



NORFOLK ENVIRONMENTAL

FORENSIC ENVIRONMENTAL ENGINEERING

Forensic Engineering, Superfund site in Rhode Island

In the late 1970s the Environmental Protection Agency (EPA) performed aerial surveys of land masses to determine areas where contamination could be found, especially in remote areas of country. A 150 acre lot was detected to have potential hazardous materials disposed of on-site. A principal responsible party (PRP) was found and all liability for the contamination on this site, amounting to over 60 million, was assigned by EPA to one party. It was determined from aerial photos that the site contained 10 acres that were considered active.

Due to high proposed clean-up costs for the identified PRP, Norfolk Environmental was retained to perform characterization and investigatory work to identify other PRPs to have this liability shared. Norfolk Environmental performed sample discovery and analysis on-site which led to the identification of 30 additional PRPs. Contamination, originally thought to be only 10 drums of hazardous waste, was found by Norfolk to exceed 62 drums and 10,000 lab-pack containers. All samples and site characterization was performed in support of litigation activities. This project saved the original PRP millions of dollars in clean-up and proper disposal costs.



Collection of sample from buried waste container

Scope of Services

Norfolk Environmental, in an effort to provide forensic investigation of past contamination, performed the following tasks:

- Fingerprinted chemical contamination from improper disposal of a mixture of hazardous substances, each waste specimen was catalogued on chain-of-custody forms with photographic support
- Provided photographic evidence and eyewitness testimony for support in the identification of over 30 additional PRPs,
- Assisted in settling approximately 80% of contested cases with named PRPs,
- Provided field evidence, collected in some cases using level B suites, in court,
- Performed analysis on-site and worked year round to meet client and EPA's demands.

Please see other side



Air Monitoring being conducted in level B protection for locating and excavating contamination



Separation of waste for proper disposal (after documentation)

Norfolk Mission Statement

Norfolk Environmental, a Division of Norfolk International Corporation, is an engineering, consulting and project management firm specializing in comprehensive environmental management for industrial and real estate clients, municipal and government agencies, and the military. The company's capabilities include regulatory compliance, environmental permitting, environmental due diligence, site assessment, remedial design and construction, site remediation and waste minimization

Norfolk's priority goal is to provide clients with immediate response, full service commitment, high quality consulting and cost effective solutions to their environmental concerns.

Norfolk is one of the first environmental consulting firms to include Licensed Site Professionals under the new Massachusetts Contingency Plan and Chapter 21E of the Massachusetts General Laws. Norfolk also has Licensed Title V Inspectors, Certified Soil Evaluators, and Toxic Use Reduction (TURP) Planners on staff.

Core Service Areas

- Civil and Sanitary Engineering
- Industrial Environmental Consulting
- Site Assessment and Remediation
- Forensic Environmental Investigations

Contact Information

For more information of Norfolk Environmental Services, please contact:

Brian Moran, P.E., L.S.P.	or	Mark Bartlett, P.E.
Vice President		President
508-822-5522		508-822-5522



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Norfolk Environmental • 1244 Broadway • Raynham, MA 02767-1973 • Phone: 508-822-5500 • Fax 508-822-1611