

NPL Site Narrative for Quanta Resources

QUANTA RESOURCES Edgewater, New Jersey

Conditions at Proposal (January 11, 2001): The Quanta Resources Corporation (QRC) site is located at 163 River Road in Edgewater, Bergen County, New Jersey. The site covers approximately 8 acres since the expansion of River Road took over a portion of the site. The site property is bordered to the north by the Celotex Industrial Park, to the south by the former Spencer-Kellogg Industrial Park, to the west by River Road, and to the east by the Hudson River. From approximately 1930 to 1981 the site had been used as an oil and tar storage and reclamation facility.

Beginning in the early 1930s, Allied Chemical Corporation Asphalt Division (now Allied-Signal) operated a tar processing plant at the site. In 1974, Allied Chemical sold the property to the estate of Mr. James Frola and Mr. Albert Von Dohln. In 1977, Mr. Frola and Mr. Van 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 transfer of the lease from Edgewater Terminals. 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 biphenyl (PCB) concentrations as high as 260 parts per million (ppm).

Between 1984 and 1988, removal action activities were conducted at the QRC site. These actions were supervised by the U.S. Environmental Protection Agency (EPA) and focused on the cleaning and decommissioning of the ASTs and USTs. In addition, some underground piping and shallow soils containing coal tar were removed from the site. In 1992, EPA conducted an assessment of the previous removal actions, which included the collection of soil, ground water, and sediment samples. Analytical results from these sampling activities indicated that CERCLA hazardous substances were still present on site. From 1992 to present, the EPA Removal Program has conducted several sampling events that included the collection of surface and subsurface soil samples, and surface water and sediment samples from the Hudson River in areas where a sheen was observed adjacent to the Quanta Resources site. Analytical data from these sampling events indicated the presence of elevated levels of polynuclear aromatic hydrocarbons (PAHs) and metals.

Under an Administrative Consent Order with EPA, Allied-Signal contracted GeoSyntac Consultants to conduct a Removal Site Investigation (RSI) at the QRC site. This investigation was conducted in 1998 and 1999 and included the collection of surface and subsurface soil samples collected from Quanta Resources property as well as from properties in the vicinity of the Quanta Resources property, ground water samples collected from monitoring wells, and sediment samples collected from the Hudson River. Based on the results of activities conducted during the RSI, heavy end coal tar product was estimated to extend from the area west of where the new River Road exists to approximately 750 feet into the Hudson River.

An observed release to surface water by direct observation is documented through the direct deposition of heavy end coal tar product to the Hudson River. Elevated concentrations of PAHs (including benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, benzo(k)fluoranthene, and dibenzo(a,h,)anthracene) are documented in the Hudson River, which is a fishery and a sensitive environment (i.e., state-designated water body for the maintenance of aquatic life).

Status (September 2002): EPA is considering various alternatives for this site.

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.