

NPL Site Narrative for Coakley Landfill

COAKLEY LANDFILL

North Hampton, New Hampshire

Conditions at proposal (October 15, 1984): The Coakley Landfill covers 20 acres in a residential area in North Hampton, Rockingham County, New Hampshire. The landfill border extends into and along the towns of Greenland to the northwest and Rye to the northeast.

Prior to being permitted by the State as a sanitary landfill on April 21, 1971, the site was a sand and gravel operation. Under an agreement made in 1972, the owner was to be responsible for compaction and cover material at the landfill, and the City of Portsmouth was to manage the disposal of incinerator ash from the Portsmouth Refuse-to-Energy Project at the landfill.

The State is presently investigating the landfill as a potential source of ground water and surface water contamination in the area. The site is located in an area of permeable sands and gravels. Both surface water and ground water leave the site in more than one direction.

The presence of volatile organic solvents has forced closing of 13 private residential wells to the north, east, and south of the landfill. The Town of North Hampton extended a municipal water line to the residents. The year-round population supplied by wells within 3 miles of the site is 79,300. The State has set up an early warning system to detect well contamination in the entire area.

In March 1983, the State issued a Consent Order requiring the owner to accept only incinerator ash from the Refuse-to-Energy Project. In addition, the owner was ordered to conduct a full-scale hydrogeologic investigation of the landfill area. The State is presently working with the owner and other potentially responsible parties to develop a workplan for the investigation.

Status (June 10, 1986): The State completed work on the hydrogeologic investigation it began in the fall of 1984. The results of this investigation are being incorporated into the workplan for the remedial investigation. Efforts to get the owner and other potentially responsible parties to conduct a full-scale hydrogeologic investigation of the landfill area were not successful. Therefore, in the spring of 1985, the State applied to EPA for a cooperative agreement to conduct a remedial investigation/feasibility study (RI/FS) to determine the type and extent of contamination at the site and to identify alternatives for remedial action. EPA awarded the cooperative agreement in August 1985, and negotiations with contractors to perform the RI/FS are underway.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaqs/index.asp) (<http://www.atsdr.cdc.gov/toxfaqs/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.