

# Port Authority of New York & New Jersey Call-In Environmental Contract

## Background

The Port Authority's Environmental "Call-in" Consultant contract requires GRB to perform the full spectrum of environmental science and engineering services related to petroleum contamination, UST's, AST's, site investigations, Phase I and II investigations, environmental sampling, report preparation, remedial designs, air monitoring, and contractor oversight services. These services are provided at international airports, bus depots, tunnels, bridges, and marine and port facilities located in both New York and New Jersey.

<b>Key Project Elements</b> <i>(Applicable Key Elements are Highlighted in Blue Below)</i>	
<ul style="list-style-type: none"> <li>➤ Remedial Design/ Investigation/Feasibility Studies</li> <li>➤ Site Investigations</li> <li>➤ Stormwater Permitting</li> <li>➤ UST Investigations</li> <li>➤ Field Inspections</li> <li>➤ Sampling &amp; Analytical Support</li> <li>➤ Air Permitting Support</li> <li>➤ Removal Oversight</li> </ul>	<ul style="list-style-type: none"> <li>➤ Regulatory Negotiation Support</li> <li>➤ Tank Tightness Testing</li> <li>➤ Environmental Auditing Support</li> <li>➤ Drilling and Well Installation</li> <li>➤ Hydrogeologic Investigations</li> <li>➤ Phase I &amp; II Investigations</li> </ul>

## Scope of Services

Professional services provided by GRB include the following:

- Project scoping and planning
- Regulatory analysis, interfacing, and technical support
- Field inspections, audits, and technical oversight
- Environmental data collection and analysis
- Report preparation describing methodology, results, findings and recommendations for additional activities and/or mitigative measures
- Preparing quantity take-offs and remedial cost estimating
- Preparation of contract documents including specifications and design drawings in accordance with Port Authority standards
- Shop drawing review and approval



GRB's Quality Control/Assurance Program is implemented with each task assignment. All designs and preparation of Contract Documents conform to Port Authority Standards.

Recent professional services have included the performance of Phase I and II Environmental Site Assessments for multiple sites in accordance with the guidelines of the American Society for Testing and Materials Standard Practices (ASTM E 1527). These projects have included a site in Jersey City, New Jersey which will site a new electrical substation, and 5 sites located in Harrison, New Jersey that will be used for the expansion and construction of a PATH station. Phase II services have included the performance of multiple soil borings, installation of temporary well-points, collection and analysis of soil and groundwater samples, and the collection and analysis of bulk samples for asbestos and chip samples for lead analysis. Data summary tables were prepared which compared the investigatory results to appropriate regulatory standards. Data were used to qualitatively and quantitative assess "baseline" environmental conditions at the properties prior to purchase. Order-of-magnitude cost estimates were also prepared to quantify potential environmental liabilities associated with the sites. Recommendations regarding the need for additional investigatory activities and/or remedial measures, and potential associated costs were also prepared for consideration by the Port Authority.