Remediation of Quanta Resources Superfund Site

CONSTRUCTION UPDATE #1

River Road, Edgewater, NJ

May 2017

Cleanup to Begin at Quanta Site

Under the direction of the U.S. Environmental Protection Agency (EPA) and the New Jersey Department of Environmental Protection (NJDEP), Honeywell is implementing the EPA approved selected remedy at the Quanta Resources Superfund Site on River Road in Edgewater, New Jersey.

In May 2017, the cleanup will begin on the west side of River Road on the Block 93 parcel (see area outlined in red on map to the right). This work is expected to last about one month. The remedy will then proceed to the east side of River Road.

Approximately 8,000 cubic yards of contaminated soil at Block 93 will be treated using a process called in situ solidification (ISS). In the ISS process, cement will be mixed with the contaminated soil using an auger or excavator bucket. The mixed material will harden into a solidified mass, locking up arsenic, coal tar, and waste oil, and preventing groundwater from moving through it.

Prior to the start of the ISS work on Block 93, crews will:

- Install and program mobile air monitoring units
- Install stormwater and erosion controls
- Install construction fencing
- Establish work areas, including parking, equipment laydown, and material management areas

Status of Field Work at Quanta Site (east of River Road)

In October 2016, Honeywell began work at the Quanta site. To date the following tasks have been completed:

- ✓ Cleared abovegrade vegetation
- ✓ Set up temporary construction facilities
- ✓ Installed and programmed fixed perimeter air monitoring units

Work in progress and scheduled:

- Demolition of 115 River Road building
- Installation of steel bulkhead along the shoreline
- ISS on the Quanta site along the Hudson River

Public Availability Session

May 16, 2017

1:00 - 4:00 p.m.
and
6:00 - 9:00 p.m.

Edgewater Borough Hall, 55 River Road

EPA and Honeywell representatives will be available to answer questions.

Remediation areas (shaded in green) and location of air monitoring units

Protecting Health and Safety

EPA and Honeywell are committed to protecting the health and safety of onsite workers and the community during environmental cleanup of the Quanta site. All construction workers are trained to comply with Occupational Safety and Health Administration (OSHA) requirements and participate in daily safety meetings. Honeywell is implementing a detailed Health and Safety Plan approved by EPA and NJDEP. *Every site worker is authorized to stop work if he or she observes unsafe conditions.*

Odor Control

Coal tar, one of the contaminants, has a distinct odor similar to asphalt or mothballs. Every effort will be taken to minimize these odors, but some low levels are anticipated. The odor, which can be offensive, does not necessarily indicate a potential effect on public health. The human nose can detect coal tar odors at low concentrations even when air quality meets government health standards.

Odors will occur when soil containing coal tar is uncovered. Odors will be controlled using a nontoxic foam that is safe for the environment. The foam will be sprayed on the exposed soil to minimize odors escaping into the air. Foam will be applied liberally. At the end of the work day, any exposed areas will be covered in foam and plastic sheeting (or a similar material).

Residual odors may linger in the air after the work day, similar to what occurs after asphalt paving. How long odors persist will depend on a number of factors, including their intensity, the length of time the contaminated soil was exposed, and environmental factors such as wind direction, wind speed and air temperature.

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Demolition of 115 River Road Building

Example of a mobile air monitoring unit

Fixed air monitoring unit during setup and testing at Quanta site

Dust Prevention and Air Quality

Dust prevention is an important goal of the Health and Safety Plan. Water will be sprayed frequently to control dust. Dust control measures are designed to keep the concentrations of dust below government action levels.

The air monitoring system for the Quanta cleanup will include multiple fixed and mobile units. The units are placed strategically around the site to provide coverage for wind coming from any direction. Air will be monitored for dust and site-related contaminants to safeguard air quality at the perimeter of the work zones. Air monitoring sensors will alert at a low "warning level" to allow action to be taken before dust or site-related contaminants reach government action levels. A full-time air quality specialist will monitor the system and is authorized to stop work if necessary.

Air monitoring results, which are collected in real time, will be reviewed by technicians against air quality criteria established for the project, and will be posted on the project website in about 24 hours.

Some of the contaminants cannot be analyzed in real time. For these contaminants, air samples will be collected for laboratory analysis of individual chemicals. These results will supplement the real-time air monitoring to confirm that the surrounding community is not exposed to emissions from the site above allowable levels.

Air monitoring data will be posted on:
www.quantaremediation.com

Minimizing Construction Impacts

Honeywell is dedicated to minimizing construction-related impacts, such as noise and traffic disruption, to the fullest extent possible.

- In accordance with Borough of Edgewater regulations, construction will occur between 7:30 a.m. and 6:00 p.m. on weekdays and Saturdays. Any adjustment to address specific issues will be requested through the Borough of Edgewater offices.
- No work will occur on Sundays except emergency work or if a variance is granted.
- Increased truck traffic (by approximately two trucks per day) will occur primarily in the first month of construction, when equipment such as the crane, Bobcats, and other setup material will be brought to the site via River Road. Following initial mobilization, traffic will be limited to daily site workers and the delivery of dry cement or cinder in a single truck.
- Public access to local businesses will be maintained throughout construction. Traffic may be temporarily re-routed to allow access to the 115 River Road pier. Details of the traffic plan will be posted on the project website.

For More Information, Contact:

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Call EPA toll-free at: 877-251-4575
Visit EPA's website: www.epa.gov/superfund/quanta-resources

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For project updates, schedule, and air monitoring data visit:
www.quantaremediation.com