


# Memo

**GZA GeoEnvironmental, Inc.**

*Sent Via Email*

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**TO:** Joseph Martella- RIDEM

**FROM:** Meg Kilpatrick – GZA 

**CC:** Michele Leone – NGRID  
Ken Lento – NGRID  
Stephen Raymond -GZA  
James Clark - GZA

**DATE:** September 30, 2010

**FILE NO.:** 05.0043654.00

**RE:** Gas Holder Demolition – Ruptured Vactor Hose  
Former Gas Holder Dismantling  
Former Tidewater Facility  
Pawtucket, Rhode Island  
RIDEM Case No. 95-022

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Per your request, GZA GeoEnvironmental, Inc. (GZA), on behalf of The Narragansett Electric Company d/b/a National Grid (National Grid), has prepared this memorandum for the purpose of summarizing the actions implemented in response to the release of approximately 15 to 30 gallons of sludge and water from a ruptured vactor hose at the above-referenced Site. Per our earlier communications, these activities occurred on August 24, 2010. The vactor truck was being employed for the purpose of removing residual sludge and water from the interior of two former gas holders in preparation for subsequent dismantling. The holder dismantling general contractor, TFord Company, Inc. (TFord) and their gas holder cleaning subcontractor, Moran Environmental Recovery (Moran), under the supervision of GZA GeoEnvironmental, Inc. (GZA), completed the response actions described below.

At 1430 hrs on August 24, 2010 a flex hose connecting a vactor box to the vactor truck ruptured while vacuuming sludge from former gas holder #7 into a vactor box. A quantity of sludge within the ruptured hose (approximately 15 to 30 gallons) spilled onto the surface of the holder # 7 work platform and adjacent access road. The approximate location of the impacted area is outlined on the attached Figure 1. The access road and work platform were constructed by TFord solely for completion of the gas holder demolition work. The access roads were constructed by placing non-woven geotextile over existing ground surface and placement of eight to twelve inches of compacted processed gravel over the geotextile.

## **RESPONSE ACTIONS PERFORMED**

- Sludge and visually impacted materials (processed gravel work platform and access road) were immediately removed by TFord with a backhoe and by Moran with a vactor truck and containerized in a lined roll-off container (approx. 2 to 3 cubic yards). The lateral extent of visually impacted materials is shown on the attached Figure 1. The depth of visually impacted materials was limited to approximately 2- inches (i.e, to a depth above the geotextile layer).
- The area of visual impact was restored by placing approximately 2-inches of imported processed gravel over the footprint of the visually impacted material that was removed.
- Absorbent pads and booms were also immediately applied to areas where rain water carried sludge sheen approximately 10-feet down a portion of the access road.
- Excavated materials and spent absorbent supplies were placed in a roll-off and will be subsequently characterized and disposed off-site in accordance with all applicable laws and regulations. Disposal documentation will be provided to RIDEM under separate cover at a later date following receipt from the receiving facility.

Please call me if you have any questions or require any additional information at 401-421-4140 Ext. 2719.

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**FORMER GAS HOLDER DISMANTLING**  
Former Tidewater Facility, Pawtucket, Rhode Island



PHOTOGRAPH NO. 1 - Removal of visually impacted processed gravel with vector truck.



PHOTOGRAPH NO. 2 - Area of visual impact following restoration with imported processed gravel.

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