

Table 2-2
Summary of Previous Investigations and Remediations on Bailey Point

Description	Date	Preparer	Summary
Environmental Surveillance and Studies	4/78	Maine Yankee	Final report of surveillance studies performed at Maine Yankee from 1969 through 1977 in order to determine the environmental impact of plant operation.
Evaluation of Ultimate Fate of Chromium	3/89	Robert G. Gerber, Inc.	The report summarizes the evaluation of the potential pathways from a 12,000 gallon underground pipe leak of 700 ppm sodium chromate and estimates maximum possible concentrations reaching various points in the environment based on preliminary modeling. Installation of monitoring wells in bedrock was recommended.
Sodium Chromate Spill Summary Report	6/89	Robert G. Gerber, Inc.	Submission of B-200 series drilling logs and initial water levels, temperature, and conductivity in monitoring wells installed to look for sodium chromate in groundwater.
Sodium Chromate Spill Summary Report	3/90	Robert G. Gerber, Inc.	Summary report of activities done to remediate and evaluate groundwater impacts from spill. Study presents CFS flow calculations, precipitation data, chemical analysis, analysis of saltwater intrusion, water level measurements, and temperature and conductivity measurements from May to December 1989. Chromate had moved out of the groundwater system.
Underground Gasoline Tank Facility Closure Site Assessment	1/92	Robert G. Gerber, Inc.	Site assessment associated with removal of 1,000 gallon underground gas tank northeast of information center. Field headspace on soils and water collected from excavation during tank removal indicated minor leakage of gasoline had occurred.
Underground Gasoline Tank Facility Closure Site Assessment	4/92	Robert G. Gerber, Inc.	A PVC monitoring well was located 10 feet from the former tank location. No gasoline was detected in the groundwater. Contaminated soil was remediated.
Site Assessment for Ferrous Sulfate Tank	2/92	Robert G. Gerber, Inc.	The report summarizes closure activities that included removing liquid remaining in the tank, cleaning the tank, and filling the tank in place.
Groundwater Monitoring Related to Component Cooling Change in Service	10/92	Robert G. Gerber, Inc.	The report summarizes groundwater monitoring completed in 1989 and 1992. The only evidence of significant groundwater impact was associated with seawater intrusion.
Groundwater Monitoring for the Ferrous Sulfate Tank Abandonment	2/92	Robert G. Gerber, Inc.	Site assessment report at time of tank closure. Results of monitoring well installation, water levels and ferrous sulfate chemistry included.
Groundwater Monitoring for the Ferrous Sulfate Tank Abandonment	5/92	Robert G. Gerber, Inc.	Follow-up report on additional chemical sampling of groundwater and nearby seawater. The location appeared to be affected by saltwater intrusion and no further sampling was recommended for ferrous sulfate.
Groundwater Monitoring at Maine Yankee	9/92	Robert G. Gerber, Inc.	Provided a summary of comprehensive groundwater chemistry sampling in B-200 series wells, BK-1, CFS, MW-100, and seawater in March and August 1992. Exceedances of MCL's and MEG's occurred for iron, chloride, bromide, iodide, and TDS, due in part to seawater intrusion in some wells.
Evaluation of Contaminated Soil at Former Low Level Radioactive Waste Storage Area	10/92	Yankee Atomic Electric Co.	Evaluation report on the contaminated soil found in the area of the former low level radioactive waste storage area. The report describes remedial actions and concentrations remaining in soil.
RCRA Facility Assessment (RFA)	8/92	MDEP	The RFA summarized the site setting, geology and spill history of the facility, and identified areas of concern (AOCs).

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Underground Diesel Fuel Storage Facility Site Closure Site Assessment	12/94	Robert G. Gerber, Inc.	Closure report associated with removal of two diesel fuel tanks south of the former Turbine Hall. The report concluded that neither of the tanks nor the associated piping had leaked and oily soil associated with the tank filling station was appropriately removed to Baseline Cleanup Standards. The MDEP concurred with the closure findings January 17, 1995.
Kerosene Leak, Spare Generator Enclosure	7/94	Robert G. Gerber, Inc.	Preliminary report summarizing results of fuel oil analysis of 2 surface water samples, 2 groundwater samples from test pits, and PID headspace readings on soil samples from test pits in the area of the spill. Monitoring well investigation recommended to further delineate groundwater impact.
Site Assessment Report of Kerosene Leak at Spare Generator Enclosure	8/94	Robert G. Gerber, Inc.	Summarized installation of 3 pairs of monitoring wells (soil and bedrock) and one soil boring. Groundwater flow to the west with upward vertical gradients. No kerosene detected below 9.5 feet because of presence of clay-silt. Recommended quarterly groundwater sampling for one year in overburden wells.
Groundwater Summary Report for Kerosene Leak at Spare Generator Enclosure	12/95	Robert G. Gerber, Inc.	Summarized quarterly testing of monitoring wells around kerosene leak site. No detectable concentrations of BTEX, TPH or oil and grease were found in any well during any quarterly sampling event.
Characterization Survey Report for the Maine Yankee Atomic Power Plant	4/98	GTS Duratek	Volume 7 (Hazardous Materials) presents study of soil, groundwater, sediment, and surface water samples collected from locations across the Maine Yankee site for initial, qualitative chemical analysis to support contractor bidding.
Classification and Disposition of Electrical Transformers	9/99	Maine Yankee	Pursuant to Maine Yankee's Site Location of Development order, information was provided to MDEP summarizing PCB information for the six transformers and disposition information.
ISFSI Trench Excavation Sampling and Analysis Plan	11/99	Stone & Webster	Plan to assess the soil excavated from the new storm drain/potable water line trench and the relocated sewer line trench associated with the ISFSI. This plan was required by MDEP Site Location of Development order for ISFSI.
Corrected MDEP RFA	11/99	MDEP	Corrected 1992 RFA presented by MDEP to Maine Yankee November 9, 1999.
Site History Report (SHR)	11/99	Stone & Webster	The report provided a detailed summary of historic releases of hazardous material to the environment and areas of concern initially summarized in the 1992 RFA (MDEP, 1992). It also summarized the field data obtained during the site characterization survey of hazardous materials completed by GTS Duratek in April 1998.
Kerosene Release Investigation	2/00	Stone & Webster	MDEP-approved sampling plan to assess the extent of any soil contamination in the area of the former spare generator storage building as a result of a kerosene leak. Comments received from MDEP 3/2/00 were incorporated into the investigation.
Characterization of Electrical Cables	6/00	Woodard & Curran	Sampling plan to evaluate cable sheathing from various electrical cables at Maine Yankee.
ISFSI Trench Excavation Sampling and Analysis Report	6/00	Stone & Webster	Report summarizing results of soil samples collected pursuant to the sampling and analysis plan submitted to MDEP (11/2/99) as required by MDEP Site Location permit.
Petroleum Contaminated Soils -	6/00	Stone &	Report summarizing remediation of petroleum contaminated soil discovered on March 16, 2000,

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ISFSI Sewer Line Trench		Webster	during installation of the ISFSI sewer line.
Kerosene Spill Report – Spare Generator Storage Enclosure	7/00	Stone & Webster	Presents the results of soil investigation performed in the vicinity of the former spare generator storage building March 6 and 7, 2000, in accordance with the MDEP-approved investigation plan (February 2000).
Barge Slip Access Road Improvements	7/00	Stone & Webster	In accordance with MDEP orders (Site Location and NRPA), soil samples were collected from four locations within the area disturbed by barge slip access road improvements.
Spray Chemical Addition Tank (SCAT) Closure Certification	7/00	Stone & Webster	Closure documentation to support closure of the SCAT, submitted to MDEP July 13, 2000. The closure was conducted in accordance with an MDEP-approved closure plan submitted to MDEP on January 11, 2000.
ISFSI RFI Sampling Results	8/00	Maine Yankee	Summary of RFI sampling performed within the ISFSI area (Study Area 4) prior to construction. A response to MDEP comments was provided to MDEP December 14, 2000.
Kerosene Spill Remediation Plan	8/00	Stratex, LLC	Plan to remediate kerosene-contaminated soil in the area of the former spare generator storage building. The plan was approved by MDEP August 23, 2000.
Kerosene Spill Remediation	9/00	Stratex, LLC	Presents the results of soil remediation performed August 24, 25 and 28, 2000, which resulted in the removal of 1,700 tons of kerosene-contaminated soil from the site of the former spare generator storage building.
ISFSI Soil Remediation Plan	9/00	Stratex, LLC	MDEP-approved plan to remediate petroleum-contaminated soil discovered during construction of ISFSI on August 28, 2000.
Report on August 28, 2000 ISFSI Spill Discovery Remediation	10/00	Jacques Whitford	Results of remediation of petroleum-contaminated soil discovered on August 28, 2000, during construction of ISFSI. Approximately 30 cubic yards of soil was excavated August 30 and September 7, 2000.
Building Assessment Plan (BAP)	10/00	Stratex, LLC	The BAP developed an understanding of the various processes conducted at the Maine Yankee facility, summarized known and documented spill histories and releases, and identified a level of environmental concern for each of the buildings and structures at the facility.
Lube Oil Storage Room Closure Plan	2/01	Stratex, LLC	MDEP-approved plan to close Maine Yankee's Interim Hazardous Waste Facility, the Lube Oil Storage Room, in accordance with CMR Chapter 855. The Plan was approved by MDEP February 26, 2001.
Concrete Waste Characterization Program	3/01	Maine Yankee	Plan that describes the sampling and analysis program to determine the radiological and potential hazardous waste characteristics of the concrete waste that will be shipped off-site for disposal or temporarily stored in on-site storage areas. The plan was approved by MDEP and placed in the Operations Manual for the temporary solid waste storage areas.
Waste Concrete Characterization Report	4/01	Stratex, LLC	Results of extensive concrete sampling performed at Maine Yankee in accordance with MDEP-approved program (3/29/01). The report concludes that concrete at Maine Yankee is non-hazardous.
Building Walkdown Assessment Data Packages	5/01	Stratex, LLC	The data packages document the results of visual site inspections of buildings/structures at the Maine Yankee site performed in accordance with the BAP.

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Report on the Maine Yankee Diffuser Reconnaissance Dive	07/01	Eco-Analysts, Inc.	Documentation of reconnaissance dive on the MY diffuser by Eco-Analysts, Inc. in support of NRPA aspects of the site decommissioning.
Certification of Closure-Hazardous Waste Treatment Facility Abbreviated License for Treatment in Tanks	8/01	Stratex, LLC	Closure certification associated with a cable stripping/granulator operated at Maine Yankee from March 2001 through June 2001 within the former Turbine Hall. The certification concluded that the facility was appropriately cleaned prior to removal and that the required test samples did not indicate detectable levels of PCBs.
Additional Building Walkdown Assessment Data Packages	11/01	Stratex, LLC	Additional data packages that document the results of sump/trench inspections performed between 5/9/01 and 10/2/01 in accordance with the BAP.
November 9, 2001 Hydraulic Oil Spill in Restricted Area	12/01	Jacques Whitford	Report documenting remedial activities performed following a crane hydraulic hose leak in the RA area.
ISFSI Form Oil Release Clean-up	12/01	Jacques Whitford	Report documenting removal of soils impacted by form oil, which was applied to wooden concrete forms used to construct ISFSI storage casks.
Ferrous Sulfate Tank Removal Notification	1/02	Maine Yankee	Notification to MDEP of removal of the 9400 gallon ferrous sulfate tank. The tank was removed as part of RFI activities on November 28, 2001. Closure photographs were submitted to MDEP on November 28, 2001, following tank removal as required by Maine Yankee's Site Location/NRPA permit.
April 1, 2002 Hydraulic Oil Spill	5/02	Jacques Whitford	Report documenting remedial activities performed following a crane hydraulic hose leak in the RA area.
Forebay Remediation Plan – Phase 1	6/02	Maine Yankee	As required by Maine Yankee's Site Location/NRPA permit, the first phase of planning for remediation of the forebay was submitted to MDEP. Phase I consisted of further characterization activities to determine the extent of contamination, support remedial alternative analysis, and select dewatering options.
Lube Oil Storage Room Closure Certification	8/02	Stratex, LLC	Final Hazardous Waste Closure Certification of Lube Oil Storage Room, which was prepared in accordance with MDEP-approved Plan. The Closure document was submitted to MDEP August 28, 2002, and a subsequent certification letter was submitted to MDEP October 2, 2002. MDEP concurred that the closure meets the certification requirements of Chapter 855 of the Maine Hazardous Waste Management Rules on 11/28/02.
Removal of PCB Bulk Product Waste from Concrete Blocks	10/02	Maine Yankee	Report submitted to EPA that summarizes removal of PCB Bulk Product Waste paint from concrete removed from the containment building. All the concrete samples collected following paint removal confirmed that the PCB concentrations were below the residual limit of 1 ppm PCBs.
Final Building Walkdown Assessments	11/02	Jacques Whitford	Additional data packages that document the results of the remaining building assessments performed in accordance with the BAP.
Forebay Remediation Plan – Phase 2	12/02	Maine Yankee	As required by Maine Yankee's Site Location/NRPA permit, the second phase of planning for remediation of the forebay was submitted to MDEP. Phase 2 evaluated remedial alternatives, dewatering options, and end-state alternatives.

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Removal of PAB Alleyway Soils	4/03	Jacques Whitford	Report documenting remedial activities performed following a discovery of an historic petroleum-contaminated area during excavation in the PAB Alleyway in the RA area.
Solid Waste Storage Areas Closure Report	11/03	Maine Yankee	Closure reports certifying closure of two temporary solid waste storage areas on plant site.
Bailey Point RCRA Facility Investigation (RFI)	12/04	Maine Yankee, et. al.	Comprehensive report of the RCRA Facility Investigation conducted at Bailey Point including human health and ecological risk assessments.
Hazardous Waste Storage Buildings Closure and Certification	12/04	Dickenson & Associates, et.al.	Closure documentation of MY's two hazardous waste storage buildings and hazardous waste treatment facility license for depressurizing aerosol cans and certificate of closure.
Final Closure Summary Report for Lube Oil Storage Room	01/05	Stratex, LLC	Consultant report, with certification, of final closure summary of MY's Lube oil Storage Room.