

Quanta Resources Corp.

New Jersey

EPA ID#: NJD000606442

EPA REGION 2 Congressional District(s): 32

Bergen
Borough of Edgewater

NPL LISTING HISTORY
Proposed Date: 1/11/2001
Final Date: 9/5/2002

Site Description

The Quanta Resources Corporation site includes Block 93 Lots 1, 2, & 3 (commonly known as 163 Old River Road) and Block 95 Lot 1 (commonly known as 145 River Road) in Edgewater, Bergen County, New Jersey, and portions of neighboring properties. The site covers approximately 15 acres; the expansion of River Road in 1995-1996 was constructed over a portion of the site. The site property is bordered to the north by "The City Place Promenade" (formerly Celotex Industrial Park), to the south by the 115 River Road Office Complex (formerly Spencer-Kellogg Industrial Park), to the west by Old River Road, and to the east by the Hudson River. From approximately 1876 to 1967 the site had been used to manufacture coal tar, paving, and roofing materials. Allied Chemical Corporation Asphalt Division (now Honeywell) took over operations in 1930. In 1974, Allied Chemical sold the property to Mr. James Frola and Mr. Albert Von Dohln. In 1977, Mr. Frola and Mr. Von Dohln leased the property to E.R.P. Corporation for the storage and recycling of oil. Shortly thereafter, E.R.P. assigned its lease to Edgewater Terminals, Incorporated. Quanta Resources Corporation obtained usage of the property through the transfer of the lease from Edgewater Terminals. From 1974 to 1981 Quanta Resources operated a waste oil processing facility. The site had 61 above-ground storage tanks (ASTs) with a total capacity of over 9 million gallons, along with an unknown number of underground storage tanks (USTs) and numerous underground pipes. These tanks were used to store oil, tar, asphalt, sludge, process water and other unknown liquids. On July 2, 1981, the New Jersey Department of Environmental Protection (NJDEP) forced the closing of the Quanta Resources facility when it was discovered that the storage tanks contained large quantities of oil with polychlorinated biphenyls (PCBs) concentrations as high as 260 parts per million (ppm). Approximately 10,000 people currently live in the borough of Edgewater. Groundwater near the site is not used as drinking water; municipal water is supplied by the Oradell reservoir.

Site Responsibility :

This site is being addresses through Federal and responsible party actions.

Threat and Contaminants

Groundwater underneath the site and adjacent properties is contaminated with arsenic, chromium, lead, polynuclear aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs). Soils at the site are predominantly contaminated with arsenic, chromium, lead, and PAHs. PCBs were detected at low levels in the soil in localized areas.

Sediments near the site in the Hudson River contain arsenic, chromium, lead, PAHs, VOCs, and coal tar creosote.

A coal tar creosote plume exists beneath the Quanta Resources site and under portions of adjacent properties, and extends approximately 750 feet into the Hudson River. At low tide, discharges of coal tar creosote from the mudflat and areas of the bulkhead are visible, creating sheens.

While the immediate threats to human health have been addressed by the removal actions, hazardous substances still remain at the site. Trespassers are at risk from incidental ingestion of contaminated soils in the upland area and sediments in the mud flats. Recreation, such as swimming, boating, jet-skiing, etc., in the Hudson River near the site is not recommended. NJDEP has issued a fish consumption advisory for certain species caught in the Hudson River. People are advised not to eat the fish and crabs caught near the site.

Steps taken to alleviate immediate risks include the implementation of a Boom Plan near the shore to mitigate and adsorb sheens, installation of warning signs and repairing the fence surrounding the property to deter trespassing. Indoor-air sampling was performed in March 2006 and July 2006 at the 115 River Road office complex to address vapor intrusion concerns. The sampling results did not indicate an immediate threat. The indoor air at 115 River Road will continued to be sampled in 2007. Recent groundwater and soil sampling data identified vapor intrusion concerns at

additional properties west of River Road. Vapor intrusion evaluation of these properties will be performed in Spring 2007.

Cleanup Approach

This site is being addressed in two phases: initial actions and a remedial phase focusing on the entire site.

Response Action Status

Initial Action: In 1984, the state of New Jersey asked EPA to help address the PCBs and other hazardous liquid wastes on the now-abandoned facility through the Emergency Response program. Between 1984 and 1988, EPA directed and provided oversight of several cleanup actions performed by parties responsible for the contamination. Approximately 1.35 million gallons of PCB-contaminated oil was removed for off-site treatment. Over 1.5 million gallons of coal tar were removed from storage tanks and recycled. Over 60 aboveground storage tanks and 10 underground storage tanks, as well as numerous underground pipes, were removed.

Entire Site : The investigation is being conducted in two concurrent operable units. Operable Unit 1 will determine the nature and extent of contamination on the land and in the groundwater. Operable Unit 2 will determine the nature and extent of contamination in the sediments and river. These studies will supplement existing information relating to the contamination, assess the risks posed by the contamination, and evaluate cleanup methods to address the contamination at the site. Field work for the investigation of Operable Unit 1 began in summer 2005 and is expected to be completed in spring 2009. Field work for Operable Unit 2 began in summer 2006 and is expected to be completed in summer 2009.

Cleanup Progress

The initial actions addressed the most immediate threats to human health and the environment posed by the site. Portions of the site fence were replaced or repaired to restrict access and discourage trespassing. Site signs were installed to warn the public of the presence of hazardous substances.

Site Repositories

Edgewater Free Public Library 49 Hudson Avenue Edgewater, NJ, 07020 EPA Record Center 290 Broadway, 18th Floor New York, NY 10007-1866 (212) 637-4308