

Perma-Fix Environmental Services, Inc. (NASDAQ: PESI)

8302 Dunwoody Place
Suite 250
Atlanta, GA 30350

Share Price	\$0.88
Volume	53.69 k
Shares Outstanding	56,200,315
Market Cap	\$49.51 m
52 Week High	\$1.68
52 Week Low	\$0.63

as of 03/15/2013



Barriers to Entry

- Highly regulated at State and Federal levels
 - Nuclear Regulatory Commission
 - Environmental Protection Agency
 - State and local regulators
- Technology
 - Patented and proprietary chemical treatment process
 - Treatment of nuclear waste is complex and requires multiple technologies and multiple steps
- Experience
 - Successfully treating nuclear waste 10+ years

What is Mixed Waste?

- Both chemically hazardous and radioactive waste generated by commercial customers, utilities, hospitals, research facilities, and the government
- DOE is the largest generator of mixed waste
 - Legacy waste dating back to Manhattan Project
 - Massive quantities accumulated during the Cold War
 - State mandates to treat this waste
- Cost of treating legacy low-level mixed waste - \$7 billion
- Emerging multi-billion dollar market in higher-activity radioactive mixed waste

Disclaimer

Except for the historical information contained herein, the matters discussed in this document are forward-looking statements that involve risks and uncertainties, including but not limited to business conditions and the amount of growth in our industry and general economy, competitive factors, and other risks detailed from time to time in the Company's SEC reports, including but not limited to its annual reports on Form 10-K and its quarterly reports on Form 10-Q. The Company does not undertake any obligation to update forward-looking statements. All trademarks and brand names are the property of their respective companies.

Overview

Perma-Fix is a national environmental services company, providing unique mixed waste and industrial waste management services. Perma-Fix has increased its focus on the nuclear services segment, which provides radioactive and mixed waste treatment services to hospitals, research laboratories and institutions, numerous federal agencies including DOE and the U.S. Department of Defense and nuclear utilities. The Industrial segment provides hazardous and non-hazardous waste treatment services for a diverse group of customers including Fortune 500 companies, numerous federal, state and local agencies and thousands of smaller clients.

Investment Highlights

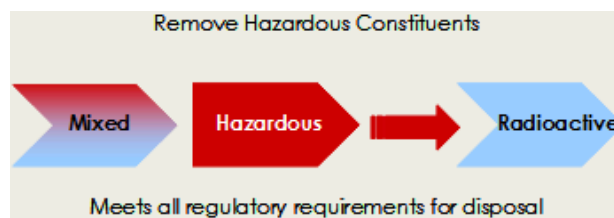
- Positioned to be the major supplier in \$50+ billion nuclear waste treatment market
- Improving Department of Energy budgets for nuclear waste treatment
- Nearly insurmountable barriers to entry
- Sufficient capacity to support future organic growth
- Recent expansion into onsite waste treatment opens sizeable new growth opportunities
- Completed sale of underperforming industrial facilities with remaining operations generating strong cash flow and positioned for growth

Nuclear Growth Strategy

- Moving into higher-level waste and waste requiring specialized handling:
 - Special nuclear material
 - Classified waste
- Perma-fix has begun bidding on contracts to help the DOE manage waste removal at its nuclear weapons facility
 - Recently awarded major sub-contract at DOE Hanford, Washington site valued at \$40-50 million annually
- Expanding treatment capabilities, such as radioactive PCBs
- Opportunistic acquisitions that leverage core treatment capabilities

Treating Mixed Waste

Perma-Fix is the most comprehensive mixed waste treatment company, with licensed facilities and proven technology to treat waste that is both chemically hazardous & radioactive.



Near-Term Goals

- Organic revenue growth of at least 10-20% annually, in addition to Hanford and future onsite contracts
- Bid on additional contracts to help manage and remediate the DOE weapons facilities
- Additional growth opportunities include:
 - Demonstration of higher level waste treatment at Hanford
 - Additional waste treatment processes, i.e. radioactive PCBs
- Margin improvement within Nuclear Segment
- Utilize strong cash flow to further reduce long-term debt and increase cash reserves

Facilities

Gainesville, FL



Oak Ridge, TN



Kingston, TN



Richland, WA



Former Hanford Weapons Facility

- Located on the Columbia River in Washington
- First utilized as part of the Manhattan Project and throughout the Cold War
 - Provided the plutonium and other materials for the development of nuclear weapons
 - Nine nuclear reactors and associated processing facilities
- World's largest environmental cleanup project;
 - Expected to continue until 2030 and cost over \$100 billion

Plateau Remediation Contract

- Awarded a major subcontract through M&EC subsidiary for waste management and facility operations at the DOE Hanford, Washington Site
 - Prime contract is cost-plus award-fee valued at approximately \$40-50 million annually
- Commenced work on on-site remediation on Oct. 1, 2008
- Adjacent Northwest treatment facility will provide local support

For Additional Information

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Recent Developments

Wednesday, March 13, 2013 - 02:26 PM

[Perma-Fix Schedules 2012 Year-End Earnings Conference Call](#)

Tuesday, March 05, 2013 - 07:31 AM

[Perma-Fix Announces Exclusive Agreement With Kurion, Inc. to Advance New Treatment Technologies for Complex Nuclear Waste](#)

Tuesday, February 26, 2013 - 07:30 AM

[Perma-Fix Announces Collaboration With Pennsylvania Department of Environmental Protection for Oil and Gas Development Radiation Study](#)

Friday, February 22, 2013 - 10:41 AM

[Perma-Fix Awarded Technical Services Contract for West Valley Demonstration Project Support Services](#)

Tuesday, February 05, 2013 - 11:07 AM

[Perma-Fix Selected as Advisor to Provide Technical Consulting for Decontamination of Fukushima Daiichi Nuclear Power Station](#)

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