

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

Form 10-Q

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended March 31, 2021

Or

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____

Commission File No. 111596

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

(Exact name of registrant as specified in its charter)

Delaware
*(State or other jurisdiction
of incorporation or organization)*

58-1954497
*(IRS Employer
Identification Number)*

8302 Dunwoody Place, Suite 250, Atlanta, GA
(Address of principal executive offices)

30350
(Zip Code)

(770) 587-9898
(Registrant's telephone number)

N/A

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol	Name of each exchange on which registered
Common Stock, \$.001 Par Value	PESI	NASDAQ Capital Markets

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the Registrant was required to submit and post such files).

Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See definition of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer ☐ Accelerated Filer ☐ Non-accelerated Filer ☒ Smaller reporting company ☒ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial standards provided pursuant to Section 13(a) of the Exchange Act ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

Indicate the number of shares outstanding of each of the issuer's classes of Common Stock, as of the close of the latest practical date.

Class	Outstanding at May 4, 2021
Common Stock, \$.001 Par Value	12,180,324 shares

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

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PART I - FINANCIAL INFORMATION **Item 1. – Financial Statements**

PERMA-FIX ENVIRONMENTAL SERVICES, INC. **Consolidated Balance Sheets**

(Amounts in Thousands, Except for Share and Per Share Amounts)	March 31, 2021 (Unaudited)	December 31, 2020 (Audited)
ASSETS		
Current assets:		
Cash	\$ 713	\$ 7,924
Accounts receivable, net of allowance for doubtful accounts of \$387 and \$404, respectively	20,121	9,659
Unbilled receivables	9,229	14,453
Inventories	593	610
Prepaid and other assets	3,810	3,967
Current assets related to discontinued operations	20	22
Total current assets	34,486	36,635
Property and equipment:		
Buildings and land	20,123	20,139
Equipment	22,118	22,090
Vehicles	454	457
Leasehold improvements	23	23
Office furniture and equipment	1,425	1,413
Construction-in-progress	1,903	1,569
Total property and equipment	46,046	45,691
Less accumulated depreciation	(28,224)	(27,908)
Net property and equipment	17,822	17,783
Property and equipment related to discontinued operations	81	81
Operating lease right-of-use assets	2,220	2,287
Intangibles and other long term assets:		
Permits	9,025	8,922
Other intangible assets - net	842	875
Finite risk sinking fund (restricted cash)	11,464	11,446
Other assets	870	890
Total assets	\$ 76,810	\$ 78,919

The accompanying notes are an integral part of these consolidated financial statements.

PERMA-FIX ENVIRONMENTAL SERVICES, INC. **Consolidated Balance Sheets, Continued**

(Amounts in Thousands, Except for Share and per Share Amounts)	March 31, 2021 (Unaudited)	December 31, 2020 (Audited)
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	\$ 15,426	\$ 15,382
Accrued expenses	7,075	6,381
Disposal/transportation accrual	1,081	1,220
Deferred revenue	3,106	4,614
Accrued closure costs - current	74	75

Current portion of long-term debt	5,196	3,595
Current portion of operating lease liabilities	241	273
Current portion of finance lease liabilities	467	525
Current liabilities related to discontinued operations	817	898
Total current liabilities	33,483	32,963
Accrued closure costs	6,378	6,290
Deferred tax liabilities	471	471
Long-term debt, less current portion	1,461	3,134
Long-term operating lease liabilities, less current portion	2,044	2,070
Long-term finance lease liabilities, less current portion	609	662
Other long-term liabilities	626	626
Long-term liabilities related to discontinued operations	296	252
Total long-term liabilities	11,885	13,505
Total liabilities	45,368	46,468
Commitments and Contingencies (Note 9)		
Stockholders' Equity:		
Preferred Stock, \$.001 par value; 2,000,000 shares authorized, no shares issued and outstanding	—	—
Common Stock, \$.001 par value; 30,000,000 shares authorized; 12,173,376 and 12,161,539 shares issued, respectively; 12,165,734 and 12,153,897 shares outstanding, respectively	12	12
Additional paid-in capital	109,055	108,931
Accumulated deficit	(75,578)	(74,455)
Accumulated other comprehensive loss	(187)	(207)
Less Common Stock in treasury, at cost; 7,642 shares	(88)	(88)
Total Perma-Fix Environmental Services, Inc. stockholders' equity	33,214	34,193
Non-controlling interest	(1,772)	(1,742)
Total stockholders' equity	31,442	32,451
Total liabilities and stockholders' equity	\$ 76,810	\$ 78,919

The accompanying notes are an integral part of these consolidated financial statements.

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
Consolidated Statements of Operations
(Unaudited)

(Amounts in Thousands, Except for Per Share Amounts)	Three Months Ended March 31,	
	2021	2020
Revenues	\$ 23,133	\$ 24,860
Cost of goods sold	20,777	20,220
Gross profit	2,356	4,640
Selling, general and administrative expenses	3,205	2,928
Research and development	150	232
Loss on disposal of property and equipment	—	31
(Loss) income from operations	(999)	1,449
Other income (expense):		
Interest income	18	56
Interest expense	(67)	(120)
Interest expense-financing fees	(8)	(68)
Other	1	5
(Loss) income from continuing operations before taxes	(1,055)	1,322
Income tax (benefit) expense	(17)	14
(Loss) income from continuing operations, net of taxes	(1,038)	1,308
Loss from discontinued operations (net of taxes of \$0)	(115)	(114)
Net (loss) income	(1,153)	1,194
Net loss attributable to non-controlling interest	(30)	(26)
Net (loss) income attributable to Perma-Fix Environmental Services, Inc. common stockholders	\$ (1,123)	\$ 1,220
Net (loss) income per common share attributable to Perma-Fix Environmental Services, Inc. stockholders - basic and diluted:		
Continuing operations	\$ (.08)	\$.11
Discontinued operations	(.01)	(.01)
Net (loss) income per common share	\$ (.09)	\$.10
Number of common shares used in computing net (loss) income per share:		
Basic	12,165	12,122

Diluted	12,165	12,346
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The accompanying notes are an integral part of these condensed consolidated financial statements.

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PERMA-FIX ENVIRONMENTAL SERVICES, INC.
Consolidated Statements of Comprehensive (Loss) Income
(Unaudited)

(Amounts in Thousands)	Three Months Ended March 31,	
	2021	2020
Net (loss) income	\$ (1,153)	\$ 1,194
Other comprehensive income (loss):		
Foreign currency translation gain (loss)	20	(79)
Total other comprehensive income (loss)	20	(79)
Comprehensive (loss) income	(1,133)	1,115
Comprehensive loss attributable to non-controlling interest	(30)	(26)
Comprehensive (loss) income attributable to Perma-Fix Environmental Services, Inc. stockholders	\$ (1,103)	\$ 1,141

The accompanying notes are an integral part of these condensed consolidated financial statements.

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PERMA-FIX ENVIRONMENTAL SERVICES, INC.
Consolidated Statement of Stockholders' Equity
(Unaudited)

(Amounts in thousands, except for share amounts)

	Common Stock		Additional Paid-In Capital	Common Stock Held In Treasury	Accumulated Other Comprehensive Loss	Non- controlling Interest in Subsidiary	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount						
Balance at December 31, 2020	12,161,539	\$ 12	\$ 108,931	\$ (88)	\$ (207)	\$ (1,742)	\$ (74,455)	\$ 32,451
Net loss	—	—	—	—	—	(30)	(1,123)	(1,153)
Foreign currency translation	—	—	—	—	20	—	—	20
Issuance of Common Stock for services	11,837	—	79	—	—	—	—	79
Stock-Based Compensation	—	—	45	—	—	—	—	45
Balance at March 31, 2021	12,173,376	\$ 12	\$ 109,055	\$ (88)	\$ (187)	\$ (1,772)	\$ (75,578)	\$ 31,442
Balance at December 31, 2019	12,123,520	\$ 12	\$ 108,457	\$ (88)	\$ (211)	\$ (1,619)	\$ (77,315)	\$ 29,236
Net Income (loss)	—	—	—	—	—	(26)	1,220	1,194
Foreign currency translation	—	—	—	—	(79)	—	—	(79)
Issuance of Common Stock upon exercise of options	3,643	—	6	—	—	—	—	6
Issuance of Common Stock for services	5,128	—	48	—	—	—	—	48
Stock-Based Compensation	—	—	44	—	—	—	—	44
Balance at March 31, 2020	12,132,291	\$ 12	\$ 108,555	\$ (88)	\$ (290)	\$ (1,645)	\$ (76,095)	\$ 30,449

The accompanying notes are an integral part of these condensed consolidated financial statements.

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PERMA-FIX ENVIRONMENTAL SERVICES, INC.
Consolidated Statements of Cash Flows
(Unaudited)

(Amounts in Thousands)	Three Months Ended March 31,	
	2021	2020
Cash flows from operating activities:		
Net (loss) income	\$ (1,153)	\$ 1,194
Less: loss from discontinued operations, net of taxes of \$0	(115)	(114)
(Loss) income from continuing operations, net of taxes	(1,038)	1,308
Adjustments to reconcile (loss) income from continuing operations to cash provided by operating activities :		
Depreciation and amortization	400	346
Interest on finance lease with purchase option	2	2
Amortization of debt issuance/debt discount costs	8	68
Deferred tax expense	—	3
Recovery of bad debt reserves	(17)	(60)
Loss on disposal of plant, property, and equipment	—	31
Issuance of common stock for services	79	48
Stock-based compensation	45	44
Changes in operating assets and liabilities of continuing operations:		

Accounts receivable	(10,445)	3,012
Unbilled receivables	5,224	(2,204)
Prepaid expenses, inventories and other assets	557	(449)
Accounts payable, accrued expenses and unearned revenue	(1,270)	1,275
Cash (used in) provided by continuing operations	(6,455)	3,424
Cash used in discontinued operations	(149)	(151)
Cash (used in) provided by operating activities	(6,604)	3,273
Cash flows from investing activities:		
Purchases of property and equipment	(361)	(896)
Proceeds from sale of plant, property, and equipment	1	1
Cash used in investing activities of continuing operations	(360)	(895)
Cash provided by investing activities of discontinued operations	—	13
Cash used in investing activities	(360)	(882)
Cash flows from financing activities:		
Repayments of revolving credit borrowings	(14,780)	(24,204)
Borrowing on revolving credit	14,780	23,883
Proceeds from issuance of common stock upon exercise of option	—	6
Principal repayments of finance lease liabilities	(114)	(101)
Principal repayments of long term debt	(109)	(418)
Cash used in financing activities	(223)	(834)
Effect of exchange rate changes on cash	(6)	(32)
(Decrease) increase in cash and finite risk sinking fund (restricted cash)	(7,193)	1,525
Cash and finite risk sinking fund (restricted cash) at beginning of period	19,370	11,697
Cash and finite risk sinking fund (restricted cash) at end of period	<u>\$ 12,177</u>	<u>\$ 13,222</u>
Supplemental disclosure:		
Interest paid	\$ 54	\$ 112
Income taxes paid	—	30
Non-cash investing and financing activities:		
Equipment purchase subject to finance lease	—	82
Equipment purchase subject to financing	29	—

The accompanying notes are an integral part of these condensed consolidated financial statements.

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
Notes to Consolidated Financial Statements

March 31, 2021
(Unaudited)

Reference is made herein to the notes to consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2020.

1. Basis of Presentation

The consolidated financial statements included herein have been prepared by the Company (which may be referred to as we, us or our), without an audit, pursuant to the rules and regulations of the Securities and Exchange Commission (“the Commission”). Certain information and note disclosures normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”) have been condensed or omitted pursuant to such rules and regulations, although the Company believes the disclosures which are made are adequate to make the information presented not misleading. Further, the consolidated financial statements reflect, in the opinion of management, all adjustments (which include only normal recurring adjustments) necessary to present fairly the financial position and results of operations as of and for the periods indicated. The results of operations for the three months ended March 31, 2021 are not necessarily indicative of results to be expected for the fiscal year ending December 31, 2021.

The Company suggests that these consolidated financial statements be read in conjunction with the consolidated financial statements and the notes thereto included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2020.

The consolidated financial statements include our accounts, those of our wholly-owned subsidiaries, and our majority-owned Polish subsidiary, Perma-Fix Medical. Additionally, the Company’s financial statements include the account of a variable interest entity (“VIE”), Perma-Fix ERRG for which we are the primary beneficiary (See “Note 13 - VIE” for a discussion of this VIE).

2. Summary of Significant Accounting Policies

Our accounting policies are as set forth in the notes to the December 31, 2020 consolidated financial statements referred to above.

Recently Adopted Accounting Standards

In December 2019, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) No. 2019-12, “Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes,” which is intended to simplify various aspects related to accounting for income taxes. ASU 2019-12 removes certain exceptions to the general principles in Topic 740 and also clarifies and amends existing guidance to improve consistent application. This guidance is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2020, with early adoption permitted. The adoption of ASU No. 2019-12 by the Company effective January 1, 2021 did not have a material impact on the Company’s financial statements.

In January 2020, the FASB issued ASU 2020-01, “Investments - Equity Securities (Topic 321), Investments - Equity Method and Joint Ventures (Topic 323), and Derivatives and Hedging (Topic 815), clarifying the Interactions between Topic 321, Topic 323, and Topic 815.” This guidance addresses accounting for the transition into and out of the equity method and provides clarification of the interaction of rules for equity securities, the equity method of accounting, and forward contracts and purchase options on certain

types of securities. This standard is effective for fiscal years and interim periods within those fiscal years beginning after December 15, 2020. Early adoption is permitted. The adoption of ASU No. 2020-01 by the Company effective January 1, 2021 did not have a material impact on the Company's financial statements.

In October 2020, the FASB issued ASU No. 2020-10, "Codification Improvements." ASU 2020-10 updates various codification topics by clarifying or improving disclosure requirements. ASU 2020-10 is effective for public entities for fiscal years beginning after December 15, 2020, with early adoption permitted. The adoption of ASU No. 2020-01 by the Company effective January 1, 2021 did not have a material impact on the Company's financial statements or disclosures.

Recently Issued Accounting Standards – Not Yet Adopted

In June 2016, the FASB issued ASU No. 2016-13, "Credit Losses (Topic 326) - Measurement of Credit Losses on Financial Instruments and subsequent amendments to the initial guidance: ASU 2018-19 "Codification Improvements to Topic 326, Financial Instruments - Credit Losses," ASU 2019-04 "Codification Improvements to Topic 326, Financial Instruments - Credit Losses, Topic 815, Derivatives and Hedging, and Topic 825, Financial Instruments," ASU 2019-05 "Financial Instruments - Credit Losses (Topic 326): Targeted Transition Relief," ASU 2019-11 "Codification Improvements to Topic 326, Financial Instruments - Credit Losses" and ASU 2020-02, "Financial Instruments—Credit Losses (Topic 326) and Leases (Topic 842)" (collectively, "Topic 326"). Topic 326 introduces an approach, based on expected losses, to estimate credit losses on certain types of financial instruments and modifies the impairment model for available-for-sale debt securities. The new approach to estimating credit losses (referred to as the current expected credit losses model) applies to most financial assets measured at amortized cost and certain other instruments, including trade and other receivables and loans. Entities are required to apply the standard's provisions as a cumulative-effect adjustment to retained earnings as of the beginning of the first reporting period in which the guidance is adopted. These ASUs are effective January 1, 2023 for the Company as a smaller reporting company. The Company is currently evaluating the impact of this ASU on its consolidated financial statements.

In August 2020, the FASB issued ASU No. 2020-06, "Debt – Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging – Contracts in Entity's Own Equity." ASU 2020-06 simplifies the accounting for convertible instruments by removing major separation models and removing certain settlement condition qualifiers for the derivatives scope exception for contracts in an entity's own equity, and simplifies the related diluted net income per share calculation for both Subtopics. ASU 2020-06 is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2023, for the Company as a smaller reporting company. Early adoption is permitted, but no earlier than fiscal years beginning after December 15, 2020, including interim periods within those fiscal years. The Company is currently evaluating the impact of this ASU on its consolidated financial statements and disclosures.

3. Revenue

Disaggregation of Revenue

In general, the Company's business segmentation is aligned according to the nature and economic characteristics of our services and provides meaningful disaggregation of each business segment's results of operations. The nature of the Company's performance obligations within our Treatment and Services Segments result in the recognition of our revenue primarily over time. The following tables present further disaggregation of our revenues by different categories for our Services and Treatment Segments:

Revenue by Contract Type (In thousands)

	Three Months Ended			Three Months Ended		
	March 31, 2021			March 31, 2020		
	Treatment	Services	Total	Treatment	Services	Total
Fixed price	\$ 7,495	\$ 2,581	\$ 10,076	\$ 9,563	\$ 1,392	\$ 10,955
Time and materials	—	13,057	13,057	—	13,905	13,905
Total	\$ 7,495	\$ 15,638	\$ 23,133	\$ 9,563	\$ 15,297	\$ 24,860

Revenue by generator (In thousands)

	Three Months Ended			Three Months Ended		
	March 31, 2021			March 31, 2020		
	Treatment	Services	Total	Treatment	Services	Total
Domestic government	\$ 4,598	\$ 12,661	\$ 17,259	\$ 7,690	\$ 13,798	\$ 21,488
Domestic commercial	2,265	590	2,855	1,873	462	2,335
Foreign government	534	2,364	2,898	—	1,014	1,014
Foreign commercial	98	23	121	—	23	23
Total	\$ 7,495	\$ 15,638	\$ 23,133	\$ 9,563	\$ 15,297	\$ 24,860

Contract Balances

The timing of revenue recognition, billings, and cash collections results in accounts receivable and unbilled receivables (contract assets). The Company's contract liabilities consist of deferred revenues which represents advance payment from customers in advance of the completion of our performance obligation.

The following table represents changes in our contract assets and contract liabilities balances:

(In thousands)	March 31, 2021	December 31, 2020	Year-to-date Change (\$)	Year-to-date Change (%)
Contract assets				
Account receivables, net of allowance	\$ 20,121	\$ 9,659	\$ 10,462	108.3%
Unbilled receivables - current	9,229	14,453	(5,224)	(36.1)%
Contract liabilities				
Deferred revenue	\$ 3,106	\$ 4,614	\$ (1,508)	(32.7)%

During the three months ended March 31, 2021 and 2020, the Company recognized revenue of \$4,311,000 and \$4,023,000, respectively, related to untreated waste that was in the Company's control as of the beginning of each respective year. Revenue recognized in each period related to performance obligations satisfied within the respective period.

Remaining Performance Obligations

The Company applies the practical expedient in paragraph 606-10-50-14 and does not disclose information about remaining performance obligations that have original expected durations of one year or less.

Within our Services Segment, there are service contracts which provide that the Company has a right to consideration from a customer in an amount that corresponds directly with the value to the customer of our performance completed to date. For those contracts, the Company has utilized the practical expedient in ASC 606-10-55-18, which allows the Company to recognize revenue in the amount for which we have the right to invoice; accordingly, the Company does not disclose the value of remaining performance obligations for those contracts.

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4. Leases

At the inception of an arrangement, the Company determines if an arrangement is, or contains, a lease based on facts and circumstances present in that arrangement. Lease classifications, recognition, and measurement are then determined at the lease commencement date.

The Company's operating lease right-of-use ("ROU") assets and operating lease liabilities represent primarily leases for office and warehouse spaces used to conduct our business. Finance leases consist primarily of processing and transport equipment used by our facilities' operations and also include a building with land for our waste treatment operations.

The components of lease cost for the Company's leases were as follows (in thousands):

	Three Months Ended March 31,	
	2021	2020
Operating Lease:		
Lease cost	\$ 111	\$ 114
Finance Leases:		
Amortization of ROU assets	59	26
Interest on lease liability	19	21
	78	47
Short-term lease rent expense	3	3
Total lease cost	\$ 192	\$ 164

The weighted average remaining lease term and the weighted average discount rate for operating and finance leases at March 31, 2021 were:

	Operating Leases	Finance Leases
Weighted average remaining lease terms (years)	7.8	3.4
Weighted average discount rate	7.8%	6.8%

The weighted average remaining lease term and the weighted average discount rate for operating and finance leases at March 31, 2020 were:

	Operating Leases	Finance Leases
Weighted average remaining lease terms (years)	8.6	1.6
Weighted average discount rate	8.0%	12.1%

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The following table reconciles the undiscounted cash flows for the operating and finance leases at March 31, 2021 to the operating and finance lease liabilities recorded on the balance sheet (in thousands):

	Operating Leases	Finance Leases
2021 (Remaining)	\$ 296	\$ 458
2022	455	271
2023	463	150
2024	395	146
2025	304	146
2025 and thereafter	1,154	18
Total undiscounted lease payments	3,067	1,189
Less: Imputed interest	(782)	(113)
Present value of lease payments	\$ 2,285	\$ 1,076
Current portion of operating lease obligations	\$ 241	\$ —
Long-term operating lease obligations, less current portion	\$ 2,044	—
Current portion of finance lease obligations	\$ —	\$ 467
Long-term finance lease obligations, less current portion	\$ —	\$ 609

Supplemental cash flow and other information related to our leases were as follows (in thousands):

	Three Months Ended March 31,	
	2021	2020
Cash paid for amounts included in the measurement of lease liabilities:		
Operating cash flow from operating leases	\$ 101	\$ 110

Operating cash flow from finance leases	\$	19	\$	21
Financing cash flow from finance leases	\$	114	\$	101
ROU assets obtained in exchange for lease obligations for:				
Finance liabilities	\$	—	\$	82
Operating liabilities	\$	—	\$	—

5. Intangible Assets

The following table summarizes information relating to the Company's definite-lived intangible assets:

		March 31, 2021			December 31, 2020		
	Weighted Average Amortization Period (Years)	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Intangibles (amount in thousands)							
Patent	12.5	\$ 746	\$ (339)	\$ 407	\$ 742	\$ (334)	\$ 408
Software	3	431	(411)	20	418	(411)	7
Customer relationships	10	3,370	(2,955)	415	3,370	(2,910)	460
Total		\$ 4,547	\$ (3,705)	\$ 842	\$ 4,530	\$ (3,655)	\$ 875

The intangible assets noted above are amortized on a straight-line basis over their useful lives with the exception of customer relationships which are being amortized using an accelerated method.

The following table summarizes the expected amortization over the next five years for our definite-lived intangible assets:

Year	Amount (In thousands)
2021 (Remaining)	162
2022	172
2023	132
2024	11
2025	11

Amortization expenses relating to the definite-lived intangible assets as discussed above were \$50,000 and \$54,000 for the three months ended March 31, 2021 and 2020, respectively.

6. Capital Stock, Stock Plans, Warrants and Stock Based Compensation

The Company has certain stock option plans under which it may award incentive stock options ("ISOs") and/or non-qualified stock options ("NQSOs") to employees, officers, outside directors, and outside consultants. No stock options were granted in the first quarter of 2021.

The Company granted a NQSO to Robert Ferguson on July 27, 2017 from the Company's 2017 Stock Option Plan ("2017 Plan") for the purchase of up to 100,000 shares of the Company's Common Stock ("Ferguson Stock Option") in connection with his work as a consultant to the Company's Test Bed Initiative ("TBI") at our Perma-Fix Northwest Richland, Inc. ("PFNWR") facility at an exercise price of \$3.65 per share, which was the fair market value of the Company's Common Stock on the date of grant. The term of the Ferguson Stock Option is seven years from the grant date. The vesting of the Ferguson Stock Option is subject to the achievement of three separate milestones by certain dates. The 10,000 options under the first milestone were exercised by Robert Ferguson in 2018. The vesting date for the second and third milestones for the purchase of up to 30,000 and 60,000 shares of the Company's Common Stock was previously extended to December 31, 2021 and December 31, 2022, respectively. The Company has not recognized compensation costs (fair value of approximately \$262,000 at March 31, 2021) for the remaining 90,000 Ferguson Stock Option under the remaining two milestones since achievement of the performance obligation under each of the two remaining milestones is uncertain at March 31, 2021. All other terms of the Ferguson Stock Option remain unchanged.

The following table summarizes stock-based compensation recognized for the three months ended March 31, 2021 and 2020 for our employee and director stock options.

Stock Options	Three Months Ended March 31,	
	2021	2020
Employee Stock Options	\$ 33,000	\$ 32,000
Director Stock Options	12,000	12,000
Total	<u>\$ 45,000</u>	<u>\$ 44,000</u>

At March 31, 2021, the Company has approximately \$229,000 of total unrecognized compensation costs related to unvested options for employee and directors. The weighted average period over which the unrecognized compensation costs are expected to be recognized is approximately 2.0 years.

The summary of the Company's total Stock Option Plans as of March 31, 2021 and March 31, 2020, and changes during the periods then ended, are presented below. The Company's Plans consist of the 2010 Stock Option Plan, the 2017 Plan and the 2003 Outside Directors Stock Plan ("2003 Plan"):

	Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value ⁽³⁾
Options outstanding January 1, 2021	658,400	\$ 3.87		

Granted	—	—	—	—
Exercised	—	—	—	—
Forfeited/expired	—	—	—	—
Options outstanding end of period ⁽¹⁾	658,400	\$ 3.87	3.2	\$ 2,279,267
Options exercisable at March 31, 2021 ⁽¹⁾	392,400	\$ 4.08	3.4	\$ 1,274,287

	Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value ⁽³⁾
Options outstanding January 1, 2020	681,300	\$ 3.84		
Granted	6,000	7.00		
Exercised	(12,000)	3.48		14,600
Forfeited/expired	(20,000)	3.45		
Options outstanding end of period ⁽²⁾	655,300	\$ 3.88	4.0	\$ 962,189
Options exercisable at March 31, 2020 ⁽²⁾	306,800	\$ 4.20	3.9	\$ 392,614

⁽¹⁾ Options with exercise prices ranging from \$2.79 to \$7.29

⁽²⁾ Options with exercise prices ranging from \$2.79 to \$8.40

⁽³⁾ The intrinsic value of a stock option is the amount by which the market value of the underlying stock exceeds the exercise price of the option.

During the three months ended March 31, 2021, the Company issued a total of 11,837 shares of its Common Stock under the 2003 Plan to its outside directors as compensation for serving on our Board of Directors (the “Board”). The Company recorded approximately \$107,000 in compensation expenses (included in selling, general and administration (“SG&A”) expenses) in connection with the issuance of shares of its Common Stock to outside directors. See “Note 16 – Subsequent Events - 2003 Plan” for a discussion of a proposed amendment to the 2003 Plan as approved by the Company’s Board of Directors (the “Board”), subject to the approval by the Company’s Stockholder at the Company’s 2021 Annual Meeting of Stockholders to be held on July 20, 2021.

In connection with a \$2,500,000 loan that the Company entered into with Mr. Robert Ferguson (the “Ferguson Loan”) on April 1, 2019, the Company issued a warrant to Mr. Ferguson for the purchase of up to 60,000 shares of our Common Stock at an exercise price of \$3.51 per share. The warrant is exercisable six months from April 1, 2019 and expires on April 1, 2024 and remains outstanding at March 31, 2021. The Ferguson Loan was paid-in-full in December 2020.

7. (Loss) Income Per Share

Basic (loss) income per share is calculated based on the weighted-average number of outstanding common shares during the applicable period. Diluted (loss) income per share is based on the weighted-average number of outstanding common shares plus the weighted-average number of potential outstanding common shares. In periods where they are anti-dilutive, such amounts are excluded from the calculations of dilutive (loss) earnings per shares. The following table reconciles the (loss) income and average share amounts used to compute both basic and diluted (loss) income per share:

	Three Months Ended (Unaudited) March 31,	
(Amounts in Thousands, Except for Per Share Amounts)	2021	2020
Net (loss) income attributable to Perma-Fix Environmental Services, Inc., common stockholders:		
(Loss) income from continuing operations, net of taxes	\$ (1,038)	\$ 1,308
Net loss attributable to non-controlling interest	(30)	(26)
(Loss) income from continuing operations attributable to Perma-Fix Environmental Services, Inc. common stockholders	(1,008)	1,334
Loss from discontinuing operations attributable to Perma-Fix Environmental Services, Inc. common stockholders	(115)	(114)
Net (loss) income attributable to Perma-Fix Environmental Services, Inc. common stockholders	\$ (1,123)	\$ 1,220
Basic (loss) income per share attributable to Perma-Fix Environmental Services, Inc. common stockholders	\$ (.09)	\$.10
Diluted (loss) income per share attributable to Perma-Fix Environmental Services, Inc. common stockholders	\$ (.09)	\$.10
Weighted average shares outstanding:		
Basic weighted average shares outstanding	12,165	12,122
Add: dilutive effect of stock options	—	201
Add: dilutive effect of warrants	—	23
Diluted weighted average shares outstanding	12,165	12,346
Potential shares excluded from above weighted average share calculations due to their anti-dilutive effect include:		
Stock options	30	14
Warrant	—	—

8. Long Term Debt

Long-term debt consists of the following:

(Amounts in Thousands)	March 31, 2021	December 31, 2020
Revolving Credit facility dated May 8, 2020, borrowings based upon eligible accounts receivable, subject to monthly borrowing base calculation, balance due on May 15, 2024. Effective interest rate for the first quarter of 2021 was 5.3%. ⁽¹⁾	\$ —	\$ —

Term Loan dated May 8, 2020, payable in equal monthly installments of principal, balance due on May 15, 2024. Effective interest rate for the first quarter of 2021 was 4.5%. ⁽¹⁾	1,290 ⁽²⁾	1,388 ⁽²⁾
Promissory Note dated April 14, 2020, balance subject to loan forgiveness. Interest accrues at annual rate of 1.0%. ⁽³⁾	5,318 ⁽⁴⁾	5,318 ⁽⁴⁾
Notes Payable to 2023 and 2025, annual interest rate of 5.6% and 9.1%.	49	23
Total debt	6,657	6,729
Less current portion of long-term debt	5,196	3,595
Long-term debt	<u>\$ 1,461</u>	<u>\$ 3,134</u>

⁽¹⁾ Our revolving credit facility is collateralized by our accounts receivable and our term loan is collateralized by our property, plant, and equipment.

⁽²⁾ Net of debt issuance costs of (\$97,000) and (\$105,000) at March 31, 2021 and December 31, 2020, respectively.

⁽³⁾ Uncollateralized note.

⁽⁴⁾ Entered into with the Company's credit facility lender under the PPP under the CARES Act (see "Paycheck Protection Program ("PPP") Loan" below for further information on this loan and its terms).

Revolving Credit and Term Loan Agreement

The Company entered into a Second Amended and Restated Revolving Credit, Term Loan and Security Agreement, dated May 8, 2020 ("Loan Agreement"), with PNC National Association ("PNC"), acting as agent and lender. The Loan Agreement provides the Company with the following credit facility with a maturity date of March 15, 2024: (a) up to \$18,000,000 revolving credit ("revolving credit") and (b) a term loan ("term loan") of approximately \$1,742,000, requiring monthly installments of \$35,547. The maximum that the Company can borrow under the revolving credit is based on a percentage of eligible receivables (as defined) at any one time reduced by outstanding standby letters of credit and borrowing reductions that our lender may impose from time to time.

Payment of annual rate of interest due on the revolving credit is at prime (3.25% at March 31, 2021) plus 2% or London InterBank Offer Rate ("LIBOR") plus 3.00% and the term loan at prime plus 2.50% or LIBOR plus 3.50%. Under the LIBOR option of interest payment, a LIBOR floor of 0.75% applies in the event that LIBOR falls below 0.75% at any point in time.

Pursuant to the Loan Agreement, the Company may terminate the Loan Agreement upon 90 days' prior written notice upon payment in full of our obligations under the Loan Agreement. The Company has agreed to pay PNC 1.0% of the total financing in the event we pay off our obligations on or before May 7, 2021 and 0.5% of the total financing if we pay off our obligations after May 7, 2021 but prior to or on May 7, 2022. No early termination fee will apply if we pay off our obligations under the New Loan Agreement after May 7, 2022.

At March 31, 2021, the borrowing availability under our revolving credit was approximately \$10,280,000, based on our eligible receivables and includes a reduction in borrowing availability of approximately \$3,026,000 from outstanding standby letters of credit.

The Company's credit facility under its Loan Agreement with PNC contains certain financial covenants, along with customary representations and warranties. A breach of any of these financial covenants, unless waived by PNC, could result in a default under our credit facility allowing our lender to immediately require the repayment of all outstanding debt under our credit facility and terminate all commitments to extend further credit. The Company met its financial covenant requirements in the first quarter of 2021. The Company's fixed charge coverage ratio ("FCCR") calculation in the first quarter of 2021 included the add-back of approximately \$5,318,000 in eligible expenses that were incurred and covered by the PPP Loan that the Company received in 2020. This add-back was permitted by an amendment to our Loan Agreement that the Company entered into with our lender in May 2021 and was applied retroactively to the second and third quarters of 2020 pursuant to the amendment (see "Note 16 – Subsequent Events – Credit Facility" for a discussion of this amendment).

Paycheck Protection Program ("PPP") Loan

On April 14, 2020, the Company entered into a promissory note under the PPP with PNC, our credit facility lender, which has a balance of approximately \$5,318,000 (the "PPP Loan") at March 31, 2021. The PPP was established under the Coronavirus Aid, Relief, and Economic Security Act ("CARES Act") and is administered by the Small Business Administration ("SBA"). The CARES Act was subsequently amended by the Paycheck Protection Program Flexibility Act of 2020 ("Flexibility Act"). The note evidencing the PPP Loan contains events of default relating to, among other things, payment defaults, breach of representations and warranties, and provisions of the promissory note.

Under the terms of the Flexibility Act, the Company can apply for and be granted forgiveness for all or a portion of the PPP Loan. Such forgiveness will be determined, subject to limitations, based on the use of loan proceeds by the Company for eligible payroll costs, mortgage interest, rent and utility costs and the maintenance of employee and compensation levels for the covered period (which is defined as a 24-week period, beginning April 14, 2020, the date in which proceeds from the PPP Loan was disbursed to the Company by PNC). On October 5, 2020, the Company applied for forgiveness on repayment of the loan balance as permitted under the program, which is subject to the review and approval of our lender and the SBA. If all or a portion of the PPP Loan is not forgiven, all or the remaining portion of the loan will be for a term of two years but can be prepaid at any time prior to maturity without any prepayment penalties. The annual interest rate on the PPP Loan is 1.0% and no payments of principal or interest are due until SBA remits the loan forgiveness amount to our lender. While the Company's PPP Loan currently has a two year maturity, the Flexibility Act permits the Company to request a five year maturity with our lender. At March 31, 2021, the Company has not received a determination on potential forgiveness on any portion of the PPP Loan balance; therefore, the Company has classified approximately \$4,786,000 of the PPP Loan balance as "Current portion of long-term debt," on its Consolidated Balance Sheets, which was based on payment of the PPP Loan starting in July 2021 (10 months from end of our covered period) in accordance with the terms of our PPP Loan agreement.

9. Commitments and Contingencies

Hazardous Waste

In connection with our waste management services, the Company processes both hazardous and non-hazardous waste, which we transport to our own, or other, facilities for destruction or disposal. As a result of disposing of hazardous substances, in the event any cleanup is required at the disposal site, the Company could be a potentially responsible party for the costs of the cleanup notwithstanding any absence of fault on our part.

Legal Matters

In the normal course of conducting our business, we are involved in various litigation. We are not a party to any litigation or governmental proceeding which our management

believes could result in any judgments or fines against us that could have a material adverse effect on our financial position, liquidity or results of future operations.

During July 2020, Tetra Tech EC, Inc. (“Tetra Tech”) filed a complaint in the United States District Court for the Northern District of California against CH2M Hill, Inc. (“CH2M”) and four subcontractors of CH2M, including the Company (“Defendants”). The complaint alleges claims for negligence, negligent misrepresentation and equitable indemnification against all defendants related to alleged damages suffered by Tetra Tech in respect of certain draft reports prepared by defendants at the request of the U.S. Navy as part of an investigation and review of certain whistleblower complaints about Tetra Tech’s environmental restoration at the Hunter’s Point Naval Shipyard in San Francisco.

CH2M was hired by the Navy in 2016 to review Tetra Tech’s work. CH2M subcontracted with environmental consulting and cleanup firms Battelle Memorial Institute, Cabrera Services, Inc., SC&A, Inc. and the Company to assist with the review, according to the complaint.

The complaint alleges that the subject draft reports were prepared negligently and in a biased manner, made public, and caused damage to Tetra Tech’s reputation; triggering related lawsuits and costing it opportunities for both government and commercial contracts.

The Company has provided notice of this lawsuit to our insurance carrier. Our insurance carrier is providing a defense on our behalf in connection with this lawsuit, subject to a \$100,000 self-insured retention and the terms and limitations contained in the insurance policy.

On January 7, 2021, Defendants’ motion to dismiss the complaint in its entirety was granted without prejudice, with leave to amend. Tetra Tech subsequently filed a First Amended Complaint (“FAC”) and Defendants filed a motion to dismiss Tetra Tech’s FAC. Tetra Tech filed an opposition to Defendant’s motion to dismiss Tetra Tech’s FAC. Defendants, subsequently filed a joint reply to Tetra Tech’s motion in opposition. A hearing on Defendants’ motion to dismiss is pending. At this time, the Company continues to believe it does not have any liability to Tetra Tech.

Insurance

The Company has a 25-year finite risk insurance policy entered into in June 2003 (“2003 Closure Policy”) with AIG Specialty Insurance Company (“AIG”), which provides financial assurance to the applicable states for our permitted facilities in the event of unforeseen closure. The 2003 Closure Policy, as amended, provides for a maximum allowable coverage of \$28,177,000 which includes available capacity to allow for annual inflation and other performance and surety bond requirements. Total coverage under the 2003 Closure Policy, as amended, was \$19,897,000 at March 31, 2021. At March 31, 2021 and December 31, 2020, finite risk sinking funds contributed by the Company related to the 2003 Closure Policy which is included in other long term assets on the accompanying Consolidated Balance Sheets totaled \$11,464,000 and \$11,446,000, respectively, which included interest earned of \$1,993,000 and \$1,975,000 on the finite risk sinking funds as of March 31, 2021 and December 31, 2020, respectively. Interest income for the three months ended March 31, 2021 and 2020 was approximately \$18,000 and \$56,000, respectively. If we so elect, AIG is obligated to pay us an amount equal to 100% of the finite risk sinking fund account balance in return for complete release of liability from both us and any applicable regulatory agency using this policy as an instrument to comply with financial assurance requirements.

Letter of Credits and Bonding Requirements

From time to time, the Company is required to post standby letters of credit and various bonds to support contractual obligations to customers and other obligations, including facility closures. At March 31, 2021, the total amount of standby letters of credit outstanding was approximately \$3,026,000 and the total amount of bonds outstanding was approximately \$42,973,000.

10. Discontinued Operations

The Company’s discontinued operations consist of all our subsidiaries included in our previous Industrial Segment which encompasses subsidiaries divested in 2011 and prior and three previously closed locations.

The Company’s discontinued operations had net losses of \$115,000 and \$114,000 for the three months ended March 31, 2021 and 2020 (net of taxes of \$0 for each period). The losses were primarily due to costs incurred in the administration and continued monitoring of our discontinued operations. The Company’s discontinued operations had no revenues for each of the periods noted above.

The following table presents the major class of assets of discontinued operations as of March 31, 2021 and December 31, 2020. No assets and liabilities were held for sale at each of the periods noted.

(Amounts in Thousands)	March 31, 2021	December 31, 2020
Current assets		
Other assets	\$ 20	\$ 22
Total current assets	20	22
Long-term assets		
Property, plant and equipment, net ⁽¹⁾	81	81
Other assets	—	—
Total long-term assets	81	81
Total assets	<u>\$ 101</u>	<u>\$ 103</u>
Current liabilities		
Accounts payable	\$ 4	\$ 4
Accrued expenses and other liabilities	154	150
Environmental liabilities	659	744
Total current liabilities	817	898
Long-term liabilities		
Closure liabilities	144	142
Environmental liabilities	152	110
Total long-term liabilities	296	252
Total liabilities	<u>\$ 1,113</u>	<u>\$ 1,150</u>

⁽¹⁾ net of accumulated depreciation of \$10,000 for each period presented.

11. Operating Segments

In accordance with ASC 280, "Segment Reporting", the Company defines an operating segment as a business activity: (1) from which we may earn revenue and incur expenses; (2) whose operating results are regularly reviewed by the chief operating decision maker ("CODM") to make decisions about resources to be allocated to the segment and assess its performance; and (3) for which discrete financial information is available.

Our reporting segments are defined as below:

TREATMENT SEGMENT, which includes:

- nuclear, low-level radioactive, mixed waste (containing both hazardous and low-level radioactive constituents), hazardous and non-hazardous waste treatment, processing and disposal services primarily through four uniquely licensed and permitted treatment and storage facilities; and
- Research & Development ("R&D") activities to identify, develop and implement innovative waste processing techniques for problematic waste streams.

SERVICES SEGMENT, which includes:

- Technical services, which include:
 - o professional radiological measurement and site survey of large government and commercial installations using advanced methods, technology and engineering;
 - o health physics services including health physicists, radiological engineers, nuclear engineers and health physics technicians support to government and private radioactive materials licensees
 - o integrated Occupational Safety and Health services including industrial hygiene ("IH") assessments; hazardous materials surveys, e.g., exposure monitoring; lead and asbestos management/abatement oversight; indoor air quality evaluations; health risk and exposure assessments; health & safety plan/program development, compliance auditing and training services; and Occupational Safety and Health Administration ("OSHA") citation assistance;
 - o global technical services providing consulting, engineering (civil, nuclear, mechanical, chemical, radiological and environmental), project management, waste management, environmental, and decontamination and decommissioning field, technical, and management personnel and services to commercial and government customers; and
 - o waste management services to commercial and governmental customers.

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- Nuclear services, which include:
 - o decontamination and decommissioning ("D&D") of government and commercial facilities impacted with radioactive material and hazardous constituents including engineering, technology applications, specialty services, logistics, transportation, processing and disposal;
 - o license termination support of radioactive material licensed and federal facilities over the entire cycle of the termination process: project management, planning, characterization, waste stream identification and delineation, remediation/demo, final status survey, compliance demonstration, reporting, transportation, disposal and emergency response.
- A company owned equipment calibration and maintenance laboratory that services, maintains, calibrates, and sources (i.e., rental) health physics, IH and customized nuclear, environmental, and occupational safety and health ("NEOSH") instrumentation.
- A company owned gamma spectroscopy laboratory for the analysis of oil and gas industry solids and liquids.

MEDICAL SEGMENT, which is currently involved on a limited basis in the R&D of the Company's medical isotope production technology, has not generated any revenue and has substantially reduced R&D costs and activities due to the need for capital to fund these activities. The Company anticipates that the Medical Segment will not resume full R&D activities until the necessary capital is obtained through its own credit facility or additional equity raise, or obtains partners willing to provide funding for its R&D.

Our reporting segments exclude our corporate headquarters and our discontinued operations (see "Note 10 – Discontinued Operations") which do not generate revenues.

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The table below presents certain financial information of our operating segments for the three months ended March 31, 2021 and 2020 (in thousands):

Segment Reporting for the Quarter Ended March 31, 2021

	Treatment	Services	Medical	Segments Total	Corporate ⁽¹⁾	Consolidated Total
Revenue from external customers	\$ 7,495	\$ 15,638	—	\$ 23,133	\$ —	\$ 23,133
Intercompany revenues	660	7	—	667	—	—
Gross profit	925	1,431	—	2,356	—	2,356
Research and development	47	13	76	136	14	150
Interest income	—	—	—	—	18	18
Interest expense	(19)	(8)	—	(27)	(40)	(67)
Interest expense-financing fees	—	—	—	—	(8)	(8)
Depreciation and amortization	310	85	—	395	5	400
Segment (loss) income before income taxes	(119)	555	(76)	360	(1,415)	(1,055)
Income tax benefit	(17)	—	—	(17)	—	(17)
Segment (loss) income	(102)	555	(76)	377	(1,415)	(1,038)
Expenditures for segment assets	357	4	—	361	—	361 ⁽²⁾

Segment Reporting for the Quarter Ended March 31, 2020

	Treatment	Services	Medical	Segments Total	Corporate ⁽¹⁾	Consolidated Total
Revenue from external customers	\$ 9,563	\$ 15,297	—	\$ 24,860	\$ —	\$ 24,860
Intercompany revenues	207	8	—	215	—	—
Gross profit	2,745	1,895	—	4,640	—	4,640
Research and development	94	66	66	226	6	232
Interest income	—	—	—	—	56	56

Interest expense	(18)	(6)	—	(24)	(96)	(120)
Interest expense-financing fees	—	—	—	—	(68)	(68)
Depreciation and amortization	264	77	—	341	5	346
Segment income (loss) before income taxes	1,547	1,318	(66)	2,799	(1,477)	1,322
Income tax expense	14	—	—	14	—	14
Segment income (loss)	1,533	1,318	(66)	2,785	(1,477)	1,308
Expenditures for segment assets	679	214	—	893	3	896(2)

(1) Amounts reflect the activity for corporate headquarters not included in the segment information.

(2) Net of financed amount of \$29,000 and \$82,000 for the three month ended March 31, 2021 and 2020, respectively.

12. Income Taxes

The Company uses an estimated annual effective tax rate, which is based on expected annual income, statutory tax rates and tax planning opportunities available in the various jurisdictions in which the Company operates, to determine its quarterly provision for income taxes.

The Company had income tax benefit of approximately \$17,000 for continuing operations for the three months ended March 31, 2021 as compared to income tax expense of approximately \$14,000 for the corresponding period of 2020. The Company's effective tax rate was approximately 1.6% and 1.0% for the three months ended March 31, 2021 and the corresponding period of 2020, respectively. The Company's tax rate for each of the periods discussed above was impacted by the Company's full valuation on its net deferred tax assets.

13. Variable Interest Entities ("VIE")

The Company and Engineering/Remediation Resources Group, Inc. ("ERRG") previously entered into an unpopulated joint venture agreement for project work bids within the Company's Services Segment with the joint venture doing business as Perma-Fix ERRG, a general partnership. The Company has a 51% partnership interest in the joint venture and ERRG has a 49% partnership interest in the joint venture.

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The Company determines whether joint ventures in which it has invested meet the criteria of a VIE at the start of each new venture and when a reconsideration event has occurred. A VIE is a legal entity that satisfies any of the following characteristics: (a) the legal entity does not have sufficient equity investment at risk; (b) the equity investors at risk as a group, lack the characteristics of a controlling financial interest; or (c) the legal entity is structured with disproportionate voting rights.

The Company consolidates a VIE if it is determined to be the primary beneficiary of the VIE. The primary beneficiary has both the power to direct the activities of the VIE that most significantly impact the entity's economic performance and the obligation to absorb losses or the right to receive benefits from the VIE that could potentially be significant to the VIE.

Based on the Company's evaluation of Perma-Fix ERRG and related agreements with Perma-Fix ERRG, the Company determined that Perma-Fix ERRG continues to be a VIE in which we are the primary beneficiary. At March 31, 2021, Perma-Fix ERRG had total assets of \$4,865,000 and total liabilities of \$4,865,000 which are all recorded as current.

14. Deferral of Employment Tax Deposits

The Flexibility Act provides employers the option to defer the payment of an employer's share of social security taxes beginning on March 27, 2020 through December 31, 2020 with 50% of the amount of social security taxes deferred to become due on December 31, 2021 with the remaining 50% due on December 31, 2022. The Company elected to defer such taxes starting in mid-April 2020. At March 31, 2021, the Company has deferred payment of approximately \$1,252,000 in its share of social security taxes, of which approximately \$626,000 is included in "Other long-term liabilities," with the remaining balance included in "Accrued expenses" within current liabilities in the Company's Consolidated Balance Sheets.

15. Executive Officer and Board of Director Compensation

Management Incentive Plans ("MIP")

On January 21, 2021, the Company's Compensation and Stock Option Committee (the "Compensation Committee") and the Board approved individual MIP for the calendar year 2021 for each Chief Executive Officer ("CEO"), Chief Financial Officer ("CFO"), Executive Vice President ("EVP") of Strategic Initiatives, EVP of Nuclear and Technical Services and EVP of Waste Treatment Operations. Each of the MIPs is effective January 1, 2021 and applicable for year 2021. Each MIP provides guidelines for the calculation of annual cash incentive-based compensation, subject to Compensation Committee oversight and modification. Each MIP awards cash compensation based on achievement of performance thresholds, with the amount of such compensation established as a percentage of the executive's 2021 annual base salary at the time of the approval of the MIP. The potential target performance compensation ranges from 5% to 150% of the base salary for the CEO (\$17,220 to \$516,600), 5% to 100% of the base salary for the CFO (\$14,000 to \$280,000), 5% to 100% of the base salary for the EVP of Strategic Initiatives (\$11,667 to \$233,336), 5% to 100% of the base salary for the EVP of Nuclear and Technical Services (\$14,000 to \$280,000) and 5% to 100% (\$12,000 to \$240,000) of the base salary for the EVP of Waste Treatment Operations. Subsequent to the approval of the MIPs for fiscal year 2021 on January 21, 2021 as described above, in February 2021, the Compensation Committee approved a cost of living adjustment of approximately 2.3% to each executive officer's base salary, effective April 1, 2021. As such, compensation payable, if any, under each of the MIPs for fiscal year 2021 as discussed above for our executives will be adjusted accordingly to reflect this cost of living adjustment.

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Board Compensation

On January 21, 2021, the Company's Compensation Committee and the Board approved the following revision to the annual compensation of each non-employee Board member and the Board Committee(s) for which the Board member serves, effective January 1, 2021.

- each director is to be paid a quarterly fee of \$11,500, compared to the previous quarterly fee of \$8,000;
- the Chairman of the Board is to be paid an additional quarterly fee of \$8,750, compared to the Chairman's previous additional quarterly fee of \$7,500;
- the Chairman of the Audit Committee is to be paid an additional quarterly fee of \$6,250, compared to the Audit Chairman's previous additional quarterly fee of \$5,500;
- the Chairman of each of the Compensation Committee, the Corporate Governance and Nominating Committee (the "Nominating Committee"), and the Strategic Advisory Committee (the "Strategic Committee") is to receive \$3,125 in additional quarterly fees. No additional quarterly fees were previously paid to the Chairman of such committees. The Chairman of the Board is not eligible to receive a quarterly fee for serving as the Chairman of any the aforementioned committees ;
- each Audit Committee member (excluding the Chairman of the Audit Committee) is to receive an additional quarterly fee of \$1,250; and

- each member of the Compensation Committee, the Nominating Committee, and the Strategic Committee is to receive a quarterly fee of \$500. Such fee is payable only if the member does not serve as the Chairman of the Audit Committee, the Nominating Committee, the Strategic Committee or as the Chairman of the Board.

Each non-employee Board member will continue to receive \$1,000 for each board meeting attendance and a \$500 fee for meeting attendance via conference call. Also, each director will continue to receive an option to purchase up to 2,400 shares of the Company's Common Stock on the date of his re-election to the Board at the Company's Annual Meeting of Stockholders, with each option having a 10-year term and becoming fully vested after six months from grant date.

Each director may continue to elect to have either 65% or 100% of such fees payable in Common Stock under the 2003 Plan, with the balance, if any, payable in cash.

See below "Note 16 – Subsequent Events - 2003 Plan" for a discussion of a proposed amendment to the 2003 Plan as approved by the Board, subject to the approval by the Company's Stockholder at the Company's 2021 Annual Meeting of Stockholders to be held on July 20, 2021.

16. Subsequent Events

Management evaluated events occurring subsequent to March 31, 2021 through May 6, 2021, the date these consolidated financial statements were available for issuance, and other than as noted below determined that no material recognizable subsequent events occurred.

Credit Facility

On May 4, 2021, the Company entered into an amendment to our Loan Agreement with our lender which provided the following, among other things:

- revised the Company's FCCR calculation requirement which allows for the add-back of approximately \$5,318,000 in eligible expenses that were incurred and covered by the PPP Loan that the Company received in 2020. The add-back is to be applied retroactively to the second and third quarters of 2020. (see "Note 8 – Long Term Debt – Paycheck Protection Program ("PPP") Loan" for a discussion of the PPP Loan); and
- a capital expenditure line of up to \$1,000,000 with advances on the line, subject to certain limitations, permitted for up to twelve months starting May 4, 2021 (the "Borrowing Period"). Only interest is payable on advances during the Borrowing Period at annual rate of prime plus 2.50% or LIBOR (with minimum floor rate of 0.75%) plus 3.50%. At the end of the Borrowing Period, the total amount advanced under the line will amortize equally based on a five-year amortization schedule with principal payment due monthly plus interest. At the maturity date of the Loan Agreement, any unpaid principal balance plus interest, if any, will become due.

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In connection with the amendment, the Company paid our lender a fee of \$15,000. All other terms of the Loan Agreement remains principally unchanged.

2003 Plan

During April 2021, the Company's Board approved, subject to the Company's Shareholder approval, a proposed amendment to the 2003 Plan that provides, among other things, the following:

- The number of shares of Common Stock available for issuance under the 2003 Plan be increased by an additional 500,000 shares;
- Each outside director be granted an option to purchase up to 10,000 shares of Common Stock on each date the director is reelected to the Board;
- Each newly-elected outside director be granted an option to purchase up to 20,000 shares of Common Stock upon initial election to the Board; and
- Changes to the vesting schedule of each option granted under the 2003 Plan to outside directors subsequent to the amendment becoming effective.

Preferred Share Rights Plan ("Rights Plan")

The Company's Rights Plan had a termination date of May 2, 2021. As previously reported, during April 2021, the Company's Board decided not to renew or extend the Rights Plan and, as a result, such Rights Plan terminated as of May 2, 2021.

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Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Forward-looking Statements

Certain statements contained within this report may be deemed "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (collectively, the "Private Securities Litigation Reform Act of 1995"). All statements in this report other than a statement of historical fact are forward-looking statements that are subject to known and unknown risks, uncertainties and other factors, which could cause actual results and performance of the Company to differ materially from such statements. The words "believe," "expect," "anticipate," "intend," "will," and similar expressions identify forward-looking statements. Forward-looking statements contained herein relate to, among other things,

- demand for our services;
- reductions in the level of government funding in future years;
- R&D activity and necessary capital of our Medical Segment;
- reducing operating costs and non-essential expenditures;
- ability to meet loan agreement covenant requirements;
- cash flow requirements;
- accounts receivable impact;
- sufficient liquidity to continue business;
- PPP Loan forgiveness;
- future results of operations and liquidity;
- effect of economic disruptions on our business;
- curtail capital expenditures;
- government funding for our services;
- may not have liquidity to repay debt if our lender accelerates payment of our borrowings;
- manner in which the applicable government will be required to spend funding to remediate various sites;
- funding operations;

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- fund capital expenditures from cash from operations and/or financing;
- impact from COVID-19;
- delays in procurement actions and contract awards;
- gradual return in waste shipments;
- fund remediation expenditures for sites from funds generated internally;
- collection of accounts receivables;
- compliance with environmental regulations;
- potential effect of being a PRP;
- potential sites for violations of environmental laws and remediation of our facilities;
- continuation of contracts with federal government;
- partial or full shutdown of any of our facilities;
- continued waste shipments delays by clients; and
- R&D costs.

While the Company believes the expectations reflected in such forward-looking statements are reasonable, it can give no assurance such expectations will prove to be correct. There are a variety of factors, which could cause future outcomes to differ materially from those described in this report, including, but not limited to:

- general economic conditions;
- contract bids, including international markets;
- material reduction in revenues;
- inability to meet PNC covenant requirements;
- inability to collect in a timely manner a material amount of receivables;
- increased competitive pressures;
- inability to maintain and obtain required permits and approvals to conduct operations;
- public not accepting our new technology;
- inability to develop new and existing technologies in the conduct of operations;
- inability to maintain and obtain closure and operating insurance requirements;
- inability to retain or renew certain required permits;
- discovery of additional contamination or expanded contamination at any of the sites or facilities leased or owned by us or our subsidiaries which would result in a material increase in remediation expenditures;
- delays at our third-party disposal site can extend collection of our receivables greater than twelve months;
- refusal of third-party disposal sites to accept our waste;
- changes in federal, state and local laws and regulations, especially environmental laws and regulations, or in interpretation of such;
- requirements to obtain permits for TSD activities or licensing requirements to handle low level radioactive materials are limited or lessened;
- potential increases in equipment, maintenance, operating or labor costs;
- management retention and development;
- financial valuation of intangible assets is substantially more/less than expected;
- the requirement to use internally generated funds for purposes not presently anticipated;
- inability to continue to be profitable on an annualized basis;
- inability of the Company to maintain the listing of its Common Stock on the NASDAQ;
- terminations of contracts with government agencies (domestic and foreign) or subcontracts involving government agencies (domestic or foreign), or reduction in amount of waste delivered to the Company under the contracts or subcontracts;
- renegotiation of contracts involving government agencies (domestic and foreign);
- federal government's inability or failure to provide necessary funding to remediate contaminated federal sites;

- disposal expense accrual could prove to be inadequate in the event the waste requires re-treatment;
- inability to raise capital on commercially reasonable terms;
- inability to increase profitable revenue;
- impact of the COVID-19;
- audit of our PPP Loan;
- new governmental regulations;
- lender refuses to waive non-compliance or revise our covenant so that we are in compliance; and
- risk factors and other factors set forth in "Special Note Regarding Forward-Looking Statements" contained in the Company's 2020 Form 10-K and the "Forward-Looking Statements" contained in the "Management's Discussion and Analysis of Financial Condition and Results of Operations" ("MD&A") of this first quarter 2021 Form 10-Q.

COVID-19 Impact

Our management team continues to proactively update our ongoing business operations and safety plans. We continue to remain focused on protecting the health and well-being of our employees and the communities in which we operate while assuring the continuity of our business operations. Similar to most of the U.S., we are beginning to relax the COVID-19-related precautions associated with ongoing operations as more staff is vaccinated and the new cases continue to decline in our locations. However, our Treatment Segment continues to see delays in waste shipments from certain customers due to continued impacts of COVID-19. We expect to see a gradual return in waste receipts from these customers in the first half of 2021. Within our Services Segment, we are realizing delays in procurement actions and contract awards resulting from the impact of COVID-19. As the situations surrounding COVID-19 continues to remain fluid, the full impact and extent of the pandemic on our financial results and liquidity cannot be estimated with any degree of certainty but appear to be subsiding towards the end of the second quarter of 2021. We are realizing pent-up demands in both segments, which have been reflected in the large increase in proposal requests throughout the first quarter of 2021 and into the second quarter of 2021.

We continue to closely monitor the impact of the COVID-19 pandemic on all aspects of our business, including our customers' payment performance. However, since a significant portion of our revenues is derived from government related contracts, we do not expect our accounts receivable collections to be materially impacted due to COVID-19.

At this time, we believe we have sufficient liquidity on hand to continue business operations during the next twelve months. At March 31, 2021, our borrowing availability under our revolving credit facility was approximately \$10,280,000 which was based on a percentage of eligible receivables and subject to certain reserves. We continue to assess the need in reducing operating costs during this volatile time, which may include curtailing capital expenditures, eliminating non-essential expenditures and implementing a hiring freeze as needed.

Overview

Revenue decreased by \$1,727,000 or 6.9% to \$23,133,000 for the three months ended March 31, 2021 from \$24,860,000 for the corresponding period of 2020. The decrease was entirely within our Treatment Segment where revenue decreased \$2,068,000 or 21.6% which was attributed primarily to lower waste volume resulting from continued delays in waste shipment from certain customers from the impact of COVID-19 as discussed above. Also, lower averaged price waste from revenue mix contributed to the decrease in

revenue within the Treatment Segment. Revenue from our Services Segment increased by approximately \$341,000 or 2.2%. Gross profit decreased \$2,284,000 or 49.2% primarily due to the decrease in revenues in the Treatment Segment. Selling, General, and Administrative ("SG&A") expenses increased \$277,000 or 9.5% for the three months ended March 31, 2021 as compared to the corresponding period of 2020.

Business Environment

Our Treatment and Services Segments' business continues to be heavily dependent on services that we provide to governmental clients, primarily as subcontractors for others who are prime contractors to government entities or directly as the prime contractor. We believe demand for our services will continue to be subject to fluctuations due to a variety of factors beyond our control, including, without limitation, the economic conditions, the manner in which the applicable government will be required to spend funding to remediate various sites, and/or the impact resulting from COVID-19 as discussed above. In addition, our governmental contracts and subcontracts relating to activities at governmental sites in the United States are generally subject to termination or renegotiation on 30 days' notice at the government's option, and our governmental contracts/task orders with the Canadian government authorities allow the authorities to terminate the contract/task orders at any time for convenience. Significant reductions in the level of governmental funding or specifically mandated levels for different programs that are important to our business could have a material adverse impact on our business, financial position, results of operations and cash flows. As previously disclosed, our Medical Segment has not generated any revenues and has substantially reduced its R&D costs and activities due to the need for capital to fund such activities. We anticipate that our Medical Segment will not resume full R&D activities until it obtains the necessary funding through obtaining its own credit facility or additional equity raise or obtaining new partners willing to fund its R&D activities. If the Medical Segment is unable to raise the necessary capital, the Medical Segment could be required to further reduce, delay or eliminate its R&D program.

We are continually reviewing methods to raise additional capital to supplement our liquidity requirements, when needed, and reducing our operating costs. We continue to aggressively bid on various contracts, including potential contracts within the international markets.

Results of Operations

The reporting of financial results and pertinent discussions are tailored to our three reportable segments: The Treatment, Services, and Medical Segments. Our Medical Segment has not generated any revenue and all costs incurred are included within R&D.

Summary – Three Months Ended March 31, 2021 and 2020

Consolidated (amounts in thousands)	2021	Three Months Ended March 31,		2020	%
		%			
Revenues	\$ 23,133	100.0	\$ 24,860	100.0	
Cost of good sold	20,777	89.8	20,220	81.3	
Gross profit	2,356	10.2	4,640	18.7	
Selling, general and administrative	3,205	13.9	2,928	11.8	
Research and development	150	.6	232	.9	
Loss on disposal of property and equipment	—	—	31	.1	
(Loss) income from operations	\$ (999)	(4.3)	\$ 1,449	5.9	
Interest income	18	—	56	.2	
Interest expense	(67)	(.2)	(120)	(.5)	
Interest expense-financing fees	(8)	—	(68)	(.3)	
Other	1	—	5	—	
(Loss) income from continuing operations before taxes	(1,055)	(4.5)	1,322	5.3	
Income tax (benefit) expense	(17)	—	14	—	
(Loss) income from continuing operations	\$ (1,038)	(4.5)	\$ 1,308	5.3	

Revenues

Consolidated revenues decreased \$1,727,000 for the three months ended March 31, 2021, compared to the three months ended March 31, 2020, as follows:

(In thousands)	2021	% Revenue	2020	% Revenue	Change	% Change
Treatment						
Government waste	\$ 4,387	18.9	\$ 7,067	28.5	\$ (2,680)	(37.9)
Hazardous/non-hazardous ⁽¹⁾	1,311	5.7	1,524	6.1	(213)	(14.0)
Other nuclear waste	1,797	7.8	972	3.9	825	84.9
Total	7,495	32.4	9,563	38.5	(2,068)	(21.6)
Services						
Nuclear services	15,080	65.2	14,835	59.7	245	1.7
Technical services	558	2.4	462	1.8	96	20.8
Total	15,638	67.6	15,297	61.5	341	2.2
Total	\$ 23,133	100.0	\$ 24,860	100.0	\$ (1,727)	(6.9)

⁽¹⁾ Includes wastes generated by government clients of \$745,000 and \$623,000 for the three month ended March 31, 2021 and the corresponding period of 2020, respectively.

Treatment Segment revenue decreased \$2,068,000 or 21.6% for the three months ended March 31, 2021 over the same period in 2020. The revenue decrease was attributed primarily to lower revenue generated from lower waste volume resulting from continued waste shipment delays from certain customers due to the continued impact of COVID-19. Within our Treatment Segment, revenue generated from other nuclear waste increased primarily due to higher waste volume generated from commercial customers. Lower averaged price waste from revenue mix also contributed to the overall decrease in revenue within the Treatment Segment. Our Services Segment revenue increased by approximately \$341,000 or 2.2%. Our Services Segment revenues are project based; as such, the scope, duration and completion of each project vary. As a result, our Services Segment revenues are subject to differences relating to timing and project value.

Cost of Goods Sold

Cost of goods sold increased \$557,000 for the quarter ended March 31, 2021, compared to the quarter ended March 31, 2020, as follows:

(In thousands)	2021	% Revenue	2020	% Revenue	Change
Treatment	\$ 6,570	87.7	\$ 6,818	71.3	\$ (248)
Services	14,207	90.8	13,402	87.6	805
Total	<u>\$ 20,777</u>	<u>89.8</u>	<u>\$ 20,220</u>	<u>81.3</u>	<u>\$ 557</u>

Cost of goods sold for the Treatment Segment decreased by approximately \$248,000 or 3.6%. Treatment Segment's variable costs decreased by approximately \$426,000 primarily in disposal, transportation, material and supplies and outside services due to lower revenue. Treatment Segment's overall fixed costs were higher by approximately \$178,000 resulting from the following: general expenses were higher by \$119,000 in various categories; salaries and payroll related expenses were higher by approximately \$54,000 primarily due to higher healthcare costs; depreciation expenses were higher by approximately \$45,000 due to more financed leases; regulatory expenses were higher by approximately \$24,000; maintenance expenses were lower by \$35,000; and travel expenses were lower by \$29,000 due to restrictions implemented from the impact of COVID-19. Services Segment cost of goods sold increased \$805,000 or 6.0% primarily due to higher revenue. The increase in cost of goods sold was primarily due to higher salaries/payroll related, travel, and outside services expenses totaling approximately \$1,095,000. The overall higher expenses were partially offset by lower material and supplies, regulatory and disposal expenses totaling approximately \$187,000 and lower general expenses of \$103,000 in various categories. Included within cost of goods sold is depreciation and amortization expense of \$394,000 and \$341,000 for the three months ended March 31, 2021, and 2020, respectively.

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Gross Profit

Gross profit for the quarter ended March 31, 2021 decreased \$2,284,000 over the corresponding period of 2020, as follows:

(In thousands)	2021	% Revenue	2020	% Revenue	Change
Treatment	\$ 925	12.3	\$ 2,745	28.7	\$ (1,820)
Services	1,431	9.2	1,895	12.4	(464)
Total	<u>\$ 2,356</u>	<u>10.2</u>	<u>\$ 4,640</u>	<u>18.7</u>	<u>\$ (2,284)</u>

Treatment Segment gross profit decreased by \$1,820,000 and gross margin decreased to 12.3% from 28.7% primarily due to lower revenue from lower waste volume and the impact of our fixed costs. Services Segment gross profit decreased by \$464,000 or 24.5% and gross margin decreased from 12.4% to 9.2%. Our overall Services Segment gross margin is impacted by our current projects which are competitively bid on and will therefore, have varying margin structures.

SG&A

SG&A expenses increased \$277,000 for the three months ended March 31, 2021, as compared to the corresponding period for 2020, as follows:

(In thousands)	2021	% Revenue	2020	% Revenue	Change
Administrative	\$ 1,372	—	\$ 1,360	—	\$ 12
Treatment	978	13.0	1,061	11.1	(83)
Services	855	5.5	507	3.3	348
Total	<u>\$ 3,205</u>	<u>13.9</u>	<u>\$ 2,928</u>	<u>11.8</u>	<u>\$ 277</u>

Administrative SG&A expenses were slightly higher primarily due to the following: director fees were higher by approximately \$59,000 resulting from one additional director and fee increases that went into effect January 1, 2021; payroll and benefit expenses were higher by approximately \$19,000 primarily due to higher healthcare costs; travel expenses were lower by approximately \$23,000 due to restrictions implemented from the impact of COVID-19; outside services expenses were lower by approximately \$41,000 resulting from fewer consulting/subcontract/legal matters; and general expenses were lower by approximately \$2,000. Treatment Segment SG&A expenses were lower due to the following: travel expenses were lower by approximately \$49,000 due to restrictions implemented from the impact of COVID-19; maintenance expenses were lower by approximately \$25,000; general expenses were lower by \$94,000 in various categories, with lower tradeshow expenses of \$38,000 due to impact of COVID-19; and salaries and payroll related expenses were higher by approximately \$85,000 due to increased hours spent on bid and proposals. The increase in SG&A expenses within our Services Segment was primarily due to the following: bad debt expenses were higher by approximately \$63,000 as in the first quarter of 2020, certain customer accounts which had previously been reserved for were collected; outside services expenses were higher by approximately \$101,000 due to more consulting matters related to bid and proposals; general expenses were slightly higher by \$12,000; salaries/payroll related expenses were higher by approximately \$185,000 primarily due to increased hours spent for bid and proposals; and travel expenses were lower by a total of approximately \$13,000. Included in SG&A expenses is depreciation and amortization expense of \$6,000 and \$5,000 for the three months ended March 31, 2021 and 2020, respectively.

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R&D

R&D expenses decreased \$82,000 for the three months ended March 31, 2021, as compared to the corresponding period for 2020, as follows:

(In thousands)	2021	2020	Change
Administrative	\$ 14	\$ 6	\$ 8
Treatment	47	94	(47)
Services	13	66	13
PF Medical	76	66	10
Total	<u>\$ 150</u>	<u>\$ 232</u>	<u>\$ (82)</u>

R&D costs consist primarily of employee salaries and benefits, laboratory costs, third party fees, and other related costs associated with the development of new technologies and technological enhancement of new potential waste treatment processes.

Interest Income

Interest income decreased by approximately \$38,000 in the first quarter of 2021 as compared to the corresponding period of 2020 primarily due to lower interest earned from

lower finite risk sinking fund.

Interest Expense

Interest expense decreased approximately \$53,000 in the first quarter of 2021 as compared to the corresponding period of 2020 primarily due to lower interest expense from our declining term loan balance outstanding and lower interest rate. Also, interest expense was lower resulting from the payoff of the \$2,500,000 loan at year end 2020 that we had previously entered into with Robert Ferguson on April 1, 2019. The overall decrease in interest expense was partially offset by interest accrued for the Paycheck Protection Program (“PPP”) Loan in the first quarter of 2021 (see “The CARES Act – PPP Loan” below for further information of the PPP Loan).

Interest Expense- Financing Fees

Interest expense-financing fees decreased by approximately \$60,000 in the first quarter of 2021 as compared to the corresponding period primarily due to debt discount/debt issuance costs that became fully amortized as financing fees at year end 2020 in connection with the issuance of our Common Stock and a purchase Warrant as consideration for us receiving the \$2,500,000 loan from Robert Ferguson dated April 1, 2019.

Liquidity and Capital Resources

Our cash flow requirements during the three months ended March 31, 2021 were primarily financed by our operations, cash on hand and credit facility availability. Subject to the impact of COVID-19 as discussed above, our cash flow requirements for the next twelve months will consist primarily of general working capital needs, scheduled principal payments on our debt obligations, remediation projects, and planned capital expenditures. We plan to fund these requirements from our operations, credit facility availability, our capital expenditure line (see “Financing Activities” below for this new capital expenditure line entered into with our lender below) and cash on hand. We continue to explore all sources of increasing our capital to supplement our liquidity requirements, when needed, and to improve our revenue and working capital. We are continually reviewing operating costs and reviewing the possibility of further reducing operating costs and non-essential expenditures to bring them in line with revenue levels, when necessary. At this time, we believe that our cash flows from operations, our available liquidity from our credit facility, our capital expenditure line and our cash on hand should be sufficient to fund our operations for the next twelve months. However, due to the uncertainty of COVID-19, which has resulted in continued delays in waste shipments from certain customers and delays in procurement actions and contract awards, there are no assurances such will be the case. As previously disclosed, our Medical Segment, which has not generated any revenues, has substantially reduced its R&D costs and activities due to the need for capital to fund such activities. We continue to seek various sources of potential funding for our Medical Segment. We anticipate that our Medical Segment will not resume full R&D activities until it obtains the necessary funding through obtaining its own credit facility or additional equity raise or obtaining new partners willing to fund its R&D activities. If the Medical Segment is unable to raise the necessary capital, the Medical Segment could be required to further reduce, delay or eliminate its R&D program.

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The following table reflects the cash flow activities during the first three months of 2021:

(In thousands)	
Cash used in operating activities of continuing operations	\$ (6,455)
Cash used in operating activities of discontinued operations	(149)
Cash used in investing activities of continuing operations	(360)
Cash used in financing activities of continuing operations	(223)
Effect of exchange rate changes in cash	(6)
Decrease in cash and finite risk sinking fund (restricted cash)	<u>\$ (7,193)</u>

At March 31, 2020, we were in a positive cash position with no revolving credit balance. At March 31, 2021, we had cash on hand of approximately \$713,000, which included account balances of our foreign subsidiaries totaling approximately \$559,000.

Operating Activities

Accounts receivable, net of allowances for doubtful accounts, totaled \$20,121,000 at March 31, 2021, an increase of \$10,462,000 from the December 31, 2020 balance of \$9,659,000. The increase was primarily due to timing of invoicing which was reflective of the decrease in our unbilled receivables and timing of our accounts receivable collection. Our contracts with our customers are subject to various payment terms and conditions; therefore, our accounts receivable are impacted by these terms and conditions and the related timing of accounts receivable collections. Additionally, contracts with our customers may sometimes result in modifications which can cause delays in collections.

Accounts payable, totaled \$15,426,000 at March 31, 2021, an increase of \$44,000 from the December 31, 2020 balance of \$15,382,000. Our accounts payable are impacted by the timing of payments as we are continually managing payment terms with our vendors to maximize our cash position throughout all segments.

We had working capital of \$1,003,000 (which included working capital of our discontinued operations) at March 31, 2021, as compared to working capital of \$3,672,000 at December 31, 2020. Our working capital was negatively impacted primarily by the additional reclass of approximately \$1,595,000 of the outstanding PPP Loan balance from long-term debt to current debt. At December 31, 2021, the current portion of the PPP Loan was approximately \$3,191,000. As previously discussed, we have applied for forgiveness on repayment of the entire PPP Loan balance which is subject to the review and approval of our lender and the Small Business Administration (“SBA”) (see “CARES Act – PPP Loan” for information on this loan). Our working capital was also impacted by the increase in accrued expenses primarily related to payroll accrual.

Investing Activities

For the three months ended March 31, 2021, our purchases of capital equipment totaled approximately \$390,000, of which \$29,000 was subject to financing, with the remaining funded from cash from operations and our credit facility. We have budgeted approximately \$2,000,000 for 2021 capital expenditures primarily for our Treatment and Services Segments to maintain operations and regulatory compliance requirements and support revenue growth. Certain of these budgeted projects may either be delayed until later years or deferred altogether. We plan to fund our capital expenditures from cash from operations and/or financing. The initiation and timing of projects are also determined by financing alternatives or funds available for such capital projects.

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Financing Activities

We entered into a Second Amended and Restated Revolving Credit, Term Loan and Security Agreement, dated May 8, 2020 (“Loan Agreement”), with PNC National Association (“PNC”), acting as agent and lender. The Loan Agreement provides the Company with the following credit facility with a maturity date of March 15, 2024: (a) up to \$18,000,000 revolving credit (“revolving credit”) and (b) a term loan (“term loan”) of approximately \$1,742,000, requiring monthly installments of \$35,547. The maximum that the Company can borrow under the revolving credit is based on a percentage of eligible receivables (as defined) at any one time reduced by outstanding standby letters of credit and borrowing reductions that our lender may impose from time to time.

Payment of annual rate of interest due on the revolving credit is at prime (3.25% at March 31, 2021) plus 2% or LIBOR plus 3.00% and the term loan at prime plus 2.50% or LIBOR plus 3.50%. Under the LIBOR option of interest payment noted above, a LIBOR floor of 0.75% will apply in the event that LIBOR falls below 0.75% at any point in time.

At March 31, 2021, the borrowing availability under our revolving credit was approximately \$10,280,000, based on our eligible receivables and includes a reduction in borrowing availability of approximately \$3,026,000 from outstanding standby letters of credit.

Our credit facility under our Loan Agreement with PNC contains certain financial covenants, along with customary representations and warranties. A breach of any of these financial covenants, unless waived by PNC, could result in a default under our credit facility allowing our lender to immediately require the repayment of all outstanding debt under our credit facility and terminate all commitments to extend further credit. We met our financial covenant requirements in the first quarter of 2021 and expects to meet our quarterly financial covenant requirements in the next twelve months. Our fixed charge coverage ratio ("FCCR") calculation in the first quarter of 2021 included the add-back of approximately \$5,318,000 in eligible expenses that were incurred and covered by the PPP Loan that we received in 2020, as permitted by an amendment to our Loan Agreement that we entered into with our lender as discussed below.

On May 4, 2021, we entered into an amendment to our Loan Agreement with our lender which provided the following, among other things:

- revised our FCCR calculation requirement which allows for the add-back of approximately \$5,318,000 in eligible expenses that were incurred and covered by the PPP Loan that we received in 2020. The add-back is to be applied retroactively to the second and third quarters of 2020. (see "The CARES Act – PPP Loan" below for a discussion of the PPP Loan); and
- a capital expenditure line of up to \$1,000,000 with advances on the line, subject to certain limitations, permitted for up to twelve months starting May 4, 2021 (the "Borrowing Period"). Only interest is payable on advances during the Borrowing Period at annual rate of prime plus 2.50% or LIBOR (with minimum floor rate of 0.75%) plus 3.50%. At the end of the Borrowing Period, the total amount advanced under the line will amortize equally based on a five-year amortization schedule with principal payment due monthly plus interest. At the maturity date of the Loan Agreement, any unpaid principal balance plus interest, if any, will become due.

In connection with the amendment, we paid our lender a fee of \$15,000. All other terms of the Loan Agreement remains principally unchanged.

The CARES Act

PPP Loan

On April 14, 2020, we entered into a promissory note under the PPP with PNC, our credit facility lender, which has a balance of approximately \$5,318,000 (the "PPP Loan") at March 31, 2021. The PPP was established under the CARES Act and was subsequently amended by the Paycheck Protection Program Flexibility Act of 2020 ("Flexibility Act"). The note evidencing the PPP Loan contains events of default relating to, among other things, payment defaults, breach of representations and warranties, and provisions of the promissory note.

Under the terms of the Flexibility Act, we can apply for and be granted forgiveness for all or a portion of the PPP Loan. Such forgiveness will be determined, subject to limitations, based on the use of loan proceeds by us for eligible payroll costs, mortgage interest, rent and utility costs and the maintenance of employee and compensation levels for the covered period (which is defined as a 24-week period, beginning April 14, 2020, the date in which proceeds from the PPP Loan was disbursed to us by PNC). On October 5, 2020, we applied for forgiveness on repayment of the loan balance as permitted under the program, which is subject to the review and approval of our lender and the SBA. If all or a portion of the PPP Loan is not forgiven, all or the remaining portion of the loan will be for a term of two years but can be prepaid at any time prior to maturity without any prepayment penalties. The annual interest rate on the PPP Loan is 1.0% and no payments of principal or interest are due until the date that the SBA remits the loan forgiveness amount to our lender. While our PPP Loan currently has a two year maturity, the Flexibility Act permits us to request a five year maturity with our lender. At March 31, 2021, we have not received a determination on potential forgiveness on any portion of the PPP Loan balance; therefore, we have classified approximately \$4,786,000 of the PPP Loan balance as "Current portion of long-term debt," on our Consolidated Balance Sheets, which was based on payment of the PPP Loan starting in July 2021 (10 months from end of our covered period) in accordance with the terms of our PPP Loan agreement.

Deferral of Employment Tax Deposits

The Flexibility Act provides employers the option to defer the payment of an employer's share of social security taxes beginning on March 27, 2020 through December 31, 2020, with 50% of the amount of social security taxes deferred to become due on December 31, 2021 with the remaining 50% due on December 31, 2022. We elected to defer such taxes starting in mid-April 2020. At March 31, 2021, we have deferred payment of approximately \$1,252,000 in our share of social security taxes, of which approximately \$626,000 is included in "Other long-term liabilities," with the remaining balance included in "Accrued expenses" within current liabilities in the Company's Consolidated Balance Sheets.

Off Balance Sheet Arrangements

From time to time, we are required to post standby letters of credit and various bonds to support contractual obligations to customers and other obligations, including facility closures. At March 31, 2021, the total amount of standby letters of credit outstanding totaled approximately \$3,026,000 and the total amount of bonds outstanding totaled approximately \$42,973,000. We also provide closure and post-closure requirements through a financial assurance policy for certain of our Treatment Segment facilities through AIG. At March 31, 2021, the closure and post-closure requirements for these facilities were approximately \$19,897,000.

Critical Accounting Policies and Estimates

There were no significant changes in our accounting policies or critical accounting estimates that are discussed in our Annual Report on Form 10-K for the year ended December 31, 2020.

Recent Accounting Pronouncements

See "Note 2 – Summary of Significant Accounting Policies" in the "Notes to Consolidated Financial Statements" for the recent accounting pronouncements that have been adopted during the quarter ended March 31, 2021, or will be adopted in future periods.

Known Trends and Uncertainties

Significant Customers. Our Treatment and Services Segments have significant relationships with the U.S and Canadian governmental authorities through contracts entered into indirectly as subcontractors for others who are prime contractors or directly as the prime contractor to government authorities. As stated previously, our governmental contracts and subcontracts relating to activities at governmental sites in the United States are generally subject to termination or renegotiation on 30 days' notice at the government's option, and our governmental contracts/task orders with the Canadian government authorities allow the authorities to terminate the contract/task orders at any time for convenience. Our inability to continue under existing material contracts that we have with the U.S government and Canadian government authorities (directly or indirectly as a subcontractor) or significant reductions in the level of governmental funding in any given year could have a material adverse impact on our operations and financial condition.

We performed services relating to waste generated by government clients (domestic and foreign (primarily Canadian)), either indirectly as a subcontractor or directly as a prime contractor to government entities, representing approximately \$20,157,000 or 87.1% of our total revenue during the three months ended March 31, 2021, as compared to \$22,502,000 or 90.5% of our total revenue during the corresponding period of 2020.

COVID-19 Impact. The extent of the impact of the COVID-19 pandemic on our business continues to be uncertain and difficult to predict, as the responses to the pandemic continue to evolve rapidly. We continue to experience delays in waste shipments from certain customers within our Treatment Segment directly related to the impact of COVID-19. However, we expect to see a gradual return in waste receipts from these customers in the first half of 2021. Within our Services Segment, we are realizing delays in procurement actions and contract awards resulting from the impact of COVID-19.

The severity of the impact the COVID-19 pandemic on our business will depend on a number of factors, including, but not limited to, the duration and severity of the pandemic, the extent and severity of the impact on our customers, the impact on governmental programs and budgets, inoculation rate of the vaccines, and how quickly and to what extent normal economic and operating conditions resume, all of which are uncertain and cannot be predicted with any accuracy or confidence at this time. Our future results of operations and liquidity could be adversely impacted from continued delays in waste shipments, delays in procurement actions and contract awards, and/or recurrence of project work shut downs as well as potential partial/full shutdown of any of our facilities due to COVID-19.

Environmental Contingencies

We are engaged in the waste management services segment of the pollution control industry. As a participant in the on-site treatment, storage and disposal market and the off-site treatment and services market, we are subject to rigorous federal, state and local regulations. These regulations mandate strict compliance and therefore are a cost and concern to us. Because of their integral role in providing quality environmental services, we make every reasonable attempt to maintain complete compliance with these regulations; however, even with a diligent commitment, we, along with many of our competitors, may be required to pay fines for violations or investigate and potentially remediate our waste management facilities.

We routinely use third party disposal companies, who ultimately destroy or secure landfill residual materials generated at our facilities or at a client's site. In the past, numerous third party disposal sites have improperly managed waste and consequently require remedial action; consequently, any party utilizing these sites may be liable for some or all of the remedial costs. Despite our aggressive compliance and auditing procedures for disposal of wastes, we could further be notified, in the future, that we are a potentially responsible party ("PRP") at a remedial action site, which could have a material adverse effect.

Our subsidiaries where remediation expenditures will be made are at three sites within our discontinued operations. While no assurances can be made that we will be able to do so, we expect to fund the expenses to remediate these sites from funds generated from operations.

At March 31, 2021, we had total accrued environmental remediation liabilities of \$811,000, a decrease of \$43,000 from the December 31, 2020 balance of \$854,000. The decrease represents primarily payments made on remediation projects for our Perma-Fix of Memphis, Inc. subsidiary. At March 31, 2021, \$659,000 of the total accrued environmental liabilities was recorded as current.

Item 3. Quantitative and Qualitative Disclosures about Market Risks

Not required for smaller reporting companies.

Item 4. Controls and Procedures

(a) *Evaluation of disclosure controls, and procedures.*

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our periodic reports filed with the Securities and Exchange Commission is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission and that such information is accumulated and communicated to our management. As of the end of the period covered by this report, we carried out an evaluation with the participation of our Principal Executive Officer and Principal Financial Officer. Based on this recent assessment, our Principal Executive Officer and Principal Financial Officer have concluded that our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended) were effective as of March 31, 2021.

(b) *Changes in internal control over financial reporting*

There was no other change in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during our most recently completed fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II – OTHER INFORMATION

Item 1. Legal Proceedings

There are no material legal proceedings pending against us and/or our subsidiaries not previously reported by us in Item 3 of our Form 10-K for the year ended December 31, 2020. Additionally, there has been no other material change in legal proceedings previously disclosed by us in our Form 10-K for the year ended December 31, 2020.

Item 1A. Risk Factors

There has been no other material change from the risk factors previously disclosed in our Form 10-K for the year ended December 31, 2020.

Item 6. Exhibits

(a) Exhibits

- 3(i) [Restated Certificate of Incorporation, as amended, of Perma-Fix Environmental Services, Inc.](#)
- 4.1 [First Amendment to Second Amended and Restated Revolving Credit, Term Loan and Security Agreement between Perma-Fix Environmental Services, Inc. and PNC Bank, National Association \(as Lender and as Agent\), dated May 4, 2021.](#)
- 10.1 [2021 Incentive Compensation Plan for Chief Executive Officer, effective January 1, 2021, as incorporated by reference from Exhibit 99.1 to the Company's Form 8-K filed on January 26, 2021.](#)
- 10.2 [2021 Incentive Compensation Plan for Chief Financial Officer, effective January 1, 2021, as incorporated by reference from Exhibit 99.2 to the Company's Form 8-K filed on January 26, 2021.](#)

- 10.3 [2021 Incentive Compensation Plan for EVP of Strategic Initiatives, effective January 1, 2021, as incorporated by reference from Exhibit 99.3 to the Company's Form 8-K filed on January 26, 2021.](#)
- 10.4 [2021 Incentive Compensation Plan for EVP of Nuclear and Technical Services, effective January 1, 2021, as incorporated by reference from Exhibit 99.4 to the Company's Form 8-K filed on January 26, 2021.](#)

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- 10.5 [2021 Incentive Compensation Plan for EVP of Waste Treatment Operations, effective January 1, 2021, as incorporated by reference from Exhibit 99.5 to the Company's Form 8-K filed on January 26, 2021.](#)
- 31.1 [Certification by Mark Duff, Chief Executive Officer of the Company pursuant to Rule 13a-14\(a\) or 15d-14\(a\).](#)
- 31.2 [Certification by Ben Naccarato, Chief Financial Officer of the Company pursuant to Rule 13a-14\(a\) or 15d-14\(a\).](#)
- 32.1 [Certification by Mark Duff, Chief Executive Officer of the Company furnished pursuant to 18 U.S.C. Section 1350.](#)
- 32.2 [Certification by Ben Naccarato, Chief Financial Officer of the Company furnished pursuant to 18 U.S.C. Section 1350.](#)
- 101.INS XBRL Instance Document*
- 101.SCH XBRL Taxonomy Extension Schema Document*
- 101.CAL XBRL Taxonomy Extension Calculation Linkbase Document*
- 101.DEF XBRL Taxonomy Extension Definition Linkbase Document*
- 101.LAB XBRL Taxonomy Extension Labels Linkbase Document*
- 101.PRE XBRL Taxonomy Extension Presentation Linkbase Document*

* Pursuant to Rule 406T of Regulation S-T, the Interactive Data File in Exhibit 101 hereto are deemed not filed or part of a registration statement or prospectus for purposes of Section 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for purpose of Section 18 of the Securities Exchange Act of 1934, as amended, and otherwise are not subject to liability under those sections.

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SIGNATURES

Pursuant to the requirements of the Securities and Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, hereunto duly authorized.

PERMA-FIX ENVIRONMENTAL SERVICES

Date: May 6, 2021

By: /s/ Mark Duff
Mark Duff
President and Chief (Principal) Executive Officer

Date: May 6, 2021

By: /s/ Ben Naccarato
Ben Naccarato
Chief (Principal) Financial Officer

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Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT "PERMA-FIX ENVIRONMENTAL SERVICES, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE NOT HAVING BEEN CANCELLED OR DISSOLVED SO FAR AS THE RECORDS OF THIS OFFICE SHOW AND IS DULY AUTHORIZED TO TRANSACT BUSINESS.

THE FOLLOWING DOCUMENTS HAVE BEEN FILED:

CERTIFICATE OF INCORPORATION, FILED THE NINETEENTH DAY OF DECEMBER, A.D. 1990, AT 9 O'CLOCK A.M.

RESTATED CERTIFICATE, FILED THE TWENTY-SIXTH DAY OF NOVEMBER, A.D. 1991, AT 10 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "NATIONAL ENVIRONMENTAL INDUSTRIES, LTD." TO "PERMA-FIX ENVIRONMENTAL SERVICES, INC.", FILED THE SEVENTEENTH DAY OF DECEMBER, A.D. 1991, AT 4:30 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE FOURTH DAY OF SEPTEMBER, A.D. 1992, AT 11:30 O'CLOCK A.M.

CERTIFICATE OF DESIGNATION, FILED THE SIXTH DAY OF FEBRUARY, A.D. 1996, AT 4 O'CLOCK P.M.



2249849 8310

SR# 20211582303

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 203121420

Date: 05-04-21

Delaware

The First State

Page 2

CERTIFICATE OF DESIGNATION, FILED THE TWENTIETH DAY OF
FEBRUARY, A.D. 1996, AT 10:45 O`CLOCK A.M.

CERTIFICATE OF DESIGNATION, FILED THE NINETEENTH DAY OF JULY,
A.D. 1996, AT 12:30 O`CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE SIXTEENTH DAY OF
DECEMBER, A.D. 1996, AT 4:30 O`CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE SIXTH DAY OF JANUARY, A.D.
1997, AT 4:30 O`CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE ELEVENTH DAY OF JUNE,
A.D. 1997, AT 11 O`CLOCK A.M.

CERTIFICATE OF DESIGNATION, FILED THE FOURTEENTH DAY OF JULY,
A.D. 1997, AT 11:15 O`CLOCK A.M.

CERTIFICATE OF DESIGNATION, FILED THE THIRTEENTH DAY OF
NOVEMBER, A.D. 1997, AT 1:30 O`CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE THIRTEENTH DAY OF
NOVEMBER, A.D. 1997, AT 1:31 O`CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE TWENTY-SIXTH DAY OF
NOVEMBER, A.D. 1997, AT 10 O`CLOCK A.M.



2249849 8310
SR# 20211582303
You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 203121420
Date: 05-04-21

Delaware

The First State

Page 3

*CERTIFICATE OF DESIGNATION, FILED THE TENTH DAY OF JULY, A.D.
1998, AT 12 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SIXTEENTH DAY OF JULY,
A.D. 1998, AT 1:30 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SIXTEENTH DAY OF JULY,
A.D. 1998, AT 1:31 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SIXTEENTH DAY OF JULY,
A.D. 1998, AT 1:32 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FIFTEENTH DAY OF JULY,
A.D. 1999, AT 12:30 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FIFTEENTH DAY OF JULY,
A.D. 1999, AT 12:31 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FIFTEENTH DAY OF JULY,
A.D. 1999, AT 12:32 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FIFTEENTH DAY OF JULY,
A.D. 1999, AT 12:33 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE TENTH DAY OF AUGUST, A.D.
1999, AT 12:30 O`CLOCK P.M.*



2249849 8310
SR# 20211582303
You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 203121420
Date: 05-04-21

Delaware

The First State

Page 4

*CERTIFICATE OF DESIGNATION, FILED THE TENTH DAY OF AUGUST, A.D.
1999, AT 12:31 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE TENTH DAY OF AUGUST, A.D.
1999, AT 12:32 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE TENTH DAY OF AUGUST, A.D.
1999, AT 12:33 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FOURTEENTH DAY OF JUNE,
A.D. 2001, AT 10 O`CLOCK A.M.*

*CERTIFICATE OF DESIGNATION, FILED THE FOURTEENTH DAY OF JUNE,
A.D. 2001, AT 10:01 O`CLOCK A.M.*

*CERTIFICATE OF AMENDMENT, FILED THE TWENTIETH DAY OF JUNE, A.D.
2002, AT 10 O`CLOCK A.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SIXTH DAY OF MAY, A.D.
2008, AT 6:44 O`CLOCK P.M.*

*CERTIFICATE OF AMENDMENT, FILED THE ELEVENTH DAY OF OCTOBER,
A.D. 2013, AT 10:05 O`CLOCK A.M.*

*CERTIFICATE OF AMENDMENT, FILED THE NINETEENTH DAY OF
SEPTEMBER, A.D. 2014, AT 12:09 O`CLOCK P.M.*



2249849 8310
SR# 20211582303
You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Jeffrey W. Bullock, Secretary of State

Authentication: 203121420
Date: 05-04-21

Delaware

The First State

Page 5

*CERTIFICATE OF CHANGE OF REGISTERED AGENT, FILED THE FOURTH DAY
OF JANUARY, A.D. 2017, AT 4:49 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SECOND DAY OF MAY, A.D.
2018, AT 8:02 O`CLOCK A.M.*

*CERTIFICATE OF DESIGNATION, FILED THE SECOND DAY OF MAY, A.D.
2018, AT 8:03 O`CLOCK A.M.*

*CERTIFICATE OF DESIGNATION, FILED THE TWENTY-SIXTH DAY OF JUNE,
A.D. 2020, AT 3:31 O`CLOCK P.M.*

*CERTIFICATE OF DESIGNATION, FILED THE THIRD DAY OF MAY, A.D.
2021, AT 5:42 O`CLOCK P.M.*

*AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID
CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE
AFORESAID CORPORATION, "PERMA-FIX ENVIRONMENTAL SERVICES, INC.".*

*AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE
BEEN FILED TO DATE.*

*AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "PERMA-FIX
ENVIRONMENTAL SERVICES, INC." WAS INCORPORATED ON THE NINETEENTH
DAY OF DECEMBER, A.D. 1990.*



2249849 8310
SR# 20211582303
You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 203121420
Date: 05-04-21

Delaware

The First State

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AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES
HAVE BEEN PAID TO DATE.



2249849 8310

SR# 20211582303

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Authentication: 203121420

Date: 05-04-21

DEPARTMENT OF REVENUE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 12/19/1990
780353079 - 7249849

CERTIFICATE OF INCORPORATION

OF

NATIONAL ENVIRONMENTAL INDUSTRIES, LTD.

I, the undersigned, in order to form a corporation for the purposes hereinafter stated, under and pursuant to the provisions of the General Corporation Law of the State of Delaware, do hereby certify as follows:

FIRST: The name of the corporation is National Environmental Industries, Ltd. (hereinafter referred to as the "Corporation").

SECOND: The registered office of the Corporation is to be located at 32 Lookerman Square, Suite L-100, City of Dover, County of Kent, State of Delaware 19901. The name of its registered agent at that address is The Prentice-Hall Corporation System, Inc.

THIRD: The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of the State of Delaware.

FOURTH: (1) The Corporation shall be authorized to issue 3,000 shares, all of which shall have no par value, all of which shall be of the same class and all of which are to be designated "Common Stock".

(2) Except as otherwise required by statute, the holders of the Common Stock of the Corporation shall possess the exclusive right to vote for the election of directors and for all other corporate purposes.

(3) Except as otherwise required by statute, the designations, and the powers, preferences and rights, and the qualifications or restrictions thereof, of any class or classes of stock or any series of any class of stock of the Corporation may be determined from time to time by resolution or resolutions of the Board of Directors.

FIFTH: The name and address of the incorporator are as follows:

Name	Address
Robert Scarboro	c/o Phillips, Nizer, Benjamin, Krim & Ballon 40 West 57th Street New York, New York 10019

SIXTH: The following provisions are inserted for the management of the business and for the conduct of the affairs of the Corporation, and for further definition, limitation and regulation of the powers of the Corporation and of its directors and stockholders:

(1) The number of directors of the Corporation shall be such as from time to time shall be fixed by, or in the manner provided in, the by-laws of the Corporation. Election of directors need not be by ballot unless the by-laws of the Corporation so provide.

(2) In furtherance and not in limitation of the powers conferred by the laws of the State of Delaware, the Board of Directors shall have power without the assent or vote of the stockholders:

(a) To make, alter, amend, change, add to or repeal the by-laws of the Corporation in any manner not inconsistent with the laws of the State of Delaware or this Certificate of Incorporation, subject to the power of the stockholders of the Corporation having voting power to alter, amend or repeal the by-laws made by the Board of Directors of the Corporation; to fix and vary the amount to be reserved for any proper purpose; to authorize and cause to be executed mortgages and liens upon all or any part of the property of the Corporation, to determine the use and disposition of any surplus or net profits; and to fix the times for the declaration and payment of dividends; and

(b) To determine from time to time whether, and to what extent, and at what times and places, and under what conditions the accounts and books of the Corporation (other than the stock ledger), or any of them, shall be open to the inspection of the stockholders.

(3) In addition to the powers and authorities hereinbefore or by statute expressly conferred upon it, the Board of Directors of the Corporation is hereby empowered to exercise all such powers and do such acts and things as may be exercised or done by the Corporation; subject, nevertheless, to the provisions of the laws of the State of Delaware, of this Certificate of Incorporation, and to the by-laws of the Corporation in effect from time to time.

SEVENTH: The corporation may, to the full extent permitted by Section 145 of the General Corporation Law of the State of Delaware, as amended from time to time, indemnify all persons whom it may indemnify pursuant thereto.

EIGHTH: Whenever a compromise or arrangement is proposed between the Corporation and its creditors or any class of them and/or between the Corporation and its stockholders or any class of them, any court of equitable jurisdiction within the State of Delaware, may, on the application in a summary way of the Corporation or of any creditor or stockholder thereof or on the application of any receiver or receivers appointed for the Corporation under the provisions of Section 291 of Title 8 of the Delaware Code or on the application of trustees in dissolution or of any receiver or receivers appointed for the Corporation under the provisions of Section 279 of Title 8 of the Delaware Code, order a meeting of the creditors or class of creditors, and/or of the stockholders or class of stockholders of the Corporation, as the case may be, to be summoned in such manner as the said court directs. If a majority in number representing three-fourths (3/4) in value of the creditors or class of creditors, and/or of the stockholders or class of stockholders of the Corporation, as the case may be, agree to any compromise or arrangement and to any reorganization of the Corporation as consequence of such compromise or arrangement, the said compromise or arrangement and the said reorganization shall, if sanctioned by the court to which the said application has been made, be binding on all the creditors or class of creditors, and/or on all the stockholders or class of stockholders, of the Corporation, as the case may be, and also on the Corporation.

NINTH: The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation in the manner now or hereafter prescribed by law, and all rights and powers conferred herein on stockholders, directors and officers are subject to this reserved power.

IN WITNESS WHEREOF, I, Robert Scarboro, the sole incorporator of National Environmental Industries, Ltd., have hereunto signed my name and affirm that the statements made herein are true under the penalties of perjury, this 17th day of December, 1990.



Robert Scarboro
c/o Phillips, Nizer, Benjamin, Krim & Ballon
40 West 57th Street
New York, New York 10019

**RESTATED CERTIFICATE OF INCORPORATION
OF
NATIONAL ENVIRONMENTAL INDUSTRIES, LTD.**

1. The present name of the corporation (hereinafter called the "Corporation") is National Environmental Industries, Ltd., and the date of filing the original certificate of incorporation of the Corporation with the Secretary of State of the State of Delaware is December 19, 1990.

2. The certificate of incorporation of the corporation is hereby amended by striking out Articles FOURTH through NINTH thereof and by substituting in lieu thereof new Articles FOURTH through NINTH as set forth in the Restated Certificate of Incorporation hereinafter provided for.

3. The provisions of the certificate of incorporation as heretofore amended and/or supplemented, and as herein amended, are hereby restated and integrated into the single instrument which is hereinafter set forth, and which is entitled Restated Certificate of Incorporation of National Environmental Industries, Ltd. without any further amendment other than the amendment certified herein and without any discrepancy between the provisions of the certificate of incorporation as heretofore amended and supplemented and the provisions of the said single instrument hereinafter set forth.

4. The amendment and restatement of the certificate of incorporation herein certified have been duly adopted by the stockholders in accordance with the provisions of Sections 228, 242 and 245 of the General Corporation Law of the State of Delaware. Prompt written notice of the adoption of the amendment and of the restatement of the certificate of incorporation herein certified has been given to those stockholders who have not consented in writing thereto, as provided in Section 228 of the General Corporation Law of the State of Delaware.

5. The certificate of incorporation of the Corporation, as amended and restated herein, shall at the effective time of this Restated Certificate of Incorporation, read as follows:

“Restated Certificate of Incorporation
of
National Environmental Industries, Ltd.

FIRST: The name of the Corporation is National Environmental Industries, Ltd.

SECOND: The address of the Corporation’s registered office in the State of Delaware is 32 Loockerman Square, Suite L-100, City of Dover, County of Dover. The name of its registered agent at such address is The Prentice-Hall Corporation System, Inc.

THIRD: The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the laws of the General Corporation Law of the State of Delaware.

FOURTH: The total number of shares of capital stock which the Corporation shall have authority to issue is Twenty-Two Million (22,000,000) shares, of which Twenty Million (20,000,000) shares shall be Common Stock, par value \$.001 per share, and Two Million (2,000,000) shares shall be Preferred, Stock, \$.001 par value per share.

The Preferred Stock may be issued from time to time in one or more series. The Board of Directors is hereby expressly authorized to provide, by resolution or resolutions duly adopted by it prior to issuance, for the creation of each such series and to fix the designation and the powers, preferences, rights, qualifications, limitations and restrictions relating to the shares of each such series. The authority of the Board of Directors with respect to each such series of Preferred Stock shall include, but not be limited to, determining the following:

(a) the designation of such series, the number of shares to constitute such series and the stated value if different from the par value thereof;

(b) whether the shares of such series shall have voting rights, in addition to any voting rights provided by law, and, if so, the terms of such voting rights, which may be general or limited;

(c) the dividends, if any, payable on such series, whether any such dividends shall be cumulative, and, if so, from what dates, the conditions and dates upon which such dividends shall be payable, and the preference or relation which such dividends shall bear to the dividends payable on any shares of stock of any other class or any other series of Preferred Stock;

(d) whether the shares of such series shall be subject to redemption by the Corporation, and, if so, the times, prices and other conditions of such redemption;

(e) the amount or amounts payable upon shares of such series upon, and the rights of the holders of such series in, the voluntary or involuntary liquidation, dissolution or winding up, or upon any distribution of the assets, of the Corporation;

(f) whether the shares of such series shall be subject to the operation of a retirement or sinking fund and, if so, the extent to and manner in which any such retirement or sinking fund shall be applied to the purchase or redemption of the shares of such series for retirement or other corporate purposes and the terms and provisions relating to the operation thereof;

(g) whether the shares of such series shall be convertible into, or exchangeable for, shares of stock of any other class or any other series of Preferred Stock or any other securities and, if so, the price or prices or the rate or rates of conversion or exchange and the method, if any, of adjusting the same, and any other terms and conditions of conversion or exchange;

(h) the limitations and restrictions, if any, to be effective while any shares of such series are outstanding upon the payment of dividends or the making of other distributions on, and upon the purchase, redemption or other acquisition by the Corporation of, the Common Stock or shares of stock of any other class or any other series of Preferred Stock;

(i) the conditions or restrictions, if any, upon the creation of indebtedness of the Corporation or upon the issue of any additional stock, including additional shares of such series or of any other series of Preferred Stock or of any other class; and

(j) any other powers, preferences and relative, participating, optional and other special rights, and any qualifications, limitations and restrictions, thereof.

The powers, preferences and relative, participating, optional and other special rights of each series of Preferred Stock, and the qualifications, limitations or restrictions thereof, if any, may differ from those of any and all other series at any time outstanding. All shares of any one series of Preferred Stock shall be identical in all respects with all other shares of such series, except that shares of any one series issued at different times may differ as to the dates from which dividends thereof shall be cumulative.

FIFTH: Unless required by law or determined by the chairman of the meeting to be advisable, the vote by stockholders on any matter, including the election of directors, need not be by written ballot.

SIXTH: The Corporation reserves the right to increase or decrease its authorized capital stock, or any class or series thereof, and to reclassify the same, and to amend, alter, change or repeal any provision contained in the Certificate of Incorporation under which the Corporation is organized or in any amendment thereto, in the manner now or hereafter prescribed by law, and all rights conferred upon stockholders in said Certificate of Incorporation or any amendment thereto are granted subject to the aforementioned reservation.

SEVENTH: The Board of Directors shall have the power at any time, and from time to time, to adopt, amend and repeal any and all By-Laws of the Corporation.

EIGHTH: All persons who the Corporation is empowered to indemnify pursuant to the provisions of Section 145 of the General Corporation Law of the State of Delaware (or any similar provision or provisions of applicable law at the time in effect), shall be indemnified by the Corporation to the full extent permitted thereby. The foregoing right of indemnification shall not be deemed to be exclusive of any other rights to which those seeking indemnification may be entitled under any by-law, agreement, vote of stockholders or disinterested directors, or otherwise. No repeal or amendment of this Article EIGHTH shall adversely affect any rights of any person pursuant to this Article EIGHTH which existed at the time of such repeal or amendment with respect to acts or omissions occurring prior to such repeal or amendment.

NINTH: No director of the Corporation shall be personally liable to the Corporation or its stockholders for any monetary damages for breaches of fiduciary duty as a director, provided that this provision shall not eliminate or limit the liability of a director (i) for any breach of the director's duty of loyalty to the Corporation or its stockholders; (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law; (iii) under Section 174 of the General Corporation Law of the State of Delaware; or (iv) for any transaction from which the director derived an improper personal benefit. No repeal or amendment of this Article NINTH shall adversely affect any rights of any person pursuant to this Article NINTH which existed at the time of such repeal or amendment with respect to acts or omissions occurring prior to such repeal or amendment."

IN WITNESS WHEREOF, we have signed this Certificate this 22 day of November, 1991.

Louis F. Antofant

President

ATTEST:

Carol A. Nix

Secretary

**CERTIFICATED OF AMENDMENT
TO THE
RESTATED CERTIFICATE OF INCORPORATION
OF
NATIONAL ENVIRONMENTAL INDUSTRIES, LTD.**

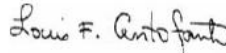
It is hereby certified that:

1. The name of the corporation (hereinafter called the "Corporation") is National Environmental Industries, Ltd.
2. The Restated Certificate of Incorporation of the Corporation is hereby amended by striking out Article FIRST thereof and by substituting in lieu of said Article FIRST the following new Article.

"FIRST: The name of the Corporation is Perma-Fix Environmental services, Inc."

3. The amendment of the Certificate of Incorporation herein certified has been duly adopted in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware. Prompt written notice of the adoption of the amendment herein certified has been given to these Stockholders who have not consented in writing thereto, as provided in Section 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, we have signed this Certificate this 16th day of December, 1991.



Louis Centofanti, President

Attest:



Mark Zwecker, Secretary

**CERTIFICATE OF AMENDMENT
TO
RESTATED CERTIFICATE OF INCORPORATION, AS AMENDED
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc., a Delaware corporation (the "Corporation"), does hereby certify:

That the amendment set forth below to the Corporation's Restated Certificate of Incorporation, as amended was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware and written notice thereof has been given as provided in Section 228 thereof:

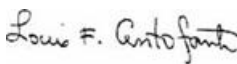
I) The first paragraph of Article FOURTH of the Corporation's Restated Certificate of Incorporation, as amended is hereby deleted and replaced in its entirety by the following:

Fourth: The total number of shares of capital stock that the Corporation shall have authority to issue is 22,000,000, shares of which 20,000,000 shares of the par value of \$.001 per share shall be designated Common Stock ("Common Stock"), and 2,000,000 shares of the par value of \$.001 per share shall be designated Preferred Stock.


As of September 4, 1992 (the "Effective Time"), each share of Common Stock issued and outstanding immediately prior to the Effective Time shall automatically be changed and converted, without any action on the part of the holder thereof, into 1/3.0236956 of a share of Common Stock and, in connection with fractional interests in shares of Common Stock of the Corporation, each holder whose aggregate holdings of shares of Common Stock prior to the Effective Time amounted to less than 3.0236955, or to a number not evenly divisible by 3.0236956 shares of Common Stock shall be entitled to receive for such fractional interest, and at such time, any such fractional interest in shares of Common Stock of the Corporation shall be converted into the right to receive, upon surrender of the stock certificates formerly representing shares of Common Stock of the Corporation, one whole share of Common Stock.

IN WITNESS whereof, Perma-Fix Environmental Services, Inc. has caused this Certificate to be signed and attested to by its duly authorized officers as of this first day of September, 1992.

Perma-Fix Environmental Services, Inc.

By: 
Dr. Louis Centofanti President

ATTEST:


By: _____
Secretary

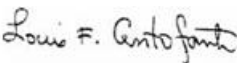
**CERTIFICATE OF DESIGNATIONS
OF SERIES I CLASS A PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, said Board of Directors, acting by unanimous written consent in lieu of a meeting dated February 2, 1996, hereby adopted the terms of the Series I Class A Preferred Stock, which resolutions are set forth on the attached page.

Dated: February 2, 1996

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By: 

Dr. Louis P. Centofanti
Chairman of the Board

ATTEST:



Mark A. Zwecker, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE SERIES I CLASS A
PREFERRED STOCK**

WHEREAS,

- A. The Corporation's share capital includes Preferred Stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series with the directors of the Corporation (the "Board") being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences, and relative, participating, optional or other special rights, privileges, restrictions and conditions attaching to the shares of each such series; and
- B. It is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series I Class A Preferred Stock, par value \$.001.

NOW, THEREFORE, BE IT RESOLVED, THAT:

The Series I Class A Preferred Stock, par value \$.001 (the "Series I Class A Preferred Stock") of the Corporation shall consist of 1,100 shares and no more and shall be designated as the Series I Class A Preferred Stock and in addition to the preferences, rights, privileges, restrictions and conditions attaching to all the Series I Class A Preferred Stock as a series, the rights, privileges, restrictions and conditions attaching to the Series I Class A Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 Except as otherwise provided herein, in the Certificate of Incorporation (the "Articles") or the General Corporation Law of the State of Delaware (the "GCL"), each holder of Series I Class A Preferred Stock, by virtue of his ownership thereof, shall be entitled to cast that number of votes per share thereof on each matter submitted to the Corporation's shareholders for voting which equals the number of votes which could be cast by such holder of the number of shares of the Corporation's Common Stock, par value \$.001 per share (the "Common Shares") into which such shares of Series I Class A Preferred Stock would be converted into pursuant to Part 5 hereof immediately prior to the record date of such vote. The outstanding Series I Class A Preferred Stock and the Common Shares of the Corporation shall vote together as a single class, except as otherwise expressly required by the GCL or Part 7 hereof. The Series I Class A Preferred Stock shall not have cumulative voting rights.

1.2 The Series I Class A Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any Series I Class A Preferred Stock shall be outstanding, the holders of the then outstanding Series I Class A Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Common Shares equal to \$1,000 consideration per outstanding share of Series I Class A Preferred Stock, together with an amount equal to all unpaid dividends accrued thereon, if any, to the date of payment of such distribution, whether or not declared by the Board: provided, however, that the merger of the Corporation with any corporation or corporations in which the Corporation is not the survivor, or the sale or transfer by the Corporation of all or substantially all of its property, or any reduction by at least seventy percent (70%) of the then issued and outstanding Common Shares of the Corporation, shall be deemed to be a liquidation of the Corporation within the meaning of any of the provisions of this Part 2.

2.2 Subject to the provisions of Part 6 hereof, all amounts to be paid as preferential distributions to the holders of Series I Class A Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of Common Shares, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

Part 3 - Dividends.

3.1 Holders of record of Series I Class A Preferred Stock, out of funds legally available therefor and to the extent permitted by law, shall be entitled to receive dividends on their Series I Class A Preferred Stock, which dividends shall accrue at the rate per share of five percent (5%) per annum of consideration paid for each share of Series I Class A Preferred Stock (\$50.00 per share per year for each full year) commencing on the date of the issuance thereof, payable, at the option of the Corporation, (i) in cash, or (ii) by the issuance of that number of whole Common Shares computed by dividing the amount of the dividend by the market price applicable to such dividend.

3.2 For the purposes of this Part 3 and Part 4 hereof, "market price" means the average of the daily closing prices of Common Shares for a period of five (5) consecutive trading days ending on the date on which any dividend becomes payable or of any notice of redemption as the case may be. The closing price for each trading day shall be (i) for any period during which the Common Shares shall be listed for trading on a national securities exchange, the last reported bid price per share of Common Shares as reported by the primary stock exchange, or the Nasdaq Stock Market, if the Common Shares are quoted on the Nasdaq Stock Market, or (ii) If last sales price information is not available, the average closing bid price of Common Shares as reported by the Nasdaq Stock Market, or if not so listed or reported, then as reported by National Quotation Bureau, Incorporated, or (iii) in the event neither clause (i) nor (ii) is applicable, the average of the closing bid and asked prices as furnished by any member of the National Association of Securities Dealers, Inc., selected from time to time by the Corporation for that purpose.

3.3 Dividends on Series I Class A Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared and set aside for payment on the Common Shares until full cumulative dividends on all outstanding Series I Class A Preferred Stock shall have been paid or declared and set aside for payment.

3.4 Dividends shall be payable in arrears, at the rate of \$12.50 per share for each full calendar quarter on each February 28, May 31, August 31, and November 30 of each calendar year, to the holders of record of the Series I Class A Preferred Stock as they appear in the securities register of the Corporation on such record dates not more than sixty (60) nor less than ten (10) days preceding the payment date thereof, as shall be fixed by the Board; provided, however, that the initial dividend for the Series I Class A Preferred Stock shall accrue for the period commencing on the date of the issuance thereof to and including December 31, 1995.

3.5 If, in any quarter, insufficient funds are available to pay such dividends as are then due and payable with respect to the Series I Class A Preferred Stock and all other classes and series of the capital stock of the Corporation ranking in parity therewith (or such payment is otherwise prohibited by provisions of the GCL, such funds as are legally available to pay such dividends shall be paid or Common Shares will be issued as stock dividends to the holders of Series I Class A Preferred Stock and to the holders of any other series of Class A Preferred Stock then outstanding as provided in Part 6 hereof, in accordance with the rights of each such holder, and the balance of accrued but undeclared and/or unpaid dividends, if any shall be declared and paid on the next succeeding dividend date to the extent that funds are then legally available for such purpose.

Part 4 - Redemption.

4.1 At any time, and from time to time, on and after one hundred twenty (120) days from the date of the issuance of any Series I Class A Preferred Stock, if the average of the closing bid prices for the Common Shares for five (5) consecutive trading days shall be in excess of \$1.50, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, the then outstanding Series I Class A Preferred Stock at a price per share of U. S. \$1,000 each (the "Redemption Price") (such price to be adjusted proportionately in the event of any change of the Series I Class A Shares into a different number of Shares).

4.2 Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series I Class A Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series I Class A Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such Shares, (ii) the number of Series I Class A Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated of a share certificate or share certificates representing the number of Series I Class A Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series I Class A Preferred Stock to be redeemed as provided in this Part 4, and the number of shares to be converted into Common Shares as provided in Part 5 hereof.

4.3 Upon receipt of the Redemption Notice, any Eligible Holder (as defined in Section 5.2 hereof) shall have the option, at its Sole election, to specify what portion of its Series I Class A Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 4 or converted into Common Shares in the manner provided in Part 5 hereof, except that, notwithstanding any provision of such Part 5 to the contrary, any Eligible Holder shall have the right to convert into Common Shares that number of Series I Class A Preferred Stock called for redemption in the Redemption Notice.

4.4 On or before the Redemption Date in respect of any Series I Class A Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.5 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series I Class A Shares which are not being redeemed to be registered in the names of the persons whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

4.5 On the Redemption Date in respect of any Series I Class A Shares or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U.S. \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series I Class A Shares in respect of which the Corporation has received notice from the Eligible Holder thereof of its election to convert Series I Class A Shares in to Common Shares), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed share shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 5 - Conversion.

5.1 For the purposes of conversion of the Series I Class A Preferred Stock shall be valued at \$1,000 per share ("Value"), and, if converted, the Series I Class A Preferred Stock shall be converted into such number of Common Shares (the "Conversion Shares") as is obtained by dividing the aggregate Value of the shares of Series I Class A Preferred Stock being so converted, together with all accrued but unpaid dividends thereon, by the "Average Stock Price" per share of the Conversion Shares (the "Conversion Price"), subject to adjustment pursuant to the provisions of this Part 5. For purposes of this Part 5, the "Average Stock Price" means the lesser of (x) seventy percent (70%) of the average daily closing bid prices of the Common Shares for the period of five (5) consecutive trading days immediately preceding the date of subscription by the Holder or (y) seventy percent (70%) of the daily average closing bid prices of Common Shares for the period of five (5) consecutive trading days immediately preceding the date of the conversion of the Series I Class A Preferred Stock in respect of which such Average Stock Price is determined. The closing price for each trading day shall be determined as provided in the last sentence of Section 3.2.

5.2 Any holder of Series I Class A Preferred Stock (an "Eligible Holder") may at any time commencing forty-five (45) days after the issuance of any Series I Class A Preferred Stock convert up to one hundred percent (100%) of his holdings of Series I Class A Preferred Stock in accordance with this Part 5.

5.3 The conversion right granted by Section 5.2 hereof may be exercised only by an Eligible Holder of Series I Class A Preferred Stock, in whole or in part, by the surrender of the share certificate or share certificates representing the Series I Class A Preferred Stock to be converted at the principal office of the Corporation (or at such other place as the Corporation may designate in a written notice sent to the holder by first class mail, postage prepaid, at its address shown on the books of the Corporation) against delivery of that number of whole Common Shares as shall be computed by dividing (I) the aggregate Value of the Series I Class A Preferred Stock so surrendered for conversion plus any accrued but unpaid dividends thereon, if any, by (2) the Conversion Price in effect at the date of the conversion. At the time of conversion of a share of the Series I Class A Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid dividends, if any, accrued thereon to the date of conversion, or at the Corporation's option, issue that number of whole Common Shares which is equal to the product of dividing the amount of such unpaid dividends by the Average Stock Price whether or not declared by the Board. Each Series I Class A Preferred Stock share certificate surrendered for conversion shall be endorsed by its holder. In the event of any exercise of the conversion right of the Series I Class A Preferred Stock granted herein (i) share certificate representing the Common Shares purchased by virtue of such exercise shall be delivered to such holder within three (3) days of notice of conversion, and (ii) unless the Series I Class A Preferred Stock has been fully converted, anew share certificate representing the Series I Class A Preferred Stock not so converted, if any, shall also be delivered to such holder within three (3) days of notice of conversion. Any Eligible Holder may exercise its right to convert the Series I Class A Preferred Stock by telecopying an executed and completed Notice of Conversion to the Corporation, and within seventy-two (72) hours thereafter, delivering the original Notice of Conversion and the certificate representing the Series I Class A Preferred Stock to the Corporation by express courier. Each date on which a Notice of Conversion is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a conversion date. The Corporation will transmit the Common Shares certificates issuable upon conversion of any Series I Class A Preferred Stock (together with the certificates representing the Series I Class A Preferred Stock not so converted) to the Eligible Holder via express courier within three (3) business days after the conversion date if the Corporation has received the original Notice of Conversion and the Series I Class A Shares certificates being so converted by such date.

5.4 All Common Shares which may be issued upon conversion of Series I Class A Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof. At all times that any Series I Class A Preferred Stock is outstanding, the Corporation shall have authorized, and shall have reserved for the purpose of issuance upon such conversion, a sufficient number of Common Shares to provide for the conversion into Common Shares of all Series I Class A Preferred Stock then outstanding at the then effective Conversion Price. Without limiting the generality of the foregoing, if, at any time, the Conversion Price is decreased, the number of Common Shares authorized and reserved for issuance upon the conversion of the Series I Class A Preferred Stock shall be proportionately increased.

5.5 The number of Common Shares issued upon conversion of Series I Class A Preferred Stock and the Conversion Price shall be subject to adjustment from time to time upon the happening of certain events, as follows:

5.5.1 Change of Designation of the Common Shares or the rights, privileges, restrictions and conditions in respect of the Common Shares or division of the Common Shares into series. In the case of any amendment to the Articles to change the designation of the Common Shares or the rights, privileges, restrictions or conditions in respect of the Common Shares or division of the Common Shares into series the rights of the holders of the Series I Class A Preferred Stock shall be adjusted so as to provide that upon conversion thereof, the holder of the Series I Class A Preferred Stock being converted shall procure, in lieu of each Common Share theretofore issuable upon such conversion, the kind and amount of shares, other securities, money and property receivable upon such designation, change or division by the holder of one Common Share issuable upon such conversion had conversion occurred immediately prior to such designation, change or division. The Series I Class A Preferred Stock shall be deemed thereafter to provide for adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 5. The provisions of this subsection 5.5.1 shall apply in the same manner to successive reclassifications, changes, consolidations, and mergers.

5.5.2 If the Corporation, at any time while any of the Series I Class A Preferred Stock is outstanding, shall amend the Articles so as to change the Common Shares into a different number of shares, the Conversion Price shall be proportionately reduced, in case of such change increasing the number of Common Shares, as of the effective date of such increase, or if the Corporation shall take a record of holders of its Common Shares for the purpose of such increase, as of such record date, whichever is earlier, or the Conversion Price shall be proportionately increased, in the case of such change decreasing the number of Common Shares, as of the effective date of such decrease or, if the Corporation shall take a record of holders of its Common Stock for the purpose of such decrease, as of such record date, whichever is earlier.

5.5.3 If the Corporation, at any time while any of the Series I Class A Preferred Stock is outstanding, shall pay a dividend payable in Common Shares (except for any dividends of Common Shares payable pursuant to Part 3 hereof), the Conversion Price shall be adjusted, as of the date the Corporation shall take a record of the holders of its Common Shares for the purposes of receiving such dividend (or if no such record is taken, as of the date of payment of such dividend), to that price determined by multiplying the Conversion Price therefor in effect by a fraction (1) the numerator of which shall be the total number of Common Shares outstanding immediately prior to such dividend, and (2) the denominator of which shall be the total number of Common Shares outstanding immediately after such dividend (plus in the event that the Corporation paid cash for fractional shares, the number of additional shares which would have been outstanding had the Corporation issued fractional shares in connection with said dividend).

5.6 Whenever the Conversion Price shall be adjusted pursuant to Section 5.5 hereof, the Corporation shall make a certificate signed by its President, or a Vice President and by its Treasurer, Assistant Treasurer, Secretary or Assistant Secretary, setting forth, in reasonable detail, the event requiring the adjustment, the amount of the adjustment, the method by which such adjustment was calculated (including a description of the basis on which the Board of Directors made any determination hereunder), and the Conversion Price after giving effect to such adjustment, and shall cause copies of such certificates to be mailed (by first class mail, postage prepaid) to each holder of the Series I Class A Preferred Stock at its address shown on the books of the Corporation. The Corporation shall make such certificate and mail it to each such holder promptly after each adjustment.

5.7 No fractional Common Shares shall be issued in connection with any conversion of Series I Class A Preferred Stock, but in lieu of such fractional shares, the Corporation shall make a cash payment therefor equal in amount to the product of the applicable fraction multiplied by the Conversion Price then in effect.

5.8 No Series I Class A Preferred Stock which has been converted into Common Shares shall be reissued by the Corporation;provided, however, that each such share shall be restored to the status of authorized but unissued Preferred Stock without designation as to series and may thereafter be issued as a series of Preferred Stock not designated as Series I Class A Preferred Stock.

Part 6 - parity with Other Shares of Class A Preferred Shares.

6.1 If any cumulative dividends or accounts payable or return of capital in respect of Series I Class A Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

Part 7 - Amendment.

7.1 In addition to any requirement for a series vote pursuant to the GCL in respect of any amendment to the Corporation's Certificate of Incorporation that adversely affects the rights, privileges, restrictions and conditions of the Series I Class A Preferred Stock, the rights, privileges, restrictions and conditions attaching to the Series I Class A Preferred Stock: may be amended by an amendment to the Corporation's Certificate of Incorporation so as to affect such adversely only if the Corporation has obtained the affirmative vote at a duly called and held series meeting of the holders of the Series I Class A Preferred Stock or written consent by the holders of a majority of the Series I Class A Preferred Stock then outstanding. Notwithstanding the above, the number of authorized shares of such class or classes of stock may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting as a single class, irrespective of this Section 7.1.

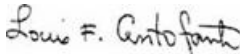
**CERTIFICATE OF DESIGNATIONS
OF SERIES 2 CLASS B CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended. And pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 2 Class B Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 2 Class B Convertible Preferred Stock as set forth in the attached resolutions.

Dated: February 16, 1996

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By 

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Mark A. Zwecker, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 2 CLASS B CONVERTIBLE PREFERRED STOCK**

WHEREAS,

- A. The Corporation’s share capital includes Preferred Stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series with the directors of the Corporation (the “Board”) being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences, and relative, participating, optional or other special rights, privileges, restrictions and conditions attaching to the shares of each such series; and
- B. It is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 2 Class B Convertible Preferred Stock, par value \$.001.

NOW, THEREFORE, BE IT RESOLVED, THAT:

The Series 2 Class B Convertible Preferred Stock, par value \$.001 (the “Series 2 Class B Preferred Stock”) of the Corporation shall consist of 2,500 shares and no more and shall be designated as the Series 2 Class B Preferred Stock and in addition to the preferences, rights, privileges, restrictions and conditions attaching to all the Series 2 Class B Preferred Stock as a series, the rights, privileges, restrictions and conditions attaching to the Series Z Class B Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 Except as otherwise provided herein, in the Corporation’s Certificate of Incorporation (the “Articles”) or the General Corporation Law of the State of Delaware (the “GCL”), each holder of Series 2 Class B Preferred Stock, by virtue of his ownership thereof, shall be entitled to cast that number of votes per share thereof on each matter submitted to the Corporation’s shareholders for voting which equals the number of votes which could be cast by such holder of the number of shares of the Corporation’s Common Stock, par value \$.001 per share (the “Common Shares”) into which such shares of Series 2 Class B Preferred Stock would be entitled to be converted into pursuant to Part 5 hereof on the record date of such vote. The outstanding Series 2 Class B Preferred Stock, the Common Shares of the Corporation and any other series of Preferred Stock of the Corporation having, voting rights shall vote together as a single class, except as otherwise expressly required by the GCL or Part 7 hereof. The Series 2 Class B Preferred Stock shall not have cumulative voting rights.

1.2 The Series 2 Class B Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any Series 2 Class B Preferred Stock shall be outstanding, the holders of the then outstanding Series 2 Class B Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Common Shares equal to \$1.000 consideration per outstanding share of Series 2 Class B Preferred Stock, together with an amount equal to all unpaid dividends accrued thereon, if any, to the date of payment of such distribution, whether or not declared by the Board; provided, however, that the merger of the Corporation with any corporation or corporations in which the Corporation is not the survivor, or the sale or transfer by the Corporation of all or substantially all of its property, or a reduction by at least seventy percent (70%) of the then issued and outstanding Common Shares of the Corporation, shall be deemed to be a liquidation of the Corporation within the meaning of any of the provisions of this Part 2.

2.2 Subject to the provisions of Part 6 hereof, all amounts to be paid as preferential distributions to the holders of Series 2 Class B Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of Common Shares, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 After the payment to the holders of the shares of the Series 2 Class B Preferred Stock of the full preferential amounts provided for in this Part 2, the holders of the Series 2 Class B Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 2 Class B Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 2 Class B Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 2 Class B Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 2 Class B Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 Holders of record of Series 2 Class B Preferred Stock, out of funds legally available therefor and to the extent permitted by law, shall be entitled to receive dividends on their Series 2 Class B Preferred Stock, which dividends shall accrue at the rate per share of five percent (5%) per annum of consideration paid for each share of Series 2 Class B Preferred Stock (\$50.00 per share per year for each full year) commencing on the date of the issuance thereof, payable, at the option of the Corporation, (i) in cash, or (ii) by the issuance of that number of whole Common Shares computed by dividing the amount of the dividend by the market price applicable to such dividend.

3.2 For the purposes of this Part 3 and Part 4 hereof, "market price" means the average of the daily closing prices of Common Shares for a period of five (5) consecutive trading days ending on the date on which any dividend becomes payable or of any notice of redemption as the case may be. The closing price for each trading day shall be (i) for any period during which the Common Shares shall be listed for trading on a national securities exchange, the last reported bid price per share of Common Shares as reported by the primary stock exchange, or the Nasdaq Stock Market, if the Common Shares are quoted on the Nasdaq Stock Market, or (ii) if last sales price information is not available, the average closing bid price of Common Shares as reported by the Nasdaq Stock Market, or if not so listed or reported, then as reported by National Quotation Bureau, Incorporated, or (iii) in the event neither clause (i) nor (ii) is applicable, the average of the Closing bid and asked prices as furnished by any member of the National Association of Securities Dealers, Inc., selected from time to time by the Corporation for that purpose.

3.3 Dividends on Series 2 Class B Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared and set aside for payment on the Common Shares until full cumulative dividends on all outstanding Series 2 Class B Preferred Stock shall have been paid or declared and set aside for payment.

3.4 Dividends shall be payable in arrears, at the rate of \$12.50 per share for each full calendar quarter on each February 28, May 31, August 31, and November 30 of each calendar year, to the holders of record of the Series 2 Class B Preferred Stock as they appear in the securities register of the Corporation on such record dates not more than sixty (60) nor less than ten (10) days preceding the payment date thereof, as shall be fixed by the Board; provided, however, that the initial dividend for the Series 2 Class B Preferred Stock shall accrue for the period commencing on the date of the issuance thereof.

3.5 If, in any quarter, insufficient funds are available to pay such dividends as are then due and payable with respect to the Series 2 Class B Preferred Stock and all other classes and series of the capital stock of the Corporation ranking in parity therewith (or such payment is otherwise prohibited by provisions of the GCL, such funds as are legally available to pay such dividends shall be paid or Common Shares will be issued as stock dividends to the holders of Series 2 Class B Preferred Stock and to the holders of any other series of Class B Preferred Stock then outstanding as provided in Part 6 hereof, in accordance with the rights of each such holder, and the balance of accrued but undeclared and/or unpaid dividends, if any, shall be declared and paid on the next succeeding dividend date to the extent that funds are then legally available for such purpose.

Part 4 - Redemption.

4.1 At any time, and from time to time, on and after one hundred twenty (120) days from the date of the issuance of any Series 2 Class B Preferred Stock, if the average of the closing bid prices for the Common Shares for five (5) consecutive trading days shall be in excess of \$1.50 per share, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, the then outstanding Series 2 Class B Preferred Stock at a price per share of U. S. \$1.000 each (the "Redemption Price") (such price to be adjusted proportionately in the event of any change of the Series 2 Class B Preferred Stock into a different number of shares of Series 2 Class B Preferred Stock).

4.2 Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series 2 Class B Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 2 Class B Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 2 Class B Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated of a share certificate or share certificates representing the number of Series 2 Class B Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 2 Class B Preferred Stock to be redeemed as provided in this Part 4, and the number of shares to be converted into Common Shares as provided in Part 5 hereof.

4.3 Upon receipt of the Redemption Notice, any Eligible Holder (as defined in Section 5.2 hereof) shall have the option, at its sole election, to specify what portion of its Series 2 Class B Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 4 or converted into Common Shares in the manner provided in Part 5 hereof, except that, notwithstanding any provision of such Part 5 to the contrary, any Eligible Holder shall have the right to convert into Common Shares that number of Series 2 Class B Preferred Stock called for redemption in the Redemption Notice.

4.4 On or before the Redemption Date in respect of any Series 2 Class B Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 4.5 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 2 Class B Preferred Stock which are not being redeemed to be registered in the names of the persons whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

4.5 On the Redemption Date in respect of any Series 2 Class B Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U. S. \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 2 Class B Preferred Stock in respect of which the Corporation has received notice from the Eligible Holder thereof of its election to convert Series 2 Class B Preferred Stock in to Common Shares), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed share shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 5 - Conversion.

5.1 For the purposes of conversion of the Series 2 Class B Preferred Stock shall be valued at \$1,000 per share ("Value"), and, if converted, the Series 2 Class B Preferred Stock shall be converted into such number of Common Shares (the "Conversion Shares") as is obtained by dividing the aggregate Value of the shares of Series 2 Class B Preferred Stock being so converted, together with all accrued but unpaid dividends thereon, by the "Average Stock Price" per share of the Conversion Shares (the "Conversion Price"), subject to adjustment pursuant to the provisions of this Part 5. For purposes of this Part 5, the "Average Stock Price" means the lesser of (x) seventy percent (70%) of the average daily closing bid prices of the Common Shares for a period of five (5) consecutive trading days immediately preceding the date of subscription by the Holder or (y) seventy percent (70%) of the average daily closing bid prices of Common Shares for the period of five (5) consecutive trading days immediately preceding the date of the conversion of the Series 2 Class B Preferred Stock in respect of which such Average Stock Price is determined. The closing price for each trading day shall be determined as provided in the last sentence of Section 3.2.

5.2 Any holder of Series 2 Class B Preferred Stock (an "Eligible Holder") may at any time commencing forty-five (45) days after the issuance of any Series 2 Class B Preferred Stock convert up to one hundred percent (100%) of his holdings of Series 2 Class B Preferred Stock in accordance with this Part 5.

5.3 The conversion right granted by Section 5.2 hereof may be exercised only by an Eligible Holder of Series 2 Class B Preferred Stock, in whole or in part, by the surrender of the share certificate or share certificates representing the Series 2 Class B Preferred Stock to be converted at the principal office of the Corporation (or at such other place as the Corporation may designate in a written notice sent to the holder by first class mail, postage prepaid, at its address shown on the books of the Corporation) against delivery of that number of whole Common Shares as shall be computed by dividing (1) the aggregate Value of the Series 2 Class B Preferred Stock so surrendered for conversion plus any accrued but unpaid dividends thereon, if any, by (2) the Conversion Price in effect at the date of the conversion. At the time of conversion of a share of the Series 2 Class B Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, issue that number of whole Common Shares which is equal to the product of dividing the amount of such unpaid dividends by the Average Stock Price whether or not declared by the Board. Each Series 2 Class B Preferred Stock share certificate surrendered for conversion shall be endorsed by its holder. In the event of any exercise of the conversion right of the Series 2 Class B Preferred Stock granted herein (i) share certificate representing the Common Shares purchased by virtue of such exercise shall be delivered to such holder within three (3) days of notice of conversion, and (ii) unless the Series 2 Class B Preferred Stock has been fully converted, a new share certificate representing the Series 2 Class B Preferred Stock not so converted, if any, shall also be delivered to such holder within three (3) days of notice of conversion. Any Eligible Holder may exercise its right to convert the Series 2 Class B Preferred Stock by telecopying an executed and completed Notice of Conversion to the Corporation, and within seventy-two (72) hours thereafter, delivering the original Notice of Conversion and the certificate representing the Series 2 Class B Preferred Stock to the Corporation by express courier. Each date on which a Notice of Conversion is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a conversion date. The Corporation will transmit the Common Shares certificates issuable upon conversion of any Series 2 Class B Preferred Stock (together with the certificates representing the Series 2 Class B Preferred Stock not so converted) to the Eligible Holder via express courier within three (3) business days after the conversion date if the Corporation has received the original Notice of Conversion and the Series 2 Class B Shares certificates being so converted by such date.

5.4 All Common Shares which may be issued upon conversion of Series 2 Class B Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof. At all times that any Series 2 Class B Preferred Stock is outstanding, the Corporation shall have authorized, and shall have reserved for the purpose of issuance upon such conversion, a sufficient number of Common Shares to provide for the conversion into Common Shares of all Series 2 Class B Preferred Stock then outstanding at the then effective Conversion Price. Without limiting the generality of the foregoing, if, at any time, the Conversion Price is decreased, the number of Common Shares authorized and reserved for issuance upon the conversion of the Series 2 Class B Preferred Stock shall be proportionately increased.

5.5 The number of Common Shares issued upon conversion of Series 2 Class B Preferred Stock and the Conversion Price shall be subject to adjustment from time to time upon the happening of certain events, as follows;

5.5.1 In the case of any amendment to the Articles to change the designation of the Common Shares or the rights, privileges, restrictions or conditions in respect of the Common Shares or division of the Common Shares into series the rights of the holders of the Series 2 Class B Preferred Stock shall be adjusted so as to provide that upon conversion thereof, the holder of the Series 2 Class B Preferred Stock being converted shall procure, in lieu of each Common Share theretofore issuable upon such conversion, the kind and amount of shares, other securities, money and property receivable upon such designation, change or division by the holder of one Common Share issuable upon such conversion had conversion occurred immediately prior to such designation, change or division. The Series 2 Class B Preferred Stock shall be deemed thereafter to provide for adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 5. The provisions of this subsection 5.5.1 shall apply in the same manner to successive reclassifications, changes, consolidations, and mergers.

5.5.2 If the Corporation, at any time while any of the Series 2 Class B Preferred Stock is outstanding, shall amend the Articles so as to change the Common Shares into a different number of shares, the Conversion Price shall be proportionately reduced, in case of such change increasing the number of Common Shares, as of the effective date of such increase, or if the Corporation shall take a record of holders of its Common Shares for the purpose of such increase, as of such record date, whichever is earlier, or the Conversion Price shall be proportionately increased, in the case of such change decreasing the number of Common Shares, as of the effective date of such decrease or, if the Corporation shall take a record of holders of its Common Stock for the purpose of such decrease, as of such record date, whichever is earlier.

5.5.3 If the Corporation, at any time while any of the Series 2 Class B Preferred Stock is outstanding, shall pay a dividend payable in Common Shares (except for any dividends of Common Shares payable pursuant to Part 3 hereof), the Conversion Price shall be adjusted, as of the date the Corporation shall take a record of the holders of its Common Shares for the purposes of receiving such dividend (or if no such record is taken, as of the date of payment of such dividend), to that price determined by multiplying the Conversion Price therefor in effect by a fraction (1) the numerator of which shall be the total number of Common Shares outstanding immediately prior to such dividend, and (2) the denominator of which shall be the total number of Common Shares outstanding immediately after such dividend (plus in the event that the Corporation paid cash for fractional shares, the number of additional shares which would have been outstanding had the Corporation issued fractional shares in connection with said dividend).

5.6 Whenever the Conversion Price shall be adjusted pursuant to Section 5.5 hereof, the Corporation shall make a certificate signed by its President, or a Vice President and by its Treasurer, Assistant Treasurer, Secretary or Assistant Secretary, setting forth, in reasonable detail, the event requiring the adjustment, the amount of the adjustment, the method by which such adjustment was calculated (including a description of the basis on which the Board of Directors made any determination hereunder), and the Conversion Price after giving effect to such adjustment, and shall cause copies of such certificates to be mailed (by first class mail, postage prepaid) to each holder of the Series 2 Class B Preferred Stock at its address shown on the books of the Corporation. The Corporation shall make such certificate and mail it to each such holder promptly after each adjustment.

5.7 No fractional Common Shares shall be issued in connection with any conversion of Series 2 Class B Preferred Stock, but in lieu of such fractional shares, the Corporation shall make a cash payment therefor equal in amount to the product of the applicable fraction multiplied by the Conversion Price then in effect.

5.8 No Series 2 Class B Preferred Stock which has been converted into Common Shares shall be reissued by the Corporation; provided, however, that each such share shall be restored to the status of authorized but unissued Preferred Stock without designation as to series and may thereafter be issued as a series of Preferred Stock not designated as Series 2 Class B Preferred Stock.

Part 6 - Parity with Other Shares of Series 2 Class B Preferred Stock and Priority.

6.1 If any cumulative dividends or accounts payable or return of capital in respect of Series 2 Class B Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

6.2.1 Prior or senior to the shares of this Series 2 Class B Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 2 Class B Preferred Stock;

6.2.2 On a parity with, or equal to, shares of this Series 2 Class B Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 2 Class B Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 2 Class B Preferred Stock; and.

6.2.3 Junior to shares of this Series 2 Class B Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Shares or if the holders of shares of this Series 2 Class B Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment.

7.1 In addition to any requirement for a series vote pursuant to the GCL in respect of any amendment to the Articles that adversely affects the rights, privileges, restrictions and conditions of the Series 2 Class B Preferred Stock, the rights, privileges, restrictions and conditions attaching to the Series 2 Class B Preferred Stock may be amended by an amendment to the Corporation's Certificate of Incorporation so as to affect such adversely only if the Corporation has obtained the affirmative vote at a duly called and held series meeting of the holders of the Series 2 Class B Preferred Stock or written consent by the holders of a majority of the Series 2 Class B Preferred Stock then outstanding. Notwithstanding the above, the number of authorized shares of such class or classes of stock may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority or the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of this Section 7.1.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 3 CLASS C CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

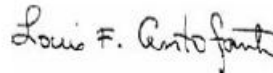
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 3 Class C Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 3 Class C Convertible Preferred Stock as set forth in the attached resolutions.

Dated: July 17, 1996

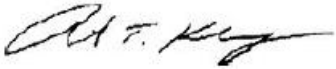
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelecy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES; INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 3 CLASS C CONVERTIBLE PREFERRED STOCK**

WHEREAS,

- A. The Corporation’s share capital includes Preferred Stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series by the Board of Directors of the Corporation (the “Board”) being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences, and relative, participating, optional or other special rights, privileges, restrictions and conditions attaching to the shares of each such series; and
- B. It is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 3 Class C Convertible Preferred Stock, par value \$.001.

NOW, THEREFORE, BE IT RESOLVED, THAT:

The Series 3 Class C Convertible Preferred Stock, par value \$.001 (the “Series 3 Class C Preferred Stock”) of the Corporation shall consist of 5,500 shares and no more and shall be designated as the Series 3 Class C Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 3 Class C Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Right.

1.1 **Voting Rights.** Except as otherwise provided herein, in the Corporation’s Certificate of Incorporation (the “Articles”) or the General Corporation Law of the State of Delaware (the “GCL”), the holders of the Series 3 Class C Preferred Stock shall have no voting rights whatsoever. To the extent that under the GCL the vote of the holders of the Series 3 Class C Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 3 Class C Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 3 Class C Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL the holders of the Series 3 Class C Preferred Stock are entitled to vote on a matter with holders of Corporation’s Common Stock and/or any other class or series of the Corporation’s voting securities, the Series 3 Class C Preferred Stock, the Corporation’s Common Stock and all other classes or series of the Corporation’s voting securities shall vote together as one class, with each share of Series 3 Class C Preferred Stock entitled to a number of votes equal to the number of shares of the Corporation’s Common Stock into which it is then convertible using the record date for the taking of such vote of stockholders as the date as of which the Conversion Price (as defined in Section 4.2 hereof) is calculated and conversion is effected. Holders of the Series 3 Class C Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation’s bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 3 Class C Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 3 Class C Preferred Stock shall be outstanding, the holders of the then outstanding Series 3 Class C Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 3 Class C Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preference.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 3 Class C Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After payment.** After the payment to the holders of the shares of the Series 3 Class C Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 3 Class C Preferred Stock as such shall have no right OR claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 3 Class C Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 3 Class C Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 3 Class C Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 3 Class C Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 3 Class C Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), at the Corporation's election, at the rate of six percent (6%) per annum of the Liquidation Value of the Series 3 Class C Preferred Stock. The Liquidation Value of the Series 3 Class C Preferred Stock shall be \$1,000.00 per share (the "Dividend Rate"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1996 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 3 Class C Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of issuance of the Series 3 Class C Preferred Stock. In the event that the Corporation elects to pay dividends in Common Stock of the Corporation, each holder of the Series 3 Class C Preferred Stock shall receive shares of Common Stock of the Corporation equal to the quotient of (i) the Dividend Rate in effect on the applicable Dividend Declaration Date divided by (ii) the average of the closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"). Dividends on the Series 3 Class C Preferred Stock shall be cumulative, and no dividend or other distributions shall be paid or declared or set aside for payment on the Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 3 Class C Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 3 Class C Preferred Stock shall have rights to convert the shares of Series 3 Class C Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 3 Class C Preferred Stock shall be convertible into shares of Common Stock, as follows:

- 4.1.1 Up to one thousand eight hundred thirty-three (1,833) shares of Series 3 Class C Preferred Stock may be converted at the Conversion Price (as that term is defined in Section 4.2 below) at any time on or after October 1, 1996;

4.1.2 Up to one thousand eight hundred thirty-three (1,833) shares of Series 3 Class C Preferred Stock may be converted at the Conversion Price at any time on or after November 1, 1996; and,

4.1.3 Up to one thousand eight hundred thirty-four (1,854) shares of Series 3 Class C Preferred Stock may be converted at the Conversion Price on or after December 1, 1996.

4.2 Conversion Price. As used herein, the term Conversion Price shall be the product of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by (ii) seventy-five percent (75%). Notwithstanding the foregoing, the Conversion Price shall not be (i) less than a minimum of \$.75 per share ("Minimum Conversion Price") or (ii) more than a maximum of \$1.50 per share ("Maximum Conversion Price"). If, after July 1, 1996, the Corporation sustains a net loss, on a consolidated basis, in each of two (2) consecutive quarters, as determined under generally accepted accounting principles, the Minimum Conversion Price shall be reduced \$.25 a share, but there shall be no change to, or reduction of, the Maximum Conversion Price. For the purpose of determining whether the Corporation has had a net loss in each of two (2) consecutive quarters, at no time shall a quarter that has already been considered in such determination be considered in any subsequent determination (as an example the third quarter of 1996 in which there is a net profit and the fourth quarter of 1996 in which there is a net loss shall be considered as two consecutive quarters, and, as a result, the fourth quarter of 1996 shall not be considered along with the first quarter of 1997 as two (2) consecutive quarters, but the first quarter of 1997 must be considered with the second quarter of 1997 for the purposes of such determination). For the purposes of this Section 4.2, a "quarter" is a three (3) month period ending on March 31, June 30, September 30, and December 31. If any of the outstanding shares of Series 3 Class C Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 3 Class C Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect at the date of the conversion. At the time of conversion of shares of the Series 3 Class C Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the product of dividing the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 3 Class C Preferred Stock so converted by the Conversion Price in effect at the date of conversion.

4.3 Mechanics of Conversion. Any holder of the Series 3 Class C Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 3 Class C Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. No Conversion Notice with respect to any shares of Series 3 Class C Preferred Stock can be given prior to the time such shares of Series 3 Class C Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 3 Class C Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 3 Class C Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 3 Class C Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Note) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion within five (5) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3, the Corporation shall pay to the holder U.S. \$1,000 for each day that the Corporation is late in delivering such certificate to the holder or its agent.

4.4 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Series 3 Class C Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate. If the Corporation shall declare or pay, without consideration, any dividend on the Common Stock payable in any right to acquire Common stock for no consideration, then the Corporation shall be deemed to have made a dividend payable in Common Stock in an amount of shares equal to the maximum number of shares issuable upon exercise of such rights to acquire Common Stock.

4.5. Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Series 3 Class C Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 3 Class C Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 3 Class C Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 3 Class C Preferred Stock immediately before that change.

4.6 Common Stock Duly Issued. All Common Stock which may be issued upon conversion of Series 3 Class C Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.7 Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 3 Class C Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.8 Issue Taxes. The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 3 Class C Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 3 Class C Preferred Stock in connection with such conversion.

4.9 Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 3 Class C Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 3 Class C Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 3 Class C Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.10 **Fractional Shares.** No fractional share shall be issued upon the conversion of any share or shares of Series 3 Class C Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 3 Class C Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If after the aforementioned aggregation, the conversion would result in the Issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share,

4.11 **Notice.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 3 Class C Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.12 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or permitted to close.

Part 5 - Redemption.

5.1 **Redemption During First 180 Days.** At any time, and from time to time, during the first one hundred eighty (180) days from the date of issuance of the Series 3 Class C Preferred Stock, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, the then outstanding Series 3 Class C Preferred Stock at a price per share of U. S. \$1,300.00 each (“First Six Months Redemption Price”). The Company may exercise such redemption by giving the holder of the Series 3 Class C Preferred Stock written notice of such redemption at any time during such 180-day period.

5.2 **Other Rights of Redemption by the Corporation** At any time, and from time to time, after one hundred eighty (180) days from the date of the issuance of any Series 3 Class C Preferred Stock, if the average of the closing bid price of the Common Stock for ten (10) consecutive days shall be in excess of \$2.50 per share, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, the then outstanding Series 3 Class C Preferred Stock at a price per share of U.S. \$1,000 each (the “Redemption Price”) (such price to be adjusted proportionately in the event of any change of the Series 3 Class C Preferred Stock into a different number of shares of Series 3 Class C Preferred Stock).

5.3 **Mechanics of Redemption.** Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series 3 Class C Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 3 Class C Preferred Stock. The Redemption Notice shall state; (i) the Redemption Date of such shares, (ii) the number of Series 3 Class C Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 3 Class C Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 3 Class C Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first one hundred eighty (180) days from the date of issuance of the Series 3 Class C Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.4 Rights of Conversion Upon Redemption. If the redemption occurs pursuant to Section 5.1 hereof, the Holder of the Series 3 Class C Preferred Stock shall not have the right to convert those outstanding shares of Series 3 Class C Preferred Stock that the Company is redeeming after receipt of the Redemption Notice. If the redemption occurs pursuant to Section 5.2 hereof, then, upon receipt of the Redemption Notice, any holder of Series 3 Class C Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 3 Class C Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, such holder shall have the right to convert into Common Stock that number of Series 3 Class C Preferred Stock called for redemption in the Redemption Notice.

5.5 Surrender of Certificates. On or before the Redemption Date in respect of any Series 3 Class C Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.5 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 3 Class C Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.6 Payment. On the Redemption Date in respect of any Series 3 Class C Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U.S. \$50,000,000, as a trust fund, a sum equal to the aggregate First Six Months Redemption Price or the Redemption Price, whichever is applicable, of all such shares called from redemption (less the aggregate Redemption Price for those Series 3 Class C Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 3 Class C Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the First Six Months Redemption Price or the Redemption Price, whichever is applicable, to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the First Six Months Redemption Price or the Redemption Price, whichever is applicable, of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the First Six Months Redemption Price or the Redemption Price, whichever is applicable, in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 3 Class C Preferred Stock and Priority.

6.1 **Rateable Participation.** if any cumulative dividends or return of capital in respect of Series 3 Class C Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

6.2.1 Prior or senior to the shares of this Series 3 Class C Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 3 Class C Preferred Stock;

6.2.2 On a parity with, or equal to, shares of this Series 3 Class C Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 3 Class C Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 3 Class C Preferred Stock; and,

6.2.3 Junior to shares of this Series 3 Class C Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 3 Class C Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** if any proposed amendment to the Corporation's Certificate of Incorporation would alter or change the powers, preferences or special rights of the Series 3 Class C Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Certificate of Incorporation at a duly called and held series meeting of the holders of the Series 3 Class C Preferred Stock or written consent by the holders of a majority of the Series 3 Class C Preferred Stock then outstanding. Notwithstanding the above, the number of authorized shares of any class or classes of stock may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of this Section 7.1 or the requirements of Section 242 of the GCL.

7.2 **Authorized.** Any shares of Series 3 Class C Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF ELIMINATION
OF
SERIES I CLASS A PREFERRED STOCK
AND
SERIES 2 CLASS B CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of Series I Class A Preferred Stock of the Corporation (the "Series I Preferred") was filed on February 6, 1996 (the "Series I Certificate of Designation").

2. That all outstanding shares of the Series I Preferred have been converted into shares of common stock of the Company pursuant to the terms and conditions of the Series I Certificate of Designations.

3. That no shares of Series I Preferred remain outstanding.

4. That all shares of the Series I Preferred which have been converted have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

5. That on September 19, 1996, the Board of Directors of the Company duly adopted the following resolution:

RESOLVED, that no authorized shares of Series I Class A Preferred Stock remain outstanding and no shares of Series I Class A Preferred Stock will be issued subject to the Certificate of Designation previously filed with respect to the Series I Class A Preferred Stock.

6. That the Certificate of Designations of the Series 2 Class B Convertible Preferred Stock of the Corporation (the "Series 2 Preferred") was filed on February 20, 1996 (the "Series 2 Certificate of Designation").

7. That all outstanding shares of the Series 2 Preferred have been converted into shares of common stock of the Company pursuant to the terms and conditions of the Series 2 Certificate of Designations.

8. That no shares of Series 2 Preferred remain outstanding.
9. That all shares of the Series 2 Preferred which have been converted have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
10. That on September 19, 1996, the Board of Directors of the Company duly adopted the following resolution:
- RESOLVED, that no authorized shares of Series 2 Class B Convertible Preferred Stock remain outstanding and no shares of Series 2 Class B Convertible Preferred Stock will be issued subject to the Certificate of Designation previously filed with respect to the Series 2 Class B Convertible Preferred Stock.
11. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series I Class A Preferred Stock and the Series 2 Class B Convertible Preferred Stock.

IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 4th day of December, 1996, by the President of the Company.

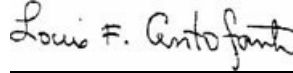
ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecy, Secretary

By



Dr. Louis F. Centofanti, President

(SEAL)

(STAMP)

**CERTIFICATE OF AMENDMENT
OF
RESTATED CERTIFICATE OF INCORPORATION
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc., a Delaware corporation (the "Corporation"), for purposes of amending its Restated Certificate of Incorporation, as amended ("Restated Certificate of Incorporation"), as provided by Section 242 of the Delaware General Corporation Law, does hereby certify:

1. The amendment set forth below to the Corporation's Restated Certificate of Incorporation was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware:

The first paragraph of Article Fourth of the Corporation's Restated Certificate of Incorporation is hereby deleted and replaced in its entirety by the following:

The total number of shares of capital stock that the Corporation shall have authority to issue is 52,000,000, of which 50,000,000 shall be designated as common stock of the par value of \$.001 per share ("Common Stock") and 2,000,000 shall be designated as preferred stock of the par value of \$.001 per share ("Preferred Stock").

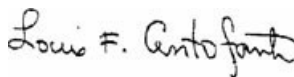
2. Only the first paragraph of Article Fourth is amended by this Amendment, and the remainder of Article Fourth shall remain in full force and effect. No other provision, paragraph or article of the Restated Certificate of Incorporation is amended or changed by this Amendment. The Restated Certificate of Incorporation, as expressly amended by paragraph 1 of this Amendment, shall be in full force and effect.

3. At a meeting of the Board of Directors held on the 19th day of September, 1996, a resolution was duly adopted setting forth the foregoing proposed amendment to the first paragraph of Article Fourth of the Restated Certificate of Incorporation, declaring such amendment to be advisable and setting the next Annual Meeting of Stockholders for consideration thereof.

4. Thereafter, pursuant to said resolution of its Board of Directors, the Annual Meeting of Stockholders was duly called and held on December 12, 1996, at which meeting the necessary number of shares as required by statute were voted in favor of such amendment.

IN WITNESS whereof, Perma-Fix Environmental Services, Inc. has caused this Certificate to be signed and attested to by its duly authorized officers as of this 16th day of December, 1996.

Perma-Fix Environmental Services, Inc., a Delaware corporation



By: _____

Dr. Louis F. Centofanti
President and Chief Executive Officer

ATTEST:



Richard T. Kelecny,
Secretary

**CERTIFICATE OF DESIGNATIONS
OF SERIES 4 CLASS D CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

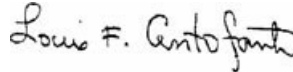
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 4 Class D Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 4 Class D Convertible Preferred Stock as set forth in the attached resolutions.

Dated: June 9, 1997

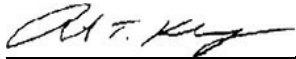
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelecy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 4 CLASS C CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation's capital includes preferred stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series:

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 4 Class D Convertible Preferred Stock, par value \$.001 per share ("Series 4 Class D Preferred Stock");

NOW, THEREFORE, BE IT RESOLVED, that the Series 4 Class D Convertible Preferred Stock, par value \$.001 (the "Series 4 Class D Preferred Stock") of the Corporation shall consist of two thousand five hundred (2,500) shares and no more and shall be designated as the Series 4 Class D Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 4 Class D Preferred Stock shall be at follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except at otherwise provided in Pan 7 hereof or under the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 4 Class D Preferred Stock shall have no voting rights whatsoever. To the extent that under Part 7 hereof or the GCL the vote of the holders of the Series 4 Class D Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 4 Class D Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 4 Class D Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL or Part 7 hereof, the holders of the Series 4 Class D Preferred Stock are entitled to vote on a matter, each share of the Series 4 Class D Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 4 Class D Preferred Stock. Holders of the Series 4 Class D Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation's bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 4 Class D Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 4 Class D Preferred Stock shall be outstanding, the holders of the then outstanding Series 4 Class D Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 4 Class D Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 4 Class D Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 4 Class D Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 4 Class D Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 4 Class D Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 4 Class D Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 4 Class D Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 4 Class D Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 4 Class D Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 4 Class D Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 4 Class D Preferred Stock shall be \$1.000 per outstanding share of the Series 4 Class D Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1997 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 4 Class D Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 4 Class D Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of issuance of the Series 4 Class D Preferred Stock. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 4 Class D Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Series 4 Class D Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 4 Class D Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 4 Class D Preferred Stock shall have rights to convert the shares of Series 4 Class D Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 4 Class D Preferred Stock shall be convertible into shares of Common Stock, as follows:

- 4.1.1 Up to one thousand two hundred fifty (1,250) shares of Series 4 Class D Preferred Stock may be converted at the Conversion Price (as that term is defined in Section 4.2 below) at any time on or after October 5, 1997; and,

4.1.2 Up to an additional one thousand two hundred fifty (1,250) shares of Series 4 Class D Preferred Stock may be converted at the Conversion Price at any time on or after November 5, 1997.

- 4.2 **Conversion Price.** Subject to the terms hereof, as used herein, the term Conversion Price per outstanding share of Series 4 Class D Preferred Stock shall be the product of the lesser of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by eighty percent (80%) or (ii) U.S. \$1.6875. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 4 Class D Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 4 Class D Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect at the date of the conversion. At the time of conversion of shares of the Series 4 Class D Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 4 Class D Preferred Stock so converted divided by the Stock Dividend Price, as defined in Section 3.1 hereof, in effect at the date of conversion.

- 4.3 **Mechanics of Conversion.** Any holder of the Series 4 Class D Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 4 Class D Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. No Conversion Notice with respect to any shares of Series 4 Class D Preferred Stock can be given prior to the time such shares of Series 4 Class D Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above, except as provided in Section 4.4. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 4 Class D Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that, until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 4 Class D Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 4 Class D Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of Use Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares or Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion within seven (7) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3 ("Seven (7) Business Day Period"), then, upon the written demand of RBB Bank Aktiengesellschaft ("RBB Bank"), the holder of the Series 4 Class D Preferred Stock, for payment of the penalty described below in this Section 4.3, which demand must be received by the Corporation no later than ten (10) calendar days after the expiration of such Seven (7) Business Day Period, the Corporation shall pay to RBB Bank the following penalty for each business day after the Seven (7) Business Day Period until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion: business day eight (8) - U.S. \$1,000; business day nine (9) - U.S. \$2,000, and each business day thereafter an amount equal to the penalty due on the immediately preceding business day times two (2) until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion.
- 4.4 **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 4 Class D Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement covering up to 1,482,000 shares of Common Stock issuable upon the conversion of the Series 4 Class D Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the cast may be, shall make appropriate provision so that the holder of each share of Series 4 Class D Preferred Stock then outstanding shall have the right to convert such share of Series 4 Class D Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 4 Class D Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

- 4.4 **Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock.** If the Corporation at any time or from time to time while shares of Series 4 Class D Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.
- 4.5 **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Series 4 Class D Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 4 Class D Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 4 Class D Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 4 Class D Preferred Stock immediately before that change.
- 4.6 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 4 Class D Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.
- 4.7 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 4 Class D Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

- 4.8 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 4 Class D Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by toy holder of Series 4 Class D Preferred Stock in connection with such conversion.
- 4.9 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 4 Class D Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 4 Class D Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 4 Class D Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.
- 4.10 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 4 Class D Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 4 Class D Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.
- 4.11 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 4 Class D Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.
- 4.12 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York axe required or is permitted to close.

Part 5 - Redemption.

- 5.1 **Redemption at Corporation’s Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from the date of the first issuance of the Series 4 Class D Preferred Stock, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 4 Class D Preferred Stock at the following cash redemption prices per share (the “Redemption Price”) if redeemed during the following periods: (a) within four (4) years from the date of the first issuance of Series 4 Class D Preferred Stock - \$1,300 per share, if at any time during such four (4) year period the average of the closing bid price of the Common Stock for ten (10) consecutive trading days shall be in excess of Four U.S. Dollars (\$4.00) per share, and (b) after four (4) years from the date of the first issuance of Series 4 Class D Preferred Stock - \$1,000 per share.

- 5.3 **Mechanics of Redemption.** Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series 4 Class D Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 4 Class D Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 4 Class D Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 4 Class D Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 4 Class D Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first one hundred eighty (180) days from the date of issuance of the Series 4 Class D Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.
- 5.4 **Rights of Conversion Upon Redemption.** If the redemption occurs after the first one hundred eighty (180) days after the first issuance of Series 4 Class D Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 4 Class D Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 4 Class D Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, such holder shall have the right to convert into Common Stock that number of Series 4 Class D Preferred Stock called for redemption in the Redemption Notice.
- 5.5 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 4 Class D Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 4 Class D Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

- 5.6 **Payment.** On the Redemption Date in respect of any Series 4 Class D Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U.S. \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 4 Class D Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 4 Class D Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 4 Class D Preferred Stock and Priority.

- 6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 4 Class D Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.
- 6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:
- 6.2.1 Prior or senior to the shares of this Series 4 Class D Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 4 Class D Preferred Stock;

- 6.2.2 On a parity with, or equal to, shares of this Series 4 Class D Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 4 Class C Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 4 Class D Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 4 Class D Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 4 Class D Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

- 7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 4 Class D Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 4 Class D Preferred Stock or written consent by the holders of a majority of the Series 4 Class D Preferred Stock then outstanding. Notwithstanding the above or the provisions of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242 of the GCL.
- 7.2 **Authorized.** Any shares of Series 4 Class D Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 5 CLASS E CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 5 Class E Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 5 Class E Convertible Preferred Stock as set forth in the attached resolutions.

Dated: July 3, 1997

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By Louis F. Centofanti

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:

Richard T. Kelec

Richard T. Kelec, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 5 CLASS E CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation's capital includes preferred stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, and qualifications, limitations or restrictions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 5 Class E Convertible Preferred Stock, par value \$.001 per share ("Series 5 Class E Preferred Stock");

NOW, THEREFORE, BE IT RESOLVED, that the Series 5 Class E Convertible Preferred Stock, par value \$.001 (the "Series 5 Class E Preferred Stock") of the Corporation shall consist of three hundred fifty (350) shares and no more and shall be designated as the Series 5 Class E Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 5 Class E Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except as otherwise provided in Section 242(b)(2) of the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 5 Class E Preferred Stock shall have no voting rights whatsoever. To the extent that under Section 242(b)(2) of the GCL the vote of the holders of the Series 5 Class E Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 5 Class E Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 5 Class E Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under Section 242(b)(2) of the GCL the holders of the Series 5 Class E Preferred Stock are entitled to vote on a matter, each share of the Series 5 Class E Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 5 Class E Preferred Stock. Holders of the Series 5 Class E Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote. which notice would be provided pursuant to the Corporation's bylaws and applicable statutes. If the holders of the Series 5 Class E Preferred Stock are required to vote under Section 242(b)(2) of the GCL as a result of the number of authorized shares of any such class or classes of stock being increased or decreased, the number of authorized shares of any of such class or classes of stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, irrespective of the provisions of Section 242(b)(2) of the GCL.

1.2 **No Preemptive Rights.** The Series 5 Class E Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 5 Class E Preferred Stock shall be outstanding, the holders of the then outstanding Series 5 Class E Preferred Stock shall be entitled to receive out of the assets of the Corporation available for distribution to shareholders an amount equal to \$1,000 consideration per outstanding share of Series 5 Class E Preferred Stock, and no more, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board of Directors, before any payment shall be made or any assets distributed to the holders of the Corporation's Common Stock.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 5 Class E Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 5 Class E Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 5 Class E Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 Assets Insufficient to Pay Full Liquidation Preference. In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 5 Class E Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 5 Class E Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 5 Class E Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 5 Class E Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 5 Class E Preferred Stock are entitled to receive if, when and as declared by the Board of Directors of the Corporation (the "Board") out of funds legally available therefor, cumulative annual dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 5 Class E Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 5 Class E Preferred Stock shall be \$1,000 per outstanding share of the Series 5 Class E Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1997 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 5 Class E Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 5 Class E Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of issuance of the Series 5 Class E Preferred Stock. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 5 Class E Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Series 5 Class E Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 5 Class E Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 5 Class E Preferred Stock shall have rights to convert the shares of Series 5 Class E Preferred Stock into shares of the Corporation's Common Stock, as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 5 Class E Preferred Stock shall be convertible into shares of Common Stock, as follows:

- 4.1.1 Up to one hundred seventy-five (175) shares of Series 5 Class E Preferred Stock may be converted at the Conversion Price (as that term is defined in Section 4.2 below) at any time on or after November 3, 1997; and,
- 4.1.2 Up to an additional one hundred seventy-five (175) shares of Series 5 Class E Preferred Stock may be converted at the Conversion Price at any time on or after December 3, 1997.

4.2 **Conversion Price.** Subject to the terms hereof, as used herein, the term Conversion Price per outstanding share of Series 5 Class E Preferred Stock shall be the product of the lesser of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by eighty percent (80%) or (ii) U.S. \$1.6875. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 5 Class E Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 5 Class E Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect at the date of the conversion. At the time of conversion of shares of the Series 5 Class E Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 5 Class E Preferred Stock so converted divided by the Stock Dividend Price, as defined in Section 3.1 hereof, in effect at the date of conversion.

- 4.3 **Mechanics Conversion.** Any holder of the Series 5 Class E Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). No Conversion Notice with respect to any shares of Series 5 Class E Preferred Stock can be given prior to the time such shares of Series 5 Class E Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above, except as provided in Section 4.4. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within seven (7) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 5 Class E Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 5 Class E Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 5 Class E Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received.
- 4.4 **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 5 Class E Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement covering up to 200,000 shares of Common Stock issuable upon the conversion of the Series 5 Class E Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 5 Class E Preferred Stock then outstanding shall have the right to convert such share of Series 5 Class E Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 5 Class E Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

- 4.4 **Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common stock.** If the Corporation at any time or from time to time while shares of Series 5 Class E Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.
- 4.5 **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Series 5 Class E Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 5 Class E Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 5 Class E Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 5 Class E Preferred Stock immediately before that change.
- 4.6 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 5 Class E Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.
- 4.7 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 5 Class E Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.
- 4.8 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 5 Class E Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 5 Class E Preferred Stock in connection with such conversion.

- 4.9 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 5 Class E Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 5 Class E Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 5 Class E Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.
- 4.10 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 5 Class E Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 5 Class E Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.
- 4.11 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 5 Class E Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.
- 4.12 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

- 5.1 **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from the date of the first issuance of the Series 5 Class E Preferred Stock, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 5 Class E Preferred Stock at the following cash redemption prices per share (the “Redemption Price”) if redeemed during the following periods: (a) within four (4) years from the date of the first issuance of Series 5 Class E Preferred Stock - \$1,300 per share, if at any time during such four (4) year period the average of the closing bid price of the Common Stock for ten (10) consecutive trading days shall be in excess of Four U.S. Dollars (\$4.00) per share, and (b) after four (4) years from the date of the first issuance of Series 5 Class E Preferred Stock - \$1,000 per share.

- 5.3 **Mechanics of Redemption.** Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series 5 Class E Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 5 Class E Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 5 Class E Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 5 Class E Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 5 Class E Preferred Stock to be redeemed as provided in this Part 5.
- 5.4 **Rights of Conversion Upon Redemption.** If the redemption occurs after the first one hundred eighty (180) days after the first issuance of Series 5 Class E Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 5 Class E Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 5 Class E Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof.
- 5.5 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 5 Class E Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 5 Class E Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

- 5.6 **Payment.** On the Redemption Date in respect of any Series 5 Class E Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U. S. \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 5 Class E Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 5 Class E Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 5 Class E Preferred Stock and Priority.

- 6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 5 Class E Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.
- 6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:
- 6.2.1 Prior or senior to the shares of this Series 5 Class E Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 5 Class E Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 5 Class E Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 5 Class E Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 5 Class E Preferred Stock; and,

- 6.2.3 Junior to shares of this Series 5 Class E Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 5 Class E Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Reissue.

- 7.1 **Authorized.** Any shares of Series 5 Class E Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 6 CLASS F CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

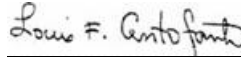
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 6 Class F Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 6 Class F Convertible Preferred Stock as set forth in the attached resolutions.

Dated: November 12, 1997

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kececy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES, RESTRICTIONS AND CONDITIONS ATTACHING TO THE SERIES 6 CLASS F
CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation's capital includes preferred stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 6 Class F Convertible Preferred Stock, par value \$.001 per share (the "Series 6 Class F Preferred Stock");

NOW, THEREFORE, BE IT RESOLVED, that the Series 6 Class F Preferred Stock shall consist of two thousand five hundred (2,500) shares and no more and shall be designated as the Series 6 Class F Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 6 Class F Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1 ..1 **Voting Rights.** Except as otherwise provided in Pan 7 hereof or under the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 6 Class F Preferred Stock shall have no voting rights whatsoever. To the extent that under Part 7 hereof or the GCL the vote of the holders of the Series 6 Class F Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 6 Class F Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 6 Class F Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL or Part 7 hereof, the holders of the Series 6 Class F Preferred Stock are entitled to vote on a matter, each share of the Series 6 Class F Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 6 Class F Preferred Stock. Holders of the Series 6 Class F Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote. which notice would be provided pursuant to the Corporation's bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 6 Class F Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 6 Class F Preferred Stock shall be outstanding, the holders of the then outstanding Series 6 Class F Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 6 Class F Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 6 Class F Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After payment.** After the payment to the holders of the shares of the Series 6 Class F Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 6 Class F Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to pay full Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 6 Class F Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 6 Class F Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 6 Class F Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 6 Class F Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends. The holders of the Series 6 Class F Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 6 Class F Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 6 Class F Preferred Stock shall be \$1,000 per outstanding share of the Series 6 Class F Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1997 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 6 Class F Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 6 Class F Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from September 16, 1997. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 6 Class F Preferred Stock in Common Stock of the Corporation the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"). Times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Series 6 Class F Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 6 Class F Preferred Stock shall have been paid or declared and set aside for payment.

Part 4-Conversion. The holders of the Series 6 Class F Preferred Stock shall have rights to convert the shares of Series 6 Class F Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 6 Class F Preferred Stock shall be convertible into shares of Common Stock, as follows:

- 4.1.1 Up to one thousand two hundred fifty (1,250) shares of Series 6 Class F Preferred Stock may be converted at the Conversion Price (as that term is defined in Section 4.2 below) at any time on or after October 5, 1997; and,
- 4.1.2 Up to an additional one thousand two hundred fifty (1,250) shares of Series 6 Class F Preferred Stock may be converted at the Conversion Price at any time on or after November 5, 1997.

4.2 **Conversion Price.** Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 6 Class F Preferred Stock shall be \$1,8125, except that, in the event the average closing bid price per share of the Common Stock for 20 of any 30 consecutive trading days after March 1, 1998 shall be less than \$2.50 as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, the Conversion Price shall thereafter be the product of the lesser of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market or the closing sale price if listed on a national securities exchange, for the five trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by eighty percent (80%) or (ii) \$1.8125. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 6 Class F Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4 the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 6 Class F Preferred Stock so surrendered for conversion by (b) the Conversion Price as of such conversion. At the time of conversion of shares of the Series 6 Class F Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of whole shares of Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 6 Class F Preferred Stock so converted divided by the Stock Dividend Price as defined in Part 3 hereof, in effect at the date of conversion.

4.3 Mechanics of Conversion. Any holder of the Series 6 Class F Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 6 Class F Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. No Conversion Notice with respect to any shares of Series 6 Class F Preferred Stock can be given prior to the time such shares of Series 6 Class F Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above, except as provided in Section 4.4. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 6 Class F Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 6 Class F Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 6 Class F Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion within seven (7) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3 ("Seven (7) Business Day Period"), then, upon the written demand of RBB Bank Aktiengesellschaft ("RBB Bank"), the holder of the Series 6 Class F Preferred Stock, for payment of the penalty described below in this Section 4.3, which demand must be received by the Corporation no later than ten (10) calendar days after the expiration of such Seven (7) Business Day Period, the Corporation shall pay to RBB Bank the following penalty for each business day after the Seven (7) Business Day Period until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion: business day eight (8) - U.S. \$1,000; business day nine (9) - U.S. \$2,000, and each business day thereafter an amount equal to the penalty due on the immediately preceding business day times two (2) until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion.

4.4 Merger or Consolidation. In case of either (a) any merger or consolidation to which the Corporation is a party (collectively the “Merger”), other than a Merger in which the Corporation is the surviving or continuing corporation or (b) any sale or conveyance to another corporation of all or substantially all, of the assets of the Corporation (collectively, the “Sale”), and such Merger or Sale becomes effective (x) while any shares of Series 6 Class F Preferred Stock are outstanding and prior to the date that the Corporation’s Registration Statement covering up to 1,379,500 shares of Common Stock issuable upon the conversion of the Series 6 Class F Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 6 Class F Preferred Stock then outstanding shall have the right to convert such share of Series 6 Class F Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 6 Class F Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

4.5 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Series 6 Class F Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

4.6 Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Series 6 Class F Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 6 Class F Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 6 Class F Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 6 Class F Preferred Stock immediately before that change.

4.7 Common Stock Duly Issued. All Common Stock which may be issued upon conversion of Series 6 Class F Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.8 Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 6 Class F Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.9 Issue Taxes. The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 6 Class F Preferred Stock pursuant thereto; Provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 6 Class F Preferred Stock in connection with such conversion.

4.10 Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 6 Class F Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 6 Class F Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 6 Class F Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.11 Fractional Shares. No fractional shares shall be issued upon the conversion of any share or shares of Series 6 Class F Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 6 Class F Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 6 Class F Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.13 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation’s Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from June 9, 1997, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 6 Class F Preferred Stock at the following cash redemption prices per share (the “Redemption Price”) if redeemed during the following periods: (a) within four years from June 9, 1997 - \$1,300 per share, if at any time during such four year period the average of the closing bid price of the Common Stock for ten consecutive trading days shall be in excess of Four Dollars (\$4.00) per share, and (b) after four years from June 9, 1997 - \$1,000 per share.

5.2 **Mechanics of Redemption.** Thirty days prior to any date stipulated by the Corporation for the redemption of Series 6 Class F Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 6 Class F Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 6 Class F Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 6 Class F Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 6 Class F Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first 180 days from the date of issuance of the Series 6 Class F Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 Rights of Conversion Upon Redemption. If the redemption occurs after the first 180 days after the first issuance of Series 6 Class F Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 6 Class F Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 6 Class F Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof except that notwithstanding any provision of such Part 4 to the contrary, such holder shall have the right to convert into Common Stock that number of Series 6 Class F Preferred Stock called for redemption in the Redemption Notice.

5.4 Surrender of Certificates. On or before the Redemption Date in respect of any Series 6 Class F Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 6 Class F Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.5 Payment. On the Redemption Date in respect of any Series 6 Class F Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 6 Class F Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 6 Class F Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 6 Class F Preferred Stock and Priority.

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 6 Class F Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

- 6.2.1 Prior or senior to the shares of this Series 6 Class F Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary, or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 6 Class F Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 6 Class F Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 6 Class F Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other as between the holders of such stock and the holders of shares of this Series 6 Class F Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 6 Class F Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 6 Class F Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 6 Class F Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 6 Class F Preferred Stock or written consent by the holders of a majority of the Series 6 Class F Preferred Stock then outstanding. Notwithstanding the above or the provisions of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242 of the GCL.

7.2 **Authorized.** Any Shares of Series 6 Class F Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 7 CLASS G CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

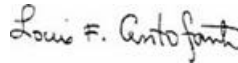
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 7 Class G Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 7 Class G Convertible Preferred Stock as set forth in the attached resolutions.

Dated: November 12, 1997

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelec, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES, RESTRICTIONS AND CONDITIONS ATTACHING TO THE SERIES 7 CLASS G
CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation’s capital includes preferred stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 7 Class G Convertible Preferred Stock, par value \$.001 per share (the “Series 7 Class G Preferred Stock”);

NOW, THEREFORE, BE IT RESOLVED, that the Series 7 Class G Preferred Stock shall consist of three hundred (350) shares and no more and shall be designated as the Series 7 Class G Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 7 Class G Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights

1.1 **Voting Rights**. Except as otherwise provided in Part 7 hereof or under the General Corporation Law of the State of Delaware (the “GCL”), the holders of the Series 7 Class G Preferred Stock shall have no voting rights whatsoever. To the extent that under Part 7 hereof or the GCL the vote of the holders of the Series 7 Class G Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 7 Class G Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 7 Class G Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL or Part 7 hereof, the holders of the Series 7 Class G Preferred Stock are entitled to vote on a matter, each share of the Series 7 Class G Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 7 Class G Preferred Stock. Holders of the Series 7 Class G Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation’s bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 7 Class G Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 7 Class G Preferred Stock shall be outstanding, the holders of the then outstanding Series 7 Class G Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 7 Class G Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 7 Class G Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 7 Class G Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 7 Class G Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 7 Class G Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class Or series of Preferred Stock ranking on a parity with the shares of this Series 7 Class G Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 7 Class G Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 7 Class G Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends. The holders of the Series 7 Class G Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), of any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 7 Class G Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 7 Class G Preferred Stock shall be \$1,000 per outstanding share of the Series 7 Class G Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within Seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1997 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 7 Class G Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 7 Class G Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of issuance of the Series 7 Class G Preferred Stock. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 7 Class G Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Series 7 Class G Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 7 Class G Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 7 Class G Preferred Stock shall have rights to convert the shares of Series 7 Class G Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 7 Class G Preferred Stock shall be convertible into shares of Common Stock, as follows:

- 4.1.1 Up to one hundred seventy-five (175) shares of Series 7 Class G Preferred Stock may be converted at the Conversion Price (as that term is defined in Section 4.2 below) at any time on or after November 3, 1997; and,

4.1.2 Up to on additional one hundred seventy-five (175) shares of Series 7 Class G Preferred Stock may be converted at the Conversion Price at any time on or after December 3, 1997.

4.2 Conversion Price. Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 7 Class G Preferred Stock shall be \$1.8125 except that, in the event the average closing bid price of the Common Stock for 20 of 30 consecutive trading days after March 1, 1998 shall be less than \$2.50, the Conversion Price shall thereafter be the product of the lesser of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by eighty percent (80%) or (ii) \$1.8125. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 7 Class G Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 7 Class G Preferred Stock so surrendered for conversion by (b) the Conversion Price as of such conversion. At the time of conversion of shares of the Series 7 Class G Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividend, issue that number of whole shares of Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 7 Class G Preferred Stock so converted divided by the Stock Dividend Price, as defined in Part 3 hereof, in effect at the date of conversion.

4.5. Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Series 7 Class G Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 7 Class G Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 7 Class G Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 7 Class G Preferred Stock immediately before that change.

4.6 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 7 Class G Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.7 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 7 Class G Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.8 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes (that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 7 Class G Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 7 Class G Preferred Stock in connection with such conversion.

4.9 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 7 Class G Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 7 Class G Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 7 Class G Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.10 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share of shares of Series 7 Class G Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 7 Class G Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.11 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 7 Class G Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.12 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation’s Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from July 7, 1997, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 7 Class G Preferred Stock at the following cash redemption prices per share (the “Redemption Price”) if redeemed during the following periods: (a) within four years from July 7, 1997 - \$1,300 per share, if at any time during such four year period the average of the closing bid price of the Common Stock for ten consecutive trading days shall be in excess of Four U.S. Dollars (\$4.00) per share, and (b) after four years from July 7, 1997 - \$1.000 per share.

5.3 **Mechanics of Redemption.** Thirty days prior to any date stipulated by the Corporation for the redemption of Series 7 Class G Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 7 Class G Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 7 Class G Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 7 Class G Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 7 Class G Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first 180 days from the date of issuance of the Series 7 Class G Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.4 **Rights of Conversion Upon Redemption.** If the redemption occurs after the first 180 days after the first issuance of Series 7 Class G Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 7 Class G Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 7 Class G Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, such holder shall have the right to convert into Common Stock that number of Series 7 Class G Preferred Stock called for redemption in the Redemption Notice.

5.5 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 7 Class G Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 7 Class G Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.6 **Payment.** On the Redemption Date in respect of any Series 7 Class G Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 7 Class G Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 7 Class G Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 7 Class G Preferred Stock and Priority.

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 7 Class G Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

- 6.2.1 Prior or senior to the shares of this Series 7 Class G Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 7 Class G Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 7 Class G Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 4 Class C Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 7 Class G Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 7 Class G Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 7 Class G Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 7 Class G Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 7 Class G Preferred Stock or written consent by the holders of a majority of the Series 7 Class G Preferred Stock then outstanding. Notwithstanding the above or the provisions of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242 of the GCL.

7.2 **Authorized.** Any shares of Series 7 Class G Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF ELIMINATION
OF
SERIES 4 CLASS D CONVERTIBLE PREFERRED STOCK
AND
SERIES 5 CLASS E CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of Series 4 Class D Convertible Preferred Stock of the Corporation (the "Series 4 Preferred") was filed on June 11, 1997 (the "Series 4 Certificate of Designations").
2. That all outstanding shares of the Series 4 Preferred have been delivered to the Company and exchanged upon agreement with the holder thereof pursuant to the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank Aktiengesellschaft, dated effective as of September 16, 1997.
3. That no shares of Series 4 Preferred remain outstanding.
4. That all shares of the Series 4 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
5. That effective September 16, 1997, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 4 Class D Convertible Preferred Stock, no authorized shares of Series 4 Class D Convertible Preferred Stock will remain outstanding and no shares of Series 4 Class D Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 4 Class D Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 4 Class D Convertible Preferred Stock.

6. That the Certificate of Designations of the Series 5 Class E Convertible Preferred Stock of the Corporation (the "Series 5 Preferred") was filed on July 14, 1997 (the "Series 5 Certificate of Designations").

7. That all outstanding shares of the Series 5 Preferred have been delivered to the Company and exchanged upon agreement with the holder thereof pursuant to the terms and conditions of a certain Exchange Agreement between the Company and The Infinity Fund, L.P., dated effective as of September 16, 1997.

8. That no shares of Series 5 Preferred remain outstanding.

9. That all shares of the Series 5 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

10. That effective September 16, 1997, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 5 Class E Convertible Preferred Stock, no authorized shares of Series 5 Class E Convertible Preferred Stock will remain outstanding and no shares of Series 5 Class E Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 5 Class E Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 5 Class E Convertible Preferred Stock.

11. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series 4 Class D Convertible Preferred Stock and the Series 5 Class E Convertible Preferred Stock.

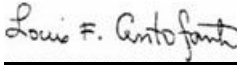
IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 20th day of November, 1997 by the President of the Company.

ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecyc, Secretary

By 

Dr. Louis F. Centofanti, President

(SEAL)

**CERTIFICATE OF DESIGNATIONS
OF RIGHTS AND PREFERENCES OF THE
SERIES 10 CLASS J CONVERTIBLE PREFERRED STOCK OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

We, being respectively the President and Secretary of Perma-Fix Environmental Services, Inc. a corporation organized and existing under the laws of the State of Delaware (hereinafter the "Corporation"), DO HEREBY CERTIFY:

FIRST:

That pursuant to authority expressly granted and vested in the Board of Directors of said Corporation under Section 151 of the Delaware General Corporation Law (the "GCL"), and the provisions of the Corporation's Restated Certificate of Incorporation, said Board of Directors, on June 30th, 1998 (the "Closing Date"), adopted the following resolution setting forth the designations, powers, preferences and rights of its Series 10 Class J Convertible Preferred Stock (the "Certificate of Designations").

RESOLVED: That the designations, powers, preferences and rights of the Series 10 Class J Convertible Preferred Stock be, and they hereby are, as set forth below:

1. Number or Shares of Common Stock of Series 10 Class J Convertible Preferred Stock

The Corporation hereby authorizes the issuance of 3,000 (three thousand,) shares of Series 10 Class J Convertible Preferred Stock par value \$.001 per share (the "Preferred Stock"). This Preferred Stock shall pay an annual dividend based on a 365 day calendar year of 4% of the Liquidation Value (as defined in Section 3 hereof) ("Dividend Rate"), payable semiannually within ten (10) business days after each subsequent June 30th and December 31st (each a "Dividend Declaration Date"), and shall be payable in cash or shares of the Corporation's par value \$.001 per share common stock (Common Stock) at the Corporation's option. The first Dividend Declaration Date shall be December 31st, 1998.

In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on the outstanding shares of Preferred Stock in Common Stock of the Corporation, the Holder of each share of Preferred Stock shall receive that number of shares of Common Stock equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange, the average closing bid price of the Common Stock as quoted on such national exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Preferred Stock shall have been paid or declared and set aside for payment.

2. Voting.

(a) Except as provided under Section 242 of the GCL, holders of Preferred Stock (the “Holders”) shall not have the right to vote on any matter. Notwithstanding the provisions of Section 242 of the GCL or Section 4 hereof, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of Section 242 of the GCL.

3. Liquidation.

In the event of a voluntary or involuntary dissolution, liquidation, or winding up of the Corporation, the Holders of Preferred Stock shall be entitled to receive out of the assets of the Corporation legally available for distribution to holders of its capital stock, before any payment or distribution shall be made to holders of shares of Common Stock or any other class of stock ranking junior to the Preferred Stock, an amount per share of Preferred Stock equal to \$1,000 (the “Liquidation Value”) plus any accrued and unpaid dividends on the Preferred Stock. If upon such liquidation, dissolution, or winding up of the Corporation, whether voluntary or involuntary, the assets to be distributed among the Holders of Preferred Stock shall be insufficient to permit payment to the Holders of Preferred Stock of the amount distributable as aforesaid, then the entire assets of the Corporation to be so distributed shall be distributed ratably among the Holders of Preferred Stock and shares of such other classes or series ranking on a parity with the shares of this Preferred Stock in proportion to the full distributable amounts for which holders of all such parity shares are entitled upon such distribution, liquidation, or winding up. Upon any such liquidation, dissolution or winding up of the Corporation, after the Holders of Preferred Stock shall have been paid in full the amounts to which they shall be entitled, the remaining net assets of the Corporation may be distributed to the holders of stock ranking on liquidation junior to the Preferred Stock and the Holders of the Preferred Stock shall have no right or claim to any of the remaining assets of the Corporation. Written notice of such liquidation, dissolution or winding up, stating a payment date, the amount of the liquidation payments and the place where said liquidation payments shall be payable, shall be given by mail, postage prepaid or by telex or facsimile to non-U.S. residents, not less than 10 days prior to the payment date stated therein, to the Holders of record of Preferred Stock, such notice to be addressed to each such Holder at its address as shown by the records of the Corporation. For purposes hereof the shares of Common Stock, shall rank on liquidation junior to the Preferred Stock.

4. Restrictions.

The Corporation will not amend or modify the terms of its Restated Certificate of Incorporation so as to adversely alter or change the Preferred Stock at any time when shares of Preferred Stock are outstanding, without the approval of the Holders of at least a majority of the then outstanding shares of Preferred Stock given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a series, except where the vote or written consent of the Holders of a greater number of shares of Common Stock of the Corporation is required by law or by the Corporation's Certificate of Incorporation, as amended.

5. Optional Conversion.

The Holders of shares of Preferred Stock shall have the following conversion rights to convert the shares of Preferred Stock into shares of Common Stock of the Corporation:

(a) **Conversion Dates.** The Holder of any share or shares of Preferred Stock may convert cumulatively any of such Preferred Stock at any time subsequent to 180 days after the Closing Date.

(b) **Right to Convert; Conversion Price.** Subject to the terms hereof, as used herein, the term Conversion Price per outstanding share of Preferred Stock shall be One Dollar and 875/100 (\$1 .875); except that after the expiration of one hundred and eighty (180) days after the Closing Date if the average of the closing bid price per share of Common Stock quoted on the NASDAQ (or the closing bid price of the Common Stock as quoted on the national securities exchange if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange) for the five (5) trading days immediately prior to the particular date of each Conversion Notice (as defined below) is less than Two Dollars and 34/100 (\$2.34), then the Conversion Price for that particular conversion shall be eighty percent (80%) of the average of the closing bid price of the Common Stock on the NASDAQ (or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange then eighty percent (80%) of the average of the closing bid price of the Common Stock on the national securities exchange) for the five (5) trading days immediately prior to the particular date of the Conversion Notice. If any of the outstanding shares of Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Section 5(b), the number of shares of whole Common Stock to be issued to the Holder as a result of such conversion shall be determined by dividing (a) the aggregate Stated Value of the Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect on the date of that particular Conversion Notice relating to such conversion. At the time of conversion of shares of the Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon on the shares of Preferred so converted to the date of the Conversion Notice relating to such conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of the Conversion Notice relating to such conversion of the shares of Preferred Stock so converted divided by the Stock Dividend Price, in effect at the date of the Conversion Notice relating to such conversion.

(c) **Conversion Notice.** The right of conversion shall be exercised by the Holder thereof by telecopying or faxing an executed and completed written notice signed by an authorized representative of the Holder, ("Conversion Notice") to the Corporation that the Holder elects to convert a specified number of shares of Preferred Stock representing a specified Stated Value thereof into shares of Common Stock and by delivering by express courier the certificate or certificates of Preferred Stock being converted to the Corporation at its principal office (or such other office or agency of the Corporation as the Corporation may designate by notice in writing to the Holders of the Preferred Stock), The business date indicated on a Conversion Notice which is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a Conversion Date. The Conversion Notice shall include therein the Stated Value of shares of Preferred Stock to be converted, and a calculation (a) of the Stock Dividend Price, (b) the Conversion Price, and (c) the number of Shares of Common Stock to be issued in connection with such conversion. The Corporation shall have the right to review the calculations included in the Conversion Notice, and shall provide notice of any discrepancy or dispute therewith within three (3) business days of the receipt thereof. The Holder shall deliver to the Corporation an original Conversion Notice and the original Preferred to be converted within three (3) business days from the date of the Conversion Notice.

(d) **Issuance of Certificates - Time Conversion Effected.** Promptly, but in no event more than six (6) business days, after the receipt by facsimile of the Conversion Notice referred to in Subparagraph (5)(c); and provided within the six (6) business days the Corporation receives the certificate or certificates for the shares of Preferred Stock to be converted, the Corporation shall issue and deliver, or cause to be issued and delivered, to the Holder, registered in the name of the Holder, a certificate or certificates for the number of whole shares of Common Stock into which such shares of Preferred Stock are converted. Such conversion shall be deemed to have been effected as of the close of business on the date on which the telecopy or facsimile Conversion Notice shall have been received by the Corporation, and the rights of the Holder of such share or shares of Preferred Stock shall cease, at such time, and the Holder or Holders shall be deemed to have become the Holder or Holders of record of the shares of Common Stock represented thereby. In the event that the shares of Common Stock issuable upon conversion of the Preferred, is not delivered within six (6) business days of the date the Company receives the Conversion Notice, the Company shall pay to the Buyer, by wire transfer, as liquidated damages for such failure and not as a penalty, for each \$100,000 of Preferred sought to be converted, \$500 for each of the first five (5) calendar days and \$1,000 per calendar day thereafter that the shares of Common Stock are not delivered, which liquidated damages shall begin to run from the seventh (7th) business day after the Conversion Date. Any and all payments required pursuant to this paragraph shall be payable only in cash. Notwithstanding the above, liquidated damages shall not exceed \$2,000.00 per day. In addition to the liquidated damages set forth herein, in the event the Company fails to deliver the shares of Common Stock within six (6) business days after the Conversion date, the Company agrees to issue the larger number of shares of Common Stock derived from (i) the original Conversion Notice, or (ii) utilizing the five lowest closing bid prices of the Company's shares of Common Stock beginning on the Conversion Date and ending on the day the shares of Common Stock are delivered. The Company understands that a delay in the issuance of the shares of Common Stock could result in economic loss to the Holder. Nothing contained herein, or in the Preferred shall limit the Holder's rights to pursue actual damages for the Company's failure to issue and deliver shares of Common Stock to the Holder in accordance with the terms of the Certificate of Designations, and this Agreement.

(e) **Fractional Shares of Common Stock.** No fractional shares of Common Stock shall be issued upon conversion of any Preferred Stock into shares of Common Stock. All fractional shares of Common Stock shall be aggregated and then rounded down to the nearest whole share of Common Stock. In case the number of shares of Preferred Stock represented by the certificate or certificates surrendered pursuant to Subparagraph 5(b) exceeds the number of shares of Common Stock converted, the Corporation shall, upon such conversion, execute and deliver to the Holder, at the expense of the Corporation, a new certificate or certificates for the number of shares of Preferred Stock represented by the certificate or certificates surrendered which are not to be converted.

(f) **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the “Merger”), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the “Sale”), and such Merger or Sale becomes effective (x) while any shares of Preferred Stock are outstanding and prior to the date that the Corporation’s Registration Statement covering all the shares of Common Stock issuable upon the conversion of the Preferred Stock is declared effective by the U.S. Securities and Exchange Commission (“Commission”), the Corporation or such successor corporation as the case may be, shall make appropriate provision so that the Holder of each share of Preferred Stock then outstanding shall have the right to convert such share of Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 5.

In the event of a Merger or Sale, where the Corporation is not the surviving Corporation, the Holder shall have the right to redeem all of the outstanding shares of Preferred Stock at 120% of the Liquidation Value of each share of Preferred Stock then outstanding plus all accrued and unpaid dividends (the "Redemption Amount"). The Corporation shall pay this Redemption Amount in cash within ten (10) business days of receipt by the Corporation of notice from the Holder, and receipt by the Corporation of all outstanding shares of Preferred Stock duly endorsed by the Holder to the Corporation.

(g) Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Preferred Stock are issued and outstanding shall declare or pay, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

(h) Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of Common Stock of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination or shares of Common Stock provided for in Section 5(g) hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Preferred Stock would otherwise have been entitled to receive, a number of shares of Common Stock of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Preferred Stock immediately before that change.

6. Assignment.

Subject to all applicable restrictions on transfer, the rights and obligations of the Corporation and the Holder of the Preferred Stock shall be binding upon and benefit the successors, assigns, heirs, administrators, and transferees of the parties.

7. Shares of Common Stock to be Reserved.

The Corporation, upon the effective date of this Certificate of Designations, has a sufficient number of shares of Common Stock available to reserve for issuance upon the conversion of all outstanding shares of Preferred Stock, pursuant to the terms and conditions set forth in Section 5, and exercise of the Warrants as defined in Section 11. The Corporation will at all times reserve and keep available out of its authorized shares of Common Stock, solely for the purpose of issuance upon the conversion of Preferred Stock, and exercise of the Warrants, as herein provided, such number of shares of Common Stock as shall then be issuable upon the conversion of all outstanding shares of Preferred Stock, and exercise of the Warrants. The Corporation covenants that all shares of Common Stock which shall be so issued shall be duly and validly issued, fully paid and non assessable. The Corporation will take such action as may be required, if the total number of shares of Common Stock issued and issuable after such action upon conversion of the Preferred Stock, and exercise of the Warrants would exceed the total number of shares of Common Stock then authorized by the Corporation's Certificate of Incorporation, as amended, or would exceed 19.99% of the shares of Common Stock then outstanding if required by law or the Rules and Regulations of NASDAQ or the National Securities Exchange applicable to the Corporation to take such action as a result of exceeding such 19.99%, in order to increase the number of shares of Common Stock to permit the Corporation to issue the number of shares of Common Stock required to effect conversion of the Preferred, and exercise of the Warrants, to a number sufficient to permit conversion of the Preferred Stock, and exercise of the Warrants, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to the Corporation's Restated Certificate of Incorporation, and to obtain shareholders approval in order to effect conversion of the Preferred Stock, and exercise of the Warrants, if required by law or the rules or regulations of the NASDAQ or National Securities Exchange applicable to the Corporation.

7(a) Shareholder Approval. In connection with the issuance to the Holder of the shares of Preferred Stock, pursuant to this Certificate of Designations, the Corporation is also issuing (i) certain warrants ("RBB Warrants") to the Holder pursuant to the terms of that certain Private Securities Subscription Agreement dated June 30th, 1998 (the "Agreement"), providing for the purchase of up to 150,000 shares of Common Stock at an exercise price of \$2.50 per share and (ii) certain warrants (collectively, the "Liviakis Warrants") to Liviakis Financial Communication, Inc. ("Liviakis") and Robert B. Prag providing for the purchase of up to an aggregate of 2,500,000 shares of Common Stock at an exercise price of \$1 .875 per share pursuant to the terms of that Placement and Consulting Agreement dated June 30th, 1998, between Liviakis and the Corporation.

If (i) the aggregate number of shares of Common Stock issued by the Corporation as a result of any or all of the following: (a) conversion of the Preferred Stock, (b) payment of dividends accrued on the Preferred Stock (c) exercise of the RBB Warrants, and (d) exercise of the Liviakis Warrants exceeds 2,388,347 shares of Common Stock (which equals 19.9% of the outstanding shares of Common Stock of the Corporation as of the date of this Certificate of Designations) and (ii) the Holder has converted or elects to convert any of the then outstanding shares of Preferred Stock pursuant to the terms of this Section 5 at a Conversion Price less than \$1.875 (\$1.875 the market value per share of Common Stock as quoted on the NASDAQ as of the close of business on June 30th, 1998) pursuant to the terms of Section 5(b) hereof, other than if the Conversion Price is less than \$1.875 solely as a result of the anti-dilution provisions of Section 5(g) and (h) hereof, then, notwithstanding anything in Section 5 to the contrary, the Corporation shall not issue any shares of Common Stock as a result of receipt of a Conversion Notice unless and until the Corporation shall have obtained approval of its shareholders entitled to vote on the transactions in accordance with subparagraphs (25)(H)(i)d, (iv) and (v) of Rule 4310 of the NASDAQ Marketplace Rules ("Shareholder Approval").

If Shareholder Approval is required as set forth in the above paragraph, the Corporation shall take all necessary steps to obtain such Shareholder Approval upon receipt of the Conversion Notice triggering the need for Shareholder Approval ("Current Conversion Notice"). If the Corporation has not received from the Holder a Current Conversion Notice, the Holder, subsequent to January 1st, 1999 may, if the Corporation's shares of Common Stock trade, subsequent to January 1st, 1999, at a five (5) day average closing bid price below Two Dollars and 34/00 (\$2.34), upon written notice to the Corporation, require the Corporation to obtain Shareholder Approval ("Holder's Notice"). The Holder and the Corporation's officers and directors covenant to vote all shares of Common Stock over which they have voting control in favour of Shareholder Approval. If the Corporation does not obtain Shareholder Approval within ninety (90) days of the earlier of the Corporation's receipt of (i) the Current Conversion Notice or (ii) the Holder's Notice, and the Holder has not breached its covenant to vote all shares of Common Stock over which they have voting control in favour of Shareholder Approval, the Corporation shall pay in cash to the Holder liquidated damages, in an amount of 4% per month of the Liquidation Value of each share of Preferred Stock then outstanding, commencing on the 91st day of the Corporation's receipt of the Holder's Current Conversion Notice, and continuing every thirty (30) days pro-rata until such time the Corporation receives Shareholder Approval.

8. No Reissuance of Series 10 Class J Convertible Preferred Stock.

Shares of Preferred Stock which are converted into shares of Common Stock as provided herein shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred stock hereafter created.

9. Closing of Books.

The Corporation will at no time close its transfer books against the transfer of any Preferred Stock or of any shares of Common Stock issued or issuable upon the conversion of any shares of Common Stock of Preferred Stock in any manner which interferes with the timely conversion of such Preferred Stock, except as may otherwise be required to comply with applicable securities laws.

10. No Preemptive Rights.

The Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

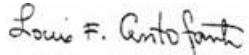
11. Definition of Shares.

As used in this Certificate of Designations, the term "shares of Common Stock" shall mean and include the Corporation's authorized common stock, par value \$.001, as constituted on the date of filing of these terms of the Preferred Stock, or in case of any reorganization, reclassification, or stock split of the outstanding shares of Common Stock thereof, the stock, securities or assets provided for hereof. The term "Warrants" as used herein shall have the same meaning as defined in Section 1 of the Private Securities Subscription Agreement, dated June 30th 1998, between the Company and RBB Bank Aktiengesellschaft.

The said determination of the designations, preferences and relative, participating, optional or other rights, and the qualifications, limitations or restrictions thereof, relating to the Preferred Stock was duly made by the Board of Directors pursuant to the provisions of the Corporation's Restated Certificate of Incorporation and in accordance with the provisions of the Delaware General Corporation Law.

IN WITNESS HEREOF, this Certificate of Designations has been signed by:

Dr. Louis F. Centofanti, President on this 30th day of June, 1998.



President, Perma-Fix Environmental Services, Inc.

Richard T. Kelecny, Secretary on this 30th day of June, 1998



Secretary, Perma-Fix Environmental Services, Inc.

**CERTIFICATE OF ELIMINATION
OF
SERIES 6 CLASS F CONVERTIBLE PREFERRED STOCK
AND
SERIES 7 CLASS G CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC. a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of Series 6 Class F Convertible Preferred Stock of the Corporation (the "Series 6 Preferred") was filed with the Delaware Secretary of State on November 13, 1997 (the "Series 6 Certificate of Designations").
2. That all outstanding shares of the Series 6 Preferred have been delivered to the Company and exchanged upon agreement with the holder thereof pursuant to the terms and conditions of a certain Second RBB Exchange Agreement between the Company and RBB Bank Aktiengesellschaft, dated effective as of February 28, 1998.
3. That no shares of Series 6 Preferred remain outstanding.
4. That all shares of the Series 6 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
5. That effective February 28, 1998, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 6 Class F Convertible Preferred Stock, no authorized shares of Series 6 Class F Convertible Preferred Stock will remain outstanding and no shares of Series 6 Class F Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 6 Class F Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 6 Class F Convertible Preferred Stock.

6. That the Certificate of Designations of the Series 7 Class G Convertible Preferred Stock of the Corporation (the "Series 7 Preferred") was filed on November 13, 1997 (the "Series 7 Certificate of Designations").

7. That all outstanding shares of the Series 7 Preferred have been delivered to the Company and exchanged upon agreement with the holder thereof pursuant to the terms and conditions of a certain Exchange Agreement between the Company and The Infinity Fund, L. P. dated effective as of February 28, 1998.

8. That no shares of Series 7 Preferred remain outstanding.

9. That all shares of the Series 7 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

10. That effective February 28, 1998, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 7 Class G Convertible Preferred Stock, no authorized shares of Series 7 Class G Convertible Preferred Stock will remain outstanding and no shares of Series 7 Class G Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 7 Class G Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 7 Class G Convertible Preferred Stock.

11. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series 6 Class F Convertible Preferred Stock and the Series 7 Class G Convertible Preferred Stock.

IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 30th day of April, 1998, by the President of the Company.

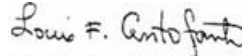
PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecy, Secretary

(SEAL)

BY



Dr. Louis F. Centofanti, President

**CERTIFICATE OF DESIGNATIONS
OF SERIES 8 CLASS H CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 8 Class H Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 8 Class H Convertible Preferred Stock as set forth in the attached resolutions.

Dated: April 30th, 1998

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By: _____

Louis F. Centofanti

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:

Richard T. Kelecy

Richard T. Kelecy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 8 CLASS H CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation's capital includes preferred stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 8 Class H Convertible Preferred Stock, par value \$.001 per share (the "Series 8 Class H Preferred Stock");

NOW, THEREFORE, BE IT RESOLVED, that the Series 8 Class H Preferred Stock shall consist of two thousand five hundred (2,500) shares and no more and shall be designated as the Series 8 Class H Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 8 Class H Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights

1.1 **Voting Rights**. Except as otherwise provided in Part 7 hereof or under Section 242(b)(2) of the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 8 Class H Preferred Stock shall have no voting rights whatsoever. To the extent that under Section 242(b)(2) of the GCL or Part 7 hereof, the holders of the Series 8 Class H Preferred Stock are entitled to vote on a matter, each share of the Series 8 Class H Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 8 Class H Preferred Stock. Holders of the Series 8 Class H Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation's bylaws and applicable statutes.

1.2 **No Preemptive Rights**. The Series 8 Class H Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2-liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 8 Class H Preferred Stock shall be outstanding, the holders of the then outstanding Series 8 Class H Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1.000 consideration per outstanding share of Series 8 Class H Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 8 Class H Preferred Stock, as provided In this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 8 Class H Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 8 Class H Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 8 Class H Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 8 Class H Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 8 Class H Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 8 Class H Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3- Dividends. The holders of the Series 8 Class H Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 8 Class H Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 8 Class H Preferred Stock shall be \$1,000 per outstanding share of the Series 8 Class H Preferred Stock (the "Liquidation Value"). The dividend is payable semi annually within seven (7) business days after each of December 31 and June 30 of each year, commencing June 30, 1998 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 8 Class H Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 8 Class H Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from March 1, 1998. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 8 Class H Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid and the denominator of which is 365. Dividends on the Series 8 Class H Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 8 Class H Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 8 Class H Preferred Stock shall have rights to convert the shares of Series 8 Class H Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 The Series 8 Class H Preferred Stock shall be convertible into shares of Common Stock at any time.

4.2 Conversion Price. Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 8 Class H Preferred Stock shall be \$1.8125, except that, in the event the average closing bid price per share of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days prior to the particular date of conversion shall be less than \$2.265, the Conversion Price for only such particular conversion shall be the product of the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below in connection with such conversion multiplied by eighty percent (80%). Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 8 Class H Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 8 Class H Preferred Stock so surrendered for conversion by (b) the Conversion Price of such conversion. At the time of conversion of shares of the Series 8 Class H Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of whole shares or Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 8 Class H Preferred Stock so converted divided by the Stock Dividend Price, as defined in Part 3 hereof, in effect at the date of conversion.

4.3 Mechanics of Conversion. Any holder of the Series 8 Class H Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series B Class H Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 8 Class H Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 8 Class H Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 8 Class H Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrendered of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"). and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion of the Series 8 Class H Preferred Stock within seven (7) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3 ("Seven (7) Business Day Period"), then, upon the written demand of RBB Bank Aktiengesellschaft ("RBB Bank"), the holder of the Series 8 Class H Preferred Stock, for payment of the penalty described below in this Section 4.3, which demand must be received by the Corporation no later than ten (10) calendar days after the expiration of such Seven (7) Business Day Period, the Corporation shall pay to RBB Bank the following penalty for each business day after the Seven (7) Business Day Period until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion: business day eight (8) - U.S. \$1,000; business day nine (9) - U.S. \$2,000, and each business day thereafter an amount equal to the penalty due on the immediately preceding business day times two (2) until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion.

4.4 Merger or Consolidation. In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 8 Class H Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement covering up to 1,379,311 shares of Common Stock issuable upon the conversion of the Series 8 Class H Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 8 Class H Preferred Stock then outstanding shall have the right to convert such share of Series 8 Class H Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 8 Class H Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustment which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

4.5 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock If the Corporation at any time or from time to time while shares of Series 8 Class H Preferred stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or If the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

4.6 Adjustments for Reclassification and Reorganization. If the common Stock issuable upon conversion of the Series 8 Class H Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 8 Class H Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 8 Class H Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 8 Class H Preferred Stock immediately before that change.

4.7 Common Stock Duly Issued. All Common Stock which may be issued upon conversion of Series 8 Class H Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.8 Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 8 Class H Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.9 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 8 Class H Preferred Stock pursuant thereto; ~~provided, however,~~ that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 8 Class H Preferred Stock in connection with such conversion.

4.10 **Reservation of Stock Issuable Upon Conversion** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 8 Class H Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 8 Class H Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 8 Class H Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.11 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 8 Class H Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 8 Class H Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 8 Class H Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.13 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from June 9, 1997, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 8 Class H Preferred Stock at the following cash redemption prices per share (the "Redemption Price") if redeemed during the following periods: (a) within four year from June 9, 1997 - \$1,300 per share, if at any time during such four year period the average of the closing bid price of the Common Stock for ten consecutive trading days shall be in excess of Four Dollars (\$4.00) per share, and (b) after four years from June 9, 1997 - \$1,000 per share.

5.2 **Mechanics of Redemption.** Thirty days prior to any date stipulated by the Corporation for the redemption of Series 8 Class H Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 8 Class H Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 8 Class H Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instruction for surrender to the Corporation, in the manner and at the place designated, of a share certificates or share certificates representing the number of Series 8 Class H Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 8 Class H Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first 180 days from the date of issuance of the Series 8 Class H Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 **Rights of Conversion Upon Redemption.** If the redemption occurs after the first 180 days after the first issuance of Series 8 Class H Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 8 Class H Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 8 Class H Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, such holder shall have the right to convert into Common Stock that number of Series 8 Class H Preferred Stock called for redemption in the Redemption Notice.

5.4 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 8 Class H Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 8 Class H Preferred Stock which are not being redeemed to be registered in the name of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.5 **Payment.** On the Redemption Date in respect of any Series 8 Class H Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 8 Class H Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 8 Class H Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 8 Class H Preferred Stock and Priority.

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 8 Class H Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

- 6.2.1 Prior or senior to the shares of this Series 8 Class H Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 8 Class H Preferred Stock;

- 6.2.2 On a parity with, or equal to, shares of this Series B Class H Preferred Stock, either as to dividend or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 8 Class H Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holder of such stock and the holders of shares of this Series 8 Class H Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 8 Class H Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 8 Class H Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7-Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 8 Class H Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 8 Class H Preferred Stock or written consent by the holders of a majority of the Series 8 Class H Preferred Stock then outstanding. Notwithstanding the above or the provisions of Section 242(b)(2) of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242(b)(2) of the GCL.

7.2 **Authorized.** Any shares of Series 8 Class H Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 9 CLASS I CONVERTIBLE PREFERRED STOCK OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the “Corporation”), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 9 Class I Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 9 Class I Convertible Preferred Stock as set forth in the attached resolutions.

Dated: April 30th, 1998

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

Louis F. Antofant

By

Dr. Louis F. Centofanti Chairman of the Board
Chairman of the Board

ATTEST:

Chas. K. K.

Richard T. Kelecy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 9 CLASS I CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation's capital includes preferred stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 9 Class I Convertible Preferred Stock, par value \$.001 per share (the "Series 9 Class I Preferred Stock");

NOW, THEREFORE, BE IT RESOLVED, that the Series 9 Class I Preferred Stock shall consist of three hundred (350) shares and no more and shall be designated as the Series 9 Class I Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 9 Class I Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except as otherwise provided in Part 7 hereof or under Section 242(b)(2) of the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 9 Class I Preferred Stock shall have no voting rights whatsoever. To the extent that under Section 242(b)(2) of the GCL or Part 7 hereof, the holders of the Series 9 Class I Preferred Stock are entitled to vote on a matter, each share of the Series 9 Class I Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 9 Class I Preferred Stock. Holders of the Series 9 Class I Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation's bylaws and applicable statutes. If the holders of the Series 9 Class I Preferred Stock are required to vote under Section 242(b)(2) of the GCL as a result of the number of authorized shares of any such class or classes of stock being increased or decreased, the number of authorized shares of any of such class or classes of stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, irrespective of the provisions of Section 242(b)(2) of the GCL.

1.2 **No Preemptive Rights.** The Series 9 Class I Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 9 Class I Preferred Stock shall be outstanding, the holders of the then outstanding Series 9 Class I Preferred Stock shall be entitled to receive out of the assets of the Corporation available for distribution to shareholders an amount equal to \$1,000 consideration per outstanding share of Series 9 Class I Preferred Stock, and no more, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board of Directors, before any payment shall be made or any assets distributed to the holders of the Corporation's Common Stock.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 9 Class I Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 9 Class I Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 9 Class I Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 9 Class I Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 9 Class I Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 9 Class I Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 9 Class I Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 9 Class I Preferred Stock are entitled to receive if, when and as declared by the Board of Directors of the Corporation (the "Board") out of funds legally available therefor, cumulative annual dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 9 Class I Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 9 Class I Preferred Stock shall be \$1,000 per outstanding share of the Series 9 Class I Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing June 30, 1998 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 9 Class I Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 9 Class I Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from March 1, 1998. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 9 Class I Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid and the denominator of which is 365. Dividends on the Series 9 Class I Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 9 Class I Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 9 Class I Preferred Stock shall have rights to convert the shares of Series 9 Class I Preferred Stock into shares of the Corporation's Common Stock, as follows (the "Conversion Rights"):

4.1 **Right to Convert.** The Series 9 Class I Preferred Stock shall be convertible into shares of Common Stock at any time.

4.2 **Conversion Price.** Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 9 Class I Preferred Stock shall be \$1.8125, except that, in the event the average closing bid price per share of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days prior to the particular date of conversion shall be less than \$2.265, the Conversion Price for only such particular conversion shall be the product of the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below in connection with such conversion multiplied by eighty percent (80%). Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$.75 per share ("Minimum Conversion Price"), which Minimum Conversion Price shall be eliminated from and after September 6, 1998. If any of the outstanding shares of Series 9 Class I Preferred Stock we converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 9 Class I Preferred Stock so surrendered for conversion by (b) the Conversion Price as of such conversion. At the time of conversion of shares of the Series 9 Class I Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of whole shares of Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 9 Class I Preferred Stock so converted divided by the Stock Dividend Price, as defined in Part 3 hereof, in effect at the date of conversion.

- 4.3 **Mechanics of Conversion.** Any holder of the Series 9 Class I Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). The Corporation shall, within seven (7) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 9 Class I Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 9 Class I Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 9 Class I Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received.
- 4.4 **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 9 Class I Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement covering up to 200,000 shares of Common Stock issuable upon the conversion of the Series 9 Class I Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 9 Class I Preferred Stock then outstanding shall have the right to convert such share of Series 9 Class I Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 9 Class I Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

- 4.5 **Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock.** If the Corporation at any time or from time to time while shares of Series 9 Class I Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.
- 4.6 **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Series 9 Class I Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 9 Class I Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 9 Class I Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 9 Class I Preferred Stock immediately before that change.
- 4.7 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 9 Class I Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

- 4.8 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 9 Class I Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.
- 4.9 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 9 Class I Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 9 Class I Preferred Stock in connection with such conversion.
- 4.10 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 9 Class I Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 9 Class I Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 9 Class I Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.
- 4.11 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 9 Class I Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 9 Class I Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.
- 4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 9 Class I Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.
- 4.13 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

- 5.1 **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, after the expiration of one (1) year from the date of the first issuance of the Series 9 Class I Preferred Stock, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 9 Class I Preferred Stock at the following cash redemption prices per share (the "Redemption Price") if redeemed during the following periods: (a) within four (4) years from the date of the first issuance of Series 9 Class I Preferred Stock - \$1,300 per share, if at any time during such four (4) year period the average of the closing bid price of the Common Stock for ten (10) consecutive trading days shall be in excess of Four U.S. Dollars (\$4.00) per share, and (b) after four (4) years from the date of the first issuance of Series 9 Class I Preferred Stock - \$1,000 per share.
- 5.2 **Mechanics of Redemption.** Thirty (30) days prior to any date stipulated by the Corporation for the redemption of Series 9 Class I Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 9 Class I Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 9 Class I Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 9 Class I Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 9 Class I Preferred Stock to be redeemed as provided in this Part 5.
- 5.3 **Rights of Conversion Upon Redemption.** If the redemption occurs after the first one hundred eighty (180) days after the first issuance of Series 9 Class I Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 9 Class I Preferred Stock shall have the option, at its sole election, to specify what portion of its Series 9 Class I Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Pan 4 hereof.
- 5.4 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 9 Class I Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 9 Class I Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

- 5.5 **Payment.** On the Redemption Date in respect of any Series 9 Class I Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U. S. \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 9 Class I Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 9 Class I Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 9 Class I Preferred Stock and Priority.

- 6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 9 Class I Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.
- 6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:
- 6.2.1 Prior or senior to the shares of this Series 9 Class I Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 9 Class I Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 9 Class I Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 9 Class I Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 9 Class I Preferred Stock; and,

- 6.2.3 Junior to shares of this Series 9 Class I Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 9 Class I Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Reissue.

- 7.1 **Authorized.** Any shares of Series 9 Class I Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 11 CLASS K CONVERTIBLE PREFERRED STOCK OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

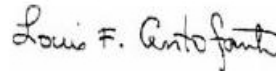
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 11 Class K Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 11 Class K Convertible Preferred Stock as set forth in the attached resolutions.

Dated: July 15, 1999

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelecny, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 11 CLASS K CONVERTIBLE PREFERRED STOCK**

WHEREAS,

- A. The Corporation’s share capital includes Preferred Stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series by the Board of Directors of the Corporation (The “Board”) being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences, and relative, participating, optional or other special rights, privileges, restrictions and conditions attaching to the shares of each such series; and
- B. It is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 11 Class K Convertible Preferred Stock, par value \$.001.

NOW, THEREFORE, BE IT RESOLVED, THAT:

The Series 11 Class K Convertible Preferred Stock, par value \$.001 (the “Series 11 Class K Preferred Stock”) of the Corporation shall consist of 1,769 shares and no more and shall be designated as the Series 11 Class K Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 11 Class K Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except as otherwise provided herein, in the Corporation’s Certificate of Incorporation (the “Articles”) or the General Corporation Law of the State of Delaware (the “GCL”), the holders of the Series 11 Class K Preferred Stock shall have no voting rights whatsoever. To the extent that under the GCL the vote of the holders of the Series 11 Class K Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 11 Class K Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 11 Class K Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL the holders of the Series 11 Class K Preferred Stock are entitled to vote on a matter with holders of Corporation’s Common Stock and/or any other class or series of the Corporation’s voting securities, the Series 11 Class K Preferred Stock, the Corporation’s Common Stock and all other classes or series of the Corporation’s voting securities shall vote together as one class, with each share of Series 11 Class K Preferred Stock entitled to a number of votes equal to the number of shares of the Corporation’s Common Stock into which it is then convertible using the record date for the taking of such vote of stockholders as the date as of which the Conversion Price (as defined in Section 4.2 hereof) is calculated and conversion is effected. Holders of the Series 11 Class K Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation’s bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 11 Class K Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 11 Class K Preferred Stock shall be outstanding, the holders of the then outstanding Series 11 Class K Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 11 Class K Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 11 Class K Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 11 Class K Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 11 Class K Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 11 Class K Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 11 Class K Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 11 Class K Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 11 Class K Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 11 Class K Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), at the Corporation's election, at the rate of six percent (6%) per annum of the Liquidation Value of the Series 11 Class K Preferred Stock. The Liquidation Value of the Series 11 Class K Preferred Stock shall be \$1,000.00 per share (the "Dividend Rate"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1996 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 11 Class K Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of issuance of the Series 11 Class K Preferred Stock. In the event that the Corporation elects to pay dividends in Common Stock of the Corporation, each holder of the Series 11 Class K Preferred Stock shall receive shares of Common Stock of the Corporation equal to the quotient of (i) the Dividend Rate in effect on the applicable Dividend Declaration Date divided by (ii) the average of the closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"). Dividends on the Series 11 Class K Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 11 Class K Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 11 Class K Preferred Stock shall have rights to convert the shares of Series 11 Class K Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **No Right to Convert.** The Series 11 Class K Preferred shall not be convertible into shares of Common Stock until after July 15, 2000.

4.2 **Right to Convert.** The Series 11 Class K Preferred Stock may be convertible into shares of Common Stock at any time on or after July 15, 2000.

4.3 **Conversion Price.** As used herein, the term Conversion Price shall be the product of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below multiplied by (ii) seventy-five percent (75%), subject to the provisions of this Section 4.3. Notwithstanding the foregoing, the Conversion Price shall not be (i) less than a minimum of \$1.50 per share for a period of twenty-four (24) months from the date of issuance of the Series 11 Class K Preferred Stock, or, after twenty-four (24) months from the date of issuance of the Series 11 Class K Preferred Stock, a minimum of \$.50 per share (as applicable, the "Minimum Conversion Price") or (ii) more than a maximum of \$1.50 per share ("Maximum Conversion Price"). If, after July 1, 1996, the Corporation sustains a net loss, on a consolidated basis, in each of two (2) consecutive quarters, as determined under generally accepted accounting principles, the Minimum Conversion Price shall be reduced \$.25 a share, but there shall be no change to, or reduction of, the Maximum Conversion Price. For the purpose of determining whether the Corporation has had a net loss in each of two (2) consecutive quarters, at no time shall a quarter that has already been considered in such determination be considered in any subsequent determination (as an example the third quarter of 1996 in which there is a net profit and the fourth quarter of 1996 in which there is a net loss shall be considered as two consecutive quarters, and, as a result, the fourth quarter of 1996 shall not be considered along with the first quarter of 1997 as two (2) consecutive quarters, but the first quarter of 1997 must be considered with the second quarter of 1997 for the purposes of such determination). For the purposes of this Section 4.2, a "quarter" is a three (3) month period ending on March 31, June 30, September 30, and December 31. If any of the outstanding shares of Series 11 Class K Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 11 Class K Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect at the date of the conversion. At the time of conversion of shares of the Series 11 Class K Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the product of dividing the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 11 Class K Preferred Stock so converted by the Conversion Price in effect at the date of conversion.

4.4 Mechanics of Conversion. Any holder of the Series 11 Class K Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 11 Class K Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. No Conversion Notice with respect to any shares of Series 11 Class K Preferred Stock can be given prior to the time such shares of Series 11 Class K Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 11 Class K Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 11 Class K Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 11 Class K Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion within five (5) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3, the Corporation shall pay to the holder U.S. \$1,000 for each day that the Corporation is late in delivering such certificate to the holder or its agent.

4.5 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Series 11 Class K Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate. If the Corporation shall declare or pay, without consideration, any dividend on the Common Stock payable in any right to acquire Common stock for no consideration, then the Corporation shall be deemed to have made a dividend payable in Common Stock in an amount of shares equal to the maximum number of shares issuable upon exercise of such rights to acquire Common Stock.

4.6. **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Series 11 Class K Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 11 Class K Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 11 Class K Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 11 Class K Preferred Stock immediately before that change.

4.7 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 11 Class K Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.8 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 11 Class K Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.9 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 11 Class K Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 11 Class K Preferred Stock in connection with such conversion.

4.10 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 11 Class K Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 11 Class K Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 11 Class K Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.11 **Fractional Shares.** No fractional share shall be issued upon the conversion of any share or shares of Series 11 Class K Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 11 Class K Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 11 Class K Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.13 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation’s Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, The then outstanding Series 11 Class K Preferred Stock at the following cash redemption prices if redeemed during the following periods: (i) within one year from July 15, 1999 - \$1,100 per share, and (ii) after one year from July 15, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,100 or \$1,200 is referred to herein as the “Redemption Price”).

5.2 **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 11 Class K Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 11 Class K Preferred Stock. The Redemption Notice shall state; (i) the Redemption Date of such shares, (ii) the number of Series 11 Class K Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 11 Class K Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 11 Class K Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first year from the date of issuance of the Series 11 Class K Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 Mechanics of Redemption. Prior to any date stipulated by the Corporation for the redemption of Series 11 Class K Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 11 Class K Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 11 Class K Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 11 Class K Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 11 Class K Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first year from the date of issuance of the Series 11 Class K Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.4 Rights of Conversion Upon Redemption. If the redemption occurs during the first 12 months after the issuance of the Series 11 Class K Preferred Stock, the holder may not convert any redeemed shares. If the redemption occurs pursuant to Section 5.1 hereof, the Holder of the Series 11 Class K Preferred Stock shall not have the right to convert those outstanding shares of Series 11 Class K Preferred Stock that the Company is redeeming after receipt of the Redemption Notice. If the redemption occurs pursuant to Section 5.2 hereof, then, upon receipt of the Redemption Notice, any holder of Series 11 Class K Preferred Stock shall have the next five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 11 Class K Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, after one year from the date of first issuance of the Series 11 Class K Preferred Stock, such holder shall have the right to convert into Common Stock that number of Series 11 Class K Preferred Stock called for redemption in the Redemption Notice.

5.5 Surrender of Certificates. On or before the Redemption Date in respect of any Series 11 Class K Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.5 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 11 Class K Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.6 **Payment.** On the Redemption Date in respect of any Series 11 Class K Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U. S. \$50,000,000, as a trust fund, a sum equal to the aggregate First Year Redemption Price or the Redemption Price, whichever is applicable, of all such shares called from redemption (less the aggregate Redemption Price for those Series 11 Class K Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 11 Class K Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the First Year Redemption Price or the Redemption Price, whichever is applicable, to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the First Year Redemption Price or the Redemption Price, whichever is applicable, of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the First Year Redemption Price or the Redemption Price, whichever is applicable, in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 11 Class K Preferred Stock and Priority.

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 11 Class K Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

6.2.1 Prior or senior to the shares of this Series 11 Class K Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 11 Class K Preferred Stock;

6.2.2 On a parity with, or equal to, shares of this Series 11 Class K Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 3 Class C Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 11 Class K Preferred Stock; and,

6.2.3 Junior to shares of this Series 11 Class K Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 11 Class K Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation would alter or change the powers, preferences or special rights of the Series 11 Class K Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Certificate of Incorporation at a duly called and held series meeting of the holders of the Series 11 Class K Preferred Stock or written consent by the holders of a majority of the Series 11 Class K Preferred Stock then outstanding. Notwithstanding the above, the number of authorized shares of any class or classes of stock may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of this Section 7.1 or the requirements of Section 242 of the GCL.

7.2 **Authorized.** Any shares of Series 11 Class K Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 12 CLASS L CONVERTIBLE PREFERRED STOCK OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

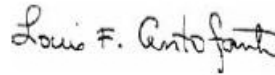
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 12 Class L Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 12 Class L Convertible Preferred Stock as set forth in the attached resolutions.

Dated: July 15, 1999

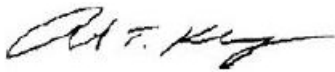
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST;



Richard T. Kelecny, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 12 CLASS L CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation’s capital includes preferred stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 12 Class L Convertible Preferred Stock, par value \$.001 per share (the “Series 12 Class L Preferred Stock”);

NOW, THEREFORE, BE IT RESOLVED, that the Series 12 Class L Preferred Stock shall consist of nine hundred sixteen (916) shares and no more and shall be designated as the Series 12 Class L Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 12 Class L Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights

1.1 **Voting Rights**. Except as otherwise provided in Part 7 hereof or under Section 242(b)(2) of the General Corporation Law of the State of Delaware (the “GCL”), the holders of the Series 12 Class L Preferred Stock shall have no voting rights whatsoever. To the extent that under Section 242(b)(2) of the GCL or Part 7 hereof, the holders of the Series 12 Class L Preferred Stock are entitled to vote on a matter, each share of the Series 12 Class L Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 12 Class L Preferred Stock. Holders of the Series 12 Class L Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation’s bylaws and applicable statutes.

1.2 **No Preemptive Rights**. The Series 12 Class L Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 12 Class L Preferred Stock shall be outstanding, the holders of the then outstanding Series 12 Class L Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 12 Class L Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 12 Class L Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 12 Class L Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 12 Class L Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 12 Class L Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 12 Class L Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 12 Class L Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 12 Class L Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends. The holders of the Series 12 Class L Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 12 Class L Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 12 Class L Preferred Stock shall be \$1,000 per outstanding share of the Series 12 Class L Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing June 30, 1998 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 12 Class L Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 12 Class L Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from March 1, 1998. In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 12 Class L Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid and the denominator of which is 365. Dividends on the Series 12 Class L Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 12 Class L Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 12 Class L Preferred Stock shall have rights to convert the shares of Series 12 Class L Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **No Right to convert.** The Series 12 Class L Preferred shall not be convertible into shares of Common Stock until after July 15, 2000.

4.2 **Right to Convert.** The Series 12 Class L Preferred Stock may be convertible into shares of Common Stock at any time after July 15, 2000.

4.3 Conversion Price. Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 12 Class L Preferred Stock shall be \$1.8125, except that, in the event the average closing bid price per share of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days prior to the particular date of conversion shall be less than \$2.265, the Conversion Price for only such particular conversion shall be the product of the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.3 below in connection with such conversion multiplied by eighty percent (80%), subject to the provisions of this Section 4.3. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$1.50 per share ("Minimum Conversion Price") for a period of twenty-four (24) months from the date of issuance of the Series 12 Class L Preferred Stock. If any of the outstanding shares of Series 12 Class L Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 12 Class L Preferred Stock so surrendered for conversion by (b) the Conversion Price as of such conversion. At the time of conversion of shares of the Series 12 Class L Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of whole shares of Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 12 Class L Preferred Stock so converted divided by the Stock Dividend Price, as defined in Part 3 hereof, in effect at the date of conversion.

4.3 Mechanics of Conversion. Any holder of the Series 12 Class L Preferred Stock who wishes to exercise its Conversion Rights pursuant to Section 4.1 of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 12 Class L Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 12 Class L Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 12 Class L Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 12 Class L Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion of the Series 12 Class L Preferred Stock within seven (7) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.3 ("Seven (7) Business Day Period"), then, upon the written demand of RBB Bank Aktiengesellschaft ("RBB Bank"), the holder of the Series 12 Class L Preferred Stock, for payment of the penalty described below in this Section 4.3, which demand must be received by the Corporation no later than ten (10) calendar days after the expiration of such Seven (7) Business Day Period, the Corporation shall pay to RBB Bank the following penalty for each business day after the Seven (7) Business Day Period until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion: business day eight (8) - U.S. \$1,000; business day nine (9) - U.S. \$2,000, and each business day thereafter an amount equal to the penalty due on the immediately preceding business day times two (2) until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion.

4.4 Merger or Consolidation. In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 12 Class L Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement covering up to 1,379,311 shares of Common Stock issuable upon the conversion of the Series 12 Class L Preferred Stock is declared effective by the U. S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.1, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 12 Class L Preferred Stock then outstanding shall have the right to convert such share of Series 12 Class L Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 12 Class L Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

4.5 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock If the Corporation at any time or from time to time while shares of Series 12 Class L Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise) or by payment of a dividend in Common Stock or in any right to acquire Common Stock, or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

4.6 Adjustments for Reclassification and Reorganization If the Common Stock issuable upon conversion of the Series 12 Class L Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.4 hereof), the Conversion Price shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 12 Class L Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 12 Class L Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 12 Class L Preferred Stock immediately before that change.

4.7 Common Stock Duly Issued All Common Stock which may be issued upon conversion of Series 12 Class L Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.8 Notice of Adjustments Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 12 Class L Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.9 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 12 Class L Preferred Stock pursuant thereto; ~~provided, however,~~ that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 12 Class L Preferred Stock in connection with such conversion.

4.10 **Reservation of Stock Issuable Upon Conversion** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 12 Class L Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 12 Class L Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 12 Class L Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.11 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 12 Class L Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 12 Class L Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 12 Class L Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.13 **Business Day.** As used herein, the term "business day" shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, (i) for a period of 120 days from the date of issuance of the Series 12 Class L Preferred Stock up to an aggregate of 300 shares of the Series 12 Class L Preferred Stock at the cash redemption price of \$1,000 per share, and (ii) the then outstanding Series 12 Class L Preferred Stock at the following cash redemption prices if redeemed during the following periods: (a) within one year from July 15, 1999 - \$1,100 per share, except as otherwise provided in (i) above and (b) after one year from July 15, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,000, \$1,100 or \$1,200 is referred to herein as the "Redemption Price").

5.2 **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 12 Class L Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 12 Class L Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 12 Class L Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 12 Class L Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 12 Class L Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first year from the date of issuance of the Series 12 Class L Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 **Rights of Conversion Upon Redemption.** If the redemption occurs during the first 12 months after the issuance of the Series 12 Class L Preferred Stock, the holder may not convert any redeemed shares. If the redemption occurs after the first twelve months after the first issuance of Series 12 Class L Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 12 Class L Preferred Stock shall have five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 12 Class L Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, after one year from the date of first issuance of the Series 12 Class L Preferred Stock, such holder shall have the right to convert into Common Stock that number of Series 12 Class L Preferred Stock called for redemption in the Redemption Notice.

5.4 Surrender of Certificates. On or before the Redemption Date in respect of any Series 12 Class L Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to me order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 12 Class L Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.5 Payment. On the Redemption Date in respect of any Series 12 Class L Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 12 Class L Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 12 Class L Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 12 Class L Preferred Stock and Priority.

6.1 Rateable Participation. If any cumulative dividends or return of capital in respect of Series 12 Class L Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

- 6.2.1 Prior or senior to the shares of this Series 12 Class L Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 12 Class L Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 12 Class L Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 12 Class L Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 12 Class L Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 12 Class L Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 12 Class L Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 12 Class L Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 12 Class L Preferred Stock or written consent by the holders of a majority of the Series 12 Class L Preferred Stock then outstanding. Notwithstanding the above or the provisions of Section 242(b)(2) of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242(b)(2) of the GCL.

7.2 **Authorized.** Any shares of Series 12 Class L Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 13 CLASS M CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

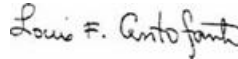
Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 13 Class M Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 13 Class M Convertible Preferred Stock as set forth in the attached resolutions.

Dated: July 15, 1999

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By



Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelec, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 13 CLASS M CONVERTIBLE PREFERRED STOCK**

RE: DESIGNATION OF SERIES 13 CLASS M PREFERRED STOCK.

RESOLVED: That The designations, powers, preferences and rights of the Series 13 Class M Convertible Preferred Stock be, and they hereby are, as set forth below:

1. Number of Shares of Common Stock of Series 13 Class M Convertible Preferred Stock

The Corporation hereby authorizes the issuance of up to two thousand two hundred fifty-two (2,252) shares of Series 13 Class M Convertible Preferred Stock par value \$.001 per share (the "Preferred Stock"). This Preferred Stock shall pay an annual dividend based on a 365 day calendar year of 4% of the Liquidation Value (as defined in Section 3 hereof) ("Dividend Rate"), payable semiannually within ten (10) business days after each subsequent June 30th and December 31st (each a "Dividend Declaration Date"), and shall be payable in cash or shares of the Corporation's par value \$.001 per share common stock (Common Stock) at the Corporation's option. The first Dividend Declaration Date shall be December 31st, 1998.

In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on the outstanding shares of Preferred Stock in Common Stock of the Corporation, the Holder of each share of Preferred Stock shall receive that number of shares of Common Stock equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange, the average closing bid price of the Common Stock as quoted on such national exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Preferred Stock shall have been paid or declared and set aside for payment.

2. Voting.

Except as provided under Section 242 of the GCL, holders of Preferred Stock (the “Holders”) shall not have the right to vote on any matter. Notwithstanding the provisions of Section 242 of the GCL or Section 4 hereof, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of Section 242 of the GCL.

3. Liquidation.

In the event of a voluntary or involuntary dissolution, liquidation, or winding up of the Corporation, the Holders of Preferred Stock shall be entitled to receive out of the assets of the Corporation legally available for distribution to holders of its capital stock, before any payment or distribution shall be made to holders of shares of Common Stock or any other class of stock ranking junior to the Preferred Stock, an amount per share of Preferred Stock equal to \$1,000 (the “Liquidation Value”) plus any accrued and unpaid dividends on the Preferred Stock. If upon such liquidation, dissolution, or winding up of the Corporation, whether voluntary or involuntary, the assets to be distributed among the Holders of Preferred Stock shall be insufficient to permit payment to the Holders of Preferred Stock of the amount distributable as aforesaid, then the entire assets of the Corporation to be so distributed shall be distributed ratably among the Holders of Preferred Stock and shares of such other classes or series ranking on a parity with the shares of this Preferred Stock in proportion to the full distributable amounts for which holders of all such parity shares are entitled upon such distribution, liquidation, or winding up. Upon any such liquidation, dissolution or winding up of the Corporation, after the Holders of Preferred Stock shall have been paid in full the amounts to which they shall be entitled, the remaining net assets of the Corporation may be distributed to the holders of stock ranking on liquidation junior to the Preferred Stock and the Holders of the Preferred Stock shall have no right or claim to any of the remaining assets of the Corporation. Written notice of such liquidation, dissolution or winding up, stating a payment date, the amount of the liquidation payments and the place where said liquidation payments shall be payable, shall be given by mail, postage prepaid or by telex or facsimile to non-U.S. residents, not less than 10 days prior to the payment date stated therein, to the Holders of record of Preferred Stock, such notice to be addressed to each such Holder at its address as shown by the records of the Corporation. For purposes hereof the shares of Common Stock, shall rank on liquidation junior to the Preferred Stock.

4. Restrictions.

The Corporation will not amend or modify the terms of its Restated Certificate of Incorporation so as to adversely alter or change the Preferred Stock at any time when shares of Preferred Stock are outstanding, without the approval of the Holders of at least a majority of the then outstanding shares of Preferred Stock given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a series, except where the vote or written consent of the Holders of a greater number of shares of Common Stock of the Corporation is required by law or by the Corporation’s Certificate of Incorporation, as amended.

5. Optional Conversion.

The Holders of shares of Preferred Stock shall have the following conversion rights to convert the shares of Preferred Stock into shares of Common Stock of the Corporation:

(a) **No Right to Convert.** The Preferred Stock shall not be convertible into shares of Common Stock until after July 15, 2000.

(b) **Conversion Dates.** The Preferred Stock may be convertible into shares of Common Stock at any time after July 15, 2000.

(c) **Right to Convert; Conversion Price.** Subject to the terms hereof, as used herein, the term Conversion Price per outstanding share of Preferred Stock shall be One Dollar and 875/100 (\$1.875); except that after the expiration of one hundred and eighty (180) days after the Closing Date if the average of the closing bid price per share of Common Stock quoted on the NASDAQ (or the closing bid price of the Common Stock as quoted on the national securities exchange if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange) for the five (5) trading days immediately prior to the particular date of each Conversion Notice (as defined below) is less than Two Dollars and 34/100 (\$2.34), then the Conversion Price for that particular conversion shall be eighty percent (80%) of the average of the closing bid price of the Common Stock on the NASDAQ (or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange then eighty percent (80%) of the average of the closing bid price of the Common Stock on the national securities exchange) for the five (5) trading days immediately prior to the particular date of the Conversion Notice. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$1.50 per share ("Minimum Conversion Price") for a period of twenty-four (24) months from the date of issuance of the Preferred Stock.

If any of the outstanding shares of Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Section 5(b), the number of shares of whole Common Stock to be issued to the Holder as a result of such conversion shall be determined by dividing (a) the aggregate Stated Value of the Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect on the date of that particular Conversion Notice relating to such conversion. At the time of conversion of shares of the Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon on the shares of Preferred so converted to the date of the Conversion Notice relating to such conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of the Conversion Notice relating to such conversion of the shares of Preferred Stock so converted divided by the Stock Dividend Price, in effect at the date of the Conversion Notice relating to such conversion.

(c) **Conversion Notice.** The right of conversion shall be exercised by the Holder thereof by telecopying or faxing an executed and completed written notice signed by an authorized representative of the Holder, ("Conversion Notice") to the Corporation that the Holder elects to convert a specified number of shares of Preferred Stock representing a specified Stated Value thereof into shares of Common Stock and by delivering by express courier the certificate or certificates of Preferred Stock being converted to the Corporation at its principal office (or such other office or agency of the Corporation as the Corporation may designate by notice in writing to the Holders of the Preferred Stock). The business date indicated on a Conversion Notice which is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a Conversion Date. The Conversion Notice shall include therein the Stated Value of shares of Preferred Stock to be converted, and a calculation (a) of the Stock Dividend Price, (b) the Conversion Price, and (c) the number of Shares of Common Stock to be issued in connection with such conversion. The Corporation shall have the right to review the calculations included in the Conversion Notice, and shall provide notice of any discrepancy or dispute therewith within three (3) business days of the receipt thereof. The Holder shall deliver to the Corporation an original Conversion Notice and the original Preferred to be converted within three (3) business days from the date of the Conversion Notice.

(d) **Issuance of Certificates - Time Conversion Effected.** Promptly, but in no event more than six (6) business days, after the receipt by facsimile of the Conversion Notice referred to in Subparagraph (5)(c); and provided within the six (6) business days the Corporation receives the certificate or certificates for the shares of Preferred Stock to be converted, the Corporation shall issue and deliver, or cause to be issued and delivered, to the Holder, registered in the name of the Holder, a certificate or certificates for the number of whole shares of Common Stock into which such shares of Preferred Stock are converted. Such conversion shall be deemed to have been effected as of the close of business on the date on which the telecopy or facsimile Conversion Notice shall have been received by the Corporation, and the rights of the Holder of such share or shares of Preferred Stock shall cease, at such time, and the Holder or Holders shall be deemed to have become the Holder or Holders of record of the shares of Common Stock represented thereby.

In the event that the shares of Common Stock issuable upon conversion of the Preferred, is not delivered within six (6) business days of the date the Company receives the Conversion Notice, the Company shall pay to the Buyer, by wire transfer, as liquidated damages for such failure and not as a penalty, for each \$100,000 of Preferred sought to be converted, \$500 for each of the first five (5) calendar days and \$1,000 per calendar day thereafter that the shares of Common Stock are not delivered, which liquidated damages shall begin to run from the seventh (7th) business day after the Conversion Date. Any and all payments required pursuant to this paragraph shall be payable only in cash. Notwithstanding the above, liquidated damages shall not exceed \$2,000.00 per day. In addition to the liquidated damages set forth herein, in the event the Company fails to deliver the shares of Common Stock within six (6) business days after the Conversion date, the Company agrees to issue the larger number of shares of Common Stock derived from (i) the original Conversion Notice, or (ii) utilizing the five lowest closing bid prices of the Company's shares of Common Stock beginning on the Conversion Date and ending on the day the shares of Common Stock are delivered. The Company understands that a delay in the issuance of the shares of Common Stock could result in economic loss to the Holder. Nothing contained herein, or in the Preferred shall limit the Holder's rights to pursue actual damages for the Company's failure to issue and deliver shares of Common Stock to the Holder in accordance with the terms of the Certificate of Designations, and this Agreement.

(e) **Fractional Shares of Common Stock.** No fractional shares of Common Stock shall be issued upon conversion of any Preferred Stock into shares of Common Stock. All fractional shares of Common Stock shall be aggregated and then rounded down to the nearest whole share of Common Stock. In case the number of shares of Preferred Stock represented by the certificate or certificates surrendered pursuant to Subparagraph 5(b) exceeds the number of shares of Common Stock converted, the Corporation shall, upon such conversion, execute and deliver to the Holder, at the expense of the Corporation, a new certificate or certificates for the number of shares of Preferred Stock represented by the certificate or certificates surrendered which are not to be converted.

(f) **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the “Merger”), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the “Sale”), and such Merger or Sale becomes effective (x) while any shares of Preferred Stock are outstanding and prior to the date that the Corporation’s Registration Statement covering all the shares of Common Stock issuable upon the conversion of the Preferred Stock is declared effective by the U.S. Securities and Exchange Commission (“Commission”), the Corporation or such successor corporation as the case may be, shall make appropriate provision so that the Holder of each share of Preferred Stock then outstanding shall have the right to convert such share of Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 5.

In the event of a Merger or Sale, where the Corporation is not the surviving Corporation, the Holder shall have the right to redeem all of the outstanding shares of Preferred Stock at 120% of the Liquidation Value of each share of Preferred Stock then outstanding plus all accrued and unpaid dividends (the “Redemption Amount”). The Corporation shall pay this Redemption Amount in cash within ten (10) business days of receipt by the Corporation of notice from the Holder, and receipt by the Corporation of all outstanding shares of Preferred Stock duly endorsed by the Holder to the Corporation.

(g) **Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock.** If the Corporation at any time or from time to time while shares of Preferred Stock are issued and outstanding shall declare or pay, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

(h) **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of Common Stock of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination or shares of Common Stock provided for in Section 5(g) hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Preferred Stock would otherwise have been entitled to receive, a number of shares of Common Stock of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Preferred Stock immediately before that change.

6 Redemptions.

(a) **Redemption at Corporation's Option.** Except as otherwise provided in this Section 6, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time (i) for a period of 120 days from the date of issuance of the Preferred Stock up to an aggregate of 450 shares of Series 13 Class M Preferred Stock at the cash redemption price of \$1,000 per share and (ii) the then outstanding Series 13 Class M Preferred Stock at the following cash redemption prices if redeemed during the following periods: (a) within one year from July 15, 1999 - \$1,100 per share, except as otherwise provided in (i) above, and (b) after one year from July 15, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,000, \$1,100 or \$1,200 is referred to herein as the "Redemption Price").

(b) **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 13 Class M Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 13 Class M Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 13 Class M Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 13 Class M Preferred Stock to be redeemed from such holder, and (iv) instructions, as to how to specify to the Corporation the number of Series 13 Class M Preferred Stock to be redeemed as provided in this Part 6 and, if the Redemption Notice is mailed to the Holder after the first year from the date of issuance of the Series 13 Class M Preferred Stock, the number of shares to be converted into Common Stock as provided in Part 5 hereof.

(c) **Rights of Conversion Upon Redemption.** If the redemption occurs during the first 12 months after the issuance of the Preferred Stock, the holder may not convert any redeemed shares. If the redemption occurs after the first year after the first issuance of Series 13 Class M Preferred Stock, then, upon receipt of the Redemption Notice, any holder of Series 13 Class M Preferred Stock shall have five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 13 Class M Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 6 or converted into Common Stock in the manner provided in Part 5 hereof, except that, notwithstanding any provision of such Part 5 to the contrary, after one year from the date of first issuance of the Preferred Stock, such holder shall have the right to convert into Common Stock that number of Series 13 Class M Preferred Stock called for redemption in the Redemption Notice.

(d) **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 13 Class M Preferred Stock, each holder of such shares Shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 13 Class M Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

(e) **Payment.** On the Redemption Date in respect of any Series 13 Class M Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 13 Class M Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 13 Class M Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. My funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

7. Assignment.

Subject to all applicable restrictions on transfer, the rights and obligations of the Corporation and the Holder of the Preferred Stock shall be binding upon and benefit the successors, assigns, heirs, administrators, and transferees of the parties.

8. Shares of Common Stock to be Reserved.

The Corporation, upon the effective date of this Certificate of Designations, has a sufficient number of shares of Common Stock available to reserve for issuance upon the conversion of all outstanding shares of Preferred Stock, pursuant to the terms and conditions set forth in Section 5, and exercise of the Warrants as defined in Section 12. The Corporation will at all times reserve and keep available out of its authorized shares of Common Stock, solely for the purpose of issuance upon the conversion of Preferred Stock, and exercise of the Warrants, as herein provided, such number of shares of Common Stock as shall then be issuable upon the conversion of all outstanding shares of Preferred Stock, and exercise of the Warrants. The Corporation covenants that all shares of Common Stock which shall be so issued shall be duly and validly issued, fully paid and non-assessable. The Corporation will take such action as may be required, if the total number of shares of Common Stock issued and issuable after such action upon conversion of the Preferred Stock, and exercise of the Warrants would exceed the total number of shares of Common Stock then authorized by the Corporation's Certificate of Incorporation, as amended, or would exceed 19.99% of the shares of Common Stock then outstanding if required by law or the Rules and Regulations of NASDAQ or the National Securities Exchange applicable to the Corporation to take such action as a result of exceeding such 19.99%, in order to increase the number of shares of Common Stock to permit the Corporation to issue the number of shares of Common Stock required to effect conversion of the Preferred, and exercise of the Warrants, to a number sufficient to permit conversion of the Preferred Stock, and exercise of the Warrants, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to the Corporation's Restated Certificate of Incorporation, and to obtain shareholders approval in order to effect conversion of the Preferred Stock, and exercise of the Warrants, if required by law or the rules or regulations of the NASDAQ or National Securities Exchange applicable to the Corporation,

8(a) Shareholder Approval. In connection with the issuance to the Holder of the shares of Preferred Stock, pursuant to this Certificate of Designations, the Corporation is also issuing (i) certain warrants ("RBB Warrants") to the Holder pursuant to the terms of that certain Private Securities Subscription Agreement dated June 30, 1998 (the "Agreement"), providing for the purchase of up to 150,000 shares of Common Stock at an exercise price of \$2.50 per share and (ii) certain warrants (collectively, the "Liviakis Warrants") to Liviakis Financial Communication, Inc. ("Liviakis") and Robert B. Prag providing for the purchase of up to an aggregate of 2,500,000 shares of Common Stock at an exercise price of \$1.875 per share pursuant to the terms of that Liviakis Agreement dated June 30, 1998, between Liviakis and the Corporation.

If (i) the aggregate number of shares of Common Stock issued by the Corporation as a result of any or all of the following: (a) conversion of the Preferred Stock, (b) payment of dividends accrued on the Preferred Stock (c) exercise of the RBB Warrants, and (d) exercise of the Liviakis Warrants exceeds 2,388,347 shares of Common Stock (which equals 19.9% of the outstanding shares of Common Stock of the Corporation as of the date of this Certificate of Designations) and (ii) the Holder has converted or elects to convert any of the then outstanding shares of Preferred Stock pursuant to the terms of Section 5 at a Conversion Price less than \$ 1.875 (\$1.875 being the market value per share of Common Stock as quoted on the NASDAQ as of the close of business on June 30, 1998) pursuant to the terms of Section 5(b) hereof, other than if the Conversion Price is less than \$ 1.875 solely as a result of the anti-dilution provisions of Section 5(g) and (h) hereof, then, notwithstanding anything in Section 5 to the contrary, the Corporation shall not issue any shares of Common Stock as a result of receipt of a Conversion Notice unless and until the Corporation shall have obtained approval of its shareholders entitled to vote on the transactions in accordance with subparagraphs (25)(H)(i)d, (iv) and (v) of Rule 4310 of the NASDAQ Marketplace Rules ("Shareholder Approval").

If Shareholder Approval is required as set forth in the above paragraph, the Corporation shall take all necessary steps to obtain such Shareholder Approval upon receipt of the Conversion Notice triggering the need for Shareholder Approval ("Current Conversion Notice"). If the Corporation has not received from the Holder a Current Conversion Notice, the Holder, subsequent to January 1st, 1999 may, if the Corporation's shares of Common Stock trade, subsequent to January 1st, 1999, at a five (5) day average closing bid price below Two Dollars and 34/100 (\$2.34), upon written notice to the Corporation, require the Corporation to obtain Shareholder Approval ("Holder's Notice"). The Holder and the Corporation's officers' and directors covenant to vote all shares of Common Stock over which they have voting control in favor of Shareholder Approval. If the Corporation does not obtain Shareholder Approval within ninety (90) days of the earlier of the Corporation's receipt of (i) the Current Conversion Notice or (ii) the Holder's Notice, and the Holder has not breached its covenant to vote all shares of Common Stock over which they have voting control in favor of Shareholder Approval, the Corporation shall pay in cash to the Holder liquidated damages, in an amount of 4% per month of the Liquidation Value of each share of Preferred Stock then outstanding, commencing on the 91st day of the Corporation's receipt of the Holder's Current Conversion Notice, and continuing every thirty (30) days pro-rata until such time the Corporation receives Shareholder Approval.

9. No Reissuance of Series 13 Class M Convertible Preferred Stock.

Shares of Preferred Stock which are converted into shares of Common Stock as provided herein shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred stock hereafter created.

10. Closing of Books.

The Corporation will at no time close its transfer books against the transfer of any Preferred Stock or of any shares of Common Stock issued or issuable upon the conversion of any shares of Common Stock of Preferred Stock in any manner which interferes with the timely conversion of such Preferred Stock, except as may otherwise be required to comply with applicable securities laws.

11. No Preemptive Rights.

The Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

12. Definition of Shares.

As used in this Certificate of Designations, the term “shares of Common Stock” shall mean and include the Corporation’s authorized common stock, par value \$.001, as constituted on the date of filing of these terms of the Preferred Stock, or in case of any reorganization, reclassification, or stock split of the outstanding shares of Common Stock thereof, the stock, securities or assets provided for hereof. The term “Warrants” as used herein shall have the same meaning as defined in Section 1 of the Private Securities Subscription Agreement, dated June 30, 1998, between the Company and RBB Bank Aktiengesellschaft.

The said determination of the designations, preferences and relative, participating, optional or other rights, and the qualifications, limitations or restrictions thereof, relating to the Preferred Stock was duly made by the Board of Directors pursuant to the provisions of the Corporation’s Restated Certificate of Incorporation and in accordance with the provisions of the Delaware General Corporation Law.

**CERTIFICATE OF ELIMINATION
OF
SERIES 3 CLASS C CONVERTIBLE PREFERRED STOCK
AND
SERIES 8 CLASS H CONVERTIBLE PREFERRED STOCK
AND
SERIES 10 CLASS J CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of Series 3 Class C Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 3 Preferred") was filed with the Delaware Secretary of State on July 19, 1996 (the "Series 3 Certificate of Designations").
2. That all outstanding shares of the Series 3 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance with the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank Aktiengesellschaft, dated as of July 15, 1999.
3. That no shares of Series 3 Preferred remain outstanding.
4. That all shares of the Series 3 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
5. That effective July 15, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 3 Class C Convertible Preferred Stock, no authorized shares of Series 3 Class C Convertible Preferred Stock will remain outstanding and no shares of Series 3 Class C Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 3 Class C Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 3 Class C Convertible Preferred Stock.

6. That the Certificate of Designations of the Series 8 Class H Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 8 Preferred") was filed on July 16, 1998 (the "Series 8 Certificate of Designations").

7. That all outstanding shares of the Series 8 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance with the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank, dated as of July 15, 1999.

8. That no shares of Series 8 Preferred remain outstanding.

9. That all shares of the Series 8 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

10. That effective July 15, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 8 Class H Convertible Preferred Stock, no authorized shares of Series 8 Class H Convertible Preferred Stock will remain outstanding and no shares of Series 8 Class H Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 8 Class H Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 8 Class H Convertible Preferred Stock.

11. That the Certificate of Designations of the Series 10 Class J Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 10 Preferred") was filed on July 10, 1998 (the "Series 10 Certificate of Designations").

12. That all outstanding shares of the Series 10 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance to the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank, dated as of July 15, 1999.

13. That no shares of Series 10 Preferred remain outstanding.

14 That all shares of the Series 10 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

15. That effective July 15, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 10 Class J Convertible Preferred Stock, no authorized shares of Series 10 Class J Convertible Preferred Stock will remain outstanding and no shares of Series 10 Class J Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 10 Class J Convertible Preferred Stock.

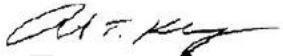
FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 10 Class J Convertible Preferred Stock.

16. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series 3 Class C Convertible Preferred Stock, the Series 8 Class H Convertible Preferred Stock, and the Series 10 Class J Convertible Preferred Stock.

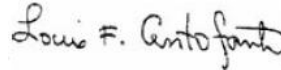
IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 15th day of July, 1999, by the President of the Company.

ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecy, Secretary
(SEAL)



By _____
Dr. Louis F. Centofanti, President

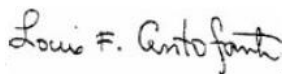
**CERTIFICATE OF DESIGNATIONS
OF SERIES 14 CLASS N CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perm-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 14 Class N Convertible Preferred Stock and has established and fixed the voting powers, designations preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 14 Class N Convertible Preferred Stock as set forth in the attached resolutions.

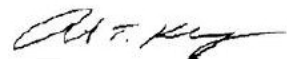
Dated: August 10, 1999

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By 

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelecy, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 14 CLASS N CONVERTIBLE PREFERRED STOCK**

WHEREAS,

- A. The Corporation's share capital includes Preferred Stock, par value \$.001 per share ("Preferred Stock"), which Preferred Stock may be issued in ones or more series by the Board of Directors of the Corporation (the "Board") being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences, and relative, participating, optional or other special rights, privileges, restrictions and conditions attaching to the shares of each such series; and
- B. It is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 14 Class N Convertible Preferred Stock, par value \$.001.

NOW, THEREFORE, BE IT RESOLVED, THAT:

The Series 14 Class N Convertible Preferred Stock, par value \$.001 (the "Series 14 Class N Preferred Stock") of the Corporation shall consist of 1,769 shares and no more and shall be designated as the Series 14 Class N Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 14 Class N Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except as otherwise provided herein, in the Corporation's Certificate of Incorporation (the "Articles") or the General Corporation Law of the State of Delaware (the "GCL"), the holders of the Series 14 Class N Preferred Stock shall have no voting rights whatsoever. To the extent that under the GCL the vote of the holders of the Series 14 Class N Preferred Stock, voting separately as a class or series as applicable, is required to authorize a given action of the Corporation, the affirmative vote or consent of the holders of at least a majority of the shares of the Series 14 Class N Preferred Stock represented at a duly held meeting at which a quorum is present or by written consent of a majority of the shares of Series 14 Class N Preferred Stock (except as otherwise may be required under the GCL) shall constitute the approval of such action by the series. To the extent that under the GCL the holders of the Series 14 Class N Preferred Stock are entitled to vote on a matter with holders of Corporation's Common Stock and/or any other class or series of the Corporation's voting securities, the Series 14 Class N Preferred Stock, the Corporation's Common Stock and all other classes or series of the Corporation's voting securities shall vote together as one class, with each share of Series 14 Class N Preferred Stock entitled to a number of votes equal to the number of shares of the Corporation's Common Stock into which it is then convertible using the record date for the taking of such vote of stockholders as the date as of which the Conversion Price (as defined in Section 4.3 hereof) is calculated and conversion is effected. Holders of the Series 14 Class N Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation's bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 14 Class N Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 14 Class N Preferred Stock shall be outstanding, the holders of the then outstanding Series 14 Class N Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 14 Class N Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 14 Class N Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Rights After Payment.** After the payment to the holders of the shares of the Series 14 Class N Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 14 Class N Preferred Stock as such shall have no right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 14 Class N Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 14 Class N Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 14 Class N Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 14 Class N Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends.

3.1 The holders of the Series 14 Class N Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefor, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), at the Corporation's election, at the rate of six percent (6 %) per annum of the Liquidation Value of the Series 14 Class N Preferred Stock. The Liquidation Value of the Series 14 Class N Preferred Stock shall be \$1,000.00 per share (the "Dividend Rate"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1999 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 14 Class N Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from August 3, 1999. In the event that the Corporation elects to pay dividends in Common Stock of the Corporation, each holder of the Series 14 Class N Preferred Stock shall receive shares of Common Stock of the Corporation equal to the quotient of (i) the Dividend Rate in effect on the applicable Dividend Declaration Date dividend by (ii) the average of the closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"). Dividends on the Series 14 Class N Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 14 Class N Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 14 Class N Preferred Stock shall have rights to convert the shares of Series 14 Class N Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **No Right to Convert.** The Series 14 Class N Preferred shall not be convertible into shares of Common Stock until after April 20, 2000.

4.2 **Right to Convert.** The Series 14 Class N Preferred Stock may be convertible into shares of Common Stock at any time on or after April 20, 2000.

4.3 **Conversion Price.** As used herein, the term Conversion Price shall be the product of (i) the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.4 below multiplied by (ii) seventy-five percent (75 %), subject to the provisions of this Section 4.3. Notwithstanding the foregoing, the Conversion Price shall not be (i) less than a minimum of \$1.50 per share for a period of twenty-four (24) months from April 20, 1999, or, after twenty-four (24) months from April 20, 1999, a minimum of \$.50 per share (as applicable, the "Minimum Conversion Price") or (ii) more than a maximum of \$1.50 per share ("Maximum Conversion Price"). If, after July 1, 1996, the Corporation sustains a net loss, on a consolidated basis, in each of two (2) consecutive quarters, as determined under generally accepted accounting principles, the Minimum Conversion Price shall be reduced \$.25 a share, but there shall be no change to, or reduction of, the Maximum Conversion Price. For the purpose of determining whether the Corporation has had a net loss in each of two (2) consecutive quarters, at no time shall a quarter that has already been considered in such determination be considered in any subsequent determination (as an example the third quarter of 1996 in which there is a net profit and the fourth quarter of 1996 in which there is a net loss shall be considered as two consecutive quarters, and, as a result the fourth quarter of 1996 shall not be considered along with the first quarter of 1997 as two (2) consecutive quarters, but the first quarter of 1997 must be considered with the second quarter of 1997 for the purposes of such determination). For the purposes of this Section 4.3, a "quarter" is a three (3) month period ending on March 31, June 30, September 30, and December 31. If any of the outstanding shares of Series 14 Class N Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 14 Class N Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect at the date of the conversion. At the time of conversion of shares of the Series 14 Class N Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or, at the Corporations option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the product of dividing the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 14 Class N Preferred Stock so converted by the Conversion Price in effect at the date of conversion.

4.4 Mechanics of Conversion. Any holder of the Series 14 Class N Preferred Stock who wishes to exercise its Conversion Rights pursuant to the terms of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys surrender the certificate therefor at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion Notice"). In the event that the shares of Series 14 Class N Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. No Conversion Notice with respect to any shares of Series 14 Class N Preferred Stock can be given prior to the time such shares of Series 14 Class N Preferred Stock are eligible for conversion in accordance with the provision of Section 4.1 above. Any such premature Conversion Notice shall automatically be null and void. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 14 Class N Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed that until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 14 Class N Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 14 Class N Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion within five (5) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this Section 4.4, the Corporation shall pay to the holder U.S. \$1,000 for each day that the Corporation is late in delivering such certificate to the holder or its agent.

4.5 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Series 14 Class N Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate. If the Corporation shall declare or pay, without consideration, any dividend on the Common Stock payable in any right to acquire Common stock for no consideration, then the Corporation shall be deemed to have made a dividend payable in Common Stock in an amount of shares equal to the maximum number of shares issuable upon exercise of such rights to acquire Common Stock.

4.6. **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Series 14 Class N Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.5 hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 14 Class N Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 14 Class N Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 14 Class N Preferred Stock immediately before that change.

4.7 **Common Stock Duly Issued.** All Common Stock which may be issued upon conversion of Series 14 Class N Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.8 **Notice of Adjustments.** Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 14 Class N Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.9 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 14 Class N Preferred Stock pursuant thereto; provided however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 14 Class N Preferred Stock in connection with such conversion,

4.10 **Reservation of Stock Issuable Upon Conversion** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 14 Class N Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 14 Class N Preferred stock and, if at any time, the number of authorized but unissued shares of Common Stock shall, not be sufficient to effect the conversion of all then outstanding shares of the Series 14 Class N Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.11 **Fractional Shares.** No fractional share shall be issued upon the conversion of any share or shares of Series 14 Class N Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 14 Class N Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.12 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 14 Class N Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.13 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation’s Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 14 Class N Preferred Stock at the following cash redemption prices if redeemed during the following periods: (i) within twelve (12) months from April 20, 1999 - \$1,100 per share, and (ii) after twelve (12) months from April 20, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,100 or \$1,200 is referred to herein as the “Redemption Price”).

5.2 **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 14 Class N Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 14 Class N Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 14 Class N Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 14 Class N Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 14 Class N Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first twelve (12) months from April 20, 1999, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 14 Class N Preferred Stock (the “Redemption Date”), written notice (the “Redemption Notice”) shall be mailed to each holder of record on such notice date of the Series 14 Class N Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 14 Class N Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 14 Class N Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 14 Class N Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first 12 months from April 20, 1999, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.4 Rights of Conversion Upon Redemption. If the redemption occurs during the first 12 months after April 20, 1999, the holder may not convert any redeemed shares. If the redemption occurs pursuant to Section 5.1 (i) hereof, the Holder of the Series 14 Class N Preferred Stock shall not have the right to convert those outstanding shares of Series 14 Class N Preferred Stock that the Company is redeeming after receipt of the Redemption Notice. If the redemption occurs pursuant to Section 5.1 (ii) hereof, then, upon receipt of the Redemption Notice, any holder of Series 14 Class N Preferred Stock shall have the next five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 14 Class N Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, after twelve (12) months from April, 20, 1999, such holder shall have the right to convert into Common Stock that number of Series 14 Class N Preferred Stock called for redemption in the Redemption Notice.

5.5 Surrender of Certificates. On or before the Redemption Date in respect of any Series 14 Class N Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.6 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 14 Class N Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.6 Payment. On the Redemption Date in respect of any Series 14 Class N Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least U. S. \$50,000,000, as a trust fund, a sum equal to the aggregate First Year Redemption Price or the Redemption Price, whichever is applicable, of all such shares called from redemption (less the aggregate Redemption Price for those Series 14 Class N Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 14 Class N Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the First Year Redemption Price or the Redemption Price, whichever is applicable, of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the First Year Redemption Price or the Redemption Price, whichever is applicable, in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 14 Class N Preferred Stock and Priority

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 14 Class N Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

6.2.1 Prior or senior to the shares of this Series 14 Class N Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 14 Class N Preferred Stock;

6.2.2 On a parity with, or equal to, shares of this Series 14 Class N Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 14 Class N Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 14 Class N Preferred Stock; and,

6.2.3 Junior to shares of this Series 14 Class N Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 14 Class N Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation would alter or change the powers, preferences or special rights of the Series 14 Class N Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Certificate of Incorporation at a duly called and held series meeting of the holders of the Series 14 Class N Preferred Stock or written consent by the holders of a majority of the Series 14 Class N Preferred Stock then outstanding. Notwithstanding the above, the number of authorized shares of any class or classes of stock may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of this Section 7.1 or the requirements of Section 242 of the GCL.

7.2 **Authorized.** Any shares of Series 14 Class N Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred' Stock hereafter created.

**CERTIFICATE OF DESIGNATIONS
OF SERIES 15 CLASS O CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 15 Class O Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 15 Class O Convertible Preferred Stock as set forth in the attached resolutions.

Dated: August 10, 1999

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By Louis F. Centofanti

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:

Richard T. Kelecy

Richard T. Kelecy, Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:31 PM 08/10/1999
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PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(The “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHT, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 15 CLASS O CONVERTIBLE PREFERRED STOCK**

WHEREAS, the Corporation’s capital includes preferred stock, par value \$.001 per share (“Preferred Stock”), which Preferred Stock may be issued in one or more series by resolutions adopted by the directors, and with the directors being entitled by resolution to fix the number of shares in each series and to designate the rights, designations, preferences and relative, participating, optional or other special rights and privileges, restrictions and conditions attaching to the shares of each such series;

WHEREAS, it is in the best interests of the Corporation for the Board to create a new series from the Preferred Stock designated as the Series 15 Class O Convertible Preferred Stock, par value \$.001 per share (the “Series 15 Class O Preferred Stock”);

NOW THEREFORE, BE IT RESOLVED, that the Series 15 Class O Preferred Stock shall consist of six hundred sixteen (616) shares and no more and shall be designated as the Series 15 Class O Convertible Preferred Stock, and the preferences, rights, privileges, restrictions and conditions attaching to the Series 15 Class O Preferred Stock shall be as follows:

Part 1 - Voting and Preemptive Rights.

1.1 **Voting Rights.** Except as otherwise provided in Part 7 hereof or under Section 242(b)(2) of the General Corporation Law of the State of Delaware (the “GCL”), the holders of the Series 15 Class O Preferred Stock shall have no voting rights whatsoever. To the extent that under Section 242(b)(2) of the GCL or Part 7 hereof, the holders of the Series 15 Class O Preferred Stock are entitled to vote on a matter, each share of the Series 15 Class O Preferred Stock shall be entitled one (1) vote for each outstanding share of Series 15 Class O Preferred Stock. Holders of the Series 15 Class O Preferred Stock shall be entitled to notice of (and copies of proxy materials and other information sent to stockholders) for all shareholder meetings or written consents with respect to which they would be entitled to vote, which notice would be provided pursuant to the Corporation’s bylaws and applicable statutes.

1.2 **No Preemptive Rights.** The Series 15 Class O Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

Part 2 - Liquidation Rights.

2.1 **Liquidation.** If the Corporation shall be voluntarily or involuntarily liquidated, dissolved or wound up at any time when any shares of the Series 15 Class O Preferred Stock shall be outstanding, the holders of the then outstanding Series 15 Class O Preferred Stock shall have a preference in distribution of the Corporation's property available for distribution to the holders of the Corporation's Common Stock equal to \$1,000 consideration per outstanding share of Series 15 Class O Preferred Stock, plus an amount equal to all unpaid dividends accrued thereon to the date of payment of such distribution ("Liquidation Preference"), whether or not declared by the Board.

2.2 **Payment of Liquidation Preferences.** Subject to the provisions of Part 6 hereof, all amounts to be paid as Liquidation Preference to the holders of Series 15 Class O Preferred Stock, as provided in this Part 2, shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any of the Corporation's property to the holders of the Corporation's Common Stock, whether now or hereafter authorized, in connection with such liquidation, dissolution or winding up.

2.3 **No Right After Payment.** After the payment to the holders of the shares of the Series 15 Class O Preferred Stock of the full Liquidation Preference amounts provided for in this Part 2, the holders of the Series 15 Class O Preferred Stock as such shall have right or claim to any of the remaining assets of the Corporation.

2.4 **Assets Insufficient to Pay Full Liquidation Preference.** In the event that the assets of the Corporation available for distribution to the holders of shares of the Series 15 Class O Preferred Stock upon any dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, shall be insufficient to pay in full all amounts to which such holders are entitled pursuant to this Part 2, no such distribution shall be made on account of any shares of any other class or series of Preferred Stock ranking on a parity with the shares of this Series 15 Class O Preferred Stock upon such dissolution, liquidation or winding up unless proportionate distributive amounts shall be paid on account of the shares of this Series 15 Class O Preferred Stock and shares of such other class or series ranking on a parity with the shares of this Series 15 Class O Preferred Stock, ratably, in proportion to the full distributable amounts for which holders of all such parity shares are respectively entitled upon such dissolution, liquidation or winding up.

Part 3 - Dividends. The holders of the Series 15 Class O Preferred Stock are entitled to receive if, when and as declared by the Board out of funds legally available therefore, cumulative dividends, payable in cash or Common Stock of the Corporation, par value \$.001 per share (the "Common Stock"), or any combination thereof, at the Corporation's election, at the rate of four percent (4%) per annum of the Liquidation Value (as defined below) of each issued and outstanding share of Series 15 Class O Preferred Stock (the "Dividend Rate"). The Liquidation Value of the Series 15 Class O Preferred Stock shall be \$1.000 per outstanding share of the Series 15 Class O Preferred Stock (the "Liquidation Value"). The dividend is payable semi-annually within seven (7) business days after each of December 31 and June 30 of each year, commencing December 31, 1999 (each, a "Dividend Declaration Date"). Dividends shall be paid only with respect to shares of Series 15 Class O Preferred Stock actually issued and outstanding on a Dividend Declaration Date and to holders of record of the Series 15 Class O Preferred Stock as of the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from August 3, 1999. In the event that the Corporation elects to pay to accrued dividends due as of a Dividend Declaration Date on an outstanding share of the Series 15 Class O Preferred Stock in Common Stock of the Corporation, the holder of such share shall receive that number of shares of Common Stock of the Corporation equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or the average closing sale price if listed on a national securities exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid and the denominator of which is 365. Dividends on the Series 15 Class O preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Series 15 Class O Preferred Stock shall have been paid or declared and set aside for payment.

Part 4 - Conversion. The holders of the Series 15 Class O Preferred Stock shall have rights to convert the shares of Series 15 Class O Preferred Stock into shares of the Corporation's Common Stock, par value \$.001 per share ("Common Stock"), as follows (the "Conversion Rights"):

4.1 **No Right to Convert.** The Series 15 Class O Preferred shall not be convertible into shares of Common Stock until after April 20, 2000.

4.2 **Right to Convert.** The Series 15 Class O Preferred Stock may be convertible into shares of Common Stock at any time after April 20, 2000.

4.3 **Conversion Price.** Subject to the terms hereof, as used herein, the Conversion Price per outstanding share of Series 15 Class O Preferred Stock shall be \$1.8125, except that, in the event the average closing bid price per share of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days prior to the particular date of conversion shall be less than \$2.265, the Conversion Price for only such particular conversion shall be the product of the average closing bid quotation of the Common Stock as reported on the over-the-counter market, or the closing sale price if listed on a national securities exchange, for the five (5) trading days immediately preceding the date of the Conversion Notice referred to in Section 4.4 below in connection with such conversion multiplied by eighty percent (80%), subject to the provisions of this Section 4.2. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$1.50 per share ("Minimum Conversion Price") for a period of twenty-four (24) months from April 20, 1999. If any of the outstanding shares of Series 15 Class O Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Part 4, the number of shares of whole Common Stock to be issued to the holder as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Series 15 Class O Preferred Stock so surrendered for conversion by (b) the Conversion Price as of such conversion. At the time of conversion of shares of the Series 15 Class O Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount to all unpaid and accrued dividends, if any, accrued thereon to the date of conversion, or at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of whole shares of Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of conversion on the shares of Series 15 Class O Preferred Stock so converted divided by the Stock Dividend Price, as defined in Part 3 hereof, in effect at the date of conversion.

4.4 Mechanics of Conversion. Any holder of the Series 15 Class O Preferred Stock who wishes to exercise its Conversion Rights pursuant to the terms of this Part 4 must, if such shares are not being held in escrow by the Corporation's attorneys, surrender the certificate therefore at the principal executive office of the Corporation, and give written notice, which may be via facsimile transmission, to the Corporation at such office that it elects to convert the same (the "Conversion, Notice"). In the event that the shares of Series 15 Class O Preferred Stock are being held in escrow by the Corporation's attorneys, no delivery of the certificates shall be required. The Corporation shall, within five (5) business days after receipt of an appropriate and timely Conversion Notice (and certificate, if necessary), issue to such holder of Series 15 Class O Preferred Stock or its agent a certificate for the number of shares of Common Stock to which he shall be entitled; it being expressly agreed the until and unless the holder delivers written notice to the Corporation to the contrary, all shares of Common Stock issuable upon conversion of the Series 15 Class O Preferred Stock hereunder are to be delivered by the Corporation to a party designated in writing by the holder in the Conversion Notice for the account of the holder and such shall be deemed valid delivery to the holder of such shares of Common Stock. Such conversion shall be deemed to have been made only after both the certificate for the shares of Series 15 Class O Preferred Stock to be converted have been surrendered and the Conversion Notice is received by the Corporation (or in the event that no surrender of the Certificate is required, then only upon the receipt by the Corporation of the Conversion Notice) (the "Conversion Documents"), and the person or entity whose name is noted on the certificate evidencing such shares of Common Stock issuable upon such conversion shall be treated for all purpose as the record holder of such shares of Common Stock at and after such time. In the event that the Conversion Notice is sent via facsimile transmission, the Corporation shall be deemed to have received such Conversion Notice on the first business day on which such facsimile Conversion Notice is actually received. If the Corporation fails to deliver to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion of the Series 15 Class O Preferred Stock within seven (7) business days after receipt by the Corporation from the holder of an appropriate and timely Conversion Notice and certificates pursuant to the terms of this section 4.4 ("Seven (7) Business Day Period"), then, upon the written demand of RBB Bank Aktiengesellschaft ("RBB Bank"), the holder of the Series 15 Class O Preferred Stock, for payment of the penalty described below in this Section 4.4, which demand must be received by the Corporation no later than ten (10) calendar days after the expiration of such Seven (7) Business Day Period, the Corporation shall pay to RBB Bank the following penalty for each business day after the Seven (7) Business Day Period until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion: business day eight (8) -U.S. \$1,000; business day nine (9) - U.S. \$2,000, and each business day thereafter an amount equal to the penalty due on the immediately preceding business day times two (2) until the Corporation delivers to the holder or its agent the certificate representing the shares of Common Stock that the holder is entitled to receive as a result of such conversion.

4.5 Merger or Consolidation. In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the "Merger"), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the "Sale"), and such Merger or Sale becomes effective (x) while any shares of Series 15 Class O Preferred Stock are outstanding and prior to the date that the Corporation's Registration Statement Covering up to 1,379,311 shares of Common Stock issuable upon the conversion of the Series 15 Class O Preferred Stock is declared effective by the U.S. Securities and Exchange Commission or (y) prior to the end of the restriction periods in Section 4.3, then, in such event, the Corporation or such successor corporation, as the case may be, shall make appropriate provision so that the holder of each share of Series 15 Class O Preferred Stock then outstanding shall have the right to convert such share of Series 15 Class O Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Series 15 Class O Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Part 4.

4.6 Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation at any time or from time to time while shares of Series 15 Class O Preferred Stock are issued and outstanding shall declare or pay, without consideration, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock or in any right to acquire Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

4.7 Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Series 15 Class O Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for in Section 4.6 hereof). the Conversion Price shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Series 15 Class O Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Series 15 Class O Preferred Stock would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Series 15 Class O Preferred Stock immediately before that change.

4.8 Common Stock Duly Issued. All Common Stock which may be issued upon conversion of Series 15 Class O Preferred Stock will, upon issuance, be duly issued, fully paid and nonassessable and free from all taxes, liens, and charges with respect to the issue thereof.

4.9 Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of any Conversion Price pursuant to this Part 4, the Corporation, at its expense, within a reasonable period of time, shall compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series 15 Class O Preferred Stock a notice setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment is based.

4.10 **Issue Taxes.** The Corporation shall pay any and all issue and other taxes that may be payable in respect of any issue or delivery of shares of Common Stock on conversion of the Series 15 Class O Preferred Stock pursuant thereto; provided, however, that the Corporation shall not be obligated to pay any transfer taxes resulting from any transfer requested by any holder of Series 15 Class O Preferred Stock in connection with such conversion.

4.11 **Reservation of Stock Issuable Upon Conversion.** The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series 15 Class O Preferred Stock, such number of its shares of Common Stock as shall, from time to time, be sufficient to effect the conversion of all outstanding shares of the Series 15 Class O Preferred stock, and, if at any time, the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series 15 Class O Preferred Stock, the Corporation will take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to its Certificate of Incorporation.

4.12 **Fractional Shares.** No fractional shares shall be issued upon the conversion of any share or shares of Series 15 Class O Preferred Stock. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series 15 Class O Preferred Stock by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of a fractional share of Common Stock, such fractional share shall be rounded up to the nearest whole share.

4.13 **Notices.** Any notices required by the provisions of this Part 4 to be given to the holders of shares of Series 15 Class O Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the Corporation.

4.14 **Business Day.** As used herein, the term “business day” shall mean any day other than a Saturday, Sunday or a day when the federal and state banks located in the State of New York are required or is permitted to close.

Part 5 - Redemption.

5.1 **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5.1, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time, the then outstanding Series 15 Class O Preferred Stock at the following cash redemption prices if redeemed during the following periods: (i) within twelve (12) months from April 20, 1999 - \$1,100 per share and (ii) after twelve (12) months from April 20, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,100 or \$1,200 is referred to herein as the "Redemption Price").

5.2 **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 15 Class O Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 15 Class O Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 15 Class O Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 15 Class O Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 15 Class O Preferred Stock to be redeemed as provided in this Part 5 and, if the Redemption Notice is mailed to the Holder after the first twelve (12) months from April 20, 1999, the number of shares to be converted into Common Stock as provided in Part 4 hereof.

5.3 **Rights of Conversion Upon Redemption.** If the redemption occurs during the first twelve (12) months after April 20, 1999, the holder may not convert any redeemed shares. If the redemption occurs after the first twelve (12) months after April 20, 1999, then, upon receipt of the Redemption Notice, any holder of Series 15 Class O Preferred Stock shall have five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 15 Class O Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 5 or converted into Common Stock in the manner provided in Part 4 hereof, except that, notwithstanding any provision of such Part 4 to the contrary, after twelve (12) months from April 20, 1999, such holder shall have the right to convert into Common Stock that number of Series 15 Class O Preferred Stock called for redemption in the Redemption Notice.

5.4 **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 15 Class O Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided in Section 5.5 hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 15 Class O Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

5.5 **Payment.** On the Redemption Date in respect of any Series 15 Class O Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 15 Class O Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 15 Class O Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

Part 6 - Parity with Other Shares of Series 15 Class O Preferred Stock and Priority.

6.1 **Rateable Participation.** If any cumulative dividends or return of capital in respect of Series 15 Class O Preferred Stock are not paid in full, the owners of all series of outstanding Preferred Stock shall participate rateably in respect of accumulated dividends and return of capital.

6.2 **Ranking.** For purposes of this resolution, any stock of any class or series of the Corporation shall be deemed to rank:

- 6.2.1 Prior or senior to the shares of this Series 15 Class O Preferred Stock either as to dividends or upon liquidation, if the holders of such class or classes shall be entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of this Series 15 Class O Preferred Stock;
- 6.2.2 On a parity with, or equal to, shares of this Series 15 Class O Preferred Stock, either as to dividends or upon liquidation, whether or not the dividend rates, dividend payment dates, or redemption or liquidation prices per share or sinking fund provisions, if any, are different from those of this Series 15 Class O Preferred Stock, if the holders of such stock are entitled to the receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, in proportion to their respective dividend rates or liquidation prices, without preference or priority, one over the other, as between the holders of such stock and over the other, as between the holders of such stock and the holders of shares of this Series 15 Class O Preferred Stock; and,
- 6.2.3 Junior to shares of this Series 15 Class O Preferred Stock, either as to dividends or upon liquidation, if such class or series shall be Common Stock or if the holders of shares of this Series 15 Class O Preferred Stock shall be entitled to receipt of dividends or of amounts distributable upon dissolution, liquidation or winding up of the Corporation, whether voluntary or involuntary, as the case may be, in preference or priority to the holders of shares of such class or series.

Part 7 - Amendment and Reissue.

7.1 **Amendment.** If any proposed amendment to the Corporation's Certificate of Incorporation (the "Articles") would alter or change the powers, preferences or special rights of the Series 15 Class O Preferred Stock so as to affect such adversely, then the Corporation must obtain the affirmative vote of such amendment to the Articles at a duly called and held series meeting of the holders of the Series 15 Class O Preferred Stock or written consent by the holders of a majority of the Series 15 Class O Preferred Stock then outstanding. Notwithstanding the above or the provisions of Section 242(b)(2) of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of this Section 7.1 or Section 242(b)(2) of the GCL.

7.2 **Authorized.** Any shares of Series 15 Class O Preferred Stock acquired by the Corporation by reason of purchase, conversion, redemption or otherwise shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred Stock hereafter created.

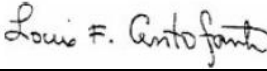
**CERTIFICATE OF DESIGNATIONS
OF SERIES 16 CLASS P CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 16 Class P Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 16 Class P Convertible Preferred Stock as set forth in the attached resolutions.

Dated: August 10, 1999

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By 

Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:



Richard T. Kelec, Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:32 PM 08/10/1999
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PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the “Corporation”)

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 16 CLASS P CONVERTIBLE PREFERRED STOCK**

RE: DESIGNATION OF SERIES 16 CLASS P PREFERRED STOCK.

RESOLVED: That the designations, powers, preferences and rights of the Series 16 Class P Convertible Preferred Stock be, and they hereby are, as set forth below:

1. Number of Shares of Common Stock of Series 16 Class P Convertible Preferred Stock

The Corporation hereby authorizes the issuance of up to one thousand eight hundred two (1,802) shares of Series 16 Class P Convertible Preferred Stock par value \$.001 per share (the “Preferred Stock”). This Preferred Stock shall pay an annual dividend based on a 365 day calendar year of 4% of the Liquidation Value (as defined in Section 3 hereof) (“Dividend Rate”), payable semiannually within ten (10) business days after each subsequent June 30th and December 31st (each a “Dividend Declaration Date”), and shall be payable in cash or shares of the Corporation’s par value \$.001 per share common stock (Common Stock) at the Corporation’s option. The first Dividend Declaration Date shall be December 31st, 1999.

In the event that the Corporation elects to pay the accrued dividends due as of a Dividend Declaration Date on the outstanding shares of Preferred Stock in Common Stock of the Corporation, the Holder of each share of Preferred Stock shall receive that number of shares of Common Stock equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the closing bid quotation of the Corporation’s Common Stock as reported on the National Association of Securities Dealers Automated Quotation system (“NASDAQ”), or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange, the average closing bid price of the Common Stock as quoted on such national exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the “Stock Dividend Price”), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation’s Common Stock until all accrued and unpaid dividends on all outstanding shares of Preferred Stock shall have been paid or declared and set aside for payment.

2. Voting.

Except as provided under Section 242 of the GCL, holders of Preferred Stock (the “Holders”) shall not have the right to vote on any matter. Notwithstanding the provisions of Section 242 of the GCL or Section 4 hereof, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of Section 242 of the GCL.

3. Liquidation.

In the event of a voluntary or involuntary dissolution, liquidation, or winding up of the Corporation, the Holders of Preferred Stock shall be entitled to receive out of the assets of the Corporation legally available for distribution to holders of its capital stock, before any payment or distribution shall be made to holders of shares of Common Stock or any other class of stock ranking junior to the Preferred Stock, an amount per share of Preferred Stock equal to \$1,000 (the “Liquidation Value”) plus any accrued and unpaid dividends on the Preferred Stock. If upon such liquidation, dissolution, or winding up of the Corporation, whether voluntary or involuntary, the assets to be distributed among the Holders of Preferred Stock shall be insufficient to permit payment to the Holders of Preferred Stock of the amount distributable as aforesaid, then the entire assets of the Corporation to be so distributed shall be distributed ratably among the Holders of Preferred Stock and shares of such other classes or series ranking on a parity with the shares of this Preferred Stock in proportion to the full distributable amounts for which holders of all such parity shares are entitled upon such distribution, liquidation, or winding up. Upon any such liquidation, dissolution or winding up of the Corporation, after the Holders of Preferred Stock shall have been paid in full the amounts to which they shall be entitled, the remaining net assets of the Corporation may be distributed to the holders of stock ranking on liquidation junior to the Preferred Stock and the Holders of the Preferred Stock shall have no right or claim to any of the remaining assets of the Corporation. Written notice of such liquidation, dissolution or winding up, stating a payment date, the amount of the liquidation payments and the place where said liquidation payments shall be payable, shall be given by mail, postage prepaid or by telex or facsimile to non-U.S. residents, not less than 10 days prior to the payment date stated therein, to the Holders of record of Preferred Stock, such notice to be addressed to each such Holder at its address as shown by the records of the Corporation. For purposes hereof the shares of Common Stock, shall rank on liquidation junior to the Preferred Stock.

4. Restrictions.

The Corporation will not amend or modify the terms of its Restated Certificate of Incorporation so as to adversely alter or change the Preferred Stock at any time when shares of Preferred Stock are outstanding, without the approval of the Holders of at least a majority of the then outstanding shares of Preferred Stock given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a series, except where the vote or written consent of the Holders of a greater number of shares of Common Stock of the Corporation is required by law or by the Corporation’s Certificate of Incorporation, as amended.

5. Optional Conversion.

The Holders of shares of Preferred Stock shall have the following conversion rights to convert the shares of Preferred Stock into shares of Common Stock of the Corporation:

(a) **No Right to Convert.** The Preferred Stock shall not be convertible into shares of Common Stock until after April 20, 2000.

(b) **Conversion Dates.** The Preferred Stock may be convertible into shares of Common Stock at any time after April 20, 2000.

(c) **Right to Convert; Conversion Price.** Subject to the terms hereof, as used herein, the term Conversion Price per outstanding share of Preferred Stock shall be One Dollar and 875/100 (\$1.875); except that after the expiration of one hundred and eighty (180) days after the Closing Date if the average of the closing bid price per share of Common Stock quoted on the NASDAQ (or the closing bid price of the Common Stock as quoted on the national securities exchange if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange) for the five (5) trading days immediately prior to the particular date of each Conversion Notice (as defined below) is less than Two Dollars and 34/100 (\$2.34), then the Conversion Price for that particular conversion shall be eighty percent (80%) of the average of the closing bid price of the Common Stock on the NASDAQ (or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange then eighty percent (80%) of the average of the closing bid price of the Common Stock on the national securities exchange) for the five (5) trading days immediately prior to the particular date of the Conversion Notice. Notwithstanding the foregoing, the Conversion Price shall not be less than a minimum of \$1.50 per share ("Minimum Conversion Price") for a period of twenty-four (24) months from April 20, 1999.

If any of the outstanding shares of Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Section 5(c), the number of shares of whole Common Stock to be issued to the Holder as a result of such conversion shall be determined by dividing (a) the aggregate Stated Value of the Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect on the date of that particular Conversion Notice relating to such conversion. At the time of conversion of shares of the Preferred Stock, the Corporation shall pay in cash to the holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon on the shares of Preferred so converted to the date of the Conversion Notice relating to such conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number of shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of the Conversion Notice relating to such conversion of the shares of Preferred Stock so converted divided by the Stock Dividend Price, in effect at the date of the Conversion Notice relating to such conversion.

(d) **Conversion Notice.** The right of conversion shall be exercised by the Holder thereof by telecopying or faxing an executed and completed written notice signed by an authorized representative of the Holder, ("Conversion Notice") to the Corporation that the Holder elects to convert a specified number of shares of Preferred Stock representing a specified Stated Value thereof into shares of Common Stock and by delivering by express courier the certificate or certificates of Preferred Stock being converted to the Corporation at its principal office (or such other office or agency of the Corporation as the Corporation may designate by notice in writing to the Holders of the Preferred Stock). The business date indicated on a Conversion Notice which is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a Conversion Date. The Conversion Notice shall include therein the Stated Value of shares of Preferred Stock to be converted, and a calculation (a) of the Stock Dividend Price, (b) the Conversion Price, and (c) the number of Shares of Common Stock to be issued in connection with such conversion. The Corporation shall have the right to review the calculations included in the Conversion Notice, and shall provide notice of any discrepancy or dispute therewith within three (3) business days of the receipt thereof. The Holder shall deliver to the Corporation an original Conversion Notice and the original Preferred to be converted within three (3) business days from the date of the Conversion Notice.

(e) **Issuance of Certificates - Time Conversion Effected.** Promptly, but in no event more than six (6) business days, after the receipt by facsimile of the Conversion Notice referred to in Subparagraph (5)(c); and provided within the six (6) business days the Corporation receives the certificate or certificates for the shares of Preferred Stock to be converted, the Corporation shall issue and deliver, or cause to be issued and delivered, to the Holder, registered in the name of the Holder, a certificate or certificates for the number of whole shares of Common Stock into which such shares of Preferred Stock are converted. Such conversion shall be deemed to have been effected as of the close of business on the date on which the telecopy or facsimile Conversion Notice shall have been received by the Corporation, and the rights of the Holder of such share or shares of Preferred Stock shall cease, at such time, and the Holder or Holders shall be deemed to have become the Holder or Holders of record of the shares of Common Stock represented thereby.

In the event that the shares of Common Stock issuable upon conversion of the Preferred, are not delivered within six (6) business days of the date the Corporation receives the Conversion Notice, the Corporation shall pay to the Holder, by wire transfer, as liquidated damages for such failure and not as a penalty, for each \$100,000 of Preferred sought to be converted, \$500 for each of the first five (5) calendar days and \$1,000 per calendar day thereafter that the shares of Common Stock are not delivered, which liquidated damages shall begin to run from the seventh (7th) business day after the Conversion Date. Any and all payments required pursuant to this paragraph shall be payable only in cash. Notwithstanding the above, liquidated damages shall not exceed \$2,000.00 per day. In addition to the liquidated damages set forth herein, in the event the Corporation fails to deliver the shares of Common Stock within six (6) business days after the Conversion date, the Corporation agrees to issue the larger number of shares of Common Stock derived from (i) the original Conversion Notice, or (ii) utilizing the five lowest closing bid prices of the Corporation's shares of Common Stock beginning on the Conversion Date and ending on the day the shares of Common Stock are delivered. The Corporation understands that a delay in the issuance of the shares of Common Stock could result in economic loss to the Holder. Nothing contained herein, or in the Preferred shall limit the Holder's rights to pursue actual damages for the Corporation's failure to issue and deliver shares of Common Stock to the Holder in accordance with the terms of the Certificate of Designations, and this Agreement.

(f) **Fractional Shares of Common Stock.** No fractional shares of Common Stock shall be issued upon conversion of any Preferred Stock into shares of Common Stock. All fractional shares of Common Stock shall be aggregated and then rounded down to the nearest whole share of Common Stock. In case the number of shares of Preferred Stock represented by the certificate or certificates surrendered pursuant to Subparagraph 5(d) exceeds the number of shares of Common Stock converted, the Corporation shall, upon such conversion, execute and deliver to the Holder, at the expense of the Corporation, a new certificate or certificates for the number of shares of Preferred Stock represented by the certificate or certificates surrendered which are not to be converted.

(g) **Merger or Consolidation.** In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the “Merger”), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the “Sale”), and such Merger or Sale becomes effective while any shares of Preferred Stock are outstanding and prior to the date that the Corporation’s Registration Statement covering all the shares of Common Stock issuable upon the conversion of the Preferred Stock is declared effective by the U.S. Securities and Exchange Commission (“Commission”), the Corporation or such successor corporation as the case may be, shall make appropriate provision so that the Holder of each share of Preferred Stock then outstanding shall have the right to convert such share of Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 5.

In the event of a Merger or Sale, where the Corporation is not the surviving Corporation, the Holder shall have the right to redeem all of the outstanding shares of Preferred Stock at 120% of the Liquidation Value of each share of Preferred Stock then outstanding plus all accrued and unpaid dividends (the “Redemption Amount”). The Corporation shall pay this Redemption Amount in cash within ten (10) business days of receipt by the Corporation of notice from the Holder, and receipt by the Corporation of all outstanding shares of Preferred Stock duly endorsed by the Holder to the Corporation.

(h) **Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock.** If the Corporation at any time or from time to time while shares of Preferred Stock are issued and outstanding shall declare or pay, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

(i) **Adjustments for Reclassification and Reorganization.** If the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of Common Stock of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination or shares of Common Stock provided for in Section 5(h) hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the holders of Preferred Stock would otherwise have been entitled to receive, a number of shares of Common Stock of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the Preferred Stock immediately before that change.

6 Redemption.

(a) **Redemption at Corporation's Option.** Except as otherwise provided in this Section 6, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time the then outstanding Series 16 Class P Preferred Stock at the following cash redemption prices if redeemed during the following periods: (i) within twelve (12) months from April 20, 1999 - \$1,100 per share, and (ii) after twelve (12) months from April 20, 1999 - \$1,200 per share (as applicable, the redemption price of \$1,100 or \$1,200 is referred to herein as the "Redemption Price").

(b) **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Series 16 Class P Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each holder of record on such notice date of the Series 16 Class P Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Series 16 Class P Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Series 16 Class P Preferred Stock to be redeemed from such holder, and (iv) instructions as to how to specify to the Corporation the number of Series 16 Class P Preferred Stock to be redeemed as provided in this Part 6 and, if the Redemption Notice is mailed to the Holder after the first twelve (12) months from April 20, 1999, the number of shares to be converted into Common Stock as provided in Part 5 hereof.

(c) **Rights of Conversion Upon Redemption.** If the redemption occurs during the first twelve (12) months after April 20, 1999, the holder may not convert any redeemed shares. If the redemption occurs after the first twelve (12) months after April 20, 1999, then, upon receipt of the Redemption Notice, any holder of Series 16 Class P Preferred Stock shall have five business days during which it may exercise the option, at its sole election, to specify what portion of its Series 16 Class P Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Part 6 or converted into Common Stock in the manner provided in Part 5 hereof, except that, notwithstanding any provision of such Part 5 to the contrary, after twelve (12) months from April 20, 1999, such holder shall have the right to convert into Common Stock that number of Series 16 Class P Preferred Stock called for redemption in the Redemption Notice.

(d) **Surrender of Certificates.** On or before the Redemption Date in respect of any Series 16 Class P Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Series 16 Class P Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

(e) **Payment.** On the Redemption Date in respect of any Series 16 Class P Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Series 16 Class P Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Series 16 Class P Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

7. Assignment.

Subject to all applicable restrictions on transfer, the rights and obligations of the Corporation and the Holder of the Preferred Stock shall be binding upon and benefit the successors, assigns, heirs, administrators, and transferees of the parties,

8. Shares of Common Stock to be Reserved.

The Corporation, upon the effective date of this Certificate of Designations, has a sufficient number of shares of Common Stock available to reserve for issuance upon the conversion of all outstanding shares of Preferred Stock, pursuant to the terms and conditions set forth in Section 5, and exercise of the Warrants as defined in Section 12. The Corporation will at all times reserve and keep available out of its authorized shares of Common Stock, solely for the purpose of issuance upon the conversion of Preferred Stock, and exercise of the Warrants, as herein provided, such number of shares of Common Stock as shall then be issuable upon the conversion of all outstanding shares of Preferred Stock, and exercise of the Warrants. The Corporation covenants that all shares of Common Stock which shall be so issued shall be duly and validly issued, fully paid and non assessable. The Corporation will take such action as may be required, if the total number of shares of Common Stock issued and issuable after such action upon conversion of the Preferred Stock, and exercise of the Warrants would exceed the total number of shares of Common Stock then authorized by the Corporation's Certificate of Incorporation, as amended, or would exceed 19.99% of the shares of Common Stock then outstanding if required by law or the Rules and Regulations of NASDAQ or the National Securities Exchange applicable to the Corporation to take such action as a result of exceeding such 19.99%, in order to increase the number of shares of Common Stock to permit the Corporation to issue the number of shares of Common Stock required to effect conversion of the Preferred, and exercise of the Warrants, to a number sufficient to permit conversion of the Preferred Stock, and exercise of the Warrants, including, without limitation, engaging in reasonable efforts to obtain the requisite stockholder approval of any necessary amendment to the Corporation's Restated Certificate of Incorporation, and to obtain shareholders approval in order to effect conversion of the Preferred Stock, and exercise of the Warrants, if required by law or the rules or regulations of the NASDAQ or National Securities Exchange applicable to the Corporation.

8(a) Shareholder Approval. In connection with the issuance to the Holder of the shares of Preferred Stock, pursuant to this Certificate of Designations, the Corporation is also issuing (i) certain warrants "RBB Warrants") to the Holder pursuant to the terms of that certain Private Securities Subscription Agreement dated June 30, 1998 (the "Agreement"), providing for the purchase of up to 150,000 shares of Common Stock at an exercise price of \$2.50 per share and (ii) certain warrants (collectively, the "Liviakis Warrants") to Liviakis Financial Communication, Inc. ("Liviakas") and Robert B. Prag providing for the purchase of up to an aggregate of 2,500,000 shares of Common Stock at an exercise price of \$1.875 per share pursuant to the terms of that Liviakis Agreement dated June 30, 1998, between Liviakis and the Corporation.

If (i) the aggregate number of shares of Common Stock issued by the Corporation as a result of any or all of the following: (a) conversion of the Preferred Stock, (b) payment of dividends accrued on the Preferred Stock (c) exercise of the RBB Warrants, and (d) exercise of the Liviakis Warrants exceeds 2,388,347 shares of Common Stock (which equals 19.9% of the outstanding shares of Common Stock of the Corporation as of the date of this Certificate of Designations) and (ii) the Holder has converted or elects to convert any of the then outstanding shares of Preferred Stock pursuant to the terms of Section 5 at a Conversion Price less than \$ 1.875 (\$1.875 being the market value per share of Common Stock as quoted on the NASDAQ as of the close of business on June 30, 1998) pursuant to the terms of Section 5(c) hereof, other than if the Conversion Price is less than \$ 1.875 solely as a result of the anti-dilution provisions of Section 5(h) and (i) hereof, then, notwithstanding anything in Section 5 to the contrary, the Corporation shall not issue any shares of Common Stock as a result of receipt of a Conversion Notice unless and until the Corporation shall have obtained approval of its shareholders entitled to vote on the transactions in accordance with subparagraphs (25)(H)(i)d, <iv) and (v) of Rule 4310 of the NASDAQ Marketplace Rules ("Shareholder Approval").

If Shareholder Approval is required as set forth in the above paragraph, the Corporation shall take all necessary steps to obtain such Shareholder Approval upon receipt of the Conversion Notice triggering the need for Shareholder Approval ("Current Conversion Notice"). If the Corporation has not received from the Holder a Current Conversion Notice, the Holder, subsequent to January 1st, 1999 may, if the Corporation's shares of Common Stock trade, subsequent to January 1st, 1999, at a five (5) day average closing bid price below Two Dollars and 34/00 (\$2.34), upon written notice to the Corporation, require the Corporation to obtain Shareholder Approval ("Holder's Notice"). The Holder and the Corporation's officers and directors covenant to vote all shares of Common Stock over which they have voting control in favor of Shareholder Approval. If the Corporation does not obtain Shareholder Approval within ninety (90) days of the earlier of the Corporation's receipt of (i) the Current Conversion Notice or (ii) the Holder's Notice, and the Holder has not breached its covenant to vote all shares of Common Stock over which they have voting control in favor of Shareholder Approval, the Corporation shall pay in cash to the Holder liquidated damages, in an amount of 4% per month of the Liquidation Value of each share of Preferred Stock then outstanding, commencing on the 91st day of the Corporation's receipt of the Holder's Current Conversion Notice, and continuing every thirty (30) days pro-rata until such time the Corporation receives Shareholder Approval.

9. No Reissuance of Series 16 Class P Convertible Preferred Stock.

Shares of Preferred Stock which are converted into shares of Common Stock as provided herein shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of Preferred stock hereafter created.

10. Closing of Books.

The Corporation will at no time close its transfer books against the transfer of any Preferred Stock or of any shares of Common Stock issued or issuable upon the conversion of any shares of Common Stock of Preferred Stock in any manner which interferes with the timely conversion of such Preferred Stock, except as may otherwise be required to comply with applicable securities laws.

11. No Preemptive Rights.

The Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

12. Definition of Shares.

As used in this Certificate of Designations, the term “shares of Common Stock” shall mean and include the Corporation’s authorized common stock, par value \$.001, as constituted on the date of filing of these terms of the Preferred Stock, or in case of any reorganization, reclassification, or stock split of the outstanding shares of Common Stock thereof, the stock, securities or assets provided for hereof. The term “Warrants” as used herein shall have the same meaning as defined in Section 1 of the Private Securities Subscription Agreement, dated June 30, 1998, between the Company and RBB Bank Aktiengesellschaft.

The said determination of the designations, preferences and relative, participating, optional or other rights, and the qualifications, limitations or restrictions thereof, relating to the Preferred Stock was duly made by the Board of Directors pursuant to the provisions of the Corporation’s Restated Certificate of Incorporation and in accordance with the provisions of the Delaware General Corporation Law.

**CERTIFICATE OF ELIMINATION
OF
SERIES 11 CLASS K CONVERTIBLE PREFERRED STOCK
AND
SERIES 12 CLASS L CONVERTIBLE PREFERRED STOCK
AND
SERIES 13 CLASS M CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation") hereby certifies the following:

1. That the Certificate of Designations of Series 11 Class K Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 11 Preferred") was filed with the Delaware Secretary of State on July 15, 1999 (the "Series 11 Certificate of Designations").
2. That all outstanding shares of the Series 11 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance with the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank Aktiengesellschaft, dated as of August 3, 1999.
3. That no shares of Series 11 Preferred remain outstanding.
4. That all shares of the Series 11 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
5. That effective August 3, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 11 Class K Convertible Preferred Stock, no authorized shares of Series 11 Class K Convertible Preferred Stock will remain outstanding and no shares of Series 11 Class K Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 11 Class K Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company, are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:33 PM 08/10/1999
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Certificate of Elimination to the Secretary of State of Delaware regarding the Series 11 Class K Convertible Preferred Stock.

6. That the Certificate of Designations of the Series 12 Class L Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 12 Preferred") was filed on July 15, 1999 (the "Series 12 Certificate of Designations").
7. That all outstanding shares of the Series 12 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance with the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank, dated as of August 3, 1999.
8. That no shares of Series 12 Preferred remain outstanding.
9. That all shares of the Series 12 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
10. That effective August 3, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the series 12 Class L Convertible Preferred Stock, no authorized shares of Series 12 Class L Convertible Preferred Stock will remain outstanding and no shares of Series 12 Class L Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 12 Class L Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 12 Class L Convertible Preferred Stock.

11. That the Certificate of Designations of the Series 13 Class M Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 13 Preferred") was filed on July 15, 1999 (the "Series 13 Certificate of Designations").
12. That all outstanding shares of the Series 13 Preferred have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance to the terms and conditions of a certain Exchange Agreement between the Company and RBB Bank, dated as of August 3, 1999.

13. That no shares of Series 13 Preferred remain outstanding.

14. That all shares of the Series 13 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

15. That effective August 3, 1999, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 13 Class M Convertible Preferred Stock, no authorized shares of Series 13 Class M Convertible Preferred Stock will remain outstanding and no shares of Series 13 Class M Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 13 Class M Convertible Preferred Stock.

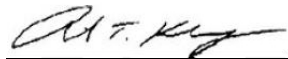
FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 13 Class M Convertible Preferred Stock.

16. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series 11 Class K Convertible Preferred Stock, the Series 12 Class L Convertible Preferred Stock, and the Series 13 Class M Convertible Preferred Stock

IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 18th day of August, 1999, by the President of the Company.

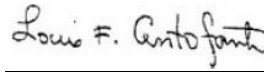
ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecyc, Secretary
(SEAL)

By



Dr. Louis F. Centofanti, President

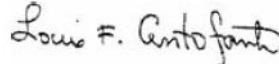
**CERTIFICATE OF DESIGNATIONS
OF SERIES 17 CLASS Q CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware, does hereby certify:

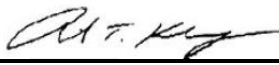
That, pursuant to authority conferred upon by the Board of Directors by the Corporation's Restated Certificate of Incorporation, as amended, and pursuant to the provisions of Section 151 of the Delaware Corporation Law, the Board of Directors of the Corporation has adopted resolutions, a copy of which is attached hereto, establishing and providing for the issuance of a series of Preferred Stock designated as Series 17 Class Q Convertible Preferred Stock and has established and fixed the voting powers, designations, preferences and relative participating, optional and other special rights and qualifications, limitations and restrictions of such Series 17 Class Q Convertible Preferred Stock as set forth in the attached resolutions.

Dated: May 25, 2001.

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By 
Dr. Louis F. Centofanti
Chairman of the Board

ATTEST:


Richard T. Kelec, Secretary

PERMA-FIX ENVIRONMENTAL SERVICES, INC.
(the "Corporation")

RESOLUTION OF THE BOARD OF DIRECTORS

**FIXING THE NUMBER AND DESIGNATING THE RIGHTS, PRIVILEGES,
RESTRICTIONS AND CONDITIONS ATTACHING TO THE
SERIES 17 CLASS Q CONVERTIBLE PREFERRED STOCK**

RE: DESIGNATION OF SERIES 17 CLASS Q CONVERTIBLE PREFERRED STOCK.

RESOLVED: That the designations, powers, preferences and rights of the Series 17 Class Q Convertible Preferred Stock be, and they hereby are, as set forth below:

1. Designation, Number of Shares of Preferred Stock of Series 17 Class Q Convertible Preferred Stock and Dividends.

The Corporation hereby authorizes the issuance of up to two thousand five hundred (2,500) shares of Series 17 Class Q Convertible Preferred Stock, par value \$.001 per share (the "Preferred Stock"). The holders of the Preferred Stock (individually, the "Holder," and collectively, the "Holders") are entitled to receive if, when and as declared by the Board of Directors of the Corporation (the "Board") out of funds legally available therefore, cumulative dividends at an annual dividend rate, based on a 365 day calendar year, of 5% of the Liquidation Value (as defined in Section 3 hereof) ("Dividend Rate") for each share of the Preferred Stock then issued and outstanding as of the acceptable declaration of such dividend, payable semiannually within ten (10) business days after each subsequent June 30th and December 31st (each a "Dividend Declaration Date"), and shall be payable in cash or shares of the Corporation's common stock, par value \$.001 per share ("Common Stock"), at the Corporation's option. The first Dividend Declaration Date shall be December 31st, 2001. Dividends shall be paid only with respect to the shares of Preferred Stock actually issued and outstanding on the Dividend Declaration Date and to Holders of record on the Dividend Declaration Date. Dividends shall accrue from the first day of the semi-annual dividend period in which such dividend may be payable, except with respect to the first semi-annual dividend which shall accrue from the date of the issuance of the Preferred Stock.

In the event that the Board elects to pay the accrued dividends due as of a Dividend Declaration Date on the outstanding shares of Preferred Stock in Common Stock of the Corporation, the Holder of each share of Preferred Stock shall receive that number of shares of Common Stock equal to the product of (a) the quotient of (i) the Dividend Rate divided by (ii) the average of the average closing bid quotation of the Corporation's Common Stock as reported on the National Association of Securities Dealers Automated Quotation system ("NASDAQ"), or if the Common Stock is not listed for trading on the NASDAQ but is listed for trading on a national securities exchange, the average closing price of the Common Stock as quoted on such national exchange, for the five (5) trading days immediately prior to the Dividend Declaration Date (the "Stock Dividend Price"), times (b) a fraction, the numerator of which is the number of days elapsed during the period for which the dividend is to be paid, and the denominator of which is 365. Dividends on the Preferred Stock shall be cumulative, and no dividends or other distributions shall be paid or declared or set aside for payment on the Corporation's Common Stock until all accrued and unpaid dividends on all outstanding shares of Preferred Stock shall have been paid or declared and set aside for payment.

2. Voting.

Except as provided under Section 242(2) of the Delaware General Corporation Law ("GCL"), the Preferred Stock shall not have any voting rights and the Holders of the Preferred Stock shall not have the right to vote on any matter. Notwithstanding the provisions of Section 242 of the GCL, the number of authorized shares of any class or classes of stock of the Corporation may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation entitled to vote thereon, voting together as a single class, irrespective of the provisions of Section 242 of the GCL.

3. Liquidation.

In the event of a voluntary or involuntary dissolution, liquidation, or winding up of the Corporation, the Holders of the Preferred Stock shall be entitled to receive out of the assets of the Corporation legally available for distribution to holders of its capital stock, before any payment or distribution shall be made to holders of shares of Common Stock or any other class of stock ranking junior to the Preferred Stock, an amount per share of the Preferred Stock equal to \$1.000 (the "Liquidation Value"), plus any accrued and unpaid dividends on the Preferred Stock. If upon such liquidation, dissolution, or winding up of the Corporation, whether voluntary or involuntary, the assets to be distributed among the Holders of the Preferred Stock shall be insufficient to permit payment to the Holders of the Preferred Stock of the amount distributable as aforesaid, then the entire assets of the Corporation to be so distributed shall be distributed ratably among the Holders of the Preferred Stock and shares of such other classes or series ranking on a parity with the shares of the Preferred Stock in proportion to the full distributable amounts for which holders of all such parity shares are entitled upon such distribution, liquidation, or winding up. Upon any such liquidation, dissolution or winding up of the Corporation, after the Holders of Preferred Stock shall have been paid in full the amounts to which they shall be entitled, the remaining net assets of the Corporation may be distributed to the holders of stock ranking on liquidation junior to the Preferred Stock and the Holders of the Preferred Stock shall have no right or claim to any of the remaining assets of the Corporation. Written notice of such liquidation, dissolution or winding up, stating a payment date, the amount of the liquidation payments and the place where said liquidation payments shall be payable, shall be given by mail, postage prepaid or by telex or facsimile to non-U.S. residents, not less than 10 days prior to the payment date stated therein, to the Holders of record of the Preferred Stock, such notice to be addressed to each such Holder at its address as shown by the records of the Corporation. For purposes hereof, the shares of Common Stock shall rank on liquidation junior to the Preferred Stock.

4. Optional Conversion.

The Holders of shares of Preferred Stock shall have the following conversion rights to convert the shares of Preferred Stock into shares of Common Stock of the Corporation as follows;

(a) Intentionally left blank.

(b) Right to Convert; Conversion Price. Subject to the terms hereof, as used herein the term Conversion Price per outstanding share of Preferred Stock shall be One Dollar and 50/100 (\$1.50). If any of the outstanding shares of Preferred Stock are converted, in whole or in part, into Common Stock pursuant to the terms of this Section 4, the number of shares of whole Common Stock to be issued as a result of such conversion shall be determined by dividing (a) the aggregate Liquidation Value of the Preferred Stock so surrendered for conversion by (b) the Conversion Price in effect on the date of that particular Conversion Notice relating to such conversion. At the time of conversion of shares of the Preferred Stock, the Corporation shall pay in cash to the Holder thereof an amount equal to all unpaid and accrued dividends, if any, accrued thereon on the shares of the Preferred Stock so converted to the date of the Conversion Notice relating to the shares of Preferred Stock so converted under such conversion, or, at the Corporation's option, in lieu of paying cash for the accrued and unpaid dividends, issue that number shares of whole Common Stock which is equal to the quotient of the amount of such unpaid and accrued dividends to the date of the Conversion Notice relating to such conversion of the shares of Preferred Stock so converted divided by the Stock Dividend Price in effect at the date of the Conversion Notice relating to such conversion.

(c) Conversion Notice. The right of conversion shall be exercised by the Holder thereof by telecopying or faxing an executed and completed written notice signed by an authorized representative of the Holder ("Conversion Notice"), to the Corporation that the Holder elects to convert a specified number of shares of Preferred Stock representing a specified Liquidation Value thereof into shares of Common Stock and by delivering by express courier the certificate or certificates of Preferred Stock being converted to the Corporation at its principal office (or such other office or agency of the Corporation as the Corporation may designate by notice in writing to the Holders of the Preferred Stock). The business date indicated on a Conversion Notice which is telecopied to and received by the Corporation in accordance with the provisions hereof shall be deemed a Conversion Date. The Conversion Notice shall include therein the Liquidation Value of the shares of Preferred Stock to be converted, and a calculation (a) of the Stock Dividend Price, (b) the Conversion Price, and (c) the number of shares of Common Stock to be issued in connection with such conversion. The Corporation shall have the right to review the calculations included in the Conversion Notice, and shall provide notice of any discrepancy or dispute therewith within five (5) business days of the receipt thereof. The Holder shall deliver to the Corporation an original Conversion Notice and the original Preferred to be converted within three (3) business days from the date of the Conversion Notice.

(d) Issuance of Certificates -Time Conversion Effected. Promptly, but in no event more than fifteen (15) business days, after the receipt by facsimile of the Conversion Notice referred to in Section 4(c); and provided within the ten (10) business days the Corporation receives the certificate or certificates for the shares of Preferred Stock to be converted, the Corporation shall issue and deliver, or cause to be issued and delivered, to the Holder, registered in the name of the Holder, a certificate or certificates for the number of whole shares of Common Stock into which such shares of Preferred Stock are converted. Such conversion shall be deemed to have been effected as of the close of business on the date on which the telecopy or facsimile Conversion Notice shall have been received by the Corporation, and the rights of the Holder of such share or shares of Preferred Stock shall cease at such time, and the Holder or Holders shall be deemed to have become the holder or holders of record of the shares of Common Stock represented thereby.

(e) Fractional Shares of Common Stock. No fractional shares of Common Stock shall be issued upon conversion of any Preferred Stock into shares of Common Stock. All fractional shares of Common Stock shall be aggregated and then rounded down to the nearest whole share of Common Stock. In case the number of shares of Preferred Stock represented by the certificate or certificates surrendered pursuant to this Section 4(c) exceeds the number of shares of Common Stock converted, the Corporation shall, upon such conversion, execute and deliver to the Holder, at the expense of the Corporation, a new certificate or certificates for the number of shares of Preferred Stock represented by the certificate or certificates surrendered which are not to be converted.

(f) Merger or Consolidation. In case of either (a) any merger or consolidation to which the Corporation is a party (collectively, the “Merger”), other than a Merger in which the Corporation is the surviving or continuing corporation, or (b) any sale or conveyance to another corporation of all, or substantially all, of the assets of the Corporation (collectively, the “Sale”), and such Merger or Sale becomes effective while any shares of Preferred Stock are outstanding and prior to the date that the Corporation’s Registration Statement covering all the Conversion Shares is declared effective by the U. S. Securities and Exchange Commission (“SEC”), the Corporation or such successor corporation as the case may be, shall make appropriate provision so that the Holder of each share of Preferred Stock then outstanding shall have the right to convert such share of Preferred Stock into the kind and amount of shares of stock or other securities and property receivable upon such Merger or Sale by a holder of the number of shares of Common Stock into which such shares of Preferred Stock could have been converted into immediately prior to such Merger or Sale, subject to adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 4.

(g) Adjustments to Conversion Price for Stock Dividends and for Combinations or Subdivisions of Common Stock. If the Corporation, at any time or from, time to time while shares of Preferred Stock are issued and outstanding, shall declare or pay, any dividend on the Common Stock payable in Common Stock, or shall effect a subdivision of the outstanding shares of Common Stock into a greater number of shares of Common Stock (by stock split, reclassification or otherwise than by payment of a dividend in Common Stock), or if the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, then the Conversion Price in effect immediately before such event shall, concurrently with the effectiveness of such event, be proportionately decreased or increased, as appropriate.

(h) Adjustments for Reclassification and Reorganization. If the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of common stock of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination or shares of Common Stock provided for in Section 5(g) hereof), the Conversion Price then in effect shall, concurrently with the effectiveness of such reorganization or reclassification, be proportionately adjusted so that the Preferred Stock shall be convertible into, in lieu of the number of shares of Common Stock which the Holders of Preferred Stock would otherwise have been entitled to receive, a number of shares of common stock of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the Holders upon conversion of the Preferred Stock immediately before that change.

(i) Other Adjustments to Conversion Price. Except as provided in subsection 4(j), if, after the Closing Date and during the period that any of the Preferred Stock is issued and outstanding, the Corporation shall sell (a) any shares of Common Stock for a consideration per share less than the Conversion Price in effect immediately prior to such sale, or (b) any rights, warrants or other securities entitling the holders thereof to convert such securities into Common Stock at a price per share (determined by dividing (i) the total amount, if any, received or receivable by the Corporation in consideration of the sale of such rights, warrants or other securities plus the total amount, if any, payable to the Corporation upon exercise or conversion thereof by (ii) the number of additional shares of Common Stock issuable upon exercise or conversion of such securities) which is less than the Conversion Price in effect on the date of such sale, the Conversion Price shall be adjusted as of the date of such sale to the amount per share received and to be received by the Corporation in connection with such sale, conversion and exercise as determined above. The Holders may, if approved by the Holders of record representing a majority of the then issued and outstanding shares of Preferred Stock, waive their rights to any adjustment to the Conversion Price in connection with a particular sale covered by this Section 4(i), and, in the event of such waiver, no adjustment to the Conversion Price shall be made under this Section 4(i) as a result of such sale.

(j) No Adjustments. No adjustment in the Conversion Price shall be required in the case of (i) the grant by the Corporation of stock options to employees of the Corporation under a Stock Option Plan approved by the stockholders of the Company or (ii) the issuance of shares of Common Stock upon the exercise of stock options (a) referred to in clause (i) hereof and (b) granted by the Corporation which grant had triggered an adjustment in the Conversion Price.

5. Redemption.

(a) **Redemption at Corporation's Option.** Except as otherwise provided in this Section 5, at any time, and from time to time, the Corporation may, at its sole option, but shall not be obligated to, redeem, in whole or in part, at any time, and from time to time the then outstanding Preferred Stock at the following cash redemption prices if redeemed during the following periods: (i) within twelve (12) months from June 1, 2001 - \$1,100 per share, and (ii) after June 1, 2002 - \$1,200 per share (as applicable, the redemption price of \$1,100 or \$1,200 is referred to herein as the "Redemption Price"),

(b) **Mechanics of Redemption.** Prior to any date stipulated by the Corporation for the redemption of Preferred Stock (the "Redemption Date"), written notice (the "Redemption Notice") shall be mailed to each Holder of record on such notice date of the Preferred Stock. The Redemption Notice shall state: (i) the Redemption Date of such shares, (ii) the number of Preferred Stock to be redeemed from the holder to whom the Redemption Notice is addressed, (iii) instructions for surrender to the Corporation, in the manner and at the place designated, of a share certificate or share certificates representing the number of Preferred Stock to be redeemed from such Holder, and (iv) instructions as to how to specify to the Corporation the number of Preferred Stock to be redeemed as provided in this Section 5.

(c) **Rights of Conversion Upon Redemption.** If the redemption occurs, then, upon receipt of the Redemption Notice, any Holder of Preferred Stock shall have five business days during which it may exercise the option, at its sole election, to specify what portion of its Preferred Stock called for redemption in the Redemption Notice shall be redeemed as provided in this Section 5 or converted into Common Stock in the manner provided in Section 4 hereof.

(d) **Surrender of Certificates.** On or before the Redemption Date in respect of any Preferred Stock, each holder of such shares shall surrender the required certificate or certificates representing such shares to the Corporation in the manner and at the place designated in the Redemption Notice, and upon the Redemption Date, the Redemption Price for such shares shall be made payable, in the manner provided hereof, to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered share certificate shall be canceled and retired. If a share certificate is surrendered and all the shares evidenced thereby are not being redeemed (as described below), the Corporation shall cause the Preferred Stock which are not being redeemed to be registered in the names of the persons or entity whose names appear as the owners on the respective surrendered share certificates and deliver such certificate to such person.

(e) **Payment.** On the Redemption Date in respect of any Preferred Stock or prior thereto, the Corporation shall deposit with any bank or trust company having a capital and surplus of at least \$50,000,000, as a trust fund, a sum equal to the aggregate Redemption Price of all such shares called from redemption (less the aggregate Redemption Price for those Preferred Stock in respect of which the Corporation has received notice from the holder thereof of its election to convert Preferred Stock into Common Stock), with irrevocable instructions and authority to the bank or trust company to pay, on or after the Redemption Date, the Redemption Price to the respective holders upon the surrender of their share certificates. The deposit shall constitute full payment for the shares to their holders, and from and after the date of the deposit the redeemed shares shall be deemed to be no longer outstanding, and holders thereof shall cease to be shareholders with respect to such shares and shall have no rights with respect thereto except the rights to receive from the bank or trust company payments of the Redemption Price of the shares, without interest, upon surrender of their certificates thereof. Any funds so deposited and unclaimed at the end of one year following the Redemption Date shall be released or repaid to the Corporation, after which the former holders of shares called for redemption shall be entitled to receive payment of the Redemption Price in respect of their shares only from the Corporation.

6. Assignment.

Subject to all applicable restrictions on transfer, the rights and obligations of the Corporation and the Holder of the Preferred Stock shall be binding upon, and benefit the successors, assigns, heirs, administrators, and transferees of the parties.

7. Shares of Common Stock to be Reserved.

The Corporation, upon the effective date of this Certificate of Designations, has a sufficient number of shares of Common Stock available to reserve for issuance upon the conversion of all outstanding shares of Preferred Stock, pursuant to the terms and conditions set forth in Section 4. The Corporation will at all times reserve and keep available out of its authorized shares of Common Stock, solely for the purpose of issuance upon the conversion of Preferred Stock, as herein provided, such number of shares of Common Stock as shall then be issuable upon the conversion of all outstanding shares of Preferred Stock. The Corporation covenants that all shares of Common Stock which shall be so issued shall be duly and validly issued, fully paid and non assessable. The Corporation will take such action as may be required, if the total number of shares of Common Stock issued and issuable after such action upon conversion of the Preferred Stock would exceed the ratal number of shares of Common Stock then authorized by the Corporation's Certificate of Incorporation, as amended, in order to increase the number of shares of Common Stock to permit the Corporation to issue the number of shares of Common Stock required to effect conversion of the Preferred Stock, and exercise of the Warrants, to a number sufficient to permit conversion of the Preferred Stock.

8. No Reissuance of Preferred Stock.

Shares of Preferred Stock which are converted into shares of Common Stock as provided herein shall be retired and shall become authorized but unissued shares of Preferred Stock, which may be reissued as part of a new series of preferred stock hereafter created.

9. Closing of Books.

The Corporation will at no time close its transfer books against the transfer of any Preferred Stock or of any shares of Common Stock issued or issuable upon the conversion of any shares of Common Stock of Preferred Stock in any manner which interferes with the timely conversion of such Preferred Stock, except as may otherwise be required to comply with applicable securities laws.

10. No Preemptive Rights.

The Preferred Stock shall not give its holders any preemptive rights to acquire any other securities issued by the Corporation at any time in the future.

11. Definition of Shares.

As used in this Certificate of Designations, the term “shares of Common Stock” shall mean and include the Corporation’s authorized common stock, par value \$.001, as constituted on the date of filing of these terms of the Preferred Stock, or in case of any reorganization, reclassification, or stock split of the outstanding shares of Common Stock thereof, the stock, securities or assets provided for hereof.

The said determination of the designations, preferences and relative, participating, optional or other rights, and the qualifications, limitations or restrictions thereof, relating to the Preferred Stock was duly made by the Board of Directors pursuant to the provisions of the Corporation’s Restated Certificate of Incorporation and in accordance with the provisions of the Delaware General Corporation Law.

**CERTIFICATE OF ELIMINATION
OF
SERIES 14 CLASS N CONVERTIBLE PREFERRED STOCK
AND
SERIES 15 CLASS O CONVERTIBLE PREFERRED STOCK
AND
SERIES 16 CLASS P CONVERTIBLE PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of Series 14 Class N Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 14 Preferred") was filed with the Delaware Secretary of State on August 10, 1999 (the "Series 14 Certificate of Designations").
2. That a portion of the outstanding shares of the Series 14 Preferred have been converted into common stock of the Corporation and all of the remaining balance have been delivered to the Company and exchanged pursuant to an agreement with the holder thereof in accordance with the terms and conditions of a certain Conversion and Exchange Agreement between the Company and RBB Bank Aktiengesellschaft, dated as of May 25, 2001 ("Exchange Agreement").
3. That no shares of Series 14 Preferred remain outstanding.
4. That all shares of the Series 14 Preferred which have been exchanged have the status of authorized and unissued shares of the preferred stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.
5. That effective May 25, 2001, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the conversion and exchange with the holder of the Series 14 Class N Convertible Preferred Stock, no authorized shares of Series 14 Class N Convertible Preferred Stock will remain outstanding and no shares of Series 14 Class N Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 14 Class N Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 14 Class N Convertible Preferred Stock.

6. That the Certificate of Designations of the Series 15 Class O Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 15 Preferred") was filed on August 10, 1999 (the "Series 15 Certificate of Designations").

7. That all outstanding shares of the Series 15 Preferred have been delivered to the Company and exchanged pursuant to the Exchange Agreement.

8. That no shares of Series 15 Preferred remain outstanding.

9. That all shares of the Series 15 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

10. That effective May 25, 2001, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 15 Class O Convertible Preferred Stock no authorized shares of Series 15 Class O Convertible Preferred Stock will remain outstanding and no shares of Series 15 Class O Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 15 Class O Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 15 Class O Convertible Preferred Stock.

11. That the Certificate of Designations of the Series 16 Class P Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 16 Preferred") was filed on August 10, 1999 (the "Series 16 Certificate of Designations").

12. That all outstanding shares of the Series 16 Preferred have been delivered to the Company and exchanged pursuant to the Exchange Agreement.

13. That no shares of Series 16 Preferred remain outstanding.

14. That all shares of the Series 16 Preferred which have been exchanged have the status of authorized and unissued shares of the Preferred Stock of the Corporation without designation as to series, until such shares are once more designated as part of a particular series by the Board of Directors.

15. That effective May 25, 2001, the Board of Directors of the Company duly adopted the following resolutions:

RESOLVED, that upon completion of the exchange with the holder of the Series 16 Class P Convertible Preferred Stock, no authorized shares of Series 16 Class P Convertible Preferred Stock will remain outstanding and no shares of Series 16 Class P Convertible Preferred Stock will be issued subject to the Certificate of Designations previously filed with respect to the Series 16 Class P Convertible Preferred Stock.

FURTHER RESOLVED, that upon completion of the exchange, the officers of the Company are hereby authorized and directed, for and on behalf of the Company, to execute and deliver an appropriate Certificate of Elimination to the Secretary of State of Delaware regarding the Series 16 Class P Convertible Preferred Stock.

16. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Restated Certificate of Incorporation only those matters set forth in the Restated Certificate of Incorporation with respect to the Series 14 Class N Convertible Preferred Stock, the Series 15 Class O Convertible Preferred Stock, and the Series 16 Class P Convertible Preferred Stock

IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 25th day of May, 2001, by the President of the Company.

ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Richard T. Kelecy, Secretary
(SEAL)



By: _____
Dr. Louis F. Centofanti, President

**CERTIFICATE OF AMENDMENT
OF
RESTATED CERTIFICATE OF INCORPORATION,
AS AMENDED,
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

Perma-Fix Environmental Services, Inc., a Delaware corporation (the "Corporation"), for purposes of amending its Restated Certificate of Incorporation, as amended, ("Restated Certificate of Incorporation"), as provided by Section 242 of the Delaware General Corporation Law, does hereby certify:

1. The amendment set forth below to the Restated Certificate of Incorporation was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware:

The first paragraph of Article Fourth of the Corporation's Restated Certificate of Incorporation, as amended, is hereby deleted and replaced in its entirety by the following:


FOURTH: The total number of shares of capital stock that the Corporation shall have authority to issue is 77,000,000, of which 75,000,000 shall be designated as common stock; par value \$.001 per share ("Common Stock"), and 2,000,000 shall be designated as preferred stock, par value \$.001 per share ("Preferred Stock").

2. Only the first paragraph of Article Fourth is amended by this Amendment, and the remainder of Article Fourth shall remain in full force and effect. No other provision, paragraph or article of the Restated Certificate of Incorporation is amended or changed by this Amendment. "The Restated Certificate of Incorporation, as expressly amended by paragraph 1 of this Amendment, shall be in full force and effect.

3. The Board of Directors, on March 13, 2002, unanimously adopted the foregoing proposed amendment to the first paragraph of Article Fourth of the Restated Certificate of Incorporation declared such amendment to be advisable, and set a Special Meeting of Stockholders for consideration thereof. A Special Meeting of Stockholders was duly called and held on June 14, 2002, at which meeting the necessary number of shares as required by law and the Restated Certificate of Incorporation were voted in favor of such amendment.

IN WITNESS whereof, Perma-Fix Environmental Services, Inc, has caused this Certificate of Amendment to be signed and attested to by its duly authorized officers as of this 19th day of June, 2002.

Perma-Fix Environmental Services, Inc.,
a Delaware corporation

By: 

Richard T. Kelecyc,
Vice President and Chief Financial Officer

CERTIFICATE OF DESIGNATIONS

of

SERIES A JUNIOR PARTICIPATING PREFERRED STOCK

of

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

(Pursuant to Section 151 of the
Delaware General Corporation Law)

PERMA-FIX ENVIRONMENTAL SERVICES INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies that the following resolution was duly adopted by the Board of Directors of the Corporation as required by Section 151 of the General Corporation Law at a meeting duly called and held on May 2, 2008:

Creation of Series A Junior Participating Preferred Stock

RESOLVED, that pursuant to the authority granted to and vested in the Board of Directors of this Corporation (hereinafter called the "Board of Directors" or the "Board") in accordance with the provisions of the Corporation's Restated Certificate of Incorporation, as amended, the Board of Directors hereby creates a new series of Preferred Stock, par value \$.001 per share, designated as Series A Junior Participating Preferred Stock, par value \$.001 per share, of the Corporation and hereby states the designation and number of shares, and does hereby establish and fix the relative rights, preferences, designations and relative participating, optional and other special rights, and qualifications, limitations and restrictions thereof as follows:

Series A Junior Participating Preferred Stock:

Section 1. Designation and Amount. The shares of such series shall be designated as "Series A Junior Participating Preferred Stock" ("Series A Preferred Stock"), par value \$.001 per share, and the number of shares constituting the Series A Preferred Stock shall be 600,000. Such number of shares of Series A Preferred Stock may be increased or decreased by resolution of the Board of Directors; provided, that no decrease shall reduce the number of shares of Series A Preferred Stock to a number less than the number of shares then outstanding plus the number of shares reserved for issuance upon the exercise of outstanding options, rights or warrants or upon the conversion of any outstanding securities issued by the Corporation convertible into Series A Preferred Stock.

Section 2. Dividends and Distributions.

(a) Subject to the prior and superior rights of the holders of any shares of any series of the Corporation's preferred stock ranking prior and superior to the shares of Series A Preferred Stock with respect to dividends, if any, the holders of shares of Series A Preferred Stock, in preference to the holders of Common Stock, par value \$.001 per share (the "Common Stock"), of the Corporation, and of any other junior stock, shall be entitled to receive, when, as and if declared by the Board of Directors out of funds legally available for the purpose, quarterly dividends payable in cash on the last business day of March, June, September and December in each year (each such date being referred to herein as a "Quarterly Dividend Payment Date"), commencing on the first Quarterly Dividend Payment Date after the first issuance of a share or fraction of a share of Series A Preferred Stock, in an amount per share (rounded to the nearest cent) equal to the greater of (a) \$1, or (b) subject to the provision for adjustment hereinafter set forth, 100 times the aggregate per share amount of all cash dividends, and 100 times the aggregate per share amount (payable in kind) of all non-cash dividends or other distributions, other than a dividend payable in shares of the Common Stock, or a subdivision of the outstanding shares of Common Stock (by reclassification or otherwise), declared on the Common Stock since the immediately preceding Quarterly Dividend Payment Date or, with respect to the first Quarterly Dividend Payment Date, since the first issuance of any share or fraction of a share of Series A Preferred Stock. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the amount to which holders of shares of Series A Preferred Stock were entitled immediately prior to such event under clause (b) of the preceding sentence shall be adjusted by multiplying such amount by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

(b) The Corporation shall declare a dividend or distribution on the Series A Preferred Stock as provided in paragraph (a) of this Section immediately after it declares a dividend or distribution on the Common Stock (other than a dividend payable in shares of Common Stock); provided that, in the event no dividend or distribution shall have been declared on the Common Stock during the period between any Quarterly Dividend Payment Date and the next subsequent Quarterly Dividend Payment Date, a dividend of \$1 per share on the Series A Preferred Stock shall nevertheless be payable on such subsequent Quarterly Dividend Payment Date.

(c) Dividends shall begin to accrue and be cumulative on outstanding shares of Series A Preferred Stock from the Quarterly Dividend Payment Date next preceding the date of issue of such shares of Series A Preferred Stock, unless the date of issue of such shares is prior to the record date for the first Quarterly Dividend Payment Date, in which case dividends on such shares shall begin to accrue and be cumulative from the date of issue of such shares, or unless the date of issue is a Quarterly Dividend Payment Date or is a date after the record date for the determination of holders of shares of Series A Preferred Stock entitled to receive a quarterly dividend and before such Quarterly Dividend Payment Date, in either of which events such dividends shall begin to accrue and be cumulative from such Quarterly Dividend Payment Date. Accrued but unpaid dividends shall not bear interest. Dividends paid on the shares of Series A Preferred Stock in an amount less than the total amount of such dividends at the time accrued and payable on such shares shall be allocated pro rata on a share-by-share basis among all such shares at the time outstanding. The Board of Directors may fix a record date for the determination of holders of shares of Series A Preferred Stock entitled to receive payment of a dividend or distribution declared thereon, which record date shall be not be less than 10 days or more than 60 days prior to the date fixed for the payment thereof.

Section 3. Voting Rights. The holders of shares of Series A Preferred Stock shall have the following voting rights:

(a) Subject to the provision for adjustment hereafter set forth, each share of Series A Preferred Stock shall entitle the holder thereof to 100 votes on all matters submitted to a vote of the stockholders of the Corporation. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the number of votes per share to which holders of shares of Series A Preferred Stock were entitled immediately prior to such event shall be adjusted by multiplying such number by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

(b) Except as otherwise provided herein, in the Restated Certificate of Incorporation, as amended, of the Corporation, in any other Certificate of Designation of the Corporation or by applicable law, the holders of shares of Series A Preferred Stock, the holders of shares of Common Stock and the holders of any other class or series of capital stock of the Corporation having general voting rights shall vote together as one class on all matters submitted to a vote of stockholders of the Corporation.

(c) Except as set forth in this Certificate of Designation or as otherwise required by applicable law, holders of Series A Preferred Stock shall have no special voting rights and their consent shall not be required (except to the extent that they are entitled to vote with holders of Common Stock as set forth herein) for taking any corporate, action.

Section 4. Certain Restrictions.

(a) Whenever quarterly dividends or other dividends or distributions payable on the Series A Preferred Stock as provided in Section 2 hereof are in arrears, thereafter and until all accrued and unpaid dividends and distributions, whether or not declared, on shares of Series A Preferred Stock outstanding shall have been paid in full, or declared and a sum sufficient for the payment therefor be set apart for payment and be in the process of payment, the Corporation shall not:

(i) declare or pay dividends, or make any other distributions, on any shares of Common Stock or stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series A Preferred Stock;

(ii) declare or pay dividends, or make any other distributions, on any shares of stock ranking on a parity (either as to dividends or upon liquidation, dissolution or winding up) with the Series A Preferred Stock, except dividends paid ratably on the Series A Preferred Stock and all such parity stock on which dividends are payable or in arrears in proportion to the total amounts to which the holders of all such shares are then entitled;

(iii) redeem or purchase or otherwise acquire for consideration shares of any Common Stock or stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series A Preferred Stock, provided that the Corporation may at any time redeem, purchase or otherwise acquire shares of any such Common Stock or junior stock in exchange for shares of any stock of the Corporation ranking junior (either as to dividends or upon dissolution, liquidation or winding up) to the Series A Preferred Stock; or

(iv) redeem or purchase or otherwise acquire for consideration any shares of Series A Preferred Stock; or any shares of Common Stock or stock ranking on a parity with the Series A Preferred Stock, except in accordance with a purchase offer made in writing or by publication (as determined by the Board of Directors) to all holders of such shares upon such terms as the Board of Directors, after consideration of the respective annual dividend rates and other relative rights and preferences of the respective series and classes, shall determine in good faith will result in fair and equitable treatment among the respective series or classes.

(b) The Corporation shall not permit any subsidiary of the Corporation to purchase or otherwise acquire for consideration any shares of stock of the Corporation unless the Corporation could, under paragraph (a) of this Section 4, purchase or otherwise acquire such shares at such time and in such manner.

Section 5. Required Shares. Any shares of Series A Preferred Stock purchased or otherwise acquired by the Corporation in any manner whatsoever shall be retired and cancelled promptly after the acquisition thereof. All such shares shall upon their cancellation become authorized but unissued shares of preferred stock and may be reissued as part of a new series of preferred stock subject to the conditions and restrictions on issuance set forth herein, in the Restated Certificate of Incorporation, as amended, of the Corporation, or in any other Certificate of Designations creating a series of preferred stock or any similar stock or as otherwise required by law.

Section 6. Liquidation, Dissolution or Winding Up. Upon any liquidation, dissolution or winding up of the Corporation, no distribution shall be made (1) to the holders of shares of Common Stock or stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series A Preferred Stock unless, prior thereto, the holders of shares of Series A Preferred Stock shall have received \$100 per share, plus an amount equal to accrued and unpaid dividends and distributions thereon, whether or not declared, to the date of such payment, provided that the holders of shares of Series A Preferred Stock shall be entitled to receive an aggregate amount per share, subject to the provision for adjustment hereinafter set forth, equal to 100 times the aggregate amount to be distributed per share to holders of shares of Common Stock or stock ranking junior to the Series A Preferred Stock, or (2) to the holders of shares of stock ranking on a parity (either as to dividends or upon liquidation, dissolution or winding up) with the Series A Preferred Stock, except distributions made ratably on the Series A Preferred Stock and all such parity stock in proportion to the total amounts to which the holders of all such shares are entitled upon such liquidation, dissolution or winding up. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the aggregate amount to which holders of shares of Series A Preferred Stock were entitled immediately prior to such event under the proviso in clause (1) of the preceding sentence shall be adjusted by multiplying such amount by a fraction the numerator of which is the number of shares of Common Stock outstanding immediately after such event, and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

Section 7. Consolidation Merger, etc. In case the Corporation shall enter into any consolidation, merger, combination or other transaction in which the shares of Common Stock are exchanged for or changed into other stock or securities, cash and/or any other property, then in any such case each share of Series A Preferred Stock shall at the same time be similarly exchanged or changed into an amount per share, subject to the provision for adjustment hereinafter set forth, equal to 1.00 times the aggregate amount of stock, securities, cash and/or any other property (payable in kind), as the case may be, into which or for which each share of Common Stock is changed or exchanged. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the amount set forth in the preceding sentence with respect to the exchange or change of shares of Series A Preferred Stock shall be adjusted by multiplying such amount by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

Section 8. No Redemption. The shares of Series A Preferred Stock shall not be redeemable.

Section 9. Ranking. The Series A Preferred Stock shall rank junior to all other series of the Corporation's Preferred Stock as to the payment of dividends and the distribution of assets upon any liquidation, dissolution or winding up of the Corporation unless the terms of any such series shall provide otherwise.

Section 10. Amendment. So long as any shares of the Series A Preferred Stock are outstanding, the Corporation shall not, without the affirmative vote of at least two-thirds in number of shares of the Series A Preferred Stock then outstanding, amend, alter, or repeal any of the provisions of this Certificate of Designations or the Corporation's Restated Certificate of Incorporation, as amended, so as to affect adversely the preferences, special rights or powers of the shares of Series A Preferred Stock.

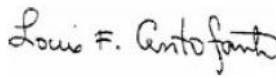
IN WITNESS WHEREOF, this Certificate of Designation is executed on behalf of the Corporation by its President and attested by its Secretary this 2nd day of May, 2008.

ATTEST:

PERMA-FIX ENVIRONMENTAL SERVICES, INC.



Steven Baughman, Secretary
(S E A L)



By: _____
Dr. Louis F. Centofanti, President

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PERMA-FIX ENVIRONMENTAL SERVICES, INC.", FILED IN THIS OFFICE ON THE ELEVENTH DAY OF OCTOBER, A.D. 2013, AT 10:05 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line.

Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 0807617

2249849 8100

131187648

You may verify this certificate online
at corp.delaware.gov/authver.shtml

DATE: 10-11-13

CERTIFICATE OF AMENDMENT
OF
THE RESTATED CERTIFICATE OF INCORPORATION, AS AMENDED, OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

FIRST: The name of the corporation is Perma-Fix Environmental Services, Inc. (the "Corporation").

SECOND: At a meeting of the Board of Directors of the Corporation, resolutions were duly adopted declaring the advisability of an amendment to the Corporation's Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation"), as follows, and providing that:

The first two paragraphs of Article Fourth of the Corporation's Certificate of Incorporation are hereby deleted in their entirety and replaced in their entirety by the following:

"FOURTH: The total number of shares of capital stock that the Corporation shall have authority to issue is 77,000,000, of which 75,000,000 shall be designated as common stock, par value \$.001 per share ("Common Stock"), and 2,000,000 shall be designated as preferred stock, par value \$.001 per share ("Preferred Stock").

Upon this Certificate of Amendment of the Certificate of Incorporation of the Corporation becoming effective in accordance with the terms hereof and pursuant to the General Corporation Law of the State of Delaware (the "Amendment Effective Time"), every five (5) shares of the Corporation's Common Stock (the "Old Common Stock"), issued and outstanding immediately prior to the Amendment Effective Time, will be automatically reclassified as and converted into one share of common stock, par value \$.001 per share, of the Corporation (the "New Common Stock")(such formula herein, the "Determined Ratio"). Further, every right, option and warrant to acquire shares of Old Common Stock outstanding immediately prior to the Amendment Effective Time shall, as of the Amendment Effective Time and without any further action, automatically be reclassified into the right to acquire one (1) share of New Common Stock based on the Determined Ratio of shares of Old Common Stock to shares of New Common Stock, but otherwise upon the terms of such right, option or warrant (except that the exercise or purchase price of such right, option or warrant shall be proportionately adjusted).

Notwithstanding the immediately preceding paragraph, the Corporation shall not be required to issue or deliver any fractional shares of New Common Stock. Each holder of such New Common Stock shall be entitled to receive for such fractional interest, and at the Amendment Effective Time any such fractional interest in such shares of New Common Stock shall be converted into the right to receive, an amount in cash, without interest, determined by multiplying (i) such fractional share interest to which the holder would otherwise be entitled by (ii) the closing sale price of the Common Stock (on a post-reverse-split basis as adjusted for the amendment effected hereby) on the trading day immediately prior to the Amendment Effective Time on The NASDAQ Stock Market, or if the principal exchange on which the Common Stock is then traded is other than The NASDAQ Stock Market, such exchange as may be applicable. Shares of Common Stock that were outstanding prior to the Amendment Effective Time and that are not outstanding after the Amendment Effective Time shall resume the status of authorized but unissued shares of Common Stock.


Each stock certificate that, immediately prior to the Amendment Effective Time, represented shares of Old Common Stock shall, from and after the Amendment Effective Time, automatically and without the necessity of presenting the same for exchange, represent that number of whole shares of New Common Stock into which the shares of Old Common Stock represented by such certificate shall have been reclassified (as well as the right to receive cash in lieu of any fractional shares of New Common Stock as set forth above); provided, however, that each holder of record of a certificate that represented shares of Old Common Stock shall receive, upon surrender of such certificate, a new certificate representing the number of whole shares of New Common Stock into which the shares of Old Common Stock represented by such certificate shall have been reclassified, as well as any cash in lieu of fractional shares of New Common Stock to which such holder may be entitled pursuant to the immediately preceding paragraph.”

THIRD: That thereafter, pursuant to resolution of its Board of Directors, a meeting of the stockholders of the Corporation was duly called and held, upon notice in accordance with Section 222 of the General Corporation Law of the State of Delaware, at which meeting the necessary number of shares as required by statute were voted in favor of the amendment.

FOURTH: This Certificate of Amendment of the Certificate of Incorporation was duly adopted at said meeting of the stockholders in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

FIFTH: In accordance with Section 103(d) of the General Corporation Law of the State of Delaware, this Certificate of Amendment shall be effective as of 12:01 a.m. on October 15, 2013.

IN WITNESS WHEREOF, Perma-Fix Environmental Services, Inc. has caused this Certificate of Amendment to be signed by its Corporate Secretary, this 11th day of October, 2013.

By: 
Ben Naccarato, Corporate Secretary

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PERMA-FIX ENVIRONMENTAL SERVICES, INC.", FILED IN THIS OFFICE ON THE NINETEENTH DAY OF SEPTEMBER, A.D. 2014, AT 12:09 O'CLOCK P.M.


A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2249849 8100

141199620

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 1714196
DATE: 09-19-14

CERTIFICATE OF AMENDMENT
OF

THE RESTATED CERTIFICATE OF INCORPORATION, AS AMENDED, OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:42 PM 09/19/2014
FILED 12:09 PM 09/19/2014
SRV 141199620 - 2249849 FILE

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

1. The name of the corporation is Perma-Fix Environmental Services, Inc. (the "Corporation").
2. At a meeting of the Board of Directors of the Corporation, resolutions were duly adopted declaring the advisability of an amendment to the Corporation's Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation"), as follows (the "Amendment"), and providing that:

The first four paragraphs of Article Fourth of the Corporation's Certificate of Incorporation are hereby deleted in their entirety and replaced in their entirety by the following:

"FOURTH: The total number of shares of capital stock that the Corporation shall have authority to issue is 32,000,000, of which 30,000,000 shall be designated as common stock, par value \$.001 per share ("Common Stock"), and 2,000,000 shall be designated as preferred stock, par value \$.001 per share ("Preferred Stock").

3. Only the first four paragraphs of Article Fourth are amended by this Amendment, and the remainder of Article Fourth shall remain in full force and effect. No other provision, paragraph or article of the Certificate of Incorporation is amended or changed by this Amendment.
4. That thereafter, pursuant to resolution of its Board of Directors, a meeting of the stockholders of the Corporation was duly called and held, upon notice in accordance with Section 222 of the General Corporation Law of the State of Delaware, at which meeting the necessary number of shares as required by statute were voted in favor of the amendment.
5. This Certificate of Amendment of the Certificate of Incorporation was duly adopted at said meeting of the stockholders in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.
6. This Certificate of Amendment of the Certificate of Incorporation shall become effective immediately upon filing of this certificate with the Secretary of State of the State of Delaware. All other provisions of the Certificate of Incorporation, as currently on file with the Secretary of State of the State of Delaware, shall remain in full force and effect.

IN WITNESS WHEREOF, Perma-Fix Environmental Services, Inc. has caused this Certificate of Amendment to be signed by its Corporate Secretary, this 19th day of September, 2014.

By: 

Ben Naccarato, Corporate Secretary

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PERMA-FIX ENVIRONMENTAL SERVICES, INC.", FILED IN THIS OFFICE ON THE NINETEENTH DAY OF SEPTEMBER, A.D. 2014, AT 12:09 O'CLOCK P.M.


A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2249849 8100

141199620

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 1714196

DATE: 09-19-14

CERTIFICATE OF AMENDMENT
OF

THE RESTATED CERTIFICATE OF INCORPORATION, AS AMENDED, OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:42 PM 09/19/2014
FILED 12:09 PM 09/19/2014
SRV 141199620 - 2249849 FILE

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

1. The name of the corporation is Perma-Fix Environmental Services, Inc. (the "Corporation").
2. At a meeting of the Board of Directors of the Corporation, resolutions were duly adopted declaring the advisability of an amendment to the Corporation's Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation"), as follows (the "Amendment"), and providing that:

The first four paragraphs of Article Fourth of the Corporation's Certificate of Incorporation are hereby deleted in their entirety and replaced in their entirety by the following:

"FOURTH: The total number of shares of capital stock that the Corporation shall have authority to issue is 32,000,000, of which 30,000,000 shall be designated as common stock, par value \$.001 per share ("Common Stock"), and 2,000,000 shall be designated as preferred stock, par value \$.001 per share ("Preferred Stock").

3. Only the first four paragraphs of Article Fourth are amended by this Amendment, and the remainder of Article Fourth shall remain in full force and effect. No other provision, paragraph or article of the Certificate of Incorporation is amended or changed by this Amendment.
4. That thereafter, pursuant to resolution of its Board of Directors, a meeting of the stockholders of the Corporation was duly called and held, upon notice in accordance with Section 222 of the General Corporation Law of the State of Delaware, at which meeting the necessary number of shares as required by statute were voted in favor of the amendment.
5. This Certificate of Amendment of the Certificate of Incorporation was duly adopted at said meeting of the stockholders in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.
6. This Certificate of Amendment of the Certificate of Incorporation shall become effective immediately upon filing of this certificate with the Secretary of State of the State of Delaware. All other provisions of the Certificate of Incorporation, as currently on file with the Secretary of State of the State of Delaware, shall remain in full force and effect.

IN WITNESS WHEREOF, Perma-Fix Environmental Services, Inc. has caused this Certificate of Amendment to be signed by its Corporate Secretary, this 19th day of September, 2014.

By:


Ben Naccarato, Corporate Secretary

**CERTIFICATE OF DESIGNATIONS
OF
SERIES B JUNIOR PARTICIPATING PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

(Pursuant to Section 151 of the Delaware General Corporation Law)

In accordance with Section 151 of the Delaware General Corporation Law, the undersigned corporation hereby certifies that the following resolution was adopted by the Board of Directors (the "**Board**") of Perma-Fix Environmental Services, Inc. (the "**Corporation**") at a meeting duly called and held on April 19, 2018, to become effective May 2, 2018.

RESOLVED, that pursuant to the authority granted to and vested in the Board in accordance with the provisions of the Restated Certificate of Incorporation of the Corporation, as amended and as may be further amended from time to time (the "**Certificate of Incorporation**"), the Board hereby creates a series of Preferred Stock, par value \$0.001 per share, of the Corporation (the "**Preferred Stock**"), and hereby states the designation and number of shares, and fixes the relative rights, preferences, and limitations thereof as follows:

Series B Junior Participating Preferred Stock:

1. **Designation and Amount.** The shares of such series shall be designated as "Series B Junior Participating Preferred Stock" (the "**Series B Preferred Stock**") and the number of shares constituting the Series B Preferred Stock shall be 50,000. Such number of shares may be increased or decreased by resolution of the Board; provided that no decrease shall reduce the number of shares of Series B Preferred Stock to a number less than the number of shares then outstanding plus the number of shares reserved for issuance upon the exercise of outstanding options, rights or warrants or upon the conversion of any outstanding securities issued by the Corporation convertible into Series B Preferred Stock.

2. **Dividends and Distributions.**

(A) Subject to the rights of the holders of any shares of any series of Preferred Stock (or any similar stock) ranking prior and superior to the Series B Preferred Stock with respect to dividends, the holders of shares of Series B Preferred Stock, in preference to the holders of common stock, par value \$0.001 per share (collectively, the "**Common Stock**"), of the Corporation, and of any other junior stock, shall be entitled to receive, when, as and if declared by the Board out of funds legally available for the purpose, quarterly dividends payable in cash on the first day of March, June, September and December in each year (each such date being referred to herein as a "**Quarterly Dividend Payment Date**"), commencing on the first Quarterly Dividend Payment Date after the first issuance of a share or fraction of a share of Series B Preferred Stock, in an amount per share (rounded to the nearest cent) equal to the greater of (1) \$1.00 or (2) subject to the provision for adjustment hereinafter set forth, 1,000 times the aggregate per share amount of all cash dividends, and 1,000 times the aggregate per

share amount (payable in kind) of all non-cash dividends or other distributions, other than a dividend payable in shares of Common Stock or a subdivision of the outstanding shares of Common Stock (by reclassification or otherwise), declared on the Common Stock since the immediately preceding Quarterly Dividend Payment Date or, with respect to the first Quarterly Dividend Payment Date, since the first issuance of any share or fraction of a share of Series B Preferred Stock. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the amount to which holders of shares of Series B Preferred Stock were entitled immediately prior to such event under clause (2) of the preceding sentence shall be adjusted by multiplying such amount by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

(B) The Corporation shall declare a dividend or distribution on the Series B Preferred Stock as provided in paragraph (a) of this subsection immediately after it declares a dividend or distribution on the Common Stock (other than a dividend payable in shares of Common Stock); *provided*, that in the event no dividend or distribution shall have been declared on the Common Stock during the period between any Quarterly Dividend Payment Date and the next subsequent Quarterly Dividend Payment Date, a dividend of \$1.00 per share on the Series B Preferred Stock shall nevertheless be payable on such subsequent Quarterly Dividend Payment Date.

(C) Dividends shall begin to accrue and be cumulative on outstanding shares of Series B Preferred Stock from the Quarterly Dividend Payment Date next preceding the date of issue of such shares, unless the date of issue of such shares is prior to the record date for the first Quarterly Dividend Payment Date, in which case dividends on such shares shall begin to accrue from the date of issue of such shares, or unless the date of issue is a Quarterly Dividend Payment Date or is a date after the record date for the determination of holders of shares of Series B Preferred Stock entitled to receive a quarterly dividend and before such Quarterly Dividend Payment Date, in either of which events such dividends shall begin to accrue and be cumulative from such Quarterly Dividend Payment Date. Accrued but unpaid dividends shall not bear interest. Dividends paid on the shares of Series B Preferred Stock in an amount less than the total amount of such dividends at the time accrued and payable on such shares shall be allocated pro rata on a share-by-share basis among all such shares at the time outstanding. The Board may fix a record date for the determination of holders of shares of Series B Preferred Stock entitled to receive payment of a dividend or distribution declared thereon, which record date shall be not more than 60 days prior to the date fixed for the payment thereof.

3. Voting Rights. The holders of shares of Series B Preferred Stock shall have the following voting rights:

(A) Subject to the provision for adjustment hereinafter set forth, each share of Series B Preferred Stock shall entitle the holder thereof to 1,000 votes on all matters submitted to a vote of the stockholders of the Corporation. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by

reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the number of votes per share to which holders of shares of Series B Preferred Stock were entitled immediately prior to such event shall be adjusted by multiplying such number by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

(B) Except as otherwise provided herein, in any other certificate of designations creating a series of Preferred Stock or any similar stock, or by law, the holders of shares of Series B Preferred Stock and the holders of shares of Common Stock and any other capital stock of the Corporation having general voting rights shall vote together as one class on all matters submitted to a vote of stockholders of the Corporation.

(C) Except as set forth herein, or as otherwise provided by law, holders of Series B Preferred Stock shall have no special voting rights and their consent shall not be required (except to the extent they are entitled to vote with holders of Common Stock as set forth herein) for taking any corporate action.

4. Certain Restrictions.

(A) Whenever quarterly dividends or other dividends or distributions payable on the Series B Preferred Stock as provided in Section 2 are in arrears, thereafter and until all accrued and unpaid dividends and distributions, whether or not declared, on shares of Series B Preferred Stock outstanding shall have been paid in full, the Corporation shall not:

(i) declare or pay dividends, or make any other distributions, on any shares of stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series B Preferred Stock;

(ii) declare or pay dividends, or make any other distributions, on any shares of stock ranking on a parity (either as to dividends or upon liquidation, dissolution or winding up) with the Series B Preferred Stock, except dividends paid ratably on the Series B Preferred Stock and all such parity stock on which dividends are payable or in arrears in proportion to the total amounts to which the holders of all such shares are then entitled;

(iii) redeem or purchase or otherwise acquire for consideration shares of any stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series B Preferred Stock other than (A) such redemptions or purchases that may be deemed to occur upon the exercise of stock options, warrants or similar rights or grant, vesting or lapse of restrictions on the grant of any other performance shares, restricted stock, restricted stock units or other equity awards to the extent that such shares represent all or a portion of (x) the exercise or purchase price of such options, warrants or similar rights or other equity awards and (y) the amount of withholding taxes owed by the recipient of such award in respect of such grant, exercise, vesting or lapse of restrictions; (B) the repurchase, redemption, or other acquisition or retirement for value of any such shares from employees, former employees, directors, former directors, consultants or

former consultants of the Corporation or their respective estate, spouse, former spouse or family member, pursuant to the terms of the agreements pursuant to which such shares were acquired, provided that the Corporation may at any time redeem, purchase or otherwise acquire shares of any such junior stock in exchange for shares of any stock of the Corporation ranking junior (either as to dividends or upon dissolution, liquidation or winding up) to the Series B Preferred Stock; or

(iv) redeem or purchase or otherwise acquire for consideration any shares of Series B Preferred Stock, or any shares of stock ranking on a parity with the Series B Preferred Stock, except in accordance with a purchase offer made in writing or by publication (as determined by the Board) to all holders of such shares upon such terms as the Board, after consideration of the respective annual dividend rates and other relative rights and preferences of the respective series and classes, shall determine in good faith will result in fair and equitable treatment among the respective series or classes.

(B) The Corporation shall not permit any subsidiary of the Corporation to purchase or otherwise acquire for consideration any shares of stock of the Corporation unless the Corporation could, under paragraph (a) of this Section 4, purchase or otherwise acquire such shares at such time and in such manner.

5. Reacquired Shares. Any shares of Series B Preferred Stock purchased or otherwise acquired by the Corporation in any manner whatsoever shall be retired and cancelled promptly after the acquisition thereof. All such shares shall upon their cancellation become authorized but unissued shares of Preferred Stock and may be reissued as part of a new series of Preferred Stock subject to the conditions and restrictions on issuance set forth herein, in the Certificate of Incorporation, or in any other certificate of designations creating a series of Preferred Stock or any similar stock or as otherwise required by law.

6. Liquidation, Dissolution or Winding Up. Upon any liquidation, dissolution or winding up of the Corporation, voluntary or otherwise, no distribution shall be made (1) to the holders of shares of stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series B Preferred Stock unless, prior thereto, the holders of shares of Series B Preferred Stock shall have received the greater of (A) \$1,000 per share, plus an amount equal to accrued and unpaid dividends and distributions thereon, whether or not declared, to the date of such payment, and (B) an amount, subject to the provision for adjustment hereinafter set forth, equal to 1,000 times the aggregate amount to be distributed per share to holders of shares of Common Stock, or (2) to the holders of shares of stock ranking on a parity (either as to dividends or upon liquidation, dissolution or winding up) with the Series B Preferred Stock, except distributions made ratably on the Series B Preferred Stock and all such parity stock in proportion to the total amounts to which the holders of all such shares are entitled upon such liquidation, dissolution or winding up. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the aggregate amount to which holders of shares of Series B Preferred Stock were entitled immediately prior to such event under the proviso in clause (1) of the preceding sentence shall be adjusted by multiplying such amount by a fraction, the numerator of which is the number of shares of Common Stock outstanding

immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

7. Consolidation, Merger, Etc. In case the Corporation shall enter into any consolidation, merger, combination or other transaction in which the shares of Common Stock are exchanged for or changed into other stock or securities, cash and/or any other property, then in any such case each share of Series B Preferred Stock shall at the same time be similarly exchanged or changed into an amount per share, subject to the provision for adjustment hereinafter set forth, equal to 1,000 times the aggregate amount of stock, securities, cash and/or any other property (payable in kind), as the case may be, into which or for which each share of Common Stock is changed or exchanged. In the event the Corporation shall at any time declare or pay any dividend on the Common Stock payable in shares of Common Stock, or effect a subdivision or combination or consolidation of the outstanding shares of Common Stock (by reclassification or otherwise than by payment of a dividend in shares of Common Stock) into a greater or lesser number of shares of Common Stock, then in each such case the amount set forth in the preceding sentence with respect to the exchange or change of shares of Series B Preferred Stock shall be adjusted by multiplying such amount by a fraction, the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

8. No Redemption. The shares of Series B Preferred Stock shall not be redeemable.

9. Rank. The Series B Preferred Stock shall rank, with respect to the payment of dividends and the distribution of assets, junior to all series of any other class of the Corporation's Preferred Stock, and shall rank senior to the Common Stock as to such matters.

10. Amendment. The Certificate of Incorporation of the Corporation shall not be amended in any manner which would materially alter or change the powers, preferences or special rights of the Series B Preferred Stock so as to affect them adversely without the affirmative vote of the holders of at least two-thirds of the outstanding shares of Series B Preferred Stock, voting together as a single class.

11. Fractional Shares. The Series B Preferred Stock may be issued in fractions of a share, which fractions shall entitle the holder, in proportion to such holder's fractional shares, to exercise voting rights, receive dividends, participate in distributions, and to have the benefit of all other rights of holders of Series B Preferred Stock.

IN WITNESS WHEREOF, this Certificate of Designation is executed on behalf of the Corporation by its Vice President and Chief Financial Officer and attested by its Assistant Secretary on this 2nd day of May, 2018.

**PERMA-FIX ENVIRONMENTAL
SERVICES, INC.**

By: B N
Ben Naccarato, Vice President and
Chief Financial Officer

ATTEST:


Karen Siegel, Assistant Secretary

(SEAL)



**CERTIFICATE OF ELIMINATION
OF
SERIES A JUNIOR PARTICIPATING
PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations of the Series A Junior Participating Preferred Stock, par value \$.001 per share, of the Corporation (the "Series A Preferred") was filed with the Delaware Secretary of State on May 6, 2008 (the "Series A Preferred Certificate of Designations").
2. That no shares of the Series A Preferred are outstanding and no shares of Series A Preferred subject to the Certificate of Designations previously filed with respect to the Series A Preferred will be issued.
3. All shares of Series A Preferred reserved for issuance shall have the status of authorized and unissued shares of the Corporation's Preferred Stock.
4. That effective May 2, 2018, the Board of Directors of the Corporation unanimously adopted the following resolutions:

RESOLVED FURTHER, that upon the Existing Rights Plan Expiration Date it does not appear that any shares of the series designated as Series A Junior Participating Preferred Stock will be issued and outstanding and, if, upon the Existing Rights Plan Expiration Date, no shares of Series A Junior Participating Preferred Stock are outstanding, the officers of the Corporation are hereby authorized and directed, for and on behalf of the Corporation, to execute, deliver and file with the Delaware Secretary of State a Certificate of Elimination to eliminate the Series designated as Series A Junior Participating Preferred Stock.

5. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate, this Certificate will have the effect of eliminating from the Corporation's Restated Certificate of Incorporation only those matters set forth in the Series A Preferred Certificate of Designations, with respect to the Series A Preferred.

IN WITNESS WHEREOF, this Certificate of Elimination is executed on behalf of the Corporation by its Vice President and Chief Financial Officer and attested by its Assistant Secretary on this 2nd day of May, 2018.

PERMA-FIX ENVIRONMENTAL SERVICES,
INC.

By: BCP
Ben Naccarato
Vice President and Chief Financial Officer

ATTEST:

Karen Siegel
Karen Siegel, Assistant Secretary

(SEAL)



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF DESIGNATION OF "PERMA-FIX ENVIRONMENTAL SERVICES, INC.", FILED IN THIS OFFICE ON THE TWENTY-SIXTH DAY OF JUNE, A.D. 2020, AT 3:31 O'CLOCK P.M.

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

2249849 8100
SR# 20205938912

Authentication: 203194596
Date: 06-29-20

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 03:31 PM 06/26/2020
FILED 03:31 PM 06/26/2020
SR 20205938912 - File Number 2249849

**CERTIFICATE OF ELIMINATION
OF
SERIES 9 CLASS I CONVERTIBLE PREFERRED STOCK,
PAR VALUE \$.001 PER SHARE AN))
SERIES 17 CLASS Q CONVERTIBLE PREFERRED STOCK, PAR VALUE \$.001 PER SHARE
OF
PERMAFIX ENVIRONMENTAL SERVICES, INC.**

PERMA—FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "Corporation"), hereby certifies the following:

1. That the Certificate of Designations (the "Series 9 Certificate of Designations") of the Series 9 Class I Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 9 Preferred Stock") was filed with the Secretary of State of the State of Delaware on July 16, 1998.

2. That no shares of the Series 9 Preferred Stock are outstanding and no shares of Series 9 Preferred Stock subject to the Series 9 Certificate of Designations previously filed with the Secretary of State of the State of Delaware are available for issuance or will be issued,

3. All shares of Series 9 Preferred Stock reserved for issuance shall have the status of authorized and unissued shares of the Corporation's preferred stock.

4. That effective June 25, 2020, the Board of Directors of the Corporation unanimously adopted the following resolutions approving the elimination of the Series 9 Preferred Stock:

"RESOLVED, that none of the authorized shares of the Series 9 Preferred Stock are outstanding and that none are available for issuance or will be issued pursuant to the Series 9 Certificate of Designation; and it is further

RESOLVED, that, upon filing a Certificate of Elimination of the Series 9 Preferred Stock with the Secretary of State of the State of Delaware, all matters set forth in the Series 9 Certificate of Designation with respect to the Series 9 Preferred Stock shall be eliminated from the Corporation's Restated Certificate of Incorporation, as amended; and it is further

RESOLVED, that the Authorized Officers of the Corporation in the name and on behalf of the Corporation be, and each of them individually hereby is, authorized and directed, with the assistance of counsel, to prepare, execute and deliver to the Secretary of State of the State of Delaware, a Certificate of Elimination, as required by the Delaware General Corporation Law in order to effect the elimination of the Series 9 Preferred Stock; and it is further

RESOLVED, that the Authorized Officers of the Corporation be, and they hereby are, authorized and directed, jointly and severally, for and in the name and on behalf of the Corporation, to execute and deliver any and all certificates, agreements, and other documents, take any and all steps and do any and all things which they may deem necessary or advisable in order to effect the purposes of each and all of the foregoing resolutions; and it is further

RESOLVED, that any actions taken by such Authorized Officers prior to the date of these resolutions that are within the authority conferred hereby are hereby ratified, confirmed and approved in all respects as the act and deed of the Corporation.

5. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate of Elimination, the Corporation's Restated Certificate of Incorporation, as amended, shall be and is hereby amended to eliminate all references to the Series 9 Preferred Stock.

6. That the Certificate of Designations (the "Series 17 Certificate of Designations") of the Series 17 Class Q Convertible Preferred Stock, par value \$.001 per share, of the Corporation (the "Series 17 Preferred Stock") was filed with the Secretary of State of the State of Delaware on June 14, 2001.

7. That no shares of the Series 17 Preferred Stock are outstanding and no shares of Series 17 Preferred Stock subject to the Series 17 Certificate of Designations previously filed with the Secretary of State of the State of Delaware are available for issuance or will be issued.

8. All shares of Series 17 Preferred Stock reserved for issuance shall have the status of authorized and unissued shares of the Corporation's preferred stock.

9. That effective June 25, 2020, the Board of Directors of the Corporation unanimously adopted the following resolutions approving the elimination of the Series 17 Preferred Stock:

"RESOLVED, that none of the authorized shares of the Series 17 Preferred Stock are outstanding and that none are available for issuance or will be issued pursuant to the Series 17 Certificate of Designation; and it is further

RESOLVED, that, upon filing a Certificate of Elimination of the Series 17 Preferred Stock, with the Secretary of State of the State of Delaware, all matters set forth in the Series 17 Certificate of Designation with respect to the Series 17 Preferred Stock shall be eliminated from the Corporation's Restated Certificate of Incorporation, as amended; and it is further

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RESOLVED, that the Authorized Officers of the Corporation in the name and on behalf of the Corporation be, and each of them individually hereby is, authorized and directed, with the assistance of counsel, to prepare, execute and deliver to the Secretary of State of the State of Delaware, a Certificate of Elimination, as required by the Delaware General Corporation Law in order to effect the elimination of the Series 17 Preferred Stock; and it is further

RESOLVED, that the Authorized Officers of the Corporation be, and they hereby are, authorized and directed, jointly and severally, for and in the name and on behalf of the Corporation, to execute and deliver any and all certificates, agreements, and other documents, take any and all steps and do any and all things which they may deem necessary or advisable in order to effect the purposes of each and all of the foregoing resolutions; and it is further

RESOLVED, that any actions taken by such Authorized Officers prior to the date of these resolutions that are within the authority conferred hereby are hereby ratified, confirmed and approved in all respects as the act and deed of the Corporation,

10. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate of Elimination, the Corporation's Restated Certificate of Incorporation, as amended, shall be and is hereby amended to eliminate all references to the Series 17 Preferred Stock.

IN WITNESS WHEREOF, this Certificate of Elimination is executed on behalf of the Corporation by its Executive Vice President and Chief Financial Officer and attested by its Assistant Secretary on this 25th day of June, 2020.

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By: /s/Ben Naccarato

Ben Naccarato
Executive Vice President and Chief Financial Officer

ATTEST:

/s/Karen Siegel

Karen Siegel, Assistant Secretary

(SEAL)



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State of Delaware
Secretary of State
Division of Corporations
Delivered 05:42 PM 05/03/2021
FILED 05:42 PM 05/03/2021
SR 20211569272 - File Number 2249849

**CERTIFICATE OF ELIMINATION OF
SERIES B JUNIOR PARTICIPATING PREFERRED STOCK
OF
PERMA-FIX ENVIRONMENTAL SERVICES, INC.**

PERMA-FIX ENVIRONMENTAL SERVICES, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (hereinafter called the "**Corporation**"), hereby certifies the following:

1. That the Certificate of Designations of the Series B Junior Participating Preferred Stock, par value \$.001 per share, of the Corporation (the "**Series B Preferred**") was filed with the Delaware Secretary of State on May 2, 2018 (the "**Series B Preferred Certificate of Designations**").

2. That no shares of the Series B Preferred are outstanding and no shares of Series B Preferred subject to the Series B Certificate of Designations previously filed with respect to the Series B Preferred will be issued.

3. All shares of Series B Preferred reserved for issuance shall have the status of authorized and unissued shares of the Corporation's Preferred Stock.

4. That pursuant to Section 151(g) of the General Corporation Law of the State of Delaware (the "**DGCL**"), the Board of Directors of the Corporation adopted the following resolutions on April 15, 2021, respecting the Company's Series B Preferred, which resolutions have not been amended or rescinded:

RESOLVED, that a Certificate of Elimination (the "**Certificate of Elimination**"), which, effective upon filing, will eliminate from the Company's Restated Certificate of Incorporation, as amended, all matters set forth in the Company's Certificate of Designations of Series B Junior Participating Preferred Stock (the "**Series B Junior Participating Preferred Stock**"), and will eliminate and return the 50,000 shares of preferred stock previously designated as Series B Junior Participating Preferred Stock to the status of authorized but unissued shares of preferred stock, without designation, be, and it hereby is, authorized and approved in all respects and that it be filed after the expiration of the rights issued under that certain Rights Agreement, dated May 2, 2018, between the Company and Continental Stock Transfer & Trust Company, as rights agent (the "**Rights Agreement**"); and be it further

RESOLVED, that the Company's President, Chief Financial Officer, and their respective designees (collectively, the "**Authorized Officers**") be, and each of them hereby is, authorized, directed and empowered to make, execute and file, or cause to be filed, with the Secretary of State of the State of Delaware, the Certificate of Elimination; and be it further

Page 1 of 2

Certificate of Elimination of Series B Junior Participating Preferred Stock

RESOLVED, that the Authorized Officers be, and each of them hereby is, authorized, directed and empowered to prepare and make any other filings or notices, including to the Securities and Exchange Commission and NASDAQ, as the Authorized Officers deem necessary, advisable or appropriate to carry out the purposes and intent, but within the limitations, of the foregoing resolutions, the execution, delivery or taking of such actions to be conclusive evidence that the same have been authorized by these resolutions.

5. That pursuant to the provisions of § 151(g) of the Delaware General Corporation Law, upon the effective date of the filing of this Certificate of Elimination, all matters set forth in the previously filed Series B Preferred Certificate of Designations are hereby eliminated.

IN WITNESS WHEREOF, this Certificate of Elimination has been executed this 3rd day of May, 2021, by the Executive Vice President and Chief Financial Officer of the Company.

PERMA-FIX ENVIRONMENTAL SERVICES, INC.

By: /s/Ben Naccarato

Ben Naccarato
Executive Vice President and Chief Financial Officer

Page 2 of 2

Certificate of Elimination of Series B Junior Participating Preferred Stock

FIRST AMENDMENT TO SECOND AMENDED AND RESTATED
REVOLVING CREDIT, TERM LOAN AND SECURITY AGREEMENT

THIS FIRST AMENDMENT TO SECOND AMENDED AND RESTATED REVOLVING CREDIT, TERM LOAN AND SECURITY AGREEMENT, dated as of May 4, 2021 (this "Amendment"), relating to the Credit Agreement referenced below, is by and among PERMA-FIX ENVIRONMENTAL SERVICES, INC., a Delaware corporation (the "Borrower"), the lenders identified on the signature pages hereto (the "Lenders"), and PNC Bank, National Association, a national banking association, as agent for the Lenders (in such capacity, the "Agent"). Terms used herein but not otherwise defined herein shall have the meanings provided to such terms in the Credit Agreement.

WITNESSETH

WHEREAS, a credit facility has been extended to the Borrower pursuant to the terms of that certain Second Amended and Restated Revolving Credit, Term Loan and Security Agreement dated as of May 8, 2020 (as amended and modified from time to time, the "Credit Agreement") among the Borrower, the Lenders identified therein, and PNC Bank, National Association, as agent for the Lenders;

WHEREAS, the Borrower has requested certain modifications to the Credit Agreement; and

WHEREAS, the Lenders have agreed to the requested modifications on the terms and conditions set forth herein;

NOW, THEREFORE, IN CONSIDERATION of the premises and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Amendments. The Credit Agreement is amended as set forth below:

(a) New definitions of "Equipment Loans", "Equipment Note" and "Maximum Equipment Loan Amount" are added to Section 1.2 in correct alphabetical order to read as follows:

"Equipment Loans" shall have the meaning set forth in Section 2.4(b) hereof.

"Equipment Note" shall mean, collectively, the promissory note referred to in Section 2.4(b) hereof.

"Maximum Equipment Loan Amount" shall mean \$1,000,000."

(b) The definitions of "Advances", "Applicable Margin", "EBITDA", "Fixed Charge Coverage Ratio", "Maximum Loan Amount", "Note", "Revolving Advances", "Senior Debt Payments" and "Undrawn Availability" set forth in Section 1.2 are amended to read as follows:

"Advances" shall mean and include the Revolving Advances, Letter of Credit, as well as the Term Loan and the Equipment Loans.

"Applicable Margin" for (i) Revolving Advances that are Eurodollar Rate Loans, 3.00%, (ii) Revolving Advances that are Domestic Rate Loans, 2.00%, (iii) Term Loans and Equipment Loans that are Eurodollar Rate Loans, 3.50%, and (iv) Term Loans and Equipment Loans that are Domestic Rate Loans, 2.50%.

"EBITDA" shall mean for any period, for Borrower, the sum of (i) Net Income for such period, plus (ii) all Interest Expense for such period, plus (iii) all charges against income of Borrower for such period for federal, state and local taxes expenses, plus (iv) depreciation expenses for such period, plus (v) amortization expenses for such period, plus (vi) any extraordinary, unusual or non-recurring non-cash expenses or losses (including non-cash losses on sales of assets outside of the Ordinary Course of Business) during such period, minus (vii) any extraordinary, unusual or non-recurring non-cash income or gains (including gains on the sale of assets outside of the Ordinary Course of Business) during such period, in each case, only to the extent included in the statement of net income for such period. For purposes of calculating EBITDA (i) add-backs for (a) Agent's \$50,000 amendment fee charged in connection with the Agreement, (b) distributions received by Borrower from joint ventures approved by Agent and (c) expenses incurred in connection with Borrower's PPP loan will be permitted unless and until a portion of such loan is not forgiven; (ii) cash investments by Borrower in joint ventures approved by Agent will be a deduction; and (iii) EBITDA generated by any joint venture will be excluded. For avoidance of doubt, the PPP expenses incurred for the fiscal quarter ending as of June 30, 2020 are \$5,179,225.41 and for the fiscal quarter ending as of September 30, 2020 are \$139,068.70.

"Fixed Charge Coverage Ratio" shall mean and include, with respect to any fiscal period, the ratio of (A) EBITDA for such period minus Unfinanced Capital Expenditures made during such period minus cash taxes with respect to income paid by Borrower during such period minus any cash dividends or distributions made by Borrower during such period to (B) all Senior Debt Payments during such period. For purposes of calculating the Fixed Charge Coverage Ratio (i) any prepayments on the Subordinated Loan following Borrower's receipt of the Release of Restricted Insurance Closure Fund shall be excluded from Senior Debt Payments provided Undrawn Availability is greater than \$3,000,000 after making such prepayment; (ii) any payments made by Borrower on its PPP loan during fiscal year 2020 only shall be excluded; and (iii) up to \$1,000,000 in Capital Expenditures incurred during fiscal year 2021 in connection with Borrower's Diversified Scientific Services unit at its Kingston, Tennessee facility shall be deemed to be financed Capital Expenditures.

"Maximum Loan Amount" shall mean \$20,350,797.52 less repayments of the Term Loan and the Equipment Loans.

"Note" shall mean collectively, the Term Note, the Equipment Note and the Revolving Credit Note.

"Revolving Advances" shall mean Advances made other than Letters of Credit, the Term Loan and the Equipment Loans.

"Senior Debt Payments" shall mean and include all cash actually expended by any Credit Party to make (a) interest payments on any Advances hereunder, plus (b) scheduled principal payments on the Term Loan and the Equipment Loans, plus (c) payments for all fees, commissions and charges set forth herein and with respect to any Advances, plus (d) capitalized lease payments, plus (e) payments with respect to any other Indebtedness for borrowed money, including Purchase Money Indebtedness.

"Undrawn Availability" at a particular date shall mean an amount equal to (a) the lesser of (i) the Formula Amount or (ii) the Maximum

Revolving Advance Amount, minus (b) the sum of (i) the outstanding amount of Advances (other than the Term Loan and the Equipment Loans) plus (ii) all amounts due and owing to any Credit Party's trade creditors which are outstanding more than sixty (60) days after their due date, plus (iii) fees and expenses for which any Credit Party is liable but which have not been paid or charged to Borrower's Account."

(c) Section 2.2(a) is amended by adding a new sentence after the first sentence of the Section to read as follows:

"Subject to the satisfaction of the conditions set forth in Section 8.3 hereof, in the event Borrower desires an Equipment Loan, Borrower shall give Agent at least three (3) Business Days prior written notice."

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(d) Section 2.4 is amended to read as follows:

"2.4. Term Loan; Equipment Loans

(a) Term Loan.

Each Lender, severally and not jointly, made a Term Loan in the sum equal to such Lender's Commitment Percentage of \$6,095,238.12. As of the Closing Date the Term Loan has a balance of \$1,741,817.82. The Term Loan was advanced on the Closing Date and shall be, with respect to principal, payable as follows, subject to acceleration upon the occurrence of an Event of Default under this Agreement or termination of this Agreement: equal monthly installments of \$35,547.30 commencing on June 1, 2020 and continuing on the first (1st) day of each month thereafter with the remaining balance due in full on the last day of the Term. The Term Loan shall be evidenced by one or more secured promissory notes (collectively, the "Term Note") in substantially the form attached hereto as Exhibit 2.4(a). The Term Loan may consist of Domestic Rate Loans or Eurodollar Rate Loans, or a combination thereof, as Borrower may request. In the event that Borrower desires to obtain or extend a Eurodollar Rate Loan or to convert a Domestic Rate Loan to a Eurodollar Rate Loan, Borrower shall comply with the notification requirements set forth in Sections 2.2(b) and (d) and the provisions of Sections 2.2(b) through (h) shall apply.

(b) Equipment Loans.

(i) Subject to the terms and conditions of this Agreement, each Lender, severally and not jointly, shall, from time to time, make Advances (each, an "Equipment Loan" and collectively, the "Equipment Loans") to Borrower in an amount equal to such Lender's Commitment Percentage of the applicable Equipment Loan to finance Borrower's purchase of equipment for use in Borrower's business. All such Equipment Loans shall be in such amounts as are requested by Borrower, but in no event shall any Equipment Loan exceed ninety (90%) percent of the Net Invoice Cost of any new equipment being purchased by Borrower or eighty percent (80%) of the Net Invoice Cost of any used equipment being purchased by Borrower and the total amount of all Equipment Loans outstanding hereunder shall not exceed, in the aggregate, the Maximum Equipment Loan Amount. Once repaid, Equipment Loans may not be reborrowed.

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(ii) Equipment Loans shall be made available to Borrower during the period commencing on (x) May 4, 2021 and ending on the earlier of (A) the date the Equipment Note (defined below) is fully funded or (B) May 4, 2022 (the "Borrowing Period"). At the end of the Borrowing Period, Agent shall calculate the aggregate principal balance of all then outstanding Equipment Loans, which amount shall amortize in equal and consecutive monthly installments of principal, based on a five year amortization schedule, the first of which installments shall be due and payable on the first day of the next month after the end of the Borrowing Period, and the remaining installments of which shall be due and payable on the first day of each month thereafter, provided, however, that the aggregate principal balance of all Equipment Loans, together with all accrued and unpaid interest thereon, and all unpaid fees, costs and expenses payable hereunder in connection therewith, shall be due and payable in full upon the expiration of the Term, subject to acceleration upon the occurrence of an Event of Default under this Agreement or termination of this Agreement. Equipment Loans shall be evidenced by one or more secured promissory notes (collectively, the "Equipment Note") in substantially the form attached hereto as Exhibit 2.4(b). The Equipment Loans may consist of Domestic Rate Loans or Eurodollar Rate Loans, or a combination thereof, as Borrower may request; and in the event that Borrower desires to obtain or extend any Equipment Loan (or any portion thereof) as a Eurodollar Rate Loan or to convert any Equipment Loan (or any portion thereof) from a Domestic Rate Loan to a Eurodollar Rate Loan, Borrower shall comply with the notification requirements set forth in Sections 2.2(b) and/or (e) and the provisions of Sections 2.2(b) through (i) shall apply."

(e) A new sentence is added to the end of Section 2.6(a) to read as follows:

"The Equipment Loans shall be due and payable as provided in Section 2.4(b) hereof and in the Equipment Note, subject to mandatory prepayments as herein provided."

(f) The following sentence is added to the end of Section 2.20(a):

"Each borrowing of Equipment Loans shall be advanced according to the Commitment Percentage of Lenders."

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(g) A new sentence is added to Section 2.20(b) after the second sentence of the Section is amended to read as follows:

"Each payment (including each prepayment) by Borrower on account of the Equipment Loans shall be applied to the applicable Equipment Loan pro rata according to the Commitment Percentage of Lenders."

(h) Section 2.20(c)(i) is amended to read as follows:

"(c) (i) Notwithstanding anything to the contrary contained in Sections 2.20(a) and (b) hereof, commencing with the first Business Day following the Closing Date, each borrowing of Revolving Advances or an Equipment Loan, as applicable, shall be advanced by Agent and each payment by Borrower on account of Revolving Advances or an Equipment Loan, as applicable, shall be applied first to those Revolving Advances or those Equipment Loans, as applicable, advanced by Agent. On or before 1:00 P.M., New York time, on each Settlement Date commencing with the first Settlement Date following the Closing Date, Agent and Lenders shall make certain payments as follows: (I) if the aggregate amount of new Revolving Advances or Equipment Loans, as applicable, made by Agent during the preceding Week (if any) exceeds the aggregate amount of repayments applied to outstanding Revolving Advances or Equipment Loans, as applicable, during such preceding Week, then each Lender shall provide Agent with funds

in an amount equal to its applicable Commitment Percentage of the difference between (w) such Revolving Advances or such Equipment Loan, as applicable, and (x) such repayments and (II) if the aggregate amount of repayments applied to outstanding Revolving Advances or Equipment Loans, as applicable, during such Week exceeds the aggregate amount of new Revolving Advances or Equipment Loans, as applicable, made during such Week, then Agent shall provide each Lender with funds in an amount equal to its applicable Commitment Percentage of the difference between (y) such repayments and (z) such Revolving Advances or such Equipment Loans, as applicable.”

- (i) The last sentence of Section 2.21 is amended to read as follows:

“Such repayments shall be applied (i) if the Collateral disposed of is equipment the purchase of which was financed by an Equipment Loan, (x) first, to the outstanding principal installments of the Equipment Loans in the inverse order of the maturities thereof, (y) second, to the outstanding principal installments of the Term Loan in the inverse order of the maturities thereof and (z) third, to the remaining Advances (including cash collateralization of all Obligations relating to any outstanding Letters of Credit in accordance with the provisions of Section 3.2(b); provided however that if no Default or Event of Default has occurred and is continuing, such repayments shall be applied to cash collateralize any Obligations related to outstanding Letters of Credit last) in such order as Agent may determine, subject to Borrower’s ability to reborrow Revolving Advances in accordance with the terms hereof or (ii) if the Collateral disposed of is equipment other than as set forth in (i) above or other Collateral, (x), first, to the outstanding principal installments of the Term Loan in the inverse order of the maturities thereof, (y) second, to the outstanding principal installments of the Equipment Loans in the inverse order of the maturities thereof and (z) third, to the remaining Advances (including cash collateralization of all Obligations relating to any outstanding Letters of Credit in accordance with the provisions of Section 3.2(b); provided however that if no Default or Event of Default has occurred and is continuing, such repayments shall be applied to cash collateralize any Obligations related to outstanding Letters of Credit last) in such order as Agent may determine, subject to Borrower’s ability to reborrow Revolving Advances in accordance with the terms hereof.”

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- (j) Section 3.1(ii) is amended to read as follows:

“(ii) with respect to the Term Loan and the Equipment Loans, the applicable Term Loan Rate (as applicable, the ‘Contract Rate’).”

- (k) The phrase “such notice is given prior to a Benchmark Replacement Date (as defined below)” in the second sentence of Section 3.8.1 is deleted and replaced with the phrase “Section 3.8.2 does not apply”.

- (l) The definitions of “Benchmark Replacement” and “Benchmark Replacement Adjustment” in Section 3.8.2 are amended to read as follows:

“Benchmark Replacement” means the sum of: (a) the alternate benchmark rate that has been selected by Agent giving due consideration to (i) any selection or recommendation of a replacement rate or the mechanism for determining such a rate by the Relevant Governmental Body or (ii) any evolving or then-prevailing market convention for determining a rate of interest as a replacement to the Eurodollar Rate for U.S. dollar-denominated credit facilities and (b) the Benchmark Replacement Adjustment; provided that, if the Benchmark Replacement as so determined would be less than zero, the Benchmark Replacement will be deemed to be zero for the purposes of this Agreement.

“Benchmark Replacement Adjustment” means, with respect to any replacement of the Eurodollar Rate with an alternate benchmark rate for each applicable Interest Period, the spread adjustment, or method for calculating or determining such spread adjustment, (which may be a positive or negative value or zero) that has been selected by Agent (a) giving due consideration to (i) any selection or recommendation of a spread adjustment, or method for calculating or determining such spread adjustment, for the replacement of the Eurodollar Rate with the applicable Benchmark Replacement (excluding such spread adjustment) by the Relevant Governmental Body or (ii) any evolving or then-prevailing market convention for determining a spread adjustment, or method for calculating or determining such spread adjustment, for such replacement of the Eurodollar Rate for U.S. dollar-denominated credit facilities at such time and (b) which may also reflect adjustments to account for (i) the effects of the transition from the Eurodollar Rate to the Benchmark Replacement and (ii) yield- or risk-based differences between the Eurodollar Rate and the Benchmark Replacement.”

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- (m) A new Section 8.3 is added to read as follows:

“8.3. Conditions to Each Equipment Loan.

The agreement of Lenders to make any Equipment Loan is subject to satisfaction of the following conditions precedent: (a) receipt by Agent of (i) a copy of the invoice relating to the equipment being purchased, (ii) evidence that such equipment has been shipped to Borrower, (iii) evidence that the requested Equipment Loan does not exceed ninety percent (90%) of the Net Invoice Cost of any such new equipment purchased by Borrower or eighty percent (80%) of the Net Invoice Cost of any such used equipment purchased by Borrower, and (iv) such other documentation and evidence that Agent may request; and (b) after giving effect thereto, the aggregate outstanding principal amount of Equipment Loans shall not exceed the Maximum Equipment Loan Amount.”

- (n) The first sentence of Section 15.3(c) is amended to read as follows:

“Any Lender, with the consent of Agent which shall not be unreasonably withheld or delayed, may sell, assign or transfer all or any part of its rights and obligations under or relating to Revolving Advances, Term Loans and/or Equipment Loans under this Agreement and the Other Documents to one or more additional banks or financial institutions and one or more additional banks or financial institutions may commit to make Advances hereunder (each a “Purchasing Lender”), in minimum amounts of not less than \$5,000,000, pursuant to a Commitment Transfer Supplement, executed by a Purchasing Lender, the transferor Lender, and Agent and delivered to Agent for recording; provided, that any such assignment of a portion must be for a constant and non-varying portion of such Lender’s rights under this Agreement, the Other Documents, the Advances and Commitment Percentage.”

8

- (o) The first sentence of Section 15.3(d) is amended to read as follows:

“Any Lender, with the consent of Agent which shall not be unreasonably withheld or delayed, may directly or indirectly sell, assign or transfer all or any portion of its rights and obligations under or relating to Revolving Advances, Term Loans and/or Equipment Loans under this Agreement and the Other Documents to an entity, whether a corporation, partnership, trust, limited liability company or other entity that (i) is engaged in making, purchasing, holding or otherwise investing in bank loans and similar extensions of credit in the ordinary course of its business and (ii) is administered, serviced or managed by the assigning Lender or an Affiliate of such Lender (a “Purchasing CLO”) and together with each Participant and

Purchasing Lender, each a "Transferee" and collectively the "Transferees"), pursuant to a Commitment Transfer Supplement modified as appropriate to reflect the interest being assigned ("Modified Commitment Transfer Supplement"), executed by any intermediate purchaser, the Purchasing CLO, the transferor Lender, and Agent as appropriate and delivered to Agent for recording."

(p) A new Exhibit 2.4(b) is added to the Credit Agreement in the form of Exhibit 2.4(b) attached hereto and incorporated herein by reference.

2. Conditions Precedent. This Amendment shall be effective as of the date hereof upon satisfaction of the following conditions:

- (a) the execution of this Amendment by the Borrower, the Lender and the Agent,
- (b) the execution by the Borrower and the Agent of mortgage modification agreements for the Gainesville, Florida and Kingston, Tennessee properties; and
- (c) receipt by the Agent of an amendment fee of \$15,000.

3. Condition Subsequent. As soon as practicable the Borrower shall submit to the Agent title endorsements reflecting the recording of the mortgage modification agreements for the Gainesville, Florida and Kingston, Tennessee properties.

4. Representations and Warranties. The Borrower hereby represents and warrants in connection herewith that as of the date hereof (after giving effect hereto) (i) the representations and warranties set forth in Article V of the Credit Agreement are true and correct in all material respects (except those which expressly relate to an earlier date), and (ii) no Default or Event of Default has occurred and is continuing under the Credit Agreement.

5. Acknowledgments, Affirmations and Agreements. The Borrower (i) acknowledges and consents to all of the terms and conditions of this Amendment and (ii) affirms all of its obligations under the Credit Agreement and the Other Documents.

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6. Credit Agreement. Except as expressly modified hereby, all of the terms and provisions of the Credit Agreement remain in full force and effect.

7. Expenses. The Borrower agrees to pay all reasonable costs and expenses in connection with the preparation, execution and delivery of this Amendment, including the reasonable fees and expenses of the Agent's legal counsel.

8. Counterparts. This Amendment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original. It shall not be necessary in making proof of this Amendment to produce or account for more than one such counterpart.

9. Governing Law. This Amendment shall be deemed to be a contract under, and shall for all purposes be construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, each of the parties hereto has caused a counterpart of this Amendment to be duly executed and delivered as of the date first above written.

BORROWER:

PERMA-FIX ENVIRONMENTAL
SERVICES, INC.

By : /s/Ben Naccarato
Name: Ben Naccarato
Title : CFO

AGENT AND LENDER:

PNC BANK, NATIONAL ASSOCIATION,
in its capacity as Agent and as Lender

By : /s/Scott Goldstein
Name: Scott Goldstein
Title : Senior Vice President

Commitment Percentages:

Revolving Loans:	100%
Term Loan:	100%
Equipment Loans:	100%

First Amendment to Second Amended and Restated
Revolving Credit, Term Loan and Security Agreement
Perma-Fix

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CERTIFICATIONS

I, Mark Duff, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Perma-Fix Environmental Services, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of the internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 6, 2021

/s/ Mark Duff

Mark Duff
Chief Executive Officer, President
and Principal Executive Officer

CERTIFICATIONS

I, Ben Naccarato, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Perma-Fix Environmental Services, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of the internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 6, 2021

/s/ Ben Naccarato

Ben Naccarato
Executive Vice President and
Chief Financial Officer and
Principal Financial Officer

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906
OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Perma-Fix Environmental Services, Inc. ("PESI") on Form 10-Q for the quarter ended March 31, 2021, as filed with the Securities and Exchange Commission on the date hereof (the "Form 10-Q"), I, Mark Duff, President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to §906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Form 10-Q fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. §78m or §78o(d)); and
- (2) The information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 6, 2021

/s/ Mark Duff

Mark Duff
Chief Executive Officer, President
and Principal Executive Officer

This certification is furnished to the Securities and Exchange Commission solely for purpose of 18 U.S.C. §1350 subject to the knowledge standard contained therein, and not for any other purpose.

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906
OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Perma-Fix Environmental Services, Inc. ("PESI") on Form 10-Q for the quarter ended March 31, 2021, as filed with the Securities and Exchange Commission on the date hereof (the "Form 10-Q"), I, Ben Naccarato, Vice President and Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to §906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Form 10-Q fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. §78m or §78o(d)); and
- (2) The information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 6, 2021

/s/ Ben Naccarato

Ben Naccarato
Executive Vice President and Chief Financial
Officer and Principal Financial Officer

This certification is furnished to the Securities and Exchange Commission solely for purpose of 18 U.S.C. §1350 subject to the knowledge standard contained therein, and not for any other purpose.
