Emergency Response Action Plan

2011

Prepared for the
Brookhaven National Laboratory
Upton, NY 11973

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Brookhaven National Laboratory is Operated by Brookhaven Science Associates for the US Department of Energy

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1.1 EMERGENCY RESPONSE ACTION PLAN

The Emergency Response Action Plan portion of the FRP is designed to provide only that information needed during an actual response to an incident. The full context of the tables and lists contained in this section is available in the FRP. All forms used during the response exercise should be replaced with clean copies at the end of the incident.

1.1.1 Qualified Individual

Edward T. Murphy
Manager – Energy & Utilities
631-872-8968 (Cell phone), 631-344-3466 (Business)

The Laboratory Crisis Manager (CM) has overall responsibility during a response to a Laboratory emergency. The Crisis Manager will assume the role of the Qualified Individual (QI) during response to a release. Mr. Edward T. Murphy is one of three Crisis Managers for this facility and, when required, he shall assume overall strategic management of external emergency response and will be the primary interface with DOE/BHSO and other governmental agencies. The QI/CM is knowledgeable of emergency planning procedures and will implement response activities during an oil spill emergency. In the absence of the primary QI/CM, notification will be made to a designated alternate. The line of succession for these alternates is set forth in BNL's Office of Emergency Management Program operations and procedures.

A copy of the most recent Emergency Operations Center Team Schedule and Roster are included in the Emergency Response Action Plan as Attachment 1.

1.1.2 Emergency Notification Checklist

The Emergency Notification Checklist presents the names and telephone numbers of BNL resources that may be contacted in the event of a spill or release (see Figure 1-1.1). The name of each person contacted and time of notification will be recorded on the Checklist.

1.1.3 Spill Notification Information Form

The Spill Notification Information Form is used to record information associated with a significant spill or release incident (see Figure 1-1.2). Information to be recorded on the form includes the materials released, date and time, release location, quantity released, and number of injuries. Small quantity spills are recorded on a truncated form. The Environmental Protection Division (EPD) maintains records of all spills.

1.1.4 Response Equipment List and Location

Spill response equipment is maintained at several locations on site (see Table 1-1.1). Portable fuel transfer pumps, hand tools, and absorbent materials are available in a sea-land container located on the east side of Seventh Avenue for immediate response to spills occurring at the Major Petroleum Facility (MPF). A spill response trailer used primarily for small, petroleum-related incidents is parked at the Site and Staff Services Garage (Building 326) and contains a small amount of absorbent materials that could be used during an oil spill incident. Heavy equipment and additional personnel for remedial work are available from BNL's Facilities and Operations (F&O) Directorate. Additional absorbent material is available from the Fire/Rescue Group, which is staffed by trained First Responders. BNL's Fire/Rescue Group and F&O Directorate, during inspection and testing, update the equipment lists, if necessary, or when any changes in equipment or supplies are made. A complete list of BNL's Fire/Rescue Group's

equipment and supplies available for spill response is presented in Attachment 4. The equipment listed in Attachment 4 is inspected/updated on a weekly basis. Contact the on duty Captain for the latest list in the event of an emergency.

The estimated total absorbent recovery capability is 500 gallons, excluding the use of sand or soil. The total portable transfer pump capability at the MPF is approximately 4,500 bbls per day. BNL's fire department is staffed 24-hours a day and is responsible for providing first response resources for fire, medical, and hazardous material or oil spill incidents. Table 1-1.1 contains a list of equipment.

In addition to the equipment listed in Table 1-1.1, there are numerous communication systems available, including pagers, cellular phones, two-way radios, emergency mass notification (email, text, cell, home, and office phones), and conventional telephone systems.

An agreement was reached with Miller Environmental Group, Inc. (MEG) to provide response resources (personnel and equipment) for spills up to and including worst-case discharge (WCD) amounts at BNL. MEG is located in the immediate area of BNL and is a recognized Oil Spill Response Organization (OSRO) for spills within the Port of New York area. MEG will respond within 1 to 6 hours of notification depending on the severity of the incident. Attachment 2 includes equipment capabilities of MEG.

1.1.5 Response Equipment Testing and Deployment

All emergency response equipment is used for routine facility operations; consequently, it is always in-service and fully deployable. Heavy equipment is used for construction and routine earth-moving activities. Similarly, all pumps and other transfer equipment are routinely deployed during normal facility operations. Therefore, emergency response equipment is operational at all times and the personnel who would operate the equipment in a spill response are capable of deploying and operating it during an emergency.

In addition, all equipment is inspected and maintained at least annually by maintenance staff to ensure its reliability. Heavy equipment and emergency response vehicles (e.g., Fire Rescue) are routinely maintained by a staff of heavy equipment and automotive mechanics. Copies of preventative and routine maintenance records for emergency response vehicles, heavy equipment, and other equipment (e.g., pumps) are maintained by BNL's Facilities Operations Center and Staff Services Division.

The Laboratory's OSRO continuously maintains their emergency spill response equipment. Attachment 2 includes documentation of MEG's equipment deployment exercises.

Figure 1-1.1
EMERGENCY NOTIFICATION PHONE LIST
BROOKHAVEN NATIONAL LABORATORY

Reporter's Name:	Date:
Facility Name: Brookhaven National Laboratory	Owner Name: U.S. Department of Energy
Facility Identification Number: New York State, Major Oil Storage Facility ID. No. 01-1700	

Organization	Phone Number	Person Contacted	Time of Notification	Comments
BNL Police Group	631-344-2222			
BNL Fire Rescue	631-344-2222			
BNL Safety and Health Services	631-344-8211			
BNL Environmental Protection Division	631-344-3148			
BNL Response Coordinator (Qualified Individual)	631-344-3466 or 631-872-8968 (cell)			
EPA National Response Center	1-800-424-8802			
New York State Department of Environmental Conservation (SERC)	518-457-7362 (24 hour)			
Suffolk County Department of Health Services	631-854-2537			
Local Emergency Planning Coordinator	631-852-4855 (Business Hours)			
BNL Directors Office	631-344-7774			
DOE/Brookhaven Site Office	631-344-3424			
BNL Clinic	631-344-3670 (Business Hours)			
Stony Brook Hospital	631-444-1911			
Fire Marshall: Suffolk County Fire, Rescue, and Emergency Services	631-852-4855 (Business Hours) 631-852-4815 (24-hr. Service)			
Miller Environmental Group (Response Contractor)	631-369-4900			
New York State Police (Riverhead Barracks)	631-728-3000			
TV/Radio: Notification by BNL Media & Communications	631-344-3174			
Weather Service: BNL Meteorology Group	631-344-2271			
Local Water Supply System	631-514-1280			

* *BNL maintains fulltime, 24 hour, fire and security response capabilities. Emergency response is initiated by calling 344-2222 (x2222 via on-site phones), which simultaneously notifies both response organizations.*

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Figure 1-1.2

SPILL NOTIFICATION INFORMATION FORM
Brookhaven National Laboratory

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Reporter's Last Name:	First:	Middle Initial:	Reporter's Company Position:

BNL Phone Number(s):

Facility Name:	Owner Name:	Organization Type:
Brookhaven National Laboratory	**U.S. Department of Energy**	**Department of Energy Research Facility**

Street Address: **40 Brookhaven Avenue**	City: **Upton**	State: **NY**	Zip: **11973**

Were Materials Released: (Y/N)	Confidential: (Y/N)
Meeting Federal Obligations to Report: (Y/N)	Date Called:
Calling for Responsible Party: (Y/N)	Time Called:

Incident Description

Source and/or Cause of Incident:

Date:	Time of Incident:

Incident Address/Location:

Container Type: Tank Capacity: Units:

Facility Capacity: Units:

Facility Latitude: **N 40 Degrees 52 Minutes 03 Seconds**

Facility Longitude: **W 72 Degrees 52 Minutes 17 Seconds**

Figure 1-1.2 (cont.)

SPILL NOTIFICATION INFORMATION FORM
Brookhaven National Laboratory

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Material Released

Name or CHRIS Code	Released Quantity	Unit of Measure	Material Released to Water? (Yes or No)	Quantity	Unit of Measure

Response Action

Actions taken to correct, control, or mitigate the incident:

Impact

Number of Injuries:	Number of Deaths:
Were there Evacuations: (Y/N)	Number Evacuated:
Was there any Damage: (Y/N)	Damage in Dollars (approximate):

Medium Affected:

Description:

More Information about release medium:

Additional Information

Any information about the incident not recorded elsewhere in the report?

Caller Notifications

EPA/NRC: (Y/N)	NYSDEC: (Y/N)	SCDHS: (Y/N)
Name:	Name:	Name:
Date: Time:	Date: Time:	Date: Time:

CHRIS: Chemical Hazard Response Information System USCG: United States Coast Guard
EPA: United States Environmental Protection Agency

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Table 1-1.1
Spill Response Equipment
Brookhaven National Laboratory

Operations and Maintenance: Heavy Equipment Inventory

Number of Units	Make	Type/Model	Operational Status
1	Caterpillar (D7)	Dozer	Active
1	John Deere (JD 450-C)	Dozer	Active
3	Kawasaki, Clark, and Volvo	Payloaders	Active
2	John Deere	Payloaders	Active
2	Caterpillar	Payloaders	Active
3		Dumpsters	Active
2		Load Lugger Trucks	Active
7		Dump trucks	Active
2	Volvo	Backhoe	Active
1	New Holland	Backhoe	Active
2	Honda	Generators (5-50 kilowatt)	Active
3	New Holland	Skidsteers	Active
3	Bobcat	Skidsteers	Active
1	Vacmaster System 4000	Vacuum System	Active

Major Oil Storage Facility: Response Equipment Inventory

Transfer Pumps

Make	Model	Capacity	Operational Status
LeRoi	Air-driven double diaphragm (90 psig)	2,000 gph at 150-foot head	Active
LeRoi	Air-driven double diaphragm (90 psig)	2,000 gph at 150-foot head	Active
LeRoi	Air-driven double diaphragm (90 psig)	2,000 gph at 150-foot head	Active
LeRoi	Air-driven double diaphragm (90 psig)	2,000 gph at 150-foot head	Active

Key:
psig = Pounds per square inch gauge gph = Gallons per hour

Table 1-1.1 (continued)
Spill Response Equipment
Brookhaven National Laboratory

Transfer Hose

Number	Length	Type	Service
4	25 feet	3-inch wire reinforced	Oil
3	20 feet	3-inch wire reinforced	Oil
3	25 feet	2-inch wire reinforced	Oil
1	20 feet	2-inch wire reinforced	Oil

Absorbents

Number	Package	Type
3	30-gallon pails	Loose absorbent material
1	50-pound bag	Loose absorbent material
6	Bundle (200 sheets)	Absorbent pads

Hard Boom: 1000 feet of hard boom to be deployed as necessary

Fire Rescue: Emergency Response Equipment Inventory

Number	**Equipment**	**Summary of Supplies Available (See Note Below)**
2	Haz-Mat Trailers	HazMat Level ‘A’, ‘B’, & ‘C’ capability. Up to Large Size Spill capability. Hand tools, spark resistant shovels, wrenches, standard and over-pack drums, acid and base absorbents, plastic sheet goods, absorbents (pads, loose, socks – multiple quantities of all), personal protective equipment, etc, decon equipment, chlorine kits.
1	Rescue Unit	HazMat Level ‘B’and ‘C’ capability. Up to Moderate size spill capability. Extrication and technical rescue equipment. Hand tools, spark resistant shovels, wrenches, acid and base absorbents, mercury kit, plastic sheet goods, absorbents (pads, loose, socks), personal protective equipment, mass casualty emergency medical supplies, metering and monitoring equipment, APR/PAPR’s, SCBA’s.
1	Ambulance	BLS Capability. Emergency medical supplies, resuscitation equipment, emergency life support.
1	Class ‘A’ Engine	1500-gallon per minute pump, foam mixer, ladders, portable extinguishers, fire hose with assorted nozzles, hand tools.

Table 1-1.1 (continued) Spill Response Equipment Brookhaven National Laboratory		
Fire Rescue: Emergency Response Equipment Inventory (Continued)		
Number	**Equipment**	**Summary of Supplies Available (See Note Below)**
1	Command Vehicle	Communications and computer capabilities. Internet and Intranet capability.
1	Ladder/ Pumper	2000 GPM pump with 95' bucket/ladder. Foam capability, assorted fire equipment.
1	EMS Kubota	4x4 vehicle with BLS EMS equipment.
NOTE:	A more detailed list of all Fire Rescue equipment and supplies available at BNL for spill response is presented in Attachment 4.	

1.1.6 Brookhaven National Laboratory Facility Response Team

The primary BNL emergency response team is composed of BNL's Police and Fire/Rescue Groups. On-site personnel available on a 24-hour basis for immediate deployment include the following:

- Police Group: Multiple Officers, including Captain
- Fire Rescue: six to eight personnel, including a fire captain;
- Site Shift Supervisor: one F&O Directorate representative; and
- Senior Stationary Engineer: two Major Petroleum Facility staff.

During off-hours, additional support will be requested to respond through the Office of Emergency Management (OEM). Attachment 3 includes names and cell phone numbers of key personnel that may be called in during an emergency response to an oil spill or release. Many of these personnel are connected to the emergency response paging system, which is effective even if the person is not on-site. This list will be reviewed annually to ensure that personnel and phone numbers are current. The BNL OEM will always have the most current version of this list.

In the event of an oil spill or release, BNL's Police and Fire Rescue Groups are simultaneously notified by calling Extension 2222. First responders (i.e., the Fire Rescue Group) assess the incident and determine what additional resources are needed to make an accurate characterization. The Incident Commander then initiates the emergency response paging system to request appropriate personnel assistance. All Emergency Response personnel are available through BNL's Emergency Mass Notification System, including the Qualified Individual (Crisis Manager), Operations and Maintenance supervisory staff, environmental compliance staff and others listed in Attachment 3.

The responding BNL personnel will assess the spill and determine the appropriate response procedure, consult with the Crisis Manager, and make appropriate notifications. Personnel from the F&O Directorate are available for containment and remediation activities as required. Table 1-1.2 lists BNL Emergency Response Organization (ERO) personnel by category that would typically respond to releases of oils and chemicals. In addition to BNL personnel, the Miller Environmental Group, a registered Oil Spill Response Organization for the Port of New York, is contracted to provide additional mitigation in a Medium- or Worst-Case Discharge. Table 1-1.2 includes Miller's phone number and response time.

Table 1-1.3 provides more details on the key ERO personnel, including their title, name, telephone number, response time, and primary responsibility during the response action. At a minimum, all emergency response personnel are trained to respond rapidly, safely, and effectively to an oil spill and to use available materials and equipment. BNL uses the Incident Command System approach to manage emergency response, which is based upon the USCG Training Reference for Oil Spill Response as appropriate. All training is documented in the BNL training database and/or departmental training records. Training records are forwarded to the BNL Training office by individual departmental training coordinators. Therefore, no specific training dates are provided in this document.

Table 1-1.2
EMERGENCY RESPONSE ORGANIZATION
BROOKHAVEN NATIONAL LABORATORY

Personnel (by Catergory)	Response Time (Minutes)	Telephone (Day/Evening)
Qualified Individual (Crisis Manager)	30	2222
Police Group	3	2222
BNL Fire/Rescue Group	3	2222
Facility & Operations Senior Stationary Engineer	1	2222
Environmental Protection Division Environmental Compliance Personnel	30	2222
Safety and Health Services Division Industrial Hygiene Personnel	30	2222
Miller Environmental Group (contract support)[1]	1 – 6 hours	631-369-4900

[1] Attachment 2 includes documentation on MEG's personnel and equipment capabilities

1.1.7 Evacuation Plan

Based upon the previous Hazard Assessment conducted for Laboratory operations and discussed in section 1.4 of BNL's Facility Response Plan, there are no petroleum-based release scenarios that would require off-site evacuations or protective actions from a spill that emanates from the Major Petroleum Facility. In addition, due to the size of the BNL site, the engineering controls in place, and the isolation of the MPF, the need to evacuate the site due to a Worst Case Discharge is also very remote. Only in the event of an uncontrollable fire would full site evacuation be considered.

During response to spill events, the Fire Captain is the first emergency responder to arrive at the scene. The Fire Captain assesses the spill to determine additional response resource needs. In the event of a large release at BNL, the following key factors are considered:

- **Location of stored materials**
  The largest amount of stored material is located at BNL's Major Petroleum Facility. This location of large storage tanks, along with all other petroleum bulk storage tanks, are indicated on Figure 1-1.3 of this Emergency Response Action Plan, which can be pulled out and used in the event of an emergency.

- **Potential hazards imposed by the spilled material**
  The primary hazard from a spill of fuel oil is the potential for an ignition that starts a fire. While highly unlikely, the potential for this scenario does exist. This fire could be an uncontrolled fire (with exposures) or smaller in scale with a large amount of smoke.
  Other hazards would include environmental insult based upon quantity and flow path of the material spilled. This has potential for entry into drywells and storm drains.

There is little concern regarding the generation of a 'plume' of material that emanates from a fuel oil spill.

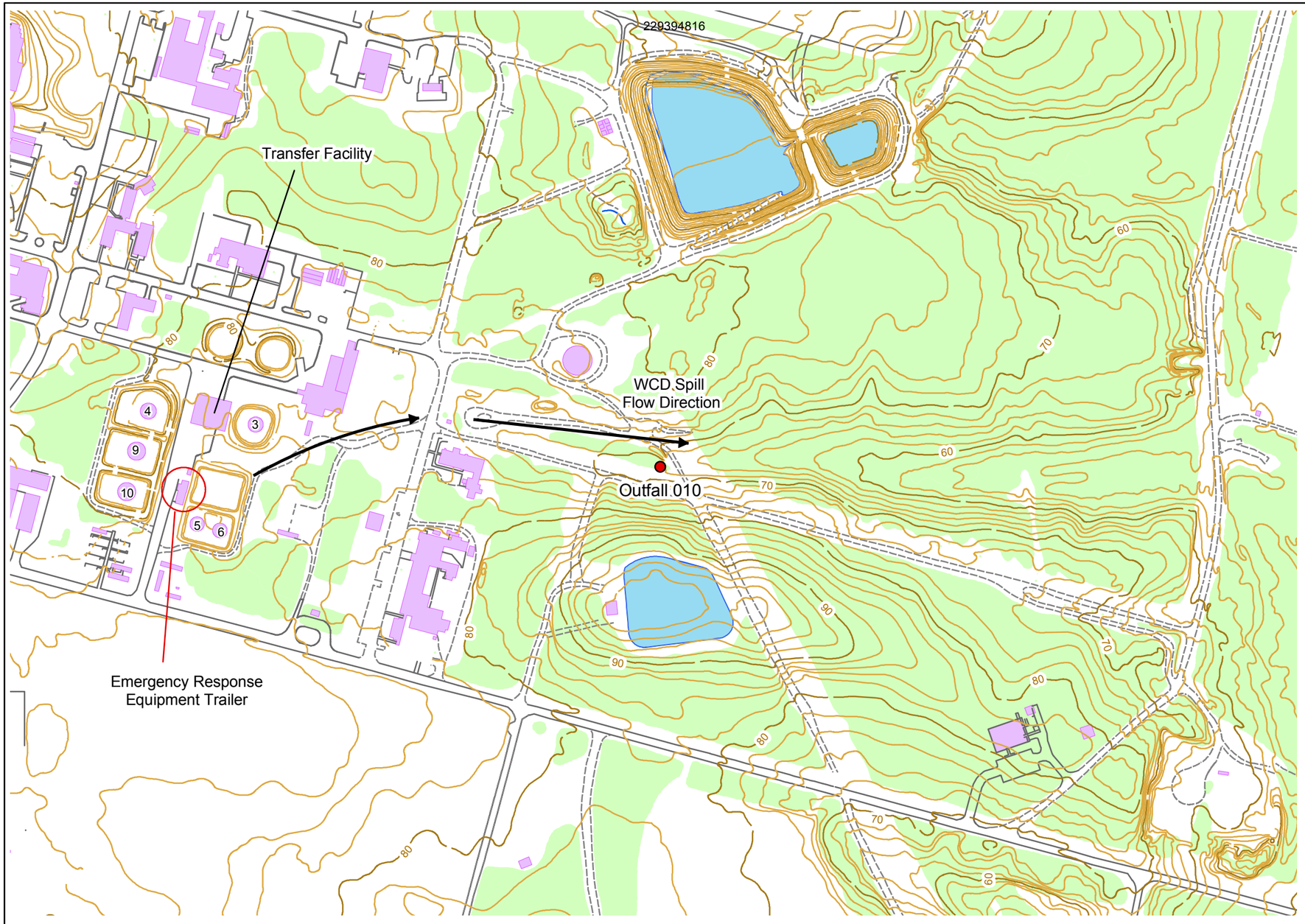
- **Spill flow direction**
  This will be determined at the time of the incident by the Fire Captain responding to the spill. A major spill at the MPF that is not contained within the secondary containment would flow in an easterly direction away from the central portion of the Laboratory (See Figure 1-1.5).

- **Prevailing wind direction and speed**
  The wind speed and direction will be determined at the time of the incident by the Fire Captain responding to the spill. BNL's Emergency Operations Center (EOC) has access to meteorological data that are representative of conditions on-site and that information can be obtained at any time. In general, the primary wind rose in the spring and summer months is from the southwest and the primary wind rose in the fall and winter months is from the northwest.

- **Arrival route of emergency response personnel and response equipment**
  Based on the spill flow direction and wind direction/speed, the responding Fire Captain will determine the best arrival route for all emergency response personnel and response equipment. This message would be included in the emergency response page that goes out to the Laboratory's ERO. Emergency response agencies have multiple access routes, from various directions, into the MPF.

- **Evacuation routes**
  BNL has the unique ability to be able to evacuate the site in any direction (See Figure 1-1.6: BNL Site Evacuation Plan Diagram). However, the primary evacuation routes are to the west, northwest, and southwest. The Laboratory has one major north-south road in the western part of the site, with five major east-west roads feeding into it. Most Laboratory facilities lie east of Upton Road and west of the MPF. The main exit is via Princeton Avenue going westward from Upton Road at the southwest sector of the site (Main Gate). At each end of Upton Road there are secondary exits, which are normally used only at rush hour (North and South Gates). There is one secondary gate available northeast of the MPF. For most emergencies, all of the primary Laboratory gates would be open and available, unless specific meteorological or other conditions preclude the use of a route to a gate.

  There are two types of evacuation that could occur - a selective evacuation and a general evacuation. A selective evacuation takes place when it is felt that the risk is greater in some areas than in others. In this case, evacuation shall be staggered and directed by zones in decreasing order of the predicted hazard. Some zones may stand by or shelter in place instead of evacuating. A general evacuation will be ordered when the emergency is of such magnitude that its effects could be site-wide or when the IC determines the presence of nonessential personnel on site might be an impediment to effective control of the emergency situation. This may be ordered late in a Selective Evacuation.
  All personnel except those having specific emergency functions will be directed to leave the site. Personnel would leave the site by the most direct means possible. Ultimately, the location and size of the spill will determine the need for evacuation.



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Legend

- 2' Topography
- 10' Topography
- Dirt Roads
- Paved Roads
- Buildings
- Onsite Surface Water
- Vegetation
- Recharge Basins

BROOKHAVEN NATIONAL LABORATORY

Environmental Protection Division

Central Steam Facility

Figure # 1 - 1.5

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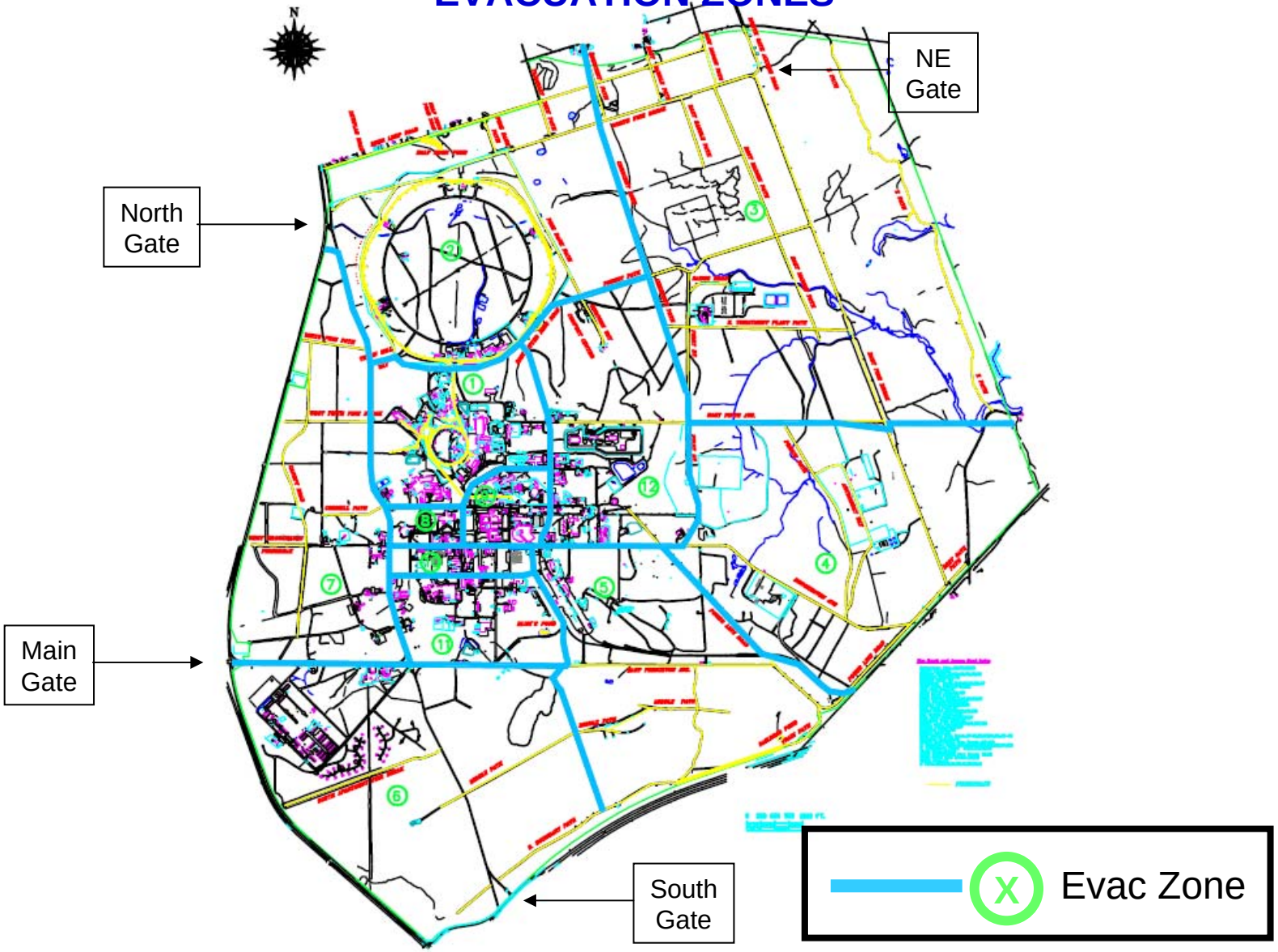
r:/graphics/esd/csf/topo_map_r1_1-5.pdf

Figure 1- 1.6
BROOKHAVEN NATIONAL LABORATORY
EVACUATION ZONES



- **Transportation of injured personnel to nearest emergency medical facility** – BNL maintains a full-service ERO including emergency medical technicians, NYS certified ambulance, and fire response personnel. During normal business hours, there is also access to doctors and nurses at the site clinic, who are trained and are part of the ERO. They provide initial on-site assistance in the event of a mass casualty incident. BNL works closely with area hospitals in the event personnel are injured and require transportation to a medical facility. Injuries to three or more people would require use of mutual aid resources through the Suffolk County Mutual Aid Plan to assist in transportation.

- **The need for a centralized check-in area for evacuation validation (roll call)** The BNL response system is based upon the Incident Command System (NIMS compliant) and the Fire Captain assumes the role of Incident Commander until relieved by a superior officer or qualified replacement. An incident command post is established near the site of release in a safe area. For incidents requiring a central command and additional resources, the EOC, currently located in Building 939, is staffed. From this facility, communications with outside resources, the media, and regulatory agencies can be established. This would also act as the centralized check-in area for evacuation validation in the event a site-wide evacuation is necessary.

BNL maintains an Emergency Plan for addressing response to "operational emergencies" including fire, medical, weapons of mass destruction, nuclear, chemical/oil release, criminal and meteorological scenarios. In general, selective or general evacuations (as described above), are just two of the many protective actions that can be taken in response to emergencies. Protective Actions are described more fully in the BNL Emergency Plan.

Off-site protective actions resulting from other emergencies at BNL but impacting the local community are implemented by New York State and Suffolk County authorities. These actions would be based upon their knowledge of the emergency by interaction with BNL under the mutual aid agreement in place for the County of Suffolk.

Table 1-1.3
EMERGENCY RESPONSE PERSONNEL
BROOKHAVEN NATIONAL LABORATORY

Title	Name	Telephone[1]	Response Time	Responsibility During Response Action
1. Assistant Laboratory Director (F&O)	L. Bates	2222	30 minutes	Oversight of plant activities, including direction, coordination of containment, and remediation of spilled product.
2. Manager, Energy & Utilities (Qualified Individual)	E. Murphy	2222	30 minutes	
3. Manager, Utilities Complex	W. Chaloupka	2222	30 minutes	
4. Manager, Site Resources Division	T. Lambertson	2222	30 minutes	
5. Supervisor - MPF	E. Simon		15 minutes	Oversight of Major Petroleum Facility staff
6. Environmental Protection Division Regulatory Compliance Staff	J. Haskins D. Bauer F. Craner S. Ferrone B. Hooda R. Lee P. Pohlot J. Remien K. Schwager J. Williams (one of ten)	2222	30 minutes	Assess release, determine notification requirements, and notify response personnel.
7. F&O Directorate Site Shift Supervisor	On Duty (one of five)	4284	On site	F&O Support
8. Manager, Emergency Management	M. Pena	2222	60 minutes	Evacuation Coordination
9. Public Affairs Office	M. Lynch	2222	60 minutes	Public Relations

[1] Telephone number that is initially used when the person is not on site. The Incident Commander initiates the emergency response paging system to request appropriate personnel assistance, including those listed above. All are available through the Emergency Mass Notification System.

1.1.8 Immediate Actions

BNL has determined that primary cleanup activities for most spills in excess of 1000 gallons occurring in non-contained and high-risk areas will be performed by the contracted OSRO, MEG. However, a decision can be made at any time and for any amount released to call in the OSRO for response assistance. Regardless of who has been designated to perform the cleanup, BNL will implement immediate spill containment as described below:

Immediate spill response actions include:

- Cease flow of product by securing pumps or valves, transferring oil, installing temporary plugs, etc.

- Warn site personnel by cordoning off area and securing the site to prevent unauthorized access;

- Secure all ignition sources to prevent fire;

- Initiate containment by construction of berms, dikes or application of absorbent; and

- Notify regulatory agencies per BNL standard procedure including the National Response Center, the NYSDEC, SCDHS, etc. (See 1.1.8.1 below)

1.1.8.1 Notifications

In the event of an oil spill or release of hazardous material, appropriate internal and agency notifications will be initiated. Spill notification is made by anyone discovering an oil spill and is initiated by notifying the Fire Rescue and BNL Police Groups by dialing extension 2222 and their supervisor. Fire Rescue response personnel are First Responders and assess the incident for further notifications. At a minimum, the EPD is notified of all spills for assessment of regulatory and environmental impacts. For extremely small and insignificant spills (spills to impermeable surfaces and less than five gallons), the spill is remediated by the Fire Rescue Group and/or the F&O Directorate. The incident is recorded by EPD on a spill report and senior management is notified via copy of the report. For spills that impact soils or waterways, or are greater than five gallons, the Laboratory's Directors Office is notified of the spill, and, if necessary, apprised of the situation at the spill site and given information concerning the severity of the emergency.

All employees are instructed to give the following information when discovering a spill:

- Name and department affiliation;
- Location of spill;
- Material spilled;
- Approximate quantity spilled;
- Brief description of incident; and
- Personnel notified/responding to the incident.

EPD personnel responding to any spill will obtain the information necessary to complete the Environmental Protection Division Chemical and Oil Spill Reporting Form (Figure 1-1.7). This form will be used in conjunction with the Spill Notification Information Form (Figure 1-1.2) for more significant spills to assemble pertinent spill information. This information is needed to notify various federal, state, and local agencies. Notifications will not be delayed if all information is not available. EPD shall notify the following agencies and offices, when appropriate.

Figure 1-1.7

Environmental Protection Division
Chemical and Oil Spill Reporting Form

INITIAL NOTIFICATION	Date:		Time:	
By (Name, Affiliation):				
Personnel Responding at Scene:				
SPILL INFORMATION	Date:		Time:	
Material Spilled:				
Source of Spill:				
Quantity:	Location:			
Responsible Dept:				
Fire & Rescue Incident Response #:	ORPS Reportable:			
DETAILS AND REMEDIAL ACTION				
POSSIBLE HEALTH OR FIRE HAZARDS				
POTENTIAL FOR GROUND WATER CONTAMINATION				
Sampled:				
Type of Samples:		No. of Samples:		
Location:				
GOVERNMENT NOTIFICATION REQUIRED	NYSDEC		Person Notified	Time Notified
	EPA			
	SCDHS			
NYSDEC, Albany, 24-hr No.: 518-457-7362	NYDEC Spill #:			
EPA National Response Center: 1-800-424-8802	EPA NRC Ref. #:			
SCDHS: 631-854-2537	SCDHS Spill No.:			
NOTIFICATION OF DOE OFFICE REQUIRED			Person Notified	Time Notified
Brookhaven Site Office, G. Granzen - Ext. 4089 or R. Desmarais – Ext. 5434				
NOTIFICATION OF DIRECTORS OFFICE REQUIRED			Person Notified	Time Notified
Sarah Mahler - Ext. 4207 for George Goode				
ADDITIONAL COMMENTS				
Report Filed By:		Date:		

cc: D. Bauer, A. Bou, W. Dorsch, S. Ferrone, G. Goode, B. Hooda, R. Howe, R. Lee, T. Lambertson, G. Olsen, D. Paquette, P. Pohlot, J. Remien, J. Selva, J. Williams

Additional cc:

File: EC100ER.08

Government agencies that may require notification include:

- EPA National Response Center (800) 424-8802
- New York State Department of Environmental Conservation (NYSDEC) (518) 457-7362
- Suffolk County Department of Health (631) 854-2537
- Local Emergency Planning Coordinator (631) 852-4855

United States Department of Energy (DOE) offices include

- Brookhaven Area Office (631) 344-3424

BNL offices include

- BNL Director (631) 344-7774

The ERO maintains a list of additional contact names and phone numbers. The Emergency Notification Checklist provides BNL personnel with a convenient and efficient form to list phone contacts and to document notification (see Figure 1-1.1).

1.1.8.2 Response Actions

Before initiating any response action, an evaluation should be made to determine the presence of other hazardous materials or radiological contamination at the scene. While there are no known areas of fixed contamination in the immediate area of the MPF, it does not preclude the presence of radiological materials. Should contaminants be identified, the response actions should be re-evaluated in accordance with the appropriate related BNL plans and procedures for response to radiological and hazardous materials incidents.

Upon receiving notification of a release, Fire-Rescue personnel are deployed to the scene for initial assessment and mitigation efforts. At the site of release, the on-duty Captain assumes the role of Incident Commander and assesses the incident to determine if additional resources, both internal and external, will be needed. After the initial assessment, the emergency response paging system is activated with appropriate information. Through this system of computer-activated pagers and cell-phones, environmental, industrial hygiene, radiological and management personnel (including the Qualified Individual) are notified of the release and the initial response needs. For typical small spills, Fire-Rescue personnel apply oil absorbent, and as necessary, contain the release. F&O Directorate personnel then assume responsibility for collecting the absorbent and removing all contaminated media. The EPD spill response personnel conduct an assessment for reportability. If the spill impacts the environment (i.e., soils) or water, or if it is greater than 5 gallons, it is reported to the regulatory agencies listed in section 1.1.8.1, as appropriate (e.g., the NRC is not notified for spills to soil). If the release involves a hazardous substance and the amount exceeds CERCLA or RCRA reportable quantities, the Local Emergency Planning Coordinator is also notified.

For a small spill or a medium spill (volumes < 2,100 gallons) within containment, BNL's F&O Directorate will use its pumps, absorbents, and mechanical means to recover usable material and remediate the site. For spills requiring response to discharges

exceeding the capability of the facility's emergency response team and engineering resources, contractors will be used.

For a medium or larger spill (i.e., greater than 2,100 gallons), additional mitigation actions need to be considered:

- For all spills, an effort is made to get ahead of the spill and apply immediate mitigation efforts such as boom, hand built dams and other methods.

- For releases that escape secondary containment, secondary earthen dikes or collection points would be constructed using heavy equipment;

- For releases that impact the Peconic River, a weir or underflow dam would be constructed, and absorbent and a containment boom placed at the downstream side of the sewage treatment plant outfall to protect the Peconic River;

- As a secondary defense, containment could be placed on the culvert on the east side of BNL where the Peconic River passes under the powerline access road; and

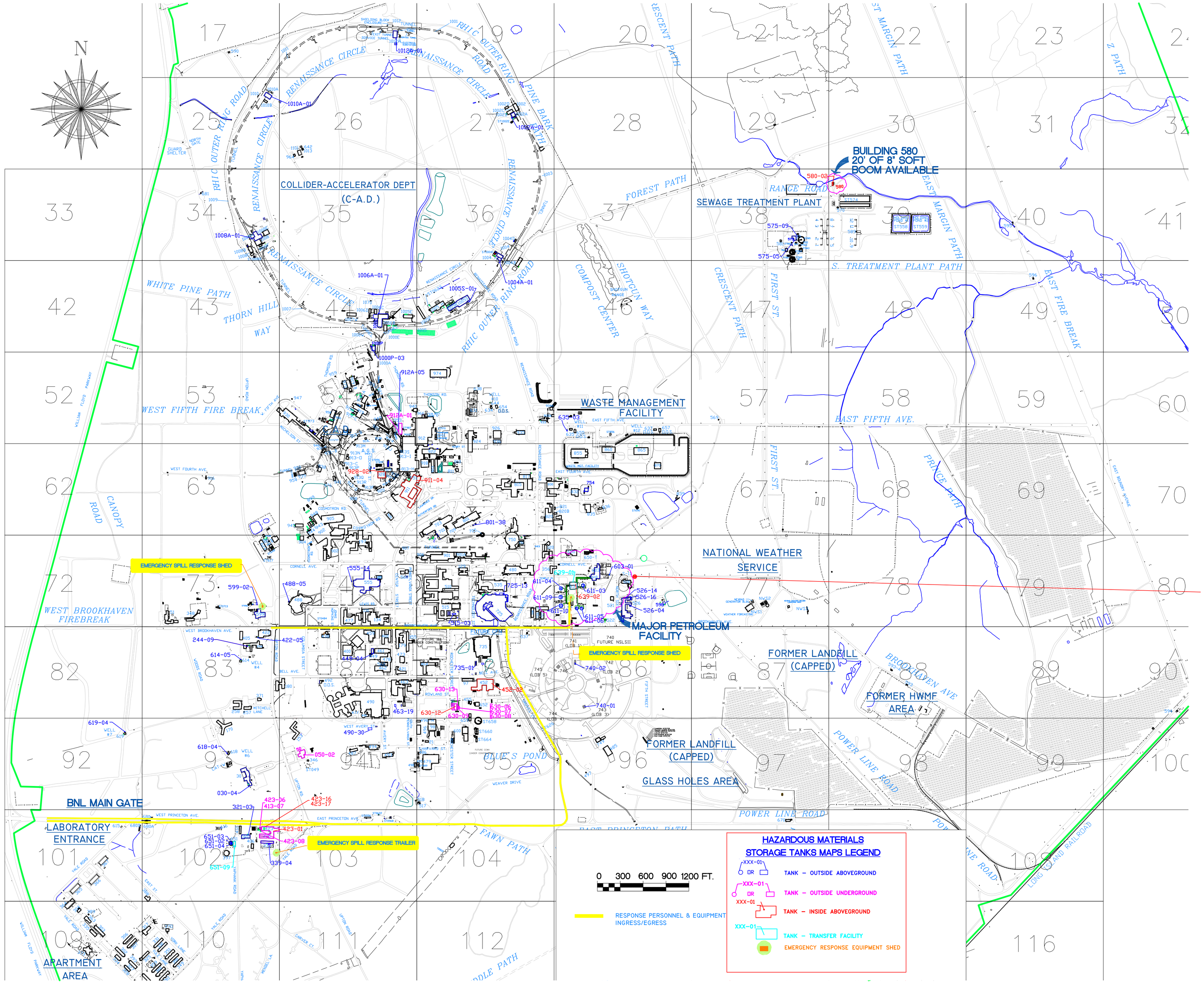
- The Miller Environmental Group (MEG) has agreed to provide response resources up to and including WCD amounts with an initial response time of 6 hours or less depending on spill severity.

1.1.9 Site Diagrams (See enclosed plastic pockets)

Figure 1-1.3 shows the location of petroleum bulk storage tanks at BNL. A table is also included in the plastic pocket that provides more details (e.g. tank size and type) of each tank included in this figure.

Figure 1-1.4 provides details on the larger petroleum bulk storage tanks located at the Major Petroleum Facility (MPF).

Figure 1.1.8 is a storm watershed map that can be used to help spill responders determine the drainage area (i.e. recharge basin) that would most likely receive spilled material in the event of a release to a catch basin.



NOTES:

1. SEE DRAWING I.I-4 FOR DETAILS OF THE MAJOR PETROLEUM FACILITY
2. REFER TO ATTACHED TABLE FOR TANK CONTENT AND CAPACITIES

JOB NO.	SHEET NO	REVISION	DATE	DWN.	APP'D.	QA
		△				

BROOKHAVEN NATIONAL LABORATORY

UNDER CONTRACT WITH
UNITED STATES DEPARTMENT OF ENERGY
FACILITIES & OPERATIONS, MODERNIZATION PROJECT OFFICE
UPTON, NEW YORK 11973

JOB TITLE: FUEL OIL STORAGE TANKS			DWG. TITLE: BALANCE OF PLANT TANK LOCATIONS
ILR,GPP,LNI, HEM	DATE: 01/23/2012	ACCT. NO.	SHEET NO. 1 OF 1
SCALE	DWN. BY: WGB / REV'D BY	JOB NO.	DWG. NO. FIG 1.1–3 ALSO WITH FIG 1–1
ESHQ RISK LEVEL	APP'D. BY: WLC	BLDG. NO.: SITE	
PATH:			

Inventory of Petroleum Fuel Storage Facilities

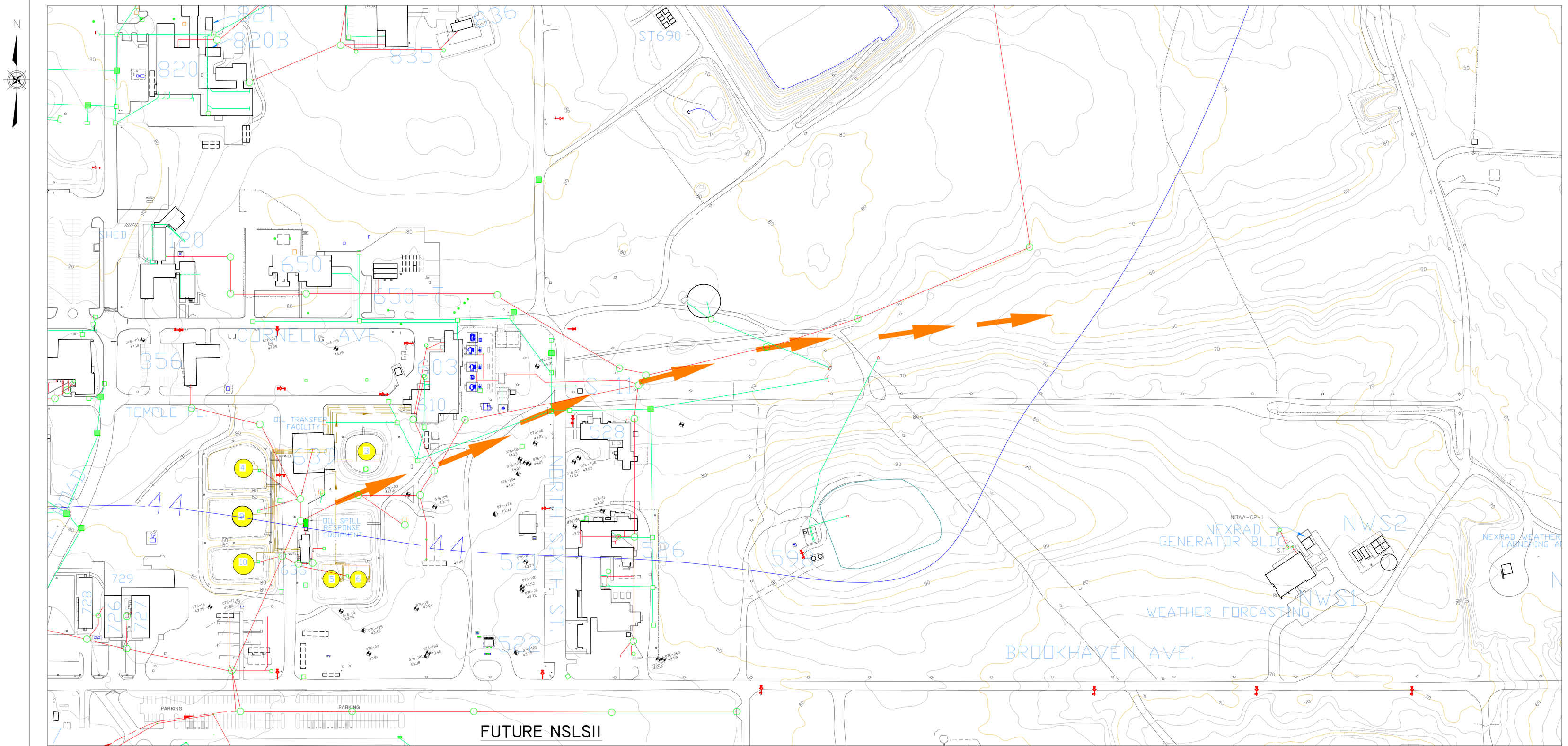
Building #	BNL Tank #	SCDHS Tank #	Capacity	Unit	Material Stored	Location
0030	0030-04	530	4000	Gallons	#2 FUEL OIL	Above/Out
0050	0050-02	843	1000	Gallons	Diesel	Under/Out
0244	0244-09	925	1000	Gallons	#2 FUEL OIL	Above/Out
0321	0321-03	924	1000	Gallons	#2 FUEL OIL	Above/Out
0339	0339-04	926	1000	Gallons	#2 FUEL OIL	Above/Out
0422	0422-05	238	1000	Gallons	#2 FUEL OIL	Above/Out
0423	0423-01	34	260	Gallons	Waste Oil	Above/Out
0423	0423-06	72	8000	Gallons	E-85	Under/Out
0423	0423-07	73	8000	Gallons	GASOLINE	Under/Out
0423	0423-08	220	3000	Gallons	#2 FUEL OIL	Under/Out
0423	0423-16	900	500	Gallons	Motor Oil	Above/In
0423	0423-17	901	500	Gallons	Motor Oil	Above/In
0449	0449-04	937	225	Gallons	Diesel	Above/Out
0452	0452-02	49	275	Gallons	USED OIL	Above/In
0463	0463-19	941	400	Gallons	Diesel	Above/Out
0488	0488-05	938	100	Gallons	Diesel	Above/Out
0490	0490-30	942	400	Gallons	Diesel	Above/Out
0515	0515-03	944	4000	Gallons	Diesel	Above/Out
0526	0526-04	247	270	Gallons	#2 FUEL OIL	Above/Out
0526	0526-14	883	1000	Gallons	#2 FUEL OIL	Above/Out
0526	0526-16	344	250	Gallons	#2 FUEL OIL	Above/Out
0575	0575-05	660	230	Gallons	#2 FUEL OIL	Above/Out
0575	0575-09	845	500	Gallons	#2 FUEL OIL	Above/Out
0580	0580-02	659	140	Gallons	Diesel	Above/In
0599	0599-02	939	225	Gallons	Diesel	Above/Out
0603	0603-01	796	4000	Gallons	Diesel	Above/Out
0611	0611-03	121	300000	Gallons	#6 FUEL OIL	Above/Out
0611	0611-04	122	420000	Gallons	#6 FUEL OIL	Above/Out

Inventory of Petroleum Fuel Storage Facilities

Building #	BNL Tank #	SCDHS Tank #	Capacity	Unit	Material Stored	Location
0611	0611-05	123	300000	Gallons	#2 FUEL OIL	Above/Out
0611	0611-06	124	300000	Gallons	#2 FUEL OIL	Above/Out
0611	0611-09	126	400000	Gallons	#6 FUEL OIL	Above/Out
0611	0611-10	125	600000	Gallons	#6 FUEL OIL	Above/Out
0614	0614-05	---	500	Gallons	Diesel	Above/Out
0618	0618-04	---	500	Gallons	Diesel	Above/Out
0619	0619-04	---	500	Gallons	Diesel	Above/Out
0630	0630-13	943	1000	Gallons	#2 FUEL OIL	Above/Out
0630	0630-06	68	8000	Gallons	GASOLINE	Under/Out
0630	0630-07	69	8000	Gallons	GASOLINE	Under/Out
0630	0630-08	70	8000	Gallons	GASOLINE	Under/Out
0630	0630-09	71	550	Gallons	USED OIL	Under/Out
0630	0630-12	902	280	Gallons	Motor Oil	Above/In
0635	0635-03	---	336	Gallons	Diesel	Above/Out
0639	0639-02	951	1000	Gallons	Bio-Diesel	Above/Out
0651	0651-02	27	10000	Gallons	Diesel	Above/Out
0651	0651-03	28	5000	Gallons	Diesel	Above/Out
0651	0651-04	29	5000	Gallons	Diesel	Above/Out
0725	0725-13	844	250	Gallons	Diesel	Above/Out
0735	0735-01	940	115	Gallons	Diesel	Above/Out
0740	0740-01	---	450	Gallons	Diesel	Above/Out
0740	0740-02	---	450	Gallons	Diesel	Above/Out
0801	0801-38	953	225	Gallons	Diesel	Above/JOut
0911	0911-04	205	1100	Gallons	LUBE OIL	Above/In
0912A	0912A-05	946	3000	Gallons	Diesel	Above/Out
0928	0928-02	209	3200	Gallons	LUBE OIL	Above/In
1000P	1000P-03	576	300	Gallons	Diesel	Above/Out
1002A	1002A-01	570	300	Gallons	Diesel	Above/Out

Inventory of Petroleum Fuel Storage Facilities

Building #	BNL Tank #	SCDHS Tank #	Capacity	Unit	Material Stored	Location
1004A	1004A-01	568	300	Gallons	Diesel	Above/Out
1005	1005S-01	396	500	Gallons	Diesel	Above/Out
1006A	1006A-01	575	300	Gallons	Diesel	Above/Out
1008A	1008A-01	572	300	Gallons	Diesel	Above/Out
1010A	1010A-01	571	300	Gallons	Diesel	Above/Out
1012A	1012A-01	569	300	Gallons	Diesel	Above/Out



MOSF Tank Capacities

Oil Storage Tank Information									Secondary Containment Information					
Tank Number	Building Number	Tank Capacity Barrels	Tank Capacity Gallons	Product Stored	Axis	Year Installed	Diameter (Feet)	Height (Feet)	Berm Width	Berm Length	Berm Depth	Berm Capacity Cubic Feet	Berm Capacity Gallons	% Tank Capacity
										Diameter				
3	611C	7143	300006	#6 Oil	Vertical	1964	40.00	32.00		*51.0*	5.5	44,942	336,166	112%
4	611D	9524	400008	#6 Oil	Vertical	1974	42.50	40.00	132.0	100.0	5.0	66,000	493,680	123%
5	611E	7143	300006	#2 Oil	Vertical	1983	38.00	35.50	110.0	150.0	3.5	57,750	431,970	144%
6	611F	7143	300006	#2 Oil	Vertical	1983	38.00	35:50	110.0	150.0	3.5	57,750	431,970	144%
									Two Tanks in a common Berm					
9	611G	9330	391860	#6 Oil	Vertical	1989	48.00	30.00	132.0	100.0	5.0	66,000	493,680	126%
10	611H	14115	592830	#6 Oil	Vertical	1989	48.00	45.00	132.0	100.0	7.0	92,400	691,152	117%

Oil Spill Response Equipment

Item	Description	Quantity	Capacity (size)
Pumps	LeRoi Air Operated Diaphragm	5	1900 GPH @ 50 foot Head
Hose	3" Wire Reinforced	4	Length @ 25 Feet
	3" Wire Reinforced	3	Length @ 20 Feet
	2" Wire Reinforced	3	Length @ 25 Feet
	2" Wire Reinforced	1	Length @ 20 Feet
Absorbents:	Loose Absorbent Material	3	30 Gallon Pails
	Loose Absorbent Material	10	50 Pound Bag
	Absorbent Pads	6	Bundle (200 Sheets)
Miscellaneous:			
	Shovels	2	Square, Long Handle
	Shovels	2	Spade, Long Handle
	Squeegee	2	Rubber, Long Handle
Boom (hard):		9	100' sections

GROUNDWATER CONTOUR MAP
JUNE 22, 2009
PREPARED BY: D. PAQUETTE

LEGEND

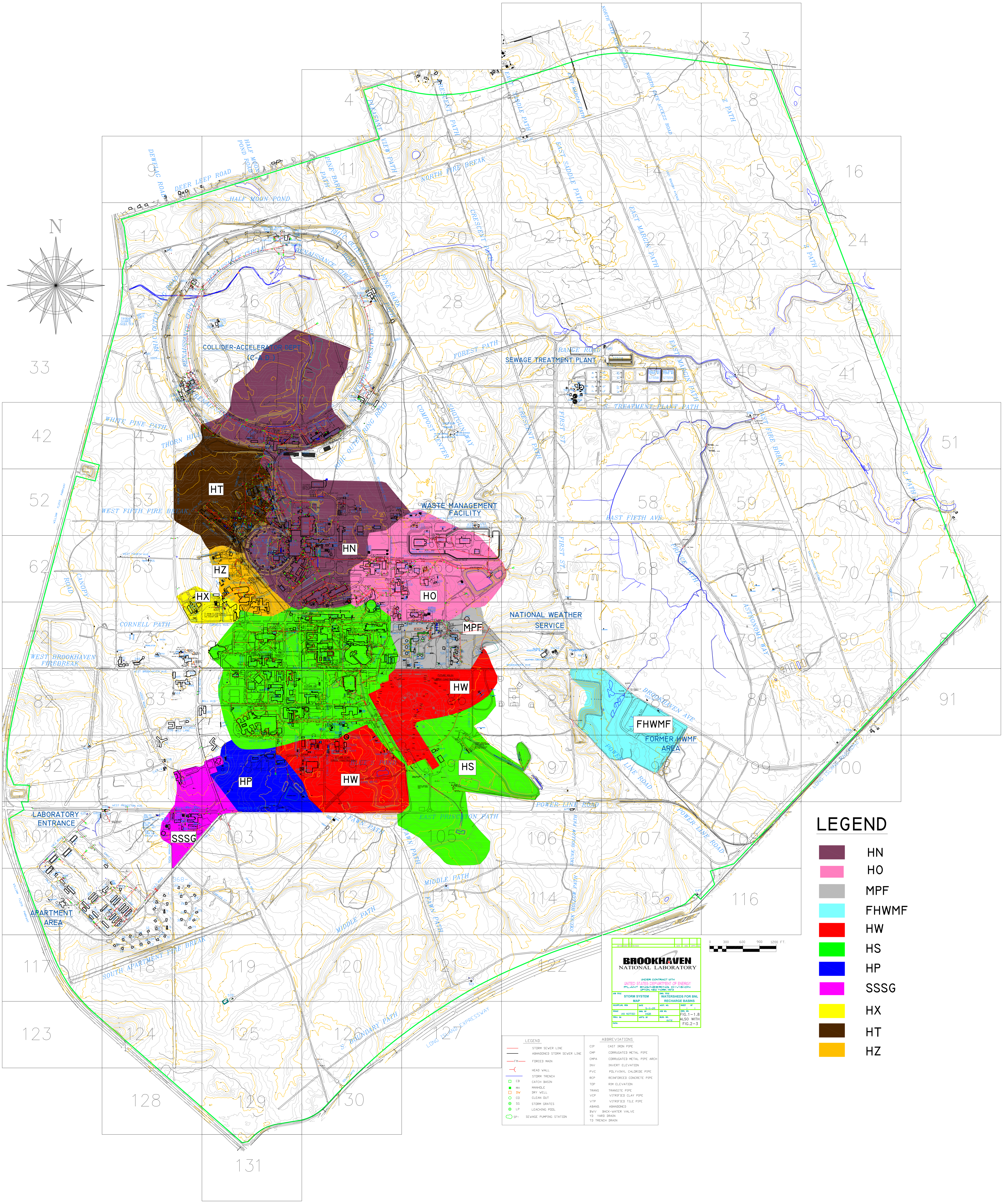
- WELL LOCATION
- 076-04 Grid No.-Well No.
- 39.91' Water Table Elevation (Feet Above Sea Level)
- Line of Equal Water Table Elevation
- General Groundwater Flow Direction
- Hydrant Direction Of Oil Spill Flow
- SANITARY LINE
- STORM LINE
- FUEL LINE

JOB NO.	SHEET NO.	REVISION	DATE	DWN.	APP'D.	QA
		△				

BROOKHAVEN NATIONAL LABORATORY

UNDER CONTRACT WITH
UNITED STATES DEPARTMENT OF ENERGY
PLANT ENGINEERING DIVISION
UPTON, NEW YORK 11973

JOB TITLE: MAJOR PETROLEUM FACILITY SITEPLAN		DWG. TITLE: GRID REF. T5, T6, T7 CENTRAL STEAM FACILITY BUILDING 610 & TANK FARM	
IL/R,GPP,LNI, HEM	DATE: 3-23-11	ACCT. NO.	SHEET OF: XX
SCALE: 1" = 80'-0"	DWN. BY: W.G.B.	JOB NO.	DWG. NO.: FIG 1.1-4 ALSO WITH FIG 1-2
PROJ. QA	APP'D. BY: W.L.C.	BLDG. NO.	
PATH:			



N
COLLIDER-ACCELERATOR DEPT (C-A.D.)
SEWAGE TREATMENT PLANT
WASTE MANAGEMENT FACILITY
NATIONAL WEATHER SERVICE
FORMER HWMF AREA
LABORATORY ENTRANCE
APARTMENT AREA
HT
HN
HZ
HX
HO
MPF
HW
HS
HP
SSSG
FHWMF
DEWFLAG ROAD
DEER LEEP ROAD
HALF MOON POND ROAD
HALF MOON POND
PLEASANT VIEW PATH
PINE BARK PATH
NORTH FIRE BREAK
CRESCENT PATH
EAST SADDLE PATH
EAST MARGIN PATH
NORTH GATE ACCESS ROAD
Z PATH
RHIC OUTER RING ROAD
RENAISSANCE CIRCLE
FOREST PATH
RANGE ROAD
S. TREATMENT PLANT PATH
EAST FIRE BREAK
WHITE PINE PATH
THORN HILL
COMPOST CENTER
SHOTGUN WAY
FIRST ST.
WEST FIFTH FIRE BREAK
EAST FIFTH AVE
PRINCE PATH
CANOPY ROAD
CORNELL PATH
WEST BROOKHAVEN FIREBREAK
ASTRONOMY WAY
BROOKHAVEN AVE
POWER LINE ROAD
EAST PRINCETON PATH
FAWN PATH
MIDDLE PATH
SKUNK HOLLOW PATH
SOUTH APARTMENT FIRE BREAK
S. BOUNDARY PATH
LONG ISLAND EXPRESSWAY
LONG ISLAND RAILROAD
WILLIAM FLOYD PARKWAY
LEGEND
HN
HO
MPF
FHWMF
HW
HS
HP
SSSG
HX
HT
HZ
0 300 600 900 1200 FT.
BROOKHAVEN NATIONAL LABORATORY
UNDER CONTRACT WITH
UNITED STATES DEPARTMENT OF ENERGY
PLANT ENGINEERING DIVISION
UPTON, NEW YORK 11973
JOB TITLE STORM SYSTEM MAP
DWG. TITLE WATERSHEDS FOR BNL RECHARGE BASINS
DATE 5-11-09
SCALE AS NOTED
DWN. BY WGB
BLDG. NO. SITE
DWG. NO. FIG.1-1.8 ALSO WITH FIG.2-3
LEGEND
STORM SEWER LINE
ABANDONED STORM SEWER LINE
FM FORCED MAIN
HEAD WALL
STORM TRENCH
CB CATCH BASIN
MH MANHOLE
DW DRY WELL
CO CLEAN OUT
SG STORM GRATES
LP LEACHING POOL
SP- SEWAGE PUMPING STATION
ABBREVIATIONS
CIP CAST IRON PIPE
CMP CORRUGATED METAL PIPE
CMPA CORRUGATED METAL PIPE ARCH
INV INVERT ELEVATION
PVC POLYVINYL CHLORIDE PIPE
RCP REINFORCED CONCRETE PIPE
TOP RIM ELEVATION
TRANS TRANSITE PIPE
VCP VITRIFIED CLAY PIPE
VTP VITRIFIED TILE PIPE
ABAND. ABANDONED
BWV BACK-WATER VALVE
YD YARD DRAIN
TD TRENCH DRAIN

ATTACHMENT 1

Emergency Operations Center Team Schedule and Roster

Brookhaven National Laboratory
Emergency Response Organization – ERO
Emergency Operations Center Team

Position		Team 1	Team 2	Team 3
Crisis Manager		George Goode	Lenny Butera	Ed Murphy
BHSO Emergency Manager		Mike Holland (Primary)	Maria Dikeakos (Secondary)	
Public Information Unit	BNL PIO	Kathy Geiger	Ken White	Pete Genzer
	BHSO PIO	John Carter (Primary)	Frank Crescenzo (Secondary)	
	Writer	Jim Green	Will Safer	Joe Gettler
EOC Operations Chief		John Amabile	Mike Pena	Mike Pena
Fire Rescue		Chuck LaSalla	Marcel Rosenfeld	Tim Kelly
Police		Dave Peter	Mike Delph	Dave Peter
EOC Planning Chief		Rich Ohlsen	Joe Terranova	Mike Venegoni
BHSO Planner		Robert Desmarais (Primary)	Bob Gordon (Secondary)	
Consequence **A**ssessment **T**eam	CAT Team Lead	Bob Lee	Chuck Schaffer	Steve Coleman
	Industrial Hygiene	John Peter/ Fred Horn	Wai-Lin Litzke	Chris Weilandics
	Radiological	Henry Kahnhauser	Dennis Ryan	Andrea Epple
	Environmental	Jason Remien	Steve Ferrone	Debbie Bauer
	Modeler	Benny Hooda	Jeff Williams	Peter Pohlot
Situation Report Unit		Joe Terranova	Clayton Hamilton	Steve Moss
		Jerry Granzen (Primary)	Pete Kelley / Pat Sullivan (Secondary)	
Documentation Unit		Patricia Carr/ James Vaz	Mindy Markstaller/ Celia Mauro	Sara Mahler/ Andrea Wund
EOC Logistics Chief		Mike Venegoni	Rich Ohlsen	Joe Terranova
Facility Support		Peter Stelmaschuk	Lance Warren	Thomas Baldwin
Information Technology				

BHSO Representatives will be activated by primary and secondary positions to fill positions in any of the three EOC Teams.

EMERGENCY OPERATIONS CENTER TEAM SCHEDULE

	Crisis Mangers
Team 1	George Goode
Team 2	Len Butera
Team 3	Ed Murphy

- Each team is on call for the entire month
- Any team member has may have a conflict and will not be available can arrange coverage for their position from another team

Month	Team on Call
January	EOC Team 1
February	EOC Team 2
March	EOC Team 3
April	EOC Team 1
May	EOC Team 2
June	EOC Team 3
July	EOC Team 1
August	EOC Team 2
September	EOC Team 3
October	EOC Team 1
November	EOC Team 2
December	EOC Team 3

EMERGENCY RESPONSE ORGANIZATION

POSITION ROLES AND RESPONSIBILITIES

BROOKHAVEN NATIONAL LABORATORY

BROOKHAVEN NATIONAL LABORATORY

Operated by

Brookhaven Science Associates, LLC

Prepared by:

BNL

Office of Emergency Management

Laboratory Protection Division

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CONTENTS

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INTRODUCTION

The Incident Command System (ICS) is a management system designed to enable effective and efficient domestic incident management by integrating a combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, designed to enable effective and efficient domestic incident management. A basic premise of ICS is that it is widely applicable. It is used to organize both near-term and long-term field-level operations for a broad spectrum of emergencies, from small to complex incidents, both natural and manmade. ICS is used by all levels of government—Federal, State, local, and tribal—as well as by many private-sector and nongovernmental organizations. ICS is also applicable across disciplines. It is normally structured to facilitate activities in five major functional areas: command, operations, planning, logistics, and finance and administration.

SUMMARY

The BNL Emergency Response Organization (ERO) is developed under ICS which is a key feature under the National Incident Mangement System (NIMS). The ICS is a management system designed to enable effective and efficient domestic incident management by integrating a combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, designed to enable effective and efficient domestic incident management. A basic premise of ICS is that it is widely applicable. It is used to organize both near-term and long-term field-level operations for a broad spectrum of emergencies, from small to complex incidents, both natural and manmade. ICS is used by all levels of government—Federal, State, local, and tribal—as well as by many private-sector and nongovernmental organizations. ICS is also applicable across disciplines.

The information contained below delineates the roles, responsibilities and tasks assigned to each position within the ERO. Staffing from BNL and the Brookhaven Site Office (BHSO) are integrated in the positions outlined below unless otherwise indicated.

INCIDENT COMMAND

INCIDENT COMMANDER

Role:

The Incident Commander (IC) is the Emergency Director until this role is transferred to the Crisis Manager. The IC oversees all aspects of an emergency response; including quickly developing incident objectives, managing all incident scene operations, application of resources as well as responsibility for all persons involved.

Responsibilities:

- Assess situation;
- Establish incident objective and priorities;
- Ensure incident safety;
- Establish incident command post;
- Determine categorization and classification of the event;
- Determine protective actions and protective action recommendations;
- Notification of Operational Emergencies;
- Authorize release of information to the media

Tasks:

- Ensure welfare and safety of incident personnel;
- Develop incident objectives;
- Categorize and classify the incident;
- Implement protective action;
- Notify off-site community of protective action recommendations;
- Initiate and ensure Operational Emergency notifications are sent;
- Transfer Emergency Director responsibilities when EOC is declared Operational

COMMAND STAFF

CRISIS MANAGER

Role:

The Crisis Manager assumes the role of Emergency Director of the incident and is responsible for the overall management of the incident.

Responsibilities:

- Assess the situation and obtain a briefing from the Incident Commander;
- Determine Incident Response Objectives and Strategy;
- Establish immediate priorities;
- Ensure that adequate safety measures are in place;
- Coordinate activity for all Command and General Staff;
- Authorize release of information to the news media;
- Ensure support is provided to the Incident Commander;
- Authorize protective actions and protective action recommendations;
- Activate the Emergency Information Center when necessary;
- Assign spokesperson and technical briefers when required.

Tasks:

- Ensure minimum staffing is met;
- Declare EOC operational;
- Require current status briefing from IC;
- Assume role of Emergency Director;
- Establish objectives;
- Ensure site safety with protective actions if necessary;
- Ensure off-site safety with protective actions recommendations if necessary;
- Ensure EOC staffing is adequate;
- Review and revise incident response objectives as necessary.

BHSO EMERGENCY MANAGER

Role:

The BHSO Emergency Manager is responsible for providing US Department of Energy (DOE) coordination to the incident and Crisis Manager (CM).

Responsibilities:

- Assess the situation and obtain a briefing from the Incident Commander;
- Determine Incident Response Objectives and Strategy with the CM;
- Establish immediate priorities with the CM;
- Ensure that adequate safety measures are in place with the CM;
- Authorize release of information to the news media with the CM;
- Ensure support is provided to the Incident Commander with the CM;
- Coordinate protective actions and protective action recommendations with the CM;
- Assign DOE spokesperson and technical briefers when required;
- Directly request the activation of any DOE or Federal resources to support the incident response;
- Assume role as Crisis Manager when necessary.

Tasks:

- Ensure BHSO Communicator has established communication with DOE Headquarters;
- Participate in current status briefing from IC with the CM;
- Request activation of Federal resources when necessary;
- Authorize release of contingency funds;
- Authorize exposures above DOE administrative control limits;
- In concurrence with the CM the BHSO EM shall:
    - Establish incident response objectives
    - Review and concur with press releases
    - Review and concur with site safety protective actions
    - Review and concur with termination of the event

PUBLIC INFORMATION OFFICER

Role:

The Public Information Officer is responsible for directing the preparation, coordination, and release of public information to internal and external communities, elected officials, government agencies, and the news media during emergency incidents and accidents.

Responsibilities:

- Direct CEGPA response activities and keep CEGPA ALD informed;
- Direct the activities of the EOC writer;
- Manage the preparation and release(s), statements and other emergency communications and obtain approvals from Crisis Manager, BHSO Emergency manager, and Authorized Derivative Classifier (where appropriate);
- In coordination with the Crisis Manager, select a spokesperson and technical briefers (where appropriate) and assign to the EIC/JIC (or offsite JIC) to support press briefings;
- Recommend activation of the Emergency Information Center (EIC) or Joint Information Center (JIC);
- Assist in determining whether the primary, alternate EIC/JIC or offsite JIC should be activated based upon site safety information reported in the EOC;
- Maintain communication with the EIC/JIC manager regarding new or changing information and control/correction of rumors or misinformation;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Report to EOC and obtain status of emergency and determine if activation of EIC or JIC is needed;
- If PIO and Crisis Manager confer that EIC/JIC is needed, initiate CEGPA Organization Emergency Phone Tree call down to open EIC/JIC;
- Direct EOC writer to develop initial press release and obtain approval from CM and an Authorized Derivative Classifier (if appropriate);
- Ensure that first press release is sent within one hour of declaration;
- Direct writer to develop subsequent press releases/statements , obtain authorization to release from the CM, DOE HQ (through DOE BHSO), and Authorized Derivative Classifier;
- Provide briefing to CM on employee, community, government and media inquiries, and media monitoring and rumor control;
- Coordinate assignment of Spokesperson and Technical Briefer(s) for media conference
- Provide approved information to public information personnel including EIC staff for dissemination;
- Assist in publicizing termination of emergency event;
- Collect and consolidate emergency documentation from EOC public information personnel and provide to EOC Manager for retention.

PUBLIC INFORMATION WRITER

Role:

The Public Information Writer is responsible for the preparation and release of public information to internal and external communities, elected officials, government agencies, and the news media during emergency incidents and accidents.

Responsibilities:

- Develop draft press releases, statements and other emergency communications (internal and external) for release to internal personnel, news media, government officials/agencies and the general public and submit to PIO for review/approval;
- Assist in the distribution of all approved news releases, statements and internal/external emergency communications;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- At the direction of the PIO, write draft news releases, statements and other communications intended for release to news media, general public, and internal and external communities;
- Locate and ensure that news release approval stamp is used in documenting communications approvals;
- At the direction of the PIO, provide approved information to the EIC and/or JIC on the incident/accident for dissemination;
- Ensure information from EIC/JIC personnel on media, internal/external queries and rumor control is shared with PIO and CM;
- Assist the PIO with publicizing termination of emergency event;
- At the conclusion of the emergency, hand in copy of checklist/log to the EOC manager; Assist the PIO with any after-action reports.

EOC OPERATIONS SECTION CHIEF

Role:

The Operations Section Chief is responsible for ensuring communications with incident command, managing overall impact of the event, on-site operations, provides needed information about facilities and processes, and monitoring personnel status and accountability.

Responsibilities:

- Maintain contact with Incident Command Post and other agencies involved in the incident;
- Ensure staffing of Police and Fire Rescue representatives in EOC;
- Request additional resources to support operations;
- Relay information and situation status from operations room to the CM;
- Implement Protective Actions as directed;
- Coordinate actions and information with the Planning Section;
- Oversee staging area operations and coordination;
- Assist with developing incident response objectives;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Request resources and support as indicated by the IC and/or CM;
- Keep CM informed of the status of operational efforts;
- Keep Planning Section up-to-date on resource tracking and situation status;
- Implement protective actions and evacuation routes recommendations with Planning Section and Consequence Assessment team;
- Ensure site fire protection and security is adequate during the event;
- Provide ongoing situation updates received from the incident scene.

EOC LOGISTICS SECTION CHIEF

Role:

The EOC Logistics Chief is responsible for ensuring logistical support requests are met for response support equipment, supplies and communications.

Responsibility:

- Coordinate all facilities, transportation, communications, supplies, equipment maintenance, fueling, food and medical services for incident personnel and all off-site resources;
- Identify anticipated and known incident service and support requirements;
- Activate Functional Work Centers (FWC);
- Ensure logistics staffing requirements are adequate in the EOC;
- Track all requests for resources including final dispensation;
- Activate the Finance FWC to assist and coordinate with resource request and procurement;
- Coordinate with EOC Fire or Police Rep for activation of offsite mutual aid response through NYS, Fire Communications, Med Communications or local towns;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Activate FWC's;
- Track and/or assign FWC's activities;
- Coordinate with Operations for resources requests;
- Coordinate with Planning for potential needs;
- Develop traffic management plan in coordination with Operations;
- Develop Communication Plan.

EOC PLANNING SECTION CHIEF

Role:

The Planning Section Chief is responsible for the collection, evaluation, and dissemination of all operational information concerning the incident.

Responsibilities:

- Collect, evaluate, and record information regarding the incident;
- Assist with developing the incident objectives and priorities;
- Develop solutions to meet incident objectives;
- Coordinate with other section chiefs on incident information;
- Prepare and document the Incident Action Plan (IAP) if required;
- Develop Protective Actions and Protective Action Recommendations;
- Maintain situational awareness and document situational status;
- Manage the Consequence Assessment Center activities;
- Manage the Situation Unit activities;
- Manage the Documentation Unit activities;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Coordinate and manage all branches of the planning section;
- Evaluate situational information;
- Ensure OE initial notification was transmitted with correct information;
- Ensure subsequent OE notification are transmitted when conditions warrant;
- Ensure current information is collected and situation report provide updates;
- Ensure the CAT Team evaluates hazardous conditions and establishes health, safety, and environmental controls;
- Review bases for emergency action levels, event categorization and classification, and advise Crisis Manager on any changes that should be implemented;
- Review bases for on-site protective actions and off-site protective action recommendations;
- Ensure Tone Alert Radio notifications are transmitted when requested;
- Ensure all incident timelines are captured and all documentation is collected;
- Prepare and maintain incident maps.

EOC BHSO PLANNER

Role:

The BHSO EOC Planner is responsible for coordinating the collection, evaluation, and dissemination of all operational information concerning the incident with the EOC Planning Chief.

Responsibilities:

- Collect, evaluate, and record information regarding the incident;
- Serve as the BHSO Emergency Manager when necessary;
- Serve as the EOC Planning Section Chief when necessary;
- Assist with developing the incident objectives and priorities;
- Review Protective Actions and Protective Action Recommendations;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Coordinate and manage all branches of the planning section;
- Evaluate situation information;
- Ensure OE initial notification was transmitted with correct information;
- Ensure the CAT Team evaluates hazardous conditions and establish health, safety, and environmental controls;
- Review bases for emergency action levels, event categorization, and classification and advise the Crisis Manager on any changes that should be implemented;
- Review bases for on-site protective actions and off-site protective action recommendations.

PLANNING SECTION - DOCUMENTATION UNIT

Role:

The Documentation Unit is responsible for documenting, obtaining, and tracking information during an incident.

Responsibilities:

- Capture and document major activities and events to include times;
- Maintain incident timeline and action of events;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Obtain and file forms and reports submitted by incident personnel;
- Obtain file copies of official forms and reports;
- Submit all documentation to OEM at the conclusion of the event;
- Maintain incident timeline and actions of events;
- Update the Situation Board with current information.

PLANNING SECTION - SITUATION UNIT

Role:

The Situation Unit is responsible for providing situational status and emergency notifications.

Responsibilities:

- Transmit Operational Emergency(OE) notification forms after activation of the EOC;
- Transmit Tone Alert Radio (TAR) messages upon activation of the EOC;
- Initiate communications with DOE HQ;
- Obtain information to provide situational awareness for OE notifications and TAR messages;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Ensure the initial OE notification form was transmitted and with the correct information;
- Initiate tracking of OE notifications forms;
- Prepare, obtain authorization and transmit subsequent OE notifications as instructed;
- Ensure communications are established with DOE HQ;
- Prepare, obtain authorization, and transmit subsequent Tone Alert Radio (TAR) notifications as instructed;
- Coordinate information with the Documentation Unit;
- Obtain information and updates from Planning, Logistics and Operations.

PLANNING SECTION - CONSEQUENCE ASSESSMENT TEAM

Role:

The Consequence Assessment Team is responsible for determining the health, safety, and environmental impacts of an event on site.

Responsibilities:

- Review and evaluate potential and actual health and safety impacts to site personnel, the public, and the environment;
- Develop Protective Action and Protective Action Recommendations;
- Review Emergency Action Levels for categorization and classification;
- Organize and manage field monitoring/sampling personnel;
- Maintain current weather conditions and forecast;
- Ensure all regulatory notification are conducted;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Determine protective actions and protective actions recommendations;
- Determine appropriate personnel protective equipment requirements for the incident;
- Perform continuous consequence modeling;
- Review protective action criteria;
- Activate field monitoring and sample resources as necessary;
- Provide protective action criteria for event classification and protective action/protective action recommendations;
- Coordinate with off-site modeling personnel (e.g., NARAC, State, DOE);
- Obtain current weather conditions and forecast.

LOGISTICS SECTION - FACILITIES AND OPERATIONS

Role:

The Facilities and Operations (F&O)Representative is responsible for coordinating all on-site F&O support, services, and equipment.

Responsibilities:

- Identify anticipated and known incident service and support requirements;
- Activate additional F&O support staff as necessary;
- Track all request for F&O related resources including final dispensation;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Identify and track available on-site resource and inform the Logistics Chief;
- Establish and maintain communications with complex managers, facility engineering and maintenance crafts personnel as necessary, and coordinate their support;
- Assign complex managers, facility engineering and maintenance crafts personnel as necessary to support the incident;
- Provide coordination with off-site utilities as necessary.

OPERATIONS SECTION - POLICE GROUP REPRESENTATIVE

Role:

The Police Representative in the EOC serves as the police point of contact between the ICP and off-site law enforcement coordination.

Responsibilities:

- Report to the Operations Section Chief;
- Maintain communication between the ICP , EOC, and the Police Group;
- Provide the Operations Section Chief situational and operational updates;
- Provide resources and support to the ICP and Police supervisor;
- Coordination of site security;
- Development of Tactical Plans for security related events;
- Responsible for:
    - Traffic control
    - Route alerting
    - Evacuations
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Establish communications with Police supervisor at the ICP or in the field;
- Obtains current status of police operations;
- Ensure security at event scene is adequate;
- Ensure site security is maintained;
- Develop site security plan for incident;
- Coordinate with local law enforcement;
- Provide support or resources for enforcement or security operations.

OPERATIONS SECTION - FIRE RESCUE REPRESENTATIVE

Role:

The Fire Rescue Representative in the EOC serves as the fire/medical point of contact between the ICP and off-site fire and medical coordination.

Responsibilities:

- Report to the Operations Section Chief;
- Maintain communication between the ICP and the EOC;
- Provide the Operations Section Chief situational and operational updates;
- Provide resources and support to ICP and Fire Rescue supervisor;
- Capture and record significant event information in the Unit Log (ICS-214).

Tasks:

- Establish communications with Fire Rescue supervisor at the ICP or in the field;
- Coordinate resources requests;
- Track all operational resources and maintain situational maps;
- Provide ICP with recommendations from Consequence Assessment;
- Obtains current status of fire and/or medical operations;
- Ensure fire protection and medical response on site is maintained;
- Provide coordination with Staging Area;
- Coordinate requests for support or resources for fire or medical operations.

SUPPORT OPERATIONS

EMERGENCY/JOINT INFORMATION CENTER

Role:

The Emergency/Joint Information Center is responsible for supporting the internal and external emergency information activities for BNL.

Responsibilities:

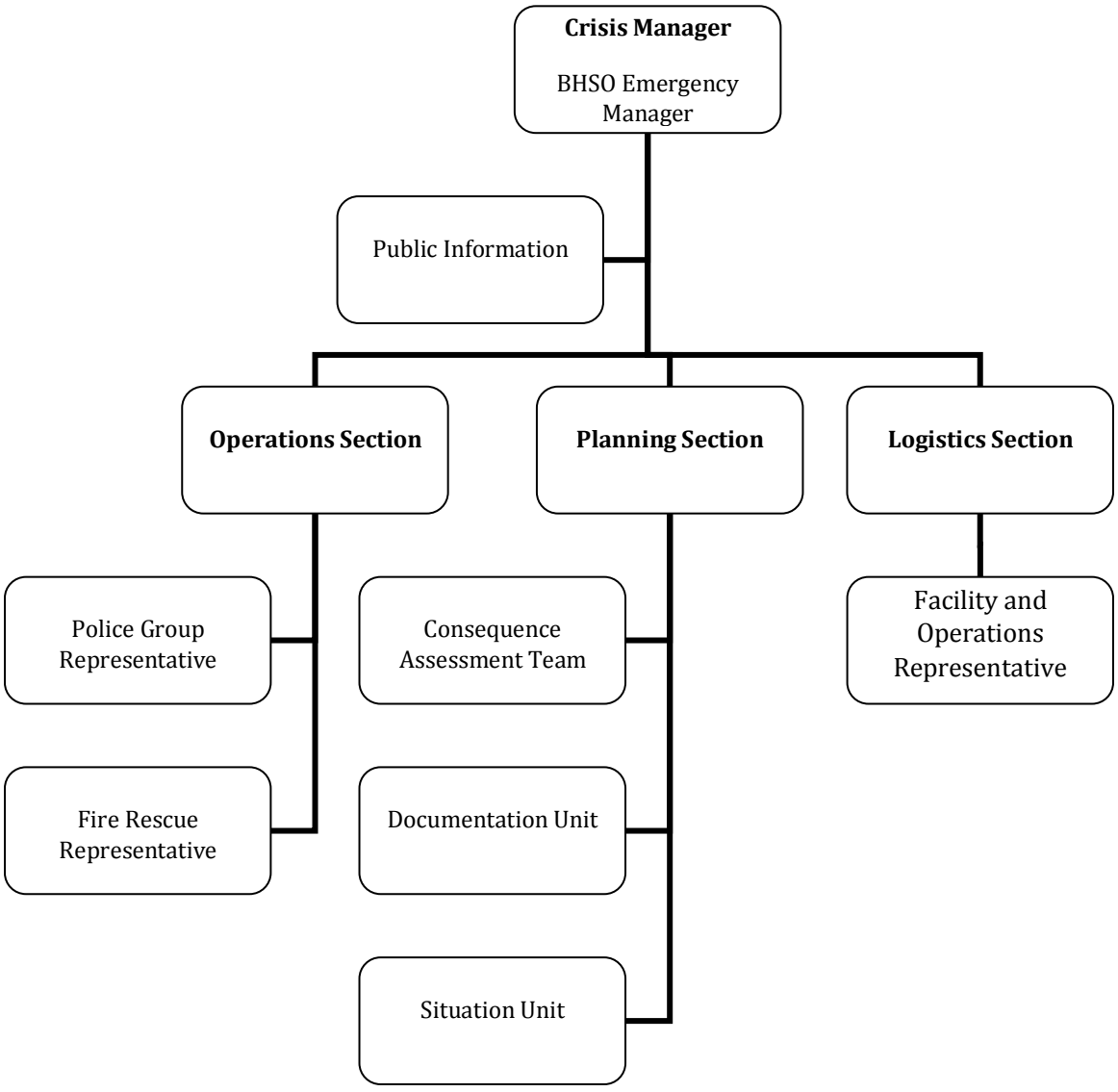
- Activation of emergency public information personnel;
- Preparation and dissemination of news releases and announcements;
- Communication with employees, news media, and the public;
- Control of rumors;
- Coordination of media briefings;
- Coordination of public information with off-site organizations;
- Coordination of information inquiries from elected officials.

Tasks:

- Activation of emergency information center;
- Establish communication with EOC PIO;
- Preparation, approval, distribution of news releases and other communications concerning emergency;
- Prepare for and conduct press briefings and media interviews;
- Identification, control and correction of rumors and misinformation;
- Response to telephone inquiries from elected officials, public, stakeholders, and news media;
- Employee information dissemination.

APPENDIX 1 - ORGANIZATION CHART

EMERGENCY OPERATIONS CENTER TEAM



APPENDIX 2 – UNIT LOG ICS-214 FORM

INCIDENT COMMAND SYSTEM (ICS) FORM 214

Purpose. The Unit Log records details of unit activity or individual activity. These logs provide the basic reference from which to extract information for inclusion in any after-action report.

1. Incident Name	**2. Operational Period (Date/Time)** From: To:	**UNIT LOG** **ICS 214**
3. Unit Name/Designators	**4. Unit Leader (Name and ICS Position)**	

5. Personnel Assigned

NAME	ICS POSITION	HOME BASE

6. Activity Log (Continue on Reverse)

TIME	MAJOR EVENTS

7. Prepared by: **Date/Time**

APPENDIX 3 - ACTIONS AND NOTIFICATIONS

Action	Time Frame	Responsible Party
OE Notification	Within 15 minutes of event recognition, identification, discovery	Incident Commander/Emergency Director
EOC Operational	Within 30 minutes during business hours	Crisis Manager
	Within 1 hour off-hour	
Initial press release	Within 1 hour of declaration of an OE	PIO and/or CEGPA
OE Notifications - Updates	Within 15 minute of change in conditions, PA and/or PAR	Situation Unit
Tone Alert radio	As directed	Before EOC operational - CAS
		After EOC operational – Situation Unit
Communications with DOE HQ	As soon as time permits	Before EOC operational - CAS
		After EOC operational – Situation Unit

APPENDIX 4 - ACRONYMS AND ABBREVIATIONS

Acronyms and Abbreviations	
ALD	Assistant Laboratory Director
BHSO	Brookhaven Site Office
CAS	Central Alarm Station
CAT	Consequence Assessment Team
CEGPA	Community, Education, Government, and Public Affairs
CM	Crisis Manager
CP	Command Post
DOE	Department of Energy
ED	Emergency Director
EIC	Emergency Information Center
EM	Emergency Manager
EOC	Emergency Operations Center
ERO	Emergency Response Organization
F&O	Facilities and Operations
FWC	Functional Work Center
HQ	Headquarters
IC	Incident Commander
ICP	Incident Command Post
ICS	Incident Command System
JIC	Joint Information Center
NIMS	National Incident Management System
OE	Operational Emergency
OEM	Office of Emergency Management
PA	Protective Actions
PAR	Protective Action Recommendations
PIO	Public Information Officer
TAR	Tone Alert Radio


EMERGENCY MANAGEMENT
BROOKHAVEN NATIONAL LABORATORY

ATTACHMENT 2

Qualifications of the OSRO Contractor

MILLER ENVIRONMENTAL GROUP INC.

January 9, 2012

Jason Remien
Brookhaven National Laboratory
Building 120
Upton, NY 11973

Re: 2011 OSRO PREP Documentation

Dear Mr. Remien

Miller Environmental Group, Inc. (MEG) is identified in your Facility/Vessel Response Plan(s) as your Oil Spill Removal Organization (OSRO). As such, we are required by the United States Coast Guard (USCG) and the United States Environmental Protection Agency (US EPA) to annually document our Equipment Deployment Exercises in compliance with the Preparedness for Response Exercise Program (PREP). Enclosed is MEG's **2011 PREP** documentation for your records. Additionally, MEG's equipment is inspected and maintained under a formal preventative maintenance program as required. Our personnel also receive annual classroom and practical training to maintain a constant state of Emergency Response preparedness in accordance with OSHA 29 CFR 1910.120. In 2012 MEG's Environmental and Emergency Response Services will be billed at the rates established in our current price schedule as enclosed, or at existing contract rates, whichever is applicable.

Facility Covered
Brookhaven National Laboratory Upton, NY

In addition to our Full Service Environmental Spill Response, Industrial Cleaning, and Remediation capability we at MEG can assess and implement all your PREP & HAZWOPER training needs including the documentation necessary to comply with EPA/USCG inspections. We also have a professional compliance division capable of managing your response/prevention plans such as (FSP, SPCC, FRP, State Spill Plans, etc.), regulatory inspections and regulatory submittals. MEG also designs, facilitates, and/or participates in Spill Management Team Table Top Exercises (SMTTX) for each of our OSRO customers. Please call or email to coordinate a representative to attend or to request a proposal to design and facilitate your annual SMTTX.

Thank you for your continued confidence and support of MEG's services to your organization. We look forward to servicing you with quality and professionalism in 2012.

Very truly yours,

George Wallace III

George Wallace III, CET, CHMM
VP/Chief Commercial Officer

Enclosure

MILLER ENVIRONMENTAL GROUP INC.

2011 OSRO PREP Equipment Deployment Documentation

Date	D/S/A	Client	Location	Vessel/Skimmer/ Recovery Type	QTY	BOOM TYPE	QTY
1/7/2011	S	Entergy	Buchanan, NY	MEG 1000 Skimmer	1	18"	500'
1/17/2011	A	NRC/Penn Maritime	Marcus Hook, PA	25' Workboat	1	18"	1500'
1/27/2011	A	Dynegy	Newburgh, NY	MEG 3000 Skimmer	1	18"	1,200'
1/31/2011	A	Owens Corning	Kearny, NJ	22' Utility Boat	1	18"	1200'
2/1/2011	A	GenOn Bowline	West Haverstraw, NY	MEG 5000 Skimmer	1	18"	1,800'
2/15/2011	A	Owens Corning	Kearny, NJ	22' Utility Boat	1	18"	1200'
3/9/2011	D	USCG	Maurice River, NJ	34' Workboat MEG 3000 Skimmer	5 1	18"	6000'
3/12/2011	A	National Grid	Northport, NY	Joel Miller	1	18"	1000
3/15/2011	A	Owens Corning	Kearny, NJ	22' Workboat	1	18"	1200'
3/15/2011	S	DNREC	Slaughter Beach, DE	25' Workboat	1	18"	1000'
3/17/2011	A	National Grid	Northport, NY	Erin Miller	1	18"	1000
5/27/2011	S	NRG Astoria	Astoria, NY	33' Workboat	1	18"	100'
5/30/2011	S	USCG	Freeport, NY	N/A	1	18"	100'
6/20/2011	A	Owens Corning	Kearny, NJ	22' Workboat	1	18"	1200'
6/28/2011	S	USCG	Patchogue, NY	14' Tin Boat	1	18"	100'
7/15/2011	S	USCG	Hampton Bays, NY	14' Tin Boat	1	18"	200'
7/26/2011	D	BP	Curtis Bay, MD	27' Workboat	1	18"	1000'
8/10/2011	A	Vane Brothers	Marcus Hook, PA	25' Workboat	1	18"	1500'
8/15/2011	D	DBRC	Woodbury Creek, NJ	19' Workboat	4	18"	1500'
8/29/2011	S	GenOn Bowline	West Haverstraw, NY	MEG 1000 Skimmer	2	18"	400'
9/23/2011	A	Meredith Management	Lake Champlain	MEG 1000 Skimmer	1	18"	1,100'
9/27/2011	A	Owens Corning	Kearny, NJ	22' Workboat	1	18"	1200'
10/5/2011	A	Thalle Construction	Ashokan Reservoir			18"	500'
10/27/2011	S	S. Coraluzzo/Chartis	Conowingo Dam, PA	19" Workboat MEG 1000 Skimmer	1 1	18"	800'
11/1/2011	S	NRG Astoria	Astoria, NY	33' Workboat	1	18"	100'
11/22/2011	A	Seaboats, Inc.	Baltimore, MD	27" Workboat MEG 1000 Skimmer	1 1	18"	1000'

Miller Environmental Group, Inc.
538 Edwards Ave., Calverton, NY 11933
(800) 394-8606 (631) 369-4900
www.millerenv.com

Buyer	Amount	Contract Number
Carol Pulley	**20,000**	**188994**

BROOKHAVEN NATIONAL LABORATORY

BROOKHAVEN SCIENCE ASSOCIATES, LLC
P. O. Box 5000
UPTON, L.I., N.Y. 11973-5000

Miller Environmental Group
538 Edwards Avenue
Calverton, NY 11933

CONTRACT

This is a Contract (the "Contract") between the party above named (the "Contractor"), and Brookhaven Science Associates, LLC ("Brookhaven"), the latter acting under Prime Contract No. DE-AC02-98CH10886 with the United States of America (the "Government") represented by the United States Department of Energy ("DOE"):

I. **Scope of Work:** The Contractor shall provide all necessary labor, materials, tools, and equipment and services as the designated Oil Spill Removal Organization, pursuant to the requirements of Brookhaven Facility Response Plan and Oil Pollution Act of 1990 on the grounds of Brookhaven National Laboratory. This contract is in accordance with U. S. Department of Labor and Wage Determination No. 1996-0223 Rev. 28 dated 11/24/2010 and Specifications – Emergency Oil Spill Response dated Feb. 7, 2011. The Contractor shall submit a Contractor Plan in accordance to BNL Specifications, and ORSO Classification and certification. Specifically, the Contractor shall provide the following services:

- ✓ Respond with equipment and manpower 24 hours per day, 365 days per year as required by BSA QI or his/her designee.
- ✓ Contractor shall supply all tools, equipment, materials, labor and supervision and other related items to respond, dispose or store on site at BSA material released into the environment.
- ✓ Remove any spilled product to satisfaction of the BSA-QI, and all regulatory agencies (USEPA, NYS DEC, SCDHS).
- ✓ Contractor shall work in accordance with all BSA, Local, State and Federal environmental regulations and statutes.
- ✓ Contractor shall supply all labor, trained in accordance with OSHA, BSA and all other applicable safety regulations.
- ✓ Contractor shall document all site activities related to the sampling, containment, clean-up and storage or transportation of released materials. Contractor shall prepare and maintain daily job reports and logs pertaining to all activities performed on behalf of BSA.

Service Description The services required are varied and will be appropriate to the extend of the spill, quantity of product spilled, nature of the product spilled and the proximity of the spill to the navigable waters of the United States of America. The services required are, but not limited to the following:

- ✓ Labor: Provide appropriate labor, properly trained to remove spilled product, remediate the area and dispose of the residual material.
- ✓ Land Based equipment: Including but not limited to vacuum trucks and trailers, storage tanks, frac-tanks, Guzzlers, dump trucks, excavators, roll off containers and pressure washers.
- ✓ Remediation Equipment: Including but not limited to drill rigs, geoprobes, sampling pumps and sampling van.
- ✓ Support equipment: Including but not limited to air compressors, fork lifts, generators, wood chippers and portable lifts.
- ✓ Personal Protective Equipment: Including but not limited to self contained breathing equipment, protective clothing and coveralls and respirators.
- ✓ Communication Equipment: Including but not limited to video cameras, digital cameras, radios and global positioning equipment.
- ✓ Sampling and Testing Equipment: Including but not limited to air monitoring equipment, Oxygen monitoring equipment, PCB and Halogen test kits, and gas chromatographs.
- ✓ Decontamination Equipment: Including but not limited to decontamination showers, eye wash stations, HEPA vacuums and decontamination tents.
- ✓ Pumping Equipment: Including but not limited to hydraulic pumps, hoses, screens strainers and skimmers.
- ✓ Marine Based Equipment: As required.
- ✓ Absorbents and additional Materials: Including but not limited to plywood, fencing, pads, sweeps, booms and absorbent particles.

A. Reports/Deliverables: The Contractor shall provide the following deliverables:

1. Reports, logs, daily time sheets
2. All sampling results and disposal records.
3. Contractor shall supply a Safety Plan as described below, including any and all elements that may be reasonably required under this contract. The plan must be approved by BSA.

B. BSA shall perform support services for this project as follows:

1. Secure all equipment pumps, valves and tanks.
2. Provide Lock Out-Tag Out as required.
3. De-energize and reenergize the equipment.
4. Assist and or direct in the placing and or storage of contractor's equipment or materials.

C. **Safety Plan** - The Contractor is solely responsible for construction safety for the duration of this contract. Contractor shall prepare and submit a Safety Plan before commencement of any work. This plan will be reviewed and be approved by the Plant Engineering and the Safety and Health Divisions and shall include but not limited to the following:

- ✓ Specific assignment of an individual, employed by the Contractor and named in the Plan, who shall be responsible for job site safety.
- ✓ A letter of certificate, indicating that the contractor is aware of, has reviewed, and will comply with the safety regulations of both OSHA Standards (29 CFR 1926/1910) and the BSA Safety Manual (available for references at Facilities and Operations).
- ✓ A copy of the company record of past injury, accident, fire and property damage

experience, including motor vehicle, for the past two years. In lieu of this data, the contractor may submit the previous two years industrial insurance experience modifiers or rates.

- ✓ A description of the Contractor's safety program indicating:
  - Provision for first aid.
  - A program for training employees in the recognition and avoidance of unsafe conditions and in the safety regulations applicable to this project.
  - A program certifying the safe operating conditions and assuring the proper maintenance of permanent and or temporary light, power and electrical equipment, including protective devices (GFCI) for portable electric tools.
  - A program to provide for the frequency and regular inspection and reporting of job site conditions relating to safety.
  - A program certifying the safe operating conditions and assuring the proper maintenance of equipment, cranes, vehicles, lifts, hoists and other such equipment.
  - Provisions for meetings, established contacts or other means, for the mutual exchange of information with Contractor and sub contractor on:
    - Changes in scope of work
    - Recognized hazards
    - Identified phases of work
    - Potential problem areas
    - Coordination of crafts
- ✓ A program for training employees about the hazardous chemicals to which they are exposed.

II. **Period of Performance:** This Contract shall be effective on the date executed by Brookhaven provided that the Contractor executes the Contract without exception or alteration. The Contract shall remain in effect until April 18, 2012.

III. **Ceiling Amount, Compensation, Limitation of Costs and Payment:**

A. **Ceiling Amount:** The ceiling amount of this Contract is Twenty Thousand dollars ($20,000). The Contractor shall not be reimbursed in excess of this amount without written authorization from Brookhaven's Procurement and Property Management Division.

B. **Compensation:**

B.1. **Labor:** The Contractor shall be compensated at the fully burdened rates as follows:

Personnel	Hourly Rate
Technicians	See Wage Determination No. 1996-0223

B.2. **Travel Expenses:** The Contractor shall be reimbursed for travel and per diem including lodging, meals and incidental expenses authorized by Brookhaven's technical representative in accordance with Federal Travel Regulations. Reimbursement rates under this policy include (a) airfare at actual expense equal to coach class, (b) per diem, which includes lodging, meals and incidental expenses, (c) mid-sized rental vehicles at actual cost, and (d) use of private automobile at $.50 per mile plus tolls. All travel requires pre-approval by Brookhaven's technical representative.

B.3 **Miscellaneous Expenses**: The Contractor shall be reimbursed for various miscellaneous expenses including fuel surcharge.

D. **Payment**: Brookhaven will pay the Contractor monthly upon receipt and approval of properly certified invoices that sets forth the total number of hours worked, by labor category, during the previous month and all travel expenses, if applicable. ***To support this invoice, the Contractor shall submit all receipts for travel expenses incurrred. No payment will be made without these documents.*** Payment terms are Net 30.

Address all submissions to: BSA, William L. Chaloupka, Assistant Manager, Operations and Equipment, Building 452, Upton, N.Y. 11973. Mark all submissions: Contract No. 188997, EMERGENCY OIL SPILL RESPONSE.

Invoices, in duplicate, shall be directed to Brookhaven's Accounts Payable Section, Contracts Division, Bldg. No. 400d. In addition, the Contractor shall indicate the final invoice by clearly marking such invoice as "FINAL". A copy of the final invoice must be submitted to Brookhaven's Contractual Representative.

IV. **Authorized Representatives:**

A. **Brookhaven's Technical Representative:** William Chaloupka of the Energy & Utilities Division, located in Building 452 is Brookhaven's Technical Representative, hereunder. He shall act as liaison between Brookhaven and the Contractor in technical matters only. He can be reached at 631 344-7136 phone), Cell Phone 631 514-1282 Chaloupka@bnl.gov (e-mail). In the event of a major petroleum spill at BSA, the qualified individual or his/her designated representative are authorized to request the services of the OSRO. Mike Bebon (Qualified Individual), Work Phone 631 344-3434, Cell Phone, 631 453-4507, L. Bates (ALD – F&O), Work Phone 631 344-7600, Cell Phone 865-414-2118. Mr. E. Simon (Facility Project Manger, Work Phone 631 344-5337, Cell Phone 631 655-9788, Mr. E. Murphy (Energy and Utilities Manager) Work Phone 631 344-3466,. Cell Phone 631 872-8968.
Mr. George Goods, Work Phone 631 344-4549, Cell Phone 631 872-8804, and Mr. Leonard Butera, Work Phone 631 344-4691, Cell Phone 631 453-5866.

B. **Brookhaven's Contractual Representative:** Carol Pulley, located in Building 355, telephone no. 631 344-2244, pulley@bnl.gov (e-mail), is Brookhaven's Contractual Representative. Any change or modification in the terms and conditions of this contract shall require the written approval of Brookhaven's Procurement and Property Management Division's Manager, or his designee.

C. **Contractor's Representative:** George Wallace is the Contractor's authorized Representative, hereunder. He shall act as point of contact between Brookhaven and the Contractor in all matters. He can be reached at 631 369-4900.

V. **Contract Close-Out Requirements:** In accordance with this Contract, and in order to comply fully with all applicable cost articles as contained in Attachment A, the Contractor shall complete and submit the following: Contractor's Release.

Note: The Equipment Acquired Report Form - Accountability and Disposition submittal is required to be submitted to Brookhaven within thirty (30) days of the expiration date of this Contract.

VI. **Additional Terms:**

The provisions of Brookhaven Science Associates, LLC General Terms and Conditions for Non-Commercial Services, Rev. 7 (Oct. 2010) are incorporated herein and made a part hereof.

The provisions of Brookhaven Science Associates, LLC Supplemental Terms and Conditions for Work by Contractors on Site at Brookhaven National Laboratory (Apr. 2010) are incorporated herein a made a part hereof.

This Contract is issued pursuant to Brookhaven Science Associates General and/or Supplemental terms and conditions listed above which are incorporated herein by reference. The complete text of these terms and conditions can be viewed via the internet at: http://www.bnl.gov/ppm/T-Cs/t-c.asp. Should the Contractor have any questions and/or not have access to these terms and conditions, contact the buyer or contracts specialist immediately.

This Contract does not bind nor purport to bind the Government of the United States.

ACCEPTED:

MILLER ENVIRONMENTGAL GROUP
By: JAMES H DAVEY
Title: SR V.P.
Date: 4-20-11

BROOKHAVEN SCIENCE ASSOCIATES, LLC.
By: Carol Reiley
Title: Contract Specialist I
Date: April 18, 2011

Two copies of this Contract, executed by Brookhaven have been provided. Should you accept this Contract without exception or alteration, one copy of the Contract executed by both parties shall be returned to Brookhaven's Contractual Representative. Should you take **any** exceptions or attempt to alter the Contract in **any** manner, Brookhaven's execution thereof shall be null and void. Should you wish to take exception(s)/alteration(s), you shall notify Brookhaven's Contractual Representative. Brookhaven will consider the requested exception(s)/alteration(s) and notify you accordingly. No Contract shall exist unless and until such differences are resolved.

U.S. Department of Homeland Security

United States Coast Guard

Commander
National Strike Force Coordination Ctr.

1461 North Road Street
Elizabeth City, NC 27909
Staff Symbol:
Phone: 252-331-6000
FAX: 252-331-6012

16465

Miller Environmental Group
Attn: Jim Davey
538 Edwards Ave
Calverton, NY 11933

APR 3 2007

Dear Mr. Davey,

During the Coast Guard's transition to Sector organizations you have gained classifications in Sector Southern New England's COTP zone. You have received the following classifications listed in enclosure (1).

Our files have been updated to reflect your current status; please inform your clients of the same. Your classifications will also be listed on the OSRO Classification Matrix available on the Internet at:

http://www.uscg.mil/hq/nsfweb/nsfcc/ops/ResponseSupport/RRAB/OSRODoc/OSRO%20Listing%20By%20COTP%20Zone.pdf

The Coast Guard is transitioning to a Sector organization which consolidates field operational and marine safety functions; enclosure (2) is a consolidated table that explains the changes affected by this transition.

Thank you for your participation in the OSRO program; your efforts to strengthen our national response capabilities are greatly appreciated.

Sincerely,

R.T. GORE
Chief, Response Support Division
U.S. Coast Guard
By direction

2 Enclosures

Copy: Commandant, U. S. Coast Guard (G-3RPP-2) w/o enclosure (2)
Commandant, U. S. Coast Guard (G-3PCV-2) w/o enclosure (2)
Commander, First Coast Guard District (dr) w/o enclosure (2)
Commander, Coast Guard Sector Southern New England
EPA Region 1 w/o enclosure (2)
Pipeline and Hazardous Materials Safety Administration (PHMSA)

MILLER ENVIRONMENTAL GROUP INC.

Individual OSRO Classification Report

0020 Miller Environmental Group

		Facilities				Vessels			
		MM	W1	W2	W3	MM	W1	W2	W3
COTP: BALTIMORE	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☐ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐
COTP: BOSTON	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☑ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐
COTP: BUFFALO	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☐ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☑	☑	☑	☑	☑	☑	☑
COTP: BUFFALO(OSWEGO, NY)	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☐ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☑	☑	☑	☑	☑	☑	☑
COTP: DELAWARE BAY(Formerly PHILADELPHIA)	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☑ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐
COTP: LONG ISLAND SOUND	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☐ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐
COTP: NEW YORK	River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
☑ High Volume Port	Inland	☑	☑	☑	☑	☑	☑	☑	☑
Alternate City:	Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
	Offshore	☐	☐	☐	☐	☐	☐	☐	☐
	Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
	Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐

ENCL (1)

MILLER ENVIRONMENTAL GROUP INC.

Individual OSRO Classification Report

COTP: SOUTHERN NEW ENGLAND(Formerly PROVIDENCE)

☐ *High Volume Port*

Alternate City:

	Facilities				Vessels			
	MM	*W1*	*W2*	*W3*	*MM*	*W1*	*W2*	*W3*
River/Canal	☑	☑	☑	☑	☑	☑	☑	☑
Inland	☑	☑	☑	☑	☑	☑	☑	☑
Open Ocean	☐	☐	☐	☐	☐	☐	☐	☐
Offshore	☐	☐	☐	☐	☐	☐	☐	☐
Nearshore	☐	☐	☐	☐	☐	☐	☐	☐
Great Lakes	☐	☐	☐	☐	☐	☐	☐	☐

Check marks indicate that your company has received classifications in the following areas. Please refer to the OSRO Guidelines for a complete discussion of the 4 classification levels that require different minimum amounts for each Environmental operating area.

MMPD(MM) = Maximum Most Probable Discharge
WCD1(W1) = Worse Case Discharge Tier 1
WCD2(W2) = Worse Case Discharge Tier 2
WCD3(W3) = Worse Case Discharge Tier 3

If an asterisk(*) is displayed after a COTP name, it denotes cities that formerly had COTP authority, but loss that authority and are being considered for designation as an Alternate Classification City(ACC).

MILLER ENVIRONMENTAL GROUP INC.

EQUIPMENT CATALOGUE

Miller Environmental Group
(800) 394-8606 www.millerenv.com

TABLE OF CONTENTS

1.0 Capabilities Overview

EMERGENCY RESPONSE SERVICES

Miller Environmental Group's (MEG's) Emergency Response Service offers a rapid and effective response to spills of Oil and Hazardous Materials. For over 35 years, MEG has assured its clients receive a comprehensive response to each emergency situation. Our clients include petroleum companies, chemical manufacturers and processors, utilities, aviation-related companies, rail industry, regulatory agencies, and various Fortune 500 companies.

Our land based and marine based Emergency Response equipment and trained personnel are available twenty-four hours a day, seven days a week. MEG has the necessary HAZMAT/HAZWOPER trained employees and specialized cleaning and transportation equipment to efficiently get the job done. MEG's workforce consists of environmental managers, compliance experts, and emergency responders and is complimented by our Remediation Division consisting of environmental engineers, geologists, hydro geologists, equipment operators, and environmental scientists. Our complete line of Emergency Response service includes:

EMERGENCY RESPONSE SERVICES

- Marine Oil Spill Response
- Land Based Oil Spill Response
- Tanker Truck Rollover Response & Transfer
- PCB Spill Response
- Hazardous Waste Spill Response
- High-Rail Guzzler Service
- Railcar Product Transfers
- Bulk Transport (Liquid & Solid)
- Aviation Emergency Response
- Medical Facility Emergency Response

HAZARDOUS MATERIAL EMERGENCY RESPONSE SERVICES
HAMER TEAM - (pronounced "Hammer")

Miller Environmental Group's (MEG's) Hazardous Materials Emergency Response Team personnel are experts in assisting our customers in Identifying, Evaluating, and Controlling HAZMAT Situations. MEG has the ability to decontaminate personnel, equipment and facilities where Hazardous Materials have been released. Our mobile HAMER Equipment and Trained Responders can handle a wide spectrum of jobs, ranging from a Level A Response for an Unknown Substance to a known Hazardous Materials release requiring Level C Personal Protective Equipment. This HAMER Equipment is state of the art and dedicated for Emergency Response. MEG also maintains a modern fleet of Vacuum, Guzzler, and Tanker Trucks, high capacity centrifugal and diaphragm pumps, hydraulic submersible pumps, hoses, and a variety of ancillary equipment to move virtually any pumpable material from one point to another. Specialized pumps for transferring chemicals and high viscosity fluids are also available.

Our Emergency Response equipment and trained personnel are available twenty-four hours a day, seven days a week. MEG has over 100 HAZMAT/HAZWOPER trained employees and over 150 pieces of specialized cleaning, decontamination, and transportation equipment between 5 Operation Centers. MEG's workforce consists of environmental managers, compliance experts, and emergency responders with the HAMER Experience to meet the challenges of the 21st Century. Our complete line of Emergency Response service includes:

HAZARDOUS MATERIAL EMERGENCY RESPONSE SERVICES

- Hazard Evaluation and Characterization
- Remediation/Decontamination of Affected Areas
- Decontamination of Contaminated Materials, Surfaces and Personnel
- Disposal of Contaminated Waste
- Sampling for Final Laboratory Analysis



DECONTAMINATION SERVICES

Miller Environmental Group's (MEG's) Hazardous Materials Emergency Response (HAMER) Team personnel are proficient in assessing the needs of an incident through Identifying, Evaluating, and Controlling the situation. MEG has the ability to decontaminate personnel, equipment and facilities where Hazardous Materials have been released. Our mobile HAMER Equipment and Trained Responders can handle a wide spectrum of projects, ranging from a Level A Response for an Unknown Substance to a known Hazardous Materials release requiring Level C Personal Protective Equipment. This HAMER Equipment is state of the art and dedicated for Emergency Response. MEG maintains a specific HAZMAT Response & Decontamination capability in each of our areas of operation. MEG has project experience responding to threats of Anthrax, Botulism, Bloodborne Pathogens, and Pesticides.

Our Emergency Response equipment and trained personnel are available twenty-four hours a day, seven days a week. MEG has HAZMAT/HAZWOPER trained employees that operate the specialized cleaning, decontamination, and transportation equipment distributed between our Northeastern US Operation Centers. MEG's workforce consists of environmental managers, compliance experts, and emergency responders with the HAMER Experience to meet the challenges of the 21st Century.

Miller Environmental Group offers the following Decontamination Services:

DECONTAMINATION SERVICES

- Personnel Decontamination
- Facility Decontamination
- Sampling and Laboratory Analysis
- HAZMAT Decontamination
- Military Equipment Decontamination
- Disposal of Regulated and Non Regulated Waste


SITE INVESTIGATION AND REMEDIATION

Miller Environmental Group's Remediation Division is experienced in assisting our clients in complying with a wide range of federal, state and local regulations including RCRA, CERCLA, ECRA, SARA, and OPA 90. This includes the handling, storage, and disposal of hazardous and other waste materials as well as the protection of groundwater quality. Many of these projects require the assessment of groundwater contamination and development of methodologies for containment and cleanup of contaminated soil and groundwater. MEG continues to pursue innovative technologies such as Advanced Oxidation Processes (AOP), Butane/Propane Injection, Hollow Fiber Membranes, Liquid Phase Biological Treatment Systems, etc.

Our innovative techniques and expanding expertise has enabled MEG to serve the diverse needs of our clients as well as to implement the newest technologies in all areas of environmental response and remediation. This Division prides itself on designing the most cost effective recovery systems available. Our Remediation Division is currently engaged in various stages of the remediation process at approximately 100 private sector and 135 public sector sites throughout the Miller Environmental Group area of operations. Our Remediation Services include the following:

SITE INVESTIGATION AND REMEDIATION

- Site Investigation and Characterization
- Containment Recovery
- Treatment Systems for Aquifers and Soils
- Environmental Restoration
- Observation & Recovery Well Installations
- Dewatering Pump Installations and Repairs
- Monitoring of Wells and Recovery Systems
- Geoprobe Investigations
- Air Stripping Towers
- Soil Venting Systems
- Field Sampling
- Soil Excavation
- MGP Site Remediation
- Tank Water Treatment

AIR QUALITY MANAGEMENT & REMEDIATION SERVICES

Miller Environmental Group's Remediation Division is experienced in assisting our clients with a wide range of Air Quality Issues. Molds and Fungi, in particular, pose a significant threat if not remediated appropriately.

Water infiltration and the presence of moisture is directly linked to the development of Molds and Fungi. An immediate response to water infiltration - within 24 to 48 hours - and a thorough clean up, drying, and/or removal of water-damaged materials is essential to prevent or limit mold and fungi growth. If the source of water is due to elevated humidity, relative humidity should be maintained at levels below 60% to inhibit mold and fungi growth. Emphasis should be placed on ensuring the proper repairs to the building infrastructure, so that water damage and moisture buildup do not recur.

Moisture problems in buildings can be caused by a variety of conditions, including condensation, excess humidity, roof, foundation, and plumbing leaks. Some moisture problems have been linked to changes in building construction practices during the past twenty to thirty years. These current practices have resulted in more tightly sealed buildings that may not allow moisture to escape easily. Miller Environmental Group has the trained personnel and resources to mitigate damage caused by Molds and Fungi in Indoor Environments. A thorough Site Specific Mold Remedial Action Plan is followed to ensure a proper cleanup in accordance with accepted Department of Health requirements for Indoor Air Quality. Our Remediation Services include the following:

AIR QUALITY MANAGEMENT & REMEDIATION SERVICES

- Site Inspection, Sampling, and Laboratory Analysis
- Identification and Mitigation of Water Source
- Remediation of Contaminated Materials and Surfaces
- Disposal of Contaminated Debris
- Confirmatory Sampling and Final Laboratory Analysis

INDUSTRIAL SERVICES

Miller Environmental Group's (MEG's) Industrial Services personnel are experts in assisting our customers in decontaminating equipment and facilities of regulated and non-regulated materials on a quick turnaround. Our mobile equipment and trained personnel can handle any job, ranging from a Boiler Cleaning to a Corrosive Tank and Sump Cleaning to a Pipeline Cleaning, Decontamination, and Video Inspection.

Water Blasting 10K to 40K
MEG offers expertise in both conventional and technologically advanced hydro blasting (high pressure washing) applications. Our systems use various pressures and flow rates to cost-effectively clean surfaces, process equipment, heat exchangers and other industrial vessels. MEG utilizes high pressure water blasters 10k P.S.I to 40K P.S.I. and up to 500hp. We have the capability of performing offline and online hydro-blasting. Using the most advanced equipment, technologies and best trained work force in the industry we will finish the toughest job, safely and productively. We can apply hydro blasting to virtually every process configuration to efficiently remove built-up materials. In fact, hydro blasting is the most common industrial cleaning application. MEG's experienced team matches the right equipment for the right applications, specialty systems, and personnel. We can even develop specialty tooling for applications where access is difficult minimizing operator exposure. Ask about our automated nozzle systems for boilers, tanks and pipelines. These systems virtually remove the need to place workers in challenging safety environments. Please contact us to discuss your upcoming projects or to get more information.

Tank Cleaning
MEG provides both the equipment and the technical and supervisory personnel needed for a variety of tank cleaning operations. MEG has experience with both marine and land-based tanks containing petroleum and other regulated materials. MEG has cleaned tank barges, highway tankers, rail tank cars, above ground and underground storage tanks, separator tanks, waste oil tanks, and process tanks. We are especially skilled at identifying the cleaning method best suited for the job. Cleaning options include hydro blasting, chipping, solids and sludge removal, chemical extraction, heating and re-circulation.

INDUSTRIAL SERVICES

- Tank Cleaning and Transfer Pumping
- Oil/Water Separator Cleaning
- Industrial Vacuum Service
- Fly Ash Removal
- PCB Decontamination and Disposal
- Tank Removal and Abandonment
- Water Blasting 10K to 40K psi
- Pipeline Cleaning and Video Inspection

TANK & PIPELINE CLOSURE AND ABANDONMENT SERVICES

Miller Environmental Group, Inc. (MEG) has developed an environmentally friendly, legally compliant and passive alternative to traditional means of tank removal and closure. MEG is working with commercial and residential clients, local fuel oil companies, Natural Gas Companies, and Insurance companies to reduce the risk of underground fuel oil storage tank leakage and in the case of Natural Gas Pipelines meeting the EPA MEGARULE standard for abandonment of Natural Gas Pipelines. MEG is effectively closing underground fuel oil storage tanks and Natural Gas Pipelines via our Foam Abandonment Service Team (FAST) program.

Our procedure for tank abandonment is as follows: Removal of any remaining fuel in the buried tank, high pressure wash the tank interior with a spinning nozzle, evacuate the oil water mixture and then utilizing the latest technology, pump a two-part urethane expansion foam into the tank. After a few moments, the foam will completely fill the tank and harden in place. The foam filled tank is left in place, and a Certificate of Abandonment will be issued to you. The procedure for Natural Gas Pipeline abandonment is slightly different and will be presented when a proposal is requested. This foaming in place (FIP) procedure causes the least disruption to the landscape and surrounding property while ensuring full compliance with environmental regulations.

TANK & PIPELINE CLOSURE AND ABANDONMENT SERVICES

- Tank Closure via Foaming

- Pipeline Abandonment via Foaming
- Tank Removal and Abandonment
- Remediation of Contaminated Soils
- Liquids Removal via Vacuum Truck

MARINE SERVICES

Miller Environmental Group's Marine capability includes the provision of services for national and international shipping lines, tug and barge operators, and various geophysical and hydrographic survey companies. They also include locally based businesses both large and small, inclusive of underwater diving contractors and construction companies.

Our marine equipment and trained personnel are available twenty-four hours a day, seven days a week. Our captains are all USCG licensed masters and/or mates. Our vessels are USCG inspected and certified. All deckhands are trained and versed in the different types of operation we perform throughout the year. Personnel are 40 hour HAZWOPER trained and certified in oil spill response operations, including boom deployment and skimming operations.

At Miller Environmental Group, we provide a versatile, quality service with experienced, trained personnel. We have a well-maintained workboat fleet with resources ranging from a 21' center console outboard up to a 220' anchor-handling vessel.

MARINE SERVICES

- AMPD Standby Booming Services
- Research and Survey Support Vessels
- Underwater Cable and Pipe Support Vessels
- Construction Support Vessels
- Dive Support Vessels
- Potable Water Transport and Discharge Capabilities
- Linehandling
- Dredge Tenders
- Salvage and Towing Services
- Launch Services
- Ships Spares and Stores Delivery
- Certified NAUI Divers

ENVIRONMENTAL TRAINING AND COMPLIANCE SERVICES

The Miller Environmental Group Training Institute combines certified training professionals, with years of teaching experience and seasoned “hands-on” instructors bringing practical, real world approaches to training. A balance of classroom work and field exercises provides a full learning experience for the student. The MEG Training Institute utilizes performance based training methods, whereby the skills taught are derived from expected job (task) performance.

The MEG Training Institute operates in accordance with OSHA’s non-mandatory guidelines for training. Regulations, procedures, standards, accepted practices and basic fundamentals are presented clearly and accurately. Our syllabus is reviewed and updated regularly, to comply with Federal, State and Local regulations.

The MEG Training Institute is a 27,000 square foot educational facility fully equipped with state-of-the-art training equipment including; SVGA projectors & laptop computers for clear and concise presentation of training material, 27” Television and VCR combination. The training facility is also equipped with an SCBA Maze and a Real Life Confined Space for a truly hands on training experience.

The MEG Training Institute Staff looks forward to meeting your training needs. The following are some of the programs offered:

TRAINING & COMPLIANCE SERVICES

- OSHA HAZWOPER Training
- HAZCOM Training
- Confined Space Entry and Rescue Training
- DOT Hazardous Materials Employee Training
- OSHA General Safety Courses
- RCRA Hazardous Waste Training
- Incident Command System Training
- Boat Handling and Boom Deployment Training
- Qualified Individual Training
- Contingency Plan Development and Revision

Equipment and Materials

LONG ISLAND OPERATIONS CENTER --COMPANY HEADQUARTERS

- (3) Project Managers
- (3) Supervisors
- (15) Hazmat Technicians
- (50) Temp Labor Workers
- (6) 5,460- Gallon Vacuum Trucks
- (2) 2,000- Gallon Vacuum Trucks
- (2) Vacuum Units
- (3) Skimming Systems
- (7) Pumping Systems & Hose
- (1) Storage Bladder
- (3) Guzzler Air Vacuum Trucks
- (2) Roll-Off Trucks
- (20) Roll-Off Containers 20-yard
- (2) Sets of Confined Space Entry Equipment
- (6) Response Trucks – Fully Loaded
- (12) High-Pressure, Hot-Water Washing Units
- (3) 24' Workboats
- (14) 12' – 18' Aluminum Outboard Workboats
- (2) LCM 34' & 74'
- 20,000 feet Containment Boom
- (6) Sets of Level A & B PPE
- (2) Mobile Decontamination Trailers
- (1) Complete Set of Air Monitoring Equipment
- (1) Magnetic Patch Kit
- (8) All Terrain Vehicles
- (1) Boom Truck
- (2) Frac Tanks –20,000 gal/each
- (8) Oil Skimmers
- (4) Light towers with generators
- (2) 20-yard Vacuum Boxes
- (20) 3,500 psi Pressure Washers
- (15) HEPA Vacs – portable
- (6) Portable Generators 5Kv-20Kv
- (1) D/D Chemical diaphragm pump - 2"
- (2) Backhoes
- (1) 50 ton Lowboy
- (3) Mercury Spill Kits
- (1) Mercury Vacuum

NEW YORK METRO OPERATIONS CENTER

- (2) Project Managers
- (2) Supervisors
- (10) Hazmat Technicians
- (20) Temp Labor Workers
- (2) 5,460- Gallon Vacuum Trucks
- (1) 2,000- Gallon Vacuum Trucks
- (2) Guzzler Air Vacuum Trucks
- (1) Roll-Off Truck
- (4) 20-yard Roll-Off Containers
- (1) 20,000-Gallon Frac Tanks
- (1) Set of Confined Space Entry Equipment
- (2) Response Trucks – Fully Loaded
- (6) Sets of Level A & B PPE
- (2) Mobile Decontamination Trailers
- (1) Complete Set of Air Monitoring Equipment
- (1) Magnetic Patch Kit
- (2) High-Pressure, Hot-Water Washing Units
- 5,000 feet Containment Boom
- (2) Frac Tanks –20,000 gal/each
- (1) Oil Skimmer
- (2) Mercury Spill Kits
- (1) Mercury Vacuum

PORT JEFFERSON OPERATIONS CENTER

- (2) Project Managers
- (2) Supervisors
- (20) Marine Personnel
- (50) Temp Labor Workers
- (2) Skimming Systems
- (8) Utility Work Boats—(14 ft - 96 ft)
- (17) Pumping Systems & Hose
- (1) Storage Bladder
- (3) High-Pressure, Hot-Water Washing Units
- 3,000 feet Containment Boom
- (2) All Terrain Vehicles
- (2) Light towers with Generator

HUDSON VALLEY OPERATIONS CENTER

(2) Project Managers
(15) Hazmat Technicians
(1) 5,460- Gallon Vacuum Trucks
(1) Vacuum Units
(5) Pumping Systems & Hose
(1) Guzzler Air Vacuum Trucks
(6) 20-yard Roll-Off Containers
(2) Sets of Confined Space Entry Equipment
(3) High-Pressure, Hot-Water Washing Units
(2) 12' – 18' Aluminum Outboard Workboats
(6) Sets of Level A & B PPE
(2) All Terrain Vehicles
(1) 20 yard Vacuum Box
(1) Complete Set of Air Monitoring Equipment
(2) Backhoes
(2) Mercury Spill Kits
(2) Supervisors
(20) Temp Labor Workers
(2) 2,000- Gallon Vacuum Trucks
(1) Skimming Systems
(1) Storage Bladder
(1) Roll-Off Truck
(1) 20,000-Gallon Frac Tanks
(2) Response Trucks – Fully Loaded
(2) 24' Workboats
10,000 feet Containment Boom
(1) Mobile Decontamination Trailer
(1) Frac Tank –20,000 gal/each
(2) Light towers with Generator
(1) Magnetic Patch Kit
(5) HEPA Vacs – portable
(1) Mercury Vacuum

NEW HAVEN OPERATIONS CENTER

(1) Project Manager
(5) Marine Personnel
(2) Utility Work Boats—(30 ft & 65 ft)
(2) Pumping Systems & Hose
(1) Supervisor
(20) Temp Labor Workers
2,000 feet Containment Boom
(1) Storage Bladder

PHILADELPHIA METRO OPERATIONS CENTER

(2) Project Managers
(8) Hazmat Technicians
(1) 5,460- Gallon Vacuum Trucks
(1) HAZMAT Response Unit
(1) Guzzler Air Vacuum Trucks
(6) 20-yard Roll-Off Containers
(2) Sets of Confined Space Entry Equipment
(2) High-Pressure, Hot-Water Washing Units
(5) 12' – 18' Aluminum Outboard Workboats
(1) Complete Set of Air Monitoring Equipment
(6) Sets of Level A & B PPE
(2) Oil Skimming Systems
(3) Supervisors
(20) Temp Labor Workers
(2) 2,000- Gallon Vacuum Trucks
(1) Spill Response Trailer
(1) Roll-Off Truck
(1) 20,000-Gallon Frac Tanks
(2) Response Trucks – Fully Loaded
(4) 24' - 34' Workboats
10,000 feet Containment Boom
(1) Magnetic Patch Kit
(1) Boom Truck
(2) All Terrain Vehicles

DELMARVA OPERATIONS CENTER

(1) Supervisor
(20) Temp Labor Workers
(1) HAZMAT Response Unit
(2) 20-yard Roll-Off Containers
(1) Set of Confined Space Entry Equipment
(2) High-Pressure, Hot-Water Washing Units
(2) 12' – 18' Outboard Workboats
(1) Complete Set of Air Monitoring Equipment
(5) Hazmat Technicians
(1) 2200 Gallon Vacuum Truck
(1) Spill Response Trailer
(1) 20,000-Gallon Frac Tank
(2) Response Trucks – Fully Loaded
(1) 24' - 34' Workboats
1,500 feet Containment Boom
(6) Sets of Level A & B PPE

BALTIMORE/WASH DC METRO OPERATIONS CENTER

(1) Project Manager
(8) Hazmat Technicians
(1) 5,460- Gallon Vacuum Trucks
(1) HAZMAT Response Unit
(1) Guzzler Air Vacuum Trucks
(2) 20-yard Roll-Off Containers
(1) Set of Confined Space Entry Equipment
(3) High-Pressure, Hot-Water Washing Units
(2) 12' – 18' Outboard Workboats
(1) Complete Set of Air Monitoring Equipment
(2) Oil Skimming Systems
(2) Supervisors
(20) Temp Labor Workers
(2) 3,000- Gallon Vacuum Trucks
(1) Spill Response Trailer
(1) Roll-Off Truck
(2) 20,000-Gallon Frac Tanks
(2) Response Trucks – Fully Loaded
(2) 24' - 34' Workboats
3,000 feet Containment Boom
(6) Sets of Level A & B PPE
(2) All Terrain Vehicles

ALBANY OPERATIONS CENTER

(3) Project Managers
(6) Hazmat Technicians
(2) Vacuum Trucks
(2) Guzzler Air Vacuum Trucks
(5) 20-yard Roll-Off Containers
(2) Response Trucks – Fully Loaded
(2) High-Pressure, Hot-Water Washing Units
(6) Sets of Level A & B PPE
(2) All Terrain Vehicles
(1) 5 ton Grove Crane 4WD
(1) Light tower with Generator
(1) 150 feet of S/S Chemical Hose
(2) D/D Chemical diaphragm pump - 2"
(4) D/D Air Transfer Pumps – 3"
(1) Complete Set of Air Monitoring Equipment
(1) 50 ton Lowboy
(3) Supervisors
(20) Temp Labor Workers
(1) Roll-Off Trailer
(2) 20,000-Gallon Frac Tanks
(2) Sets of Confined Space Entry Equipment
(2) Utility Work Boats-- Boston Whaler
2,000 feet Containment Boom
(2) Mobile Decontamination Trailers
(1) Pump Trailer w/ Hose
(1) 200 gpm Transfer Pump-Food Grade
(3) Portable 2000kw Generators
(2) HEPA Vacs - portable
(1) Backhoe
(1) HAZMAT Hammock
(1) Magnetic Patch Kit
(1) 20 yard Vacuum Box

STATEN ISLAND OPERATIONS CENTER

(2) Project Managers
(33) Marine Personnel
(2) Vacuum Units
(17) Pumping Systems & Hose
(2) Response Trucks – Fully Loaded
(3) High-Pressure, Hot-Water Washing Units
(2) All Terrain Vehicles
(2) Light towers with Generator
(3) Supervisors
(50) Temp Labor Workers
(3) Skimming Systems
(1) Storage Bladder
(25) Utility Work Boats—(14 ft - 100 ft)
12,000 feet Containment Boom
(1) Boom Truck
(2) Portable 5000kw Generators

2.0 Land Based Equipment

Liquid Vacuum Truck CLIN#003DD1
2,200 – 6,200 Gallon Capacity
27” HG, 350 CFM

USES:

- Water Pump Out
- Liquid Waste Removal
- Liquid Transportation

Guzzler/Vactor CLIN#0003CC2
15 Cubic Yard Capacity
Rear Dump Capable
6,500 CFM Blower, 21” HG
Wet/Dry Mode, Side-loading Capable

USES:

- Small Diameter Solids Recovery
- Storm Drain Clearing
- Septic and Oil Sludge Removal
- Silt/Mud Removal
- Water Intake Clearing

Response Truck CLIN#0006FD1
1,000 Cubic Foot Capacity
Electric Hydraulic Lift Gate

USES:

- Small Response Unit
- Suitable for HAZMAT Lab Packs
- Movement of material/equipment
- Deliveries/Pickup of supplies

Hazardous Materials Emergency Response (HAMER) Trailer CLIN# 0006FD1

Equipment includes level A, B & C response, Air monitoring, decontamination shower, lab pack ready, sampling equipment.

USES:

- Rapid Response for HAZMAT needs
- Suitable for HAZMAT Lab Packs
- Air Monitoring for CO, H2S, LEL, Volatiles

Equipment Supply Trailer w/ Awning CLIN#0006FD9

Fully stocked with Personal Protective Equipment, Lights, Generators, Tools, Life Jackets, Plastic, Absorbents, Decontamination Equipment, Radios, Tables and Chairs, Boat Motors, Monitoring Equipment, Fuel.

USES:

- Materials Supply Depot Control Point
- Meeting Area for Safety Briefing and issuance of Personal Protective Equipment
- Logistics Field Unit

Response Trailer CLIN#006FD1

Contains personal protective equipment, materials, and an assortment of cleanup tools.

USES:

- Meeting Area for Safety Briefing and issuance of Personal Protective Equipment.
- Secure storage for field equipment and materials.

Rack Truck CLIN#0006FD4
Electric Hydraulic Lift Gate

USES:

- Small Response Unit
- Movement of material/equipment
- Deliveries/Pickup of supplies

Crane Truck CLIN#0004BC
15 Ton & 12 Ton Lifting Capacities
90' of Boom

USES:

- Lifting objects point to point
- Recovery of displaced items

Ten Wheel Dump Truck CLIN#0005EC
12 Cubic Yard Capacity
Rear Dump

USES:

- Earth/Debris/Material Movement

Roll-Off Truck CLIN#0004DB
60,000 lb. Hoist,
80,000 lb. GVW

USES:

- Earth/Debris/Material Movement
- Sludge Container Movement
- 10K Gallon Frac Tank Movement

Interceptor Box CLIN#0003ED
4,000 Gallons/20 Cubic Yards
Totally Sealed and Contained
Rear Dump

USES

- Earth/Debris/Material Movement
- Liquid Mixed Waste Storage
- Storm Drain Waste Storage
- Septic and Oil Sludge Storage

Roll Off Containers CLIN#0005FC1
20 Cubic Yard Covered Containers

USES

- Earth/Debris/Material Movement
- Storm Drain Waste Storage
- Debris Storage

Frac Tanks CLIN#0003EE1
10,000 & 20,000 Gallon
Liquid Mobile Storage Tanks

USES

- Waste Liquid Storage
- Water storage for cleaning operations
- Temporary Storage of Diesel Fuel

Double Wall Storage Tanks CLIN#0003EE1
2,000 to 10,000 Gallon
Liquid Mobile Storage Tanks

USES

- Waste Liquid Storage
- Water storage for cleaning operations
- Temporary Storage of Diesel Fuel

Decontamination Trailer CLIN#0006FD11
Mobile Three-Phase
Decontamination Shower Unit, Hot Water

USES

- Personnel Decontamination
- Personnel Hygiene
- HAZMAT Decontamination

24’ Restroom Trailer CLIN#0008LN6
Mobile Restroom Unit

USES

- (4) Female Stalls
- (4) Male Stalls
- A/C
- Service Additional

8’ Restroom Trailer CLIN#0008LN
Mobile Restroom Unit

USES

- Male/Female separate
- A/C
- Service Additional

Decontamination/Shower Trailer NON BOA
Mobile Decontamination Shower Unit

USES

- Personnel Decontamination
- Personnel Hygiene
- HAZMAT Decontamination

Miller Environmental Group
(800) 394-8606 www.millerenv.com

Gamma Goat CLIN#0008AE1
Amphibious 6 x 6
Six Wheel Articulating w/ Trailer
2,500 lb Load Capacity

USES

- Earth/Debris/Material Movement
- Garbage Pick & Removal
- Movement of material/equipment
- Deliveries/Pickup of supplies

4 x 4 ATV's Transportation
CLIN#0008AD

USES

- Movement of material/equipment
- Deliveries/Pickup of supplies

Morooka Track Dump CLIN#0005ED
Low Ground Pressure
9,500 lb Load Capacity

USES

- Earth/Debris/Material Movement
- Garbage Pick & Removal
- Movement of material/equipment
- Remote Access

Yanmar Mini Track Dump CLIN#005AD2
Low Ground Pressure
2,500 lb Payload Capacity

USES

- Earth/Debris/Material Movement
- Movement of material/equipment
- Deliveries/Pickup of supplies
- Remote Access

4 x 4 Crew Cab Truck CLIN#006FD1
Four Wheel Drive Truck
¾ Ton Capacity

USES

- Movement of material/equipment
- Deliveries/Pickup of supplies

Bulldozer CLIN#0005AB1
Four-In-One Bucket
Track Machine

USES

- Earth/Debris/Material Movement
- Remote Access

Backhoe CLIN#0005CD1
Rubber Tired, 4 x 4
Backhoe is an extend-a-hoe.

USES

- Earth/Debris/Material Movement
- Remote Access

Mini Excavator CLIN#0005CD1
Low Ground Pressure
Rubber Track.

USES

- Earth/Debris/Material Movement
- Remote Access

Bobcat CLIN#005AD2
Low Ground Pressure
Rubber Track.

USES

- Earth/Debris/Material Movement
- Remote Access

Electric Generators

- 5KW CLIN#006BB2
- 11KW CLIN#006BA1
- 20 KW CLIN#006BA2
- 300 KW NO CLIN

Pressure Washer CLIN#0005GD1
Mobile Unit, 3,000 PSI
Gasoline Engine

USES

- Pressure Washing of Storm Drains
- Clearing of Walkways
- Cleaning of Surfaces

Air Compressor CLIN#0006GA1
Mobile Unit
185 Cubic Feet Per Minute

HOTSY SYSTEMS

HOTSY CLIN#0005G
High Pressure Hot Water Washing Units
1 Wand, 50 feet of hose,

Water Transfer Pumps CLIN#0006DC6
Fully transportable pumps for feeding water to the HOTSY units.

Hose CLIN#006EC
Suction and Discharge Hose for transfer operations.

HOTSYS

HOTSY Wands

Water Transfer Pumps

Water Pump Manifolds

HOTSY Hose

Miller Environmental Group
(800) 394-8606 www.millerenv.com

High Capacity Water Pump CLIN#006DB
Skid Mounted Mobile Unit
250 GPM

Mobile Command Unit CLIN#006FB1
Field Command Post set up with (3) Computer workstations with wireless Internet connection, Refrigerator, Meeting space for 4 persons, Generator, 2-way Radios, AC/Heat.

Light Tower CLIN#0006BA
Four 1,000-Watt Light, Mobile Unit
6,000KW Generator, Diesel Engine

Wash Stations **Multiple CLIN#'s**
Fully transportable hand washing stations holds liquid hand soap and paper towels.

Wash Stations **Multiple CLIN#'s**
Fully transportable hand washing stations holds liquid hand soap and paper towels.

3.0 Marine Based Equipment

14' Work Boats & Motors CLIN#0002ED1A
Aluminum Work Boat, 48" Beam
Shallow Work Environment

21' Work Boat CLIN#0002ED4A
Aluminum Work Boat
225HP Outboard

24' Work Boat CLIN#0002ED4A
Aluminum Work Boat
225HP Outboard

27' Work Boat CLIN#0002ED
Aluminum Work Boat
225HP Outboard

32' Work Boat CLIN#0002ED
Aluminum Work Boat
250 Cummins, 250 HP
Water Jet Propelled

35' Work Boat CLIN#0002ED6A
Aluminum Work Boat,
V671 GM Engine
5KW Generator w/ 110 & 220 Volt Service.

50’ Crew Boat CLIN#0002EC1
Steel Crew Boat
Two 671 Detroit Diesels 550HP
USCG Certified for 32 Passengers

74’ Landing Craft CLIN#0002JA2
Aluminum Boat
Two 800HP Detroit Diesels,
7 ½ Ton Crane
Cargo Well Capacity 100,000 lbs

100’ Utility Boat CLIN#0002J
Steel Crew Boat
Two 12V71 Detroit Diesels 680HP
USCG Certified for 36 Passengers
45 Long Ton Deck Crane, Fire/Deluge Cannon
1,000 GPM

Miller Environmental Group
(800) 394-8606 www.millerenv.com

MEG 5000 Weir Disk Skimmer CLIN#0003BD1
3,000 GPH Skimming Rate
1,000 Gallon Holding Capacity
18 GPM Hydraulic Power Pack

Containment Boom CLIN#0003A
40,000 feet 18” Boom
10,000 feet 36” Boom

Floating Work Platforms CLIN#0002BD1
Towable Portable Units
(3) 8’ x 50’ Sections

Location: 538 Edwards Avenue
Calverton NY 11933

Contact: Jerry Coogan
Business Phone: 1-631-369-4900
Fax: 1-631-369-4909

Lat. 40-55.692 N
Long. 72-45.528 W

Type	Sub-Type	Description:	Quantity
Beach Cleaner	Mechanical Cleaner		8
		Total Beach Cleaner:	8
Boom	18	Ht: 18	900
Boom	18	Ht: 18	20000
		Total Boom:	20900
Portable Storage	Dracone/Bladder	(Tank Trucks) TSC: 52	3
Portable Storage	Portable Tank	(Modular Storage Container) TSC: 476	5
		Total Portable Storage:	8
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 583	1
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 583	2
Skimmer	Floating Suction	(Weir) TEDRC: 0	3
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 9600	1
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 583	1
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 6857	2
Skimmer	Inclined Plane	(Belt/Adhesion) TEDRC: 2057	1
Skimmer	Oleophilic Disk	(Disc/Adhesion) TEDRC: 1714	1
		Total Skimmer:	12
Staff	Supervisor	(Supervisor) - Full Time	6
Staff	Support/General Labor	(Laborer) - Full Time	65
		Total Staff:	71
Support Equipment	Crane Truck	(Crane Truck) Cap: Cap Uts:	1
Support Equipment	Crane Truck	(Crane Truck) Cap: Cap Uts:	1
Support Equipment	Dump Truck/Trailer	(Dump Truck) Cap: Cap Uts:	8
Support Equipment	Dump Truck/Trailer	(Dump Truck) Cap: Cap Uts:	20
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uts:	1
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uts:	1
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uts:	1

Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uls:	1
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uls:	0
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uls:	1
Support Equipment	Earth Moving Equipment	(Earth Moving Equipment) Cap: Cap Uls:	1
Support Equipment	Pick-Up Truck	(Pickup Truck) Cap: Cap Uls:	15
Support Equipment	Roll-Off Container	(Roll Off Container) Cap: Cap Uls:	4
Support Equipment	Roll-Off Container	(Roll Off Container) Cap: Cap Uls:	15
Support Equipment	Truck - Semi	(Semi Truck) Cap: Cap Uls:	1
Support Equipment	Truck - Semi	(Semi Truck) Cap: Cap Uls:	15
Support Equipment	Van Trailer	(Van Trailer) Cap: Cap Uls:	3
Support Equipment	Van Trailer	(Van Trailer) Cap: Cap Uls:	8
		Total Support Equipment:	97
Transfer Pump	Centrifugal		5
		Total Transfer Pump:	5
Vacuum System	Vacuum Transfer Unit	(Loader) TEDRC: 685 TSC: 24	2
Vacuum System	Vacuum Truck	(Truck) TEDRC: 1248 TSC: 48	2
Vacuum System	Vacuum Truck	(Truck) TEDRC: 4118 TSC: 130	6
		Total Vacuum System:	10
Vessel	Deployment Craft (< 25 foot)	Len: 24 Bm: 10 Dft: 0 HP: 90	3
Vessel	Deployment Craft (< 25 foot)	Len: 18 Bm: 6.5 Dft: 0 HP: 15	14
Vessel	Landing Craft (36-66 foot)	Len: 34 Bm: 0 Dft: 0 HP: 0	1
Vessel	Landing Craft (36-56 foot)	Len: 74 Bm: 0 Dft: 0 HP: 0	1
		Total Vessel:	19

Galveston

Subtotal EDRC = 57,991 b/d

Subtotal TSC = 3,460 bbls

20-Feb-04

Contractor Name: Miller Environmental Group

Location: 287 Maspeth Avenue
Brooklyn NY 11256

Contact: Ken Heyman
Business Phone: 1-718-486-9109
Fax: 1-718-486-9108

Lat. 40-43.632 N
Long. 73-56.736 W

Type	Sub-Type	Description:		Quantity
Boom	18	Ht: 18		5000
			Total Boom:	5000
Portable Storage	Portable Tank	(Modular Storage Container) TSC: 476		3
			Total Portable Storage:	3
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 583		1
			Total Skimmer:	1
Staff	Supervisor	(Supervisor) - Full Time		4
Staff	Technical/Operator	(Technician/Operator) - Full Time		10
			Total Staff:	14
Support Equipment	Roll-Off Container	(Roll Off Container) Cap: Cap Uls:		4
			Total Support Equipment:	4
Vacuum System	Vacuum Truck	(Truck) TEDRC: 2404 TSC: 47		3
Vacuum System	Vacuum Truck	(Truck) TEDRC: 6000 TSC: 130		2
			Total Vacuum System:	5

Brooklyn

Subtotal EDRC = 19,795 b/d
Subtotal TSC = 1,829 bbls

Location: 146 Beach Street
Port Jefferson NY 11777

Contact: Jimmy Miller
Business Phone: 1-631-331-5336
Fax: 1-631-331-5708

Lat. 40-57.018 N
Long. 73-03.702 W

Type	Sub-Type	Description:		Quantity
Boom	18	Ft: 18		3000
			Total Boom:	3000
Portable Storage	Dracone/Bladder	(Inflatable Barges) TSC: 100		1
			Total Portable Storage:	1
Skimmer	Floating Suction	(Weir/Suction) TEDRC: 1028		1
Skimmer	Oleophilic Disk	(Disc/Adhesion) TEDRC: 240		1
			Total Skimmer:	2
Staff	Supervisor	(Supervisor) - Full Time		2
Staff	Supervisor	(Supervisor) - Full Time		2
Staff	Support/General Labor	(Laborer) - Full Time		50
Staff	Technical/Operator	(Technician/Operator) - Full Time		20
			Total Staff:	74
Vessel	Deployment Craft (< 25 foot)	Len: 18 Brn: 6 Dft: 0 HP: 0		3
Vessel	Deployment Craft (< 25 foot)	Len: 24 Brn: 7 Dft: 2 HP: 150		1
Vessel	Deployment Craft (> 25 foot)	Len: 74 Brn: 0 Dft: 0 HP: 680		1
Vessel	Deployment Craft (> 25 foot)	Len: 50 Brn: 15 Dft: 0 HP: 440		1
Vessel	Deployment Craft (> 25 foot)	Len: 65 Brn: 17.5 Dft: 0 HP: 1060		1
Vessel	Deployment Craft (> 25 foot)	Len: 65 Brn: 18 Dft: 0 HP: 660		1
			Total Vessel:	8

Port Jefferson

Subtotal EDRC = 1,268 b/d

Subtotal TSC = 100 bbls

20-Feb-04

Contractor Name: Millers Launch

Location: Pier 7 1/2
Staten Island NY 10314

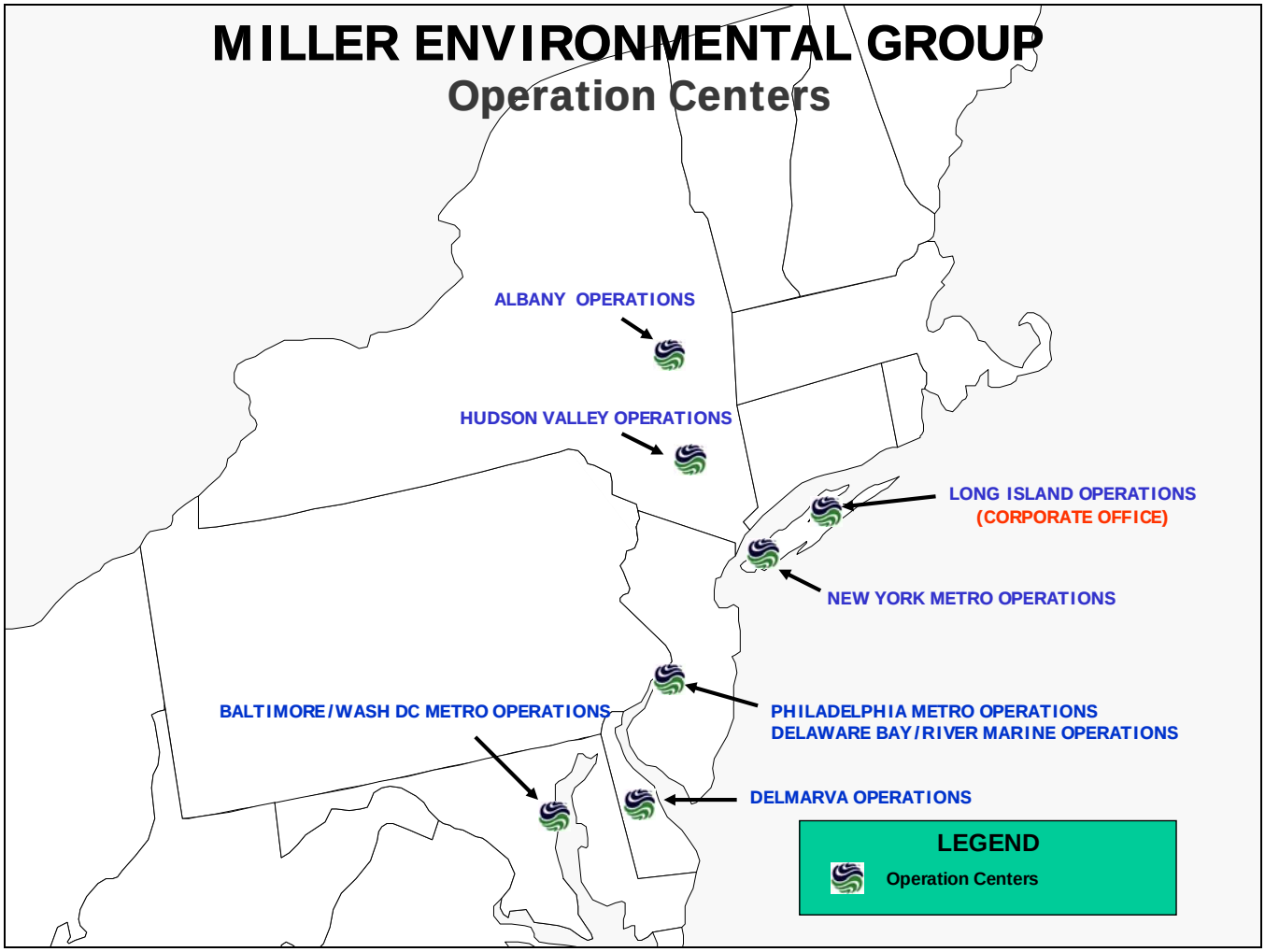
Contact: Glenn Miller
Business Phone: 1-718-727-7303
Fax: 1-718-448-6326

Lat. 40-37.884 N
Long. 74-08.214 W

Type	Sub-Type	Description:		Quantity
Boom	18	Ht: 18		12000
			Total Boom:	12000
Portable Storage	Portable Tank	(Modular Storage Container) TSC: 18		1
			Total Portable Storage:	1
Skimmer	Oleophilic Disk	(Weir) TEDRC: 1371		3
			Total Skimmer:	3
Staff	Supervisor	(Supervisor) - Full Time		5
Staff	Support/General Labor	(Laborer) - Full Time		50
Staff	Technical/Operator	(Technician/Operator) - Full Time		33
			Total Staff:	88
Vacuum System	Vacuum Transfer Unit	(Loader) TEDRC: 685 TSC: 24		2
			Total Vacuum System:	2
Vessel	Deployment Craft (< 25 foot)	Len: 18 Bm: 6.5 Dft: 0 HP: 15		12
Vessel	Deployment Craft (< 25 foot)	Len: 22 Bm: 9 Dft: 0 HP: 150		3
Vessel	Deployment Craft (> 25 foot)	Len: 100 Bm: 26 Dft: 0 HP: 0		1
Vessel	Deployment Craft (> 25 foot)	Len: 42 Bm: 14 Dft: 0 HP: 456		3
Vessel	Deployment Craft (> 25 foot)	Len: 40 Bm: 12 Dft: 0 HP: 0		1
Vessel	Deployment Craft (> 25 foot)	Len: 57 Bm: 16 Dft: 0 HP: 0		1
Vessel	Deployment Craft (> 25 foot)	Len: 65 Bm: 26 Dft: 0 HP: 0		1
Vessel	Deployment Craft (> 25 foot)	Len: 65 Bm: 18.5 Dft: 0 HP: 456		2
Vessel	Tug - Ocean	Len: 45 Bm: 0 Dft: 0 HP: 0		1
			Total Vessel:	25

Staten Island
Sub total EDRC = 5483 b/d
Sub total TSC = 66 bbl/s

Locations and Points of Contact



Long Island Operations
538 Edwards Ave.
Calverton, NY 11933
POC: Jerry Coogan
631-369-4900
631-369-4909 Fax
jcoogan@millerenv.com

New York Metro Operations
1300 Shames Drive
Westbury, NY 11590
POC: Adam Libuser
516-876-7940
516-876-7946 Fax
alibuser@millerenv.com

Hudson Valley Operations
169 Stone Castle Road
Rock Tavern, NY 12575
POC: Noel Russ
845-569-1200
845-569-1288 Fax
nruss@millerenv.com

Albany Operations
105 South Albany Road
Selkirk, NY 12158
POC: Noel Russ
518-767-0285
518-767-0289 Fax
nruss@millerenv.com

Philadelphia Metro Operations
105 Riverview Drive – PO Box 365
Paulsboro, NJ 08066
POC: Gary Humphreys
856-224-1100
856-224-1113 Fax
ghumphreys@millerenv.com

DELMARVA Operations
40 Artisan Drive
Smyrna, DE 19977
POC: Gary Humphreys
302-653-0333
302-653-0334 Fax
ghumphreys@millerenv.com

Baltimore/Wash DC Metro Operations
4616 Newgate Ave.
Baltimore, MD 21224
POC: Gary Humphreys
410-631-9193
410-631-9197 Fax
ghumphreys@millerenv.com

24 HOUR EMERGENCY RESPONSE

MILLER ENVIRONMENTAL GROUP
(800) 394-8606 (631) 369-4900
www.millerenv.com

ATTACHMENT 3

Cell Phone Numbers of Key Emergency Response Personnel

Attachment 3

Cell Phone Numbers

Last Revised 3/31/11

BNL Fire/Rescue Group			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Ambulance		631-872-9247	173*37738*18
Car #1		631-872-9251	173*37738*19
Lieutenants		631-872-9251	173*37738*19
Watch Room		631-445-2603	173*37738*85
Barone	Roy	631-872-9261	173*37738*9
Hickey	Michael	631-295-0057	173*37738*10
Kelly	Tim	631-926-5227	173*37738*53
LaSalla	Charles	631-872-9268	173*37738*11
Licata	Allen	631-872-9264	173*37738*12
Rosenfeld	Marcel	631-767-0357	173*37738*90

Facilities & Operations Directorate			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Bates	Lanny	865-414-2118	N/A
Bebon	Mike	631-495-4000	N/A
Bonanno	Mel	631-872-8998	173*37738*5
Chaloupka	William	631-514-1282	N/A
Gottleib	John	631-872-1033	173*37738*99
Murphy	Ed	631-872-8968	173*37738*33
Pankowski	Mike	631-872-8997	173*37738*6
Site Supervisor		631-872-8988	173*37738*23

Environmental Protection Division Regulatory Compliance Staff			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Bauer	Debbie	631-278-7189	N/A
Bou	Anna	631-457-3825	N/A
Craner	Frank	631-774-6021	N/A
ESD #1		631-872-8796	173*37738*54
ESD #2		631-872-8800	173*37738*55
Ferrone	Steve	631-278-7188	173*21354*4
Goode	George	631-872-8804	N/A
Green	Tim	631-872-8794	N/A
Haskins	Joy	631-578-4821	N/A
Hooda	Benny	631-618-5623	N/A
Lagattolla	Rich	516-779-3116	N/A
Lee	Bob	631-872-8790	N/A
Lettieri	Lawrence	516-805-3309	N/A
Metz	Bob	516-805-3178	N/A

Attachment 3

Cell Phone Numbers

Last Revised 3/31/11

Environmental Protection Division Regulatory Compliance Staff			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Milligan	Jim	516-805-3177	N/A
Paquette	Doug	631-872-0152	N/A
Pohlot	Pete	631-278-7185	173*21354*1
Remien	Jason	631-504-8614	N/A
Williams	Jeff	631-504-8940	N/A

Police Group			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Amabile	John	631-484-1705	173*37738*65
Butera	Arthur	631-484-1703	173*37738*67
Central Alarm System		631-484-1702	173*37738*66
Platoon #1		631-387-1153	173*108651*8
Platoon #2		631-387-1154	173*108651*9
Platoon #3		631-387-1146	173*108651*1
Vehicle 15		631-484-1708	173*37738*72
Vehicle 18		631-484-1709	173*37738*73

Department of Energy			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Crescenzo	Frank	631-466-1924	173*20550*2
Desmarais	Bob	631-466-1930	173*20550*8
Granzen	Jerry	631-466-1929	173*20550*7
Holland	Mike	631-466-1923	173*20550*1

Safety and Health Services Division Industrial Hygiene Personnel			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Bernholc (A)	Nicole	631-484-4458	N/A
Felock (A)	Nancy	631-295-7665	N/A
Horn (A)	Fred	631-453-5963	N/A
Litzke (A)	Wai-Lin	631-457-3824	N/A
Chiu (B)	Nicole	631-275-5732	N/A
Chuc (B)	Mary	631-258-1379	N/A
Responder (A) Rotating Cell		631-365-5183	N/A
Responder (B) Rotating Cell		631-466-2152	N/A

Attachment 3

Cell Phone Numbers

Last Revised 3/31/11

Public Affairs Office			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Lynch	Margaret	631-379-1539	N/A
Geiger	Kathy	631-453-5948	N/A
Genzer	Peter	631-453-5894	N/A

Office of Emergency Management			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Pena	Michael	631 879-2031	N/A
Ohlsen	Richard	631 872-4468	173*37738*69
Terranova	Joseph	631 872-4054	173*37738*19
Hamilton	Clayton	516 779-0665	172*7128*30
Venegoni	Michael	631 484-2114	173*37738*92

Facility Support			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Bergh	Paul	516-852-1334	Blackberry
Buscemi	Laura	631-457-3759	173*22483*133
Buckallew	Deana	631-484-1729	173*37738*76
Burns	Cheryl	631-236-3265	173*107054*5
Conkling	Kay	631-457-3610	N/A - Blackberry
Contos	Nick	631-767-4058	173*37653*6
Dahms	Kris	631-828-9545	Blackberry
Epple	Andrea	516-250-2539	Blackberry
Flanigan	Floyd	631-831-8038	172*7128*4
Hayes	Kim	631-484-0995	173*37738*50
Hanley	Denise	516-779-3111	172*7128*34
Heuer	Ted	631-828-9544	Blackberry
Olsen	Don	516-250-1988	172*7128*9
Reynolds	Deborah	631-457-3794	173*22483*159
Robles	Mike	631-457-3771	173*22483*134
Romanski	Raymond	631-300-6462	173*37653*4
Rovig	Tyler	631-252-8180	No direct connect
Ryan	Dennis	631-236-6878	Blackberry
Sullivan (RCT)	Patrick	631-767-1606	173*37913*4
Townsend	Steve	631-300-6463	No direct connect
Velazquez	Sam	631-828-9543	173*22483*185
Vignola	Joseph	631-457-3137	173*22483*157

Attachment 3

Cell Phone Numbers

Last Revised 3/31/11

Facility Support			
Last Name	**First Name**	**Cell Phone**	**Direct Conn. #**
Wehunt	Kim	631-514-1765	173*37653*7
Welty	Tim	631-457-3110	173*22483*224
Wilkins	Russell	631-457-3772	173*22483*135
Williams	James	631-457-3757	173*22483*131
Woodburn	Steve	631-828-9546	Blackberry
Young	John	515-852-1052	Blackberry
Zak	Bill	631-236-3263	173*107054*2
Zafonte	Frank	631-457-3793	Blackberry
1st responder	supervisor	516-315-3597	172*7128*18
1st responder	Tech #1	516-315-3602	172*7128*19
Bergh	Paul	516-852-1334	Blackberry
Buscemi	Laura	631-457-3759	173*22483*133
Buckallew	Deana	631-484-1729	173*37738*76
Burns	Cheryl	631-236-3265	173*107054*5
Conkling	Kay	631-457-3610	N/A - Blackberry
Contos	Nick	631-767-4058	173*37653*6

ATTACHMENT 4

BNL Fire Rescue Equipment and Supplies

Brookhaven National Lab Fire Rescue Specialty Equipment Cache

Metering Capability

- HazMat ID (portable infrared spectrometer)
- Ahura 1st Defender (handheld raman spectrometer)
- APD 2000 (gamma detector, WMD agents)
- Draeger CMS (multiple types of gas detection)
- 2 MSA Solaris 4 gas detector (co, 02, h2s, lel)
- TIF combustible gas detector
- TIF leak detector (refrigerant)
- BADD Kits (biological agents testing kits)
- PalmRad
- Industrial Scientific Photo ionizing detector
- 3 MSA personal O2 meters
- 10 electronic personal dosimeters
- 1 Ludlum with pancake probe

Testing Capability

- M-8 Paper
- CM-9 Paper
- PH Paper
- Mercury Test Kit
- Leak Tek

Mitigation

- 55 gallon drum of Green Stuff
- 55 gallon drum of speedy dry + multiple bags
- ½ case sodium bicarbonate
- 2- 5 gallon pales of Stergo
- Mercury vapor powder suppressant
- Case of Clorox bleach
- Oil, acid, and bases spill kits
- Multiple type of socks and pads (oils, acids, bases, solvents,etc)
- 5 gallons hydrated lime
- 5 gallons caustic neutralizer
- 5 gallons of metal-x powder
- 2 quarts of acid neutralizer

Specialty Equipment

- Entry Link wireless hazmat camera system
- Zistos camera system
- 3 MSA thermal imaging cameras
- 10 PAPR’s with multiple cartridges
- Hurst mini lite system
- Geotech peristaltic pump with tubing
- 3 portable electric pumps
- 2 manual pumps
- Chlroine A & B kits
- Multiple types of plug, patch and clamp kits
- Non sparking tools
- 150 DuoDote kits (atropine & 2Pam auto injectors)

ES-6
HAZ-MAT
Trailer
(red)

March 22, 2011

Rear Door Seal # 0151851
Side Door Seal# 0151854

CAGE #1 SUITS AND BOOTS
Seal # 0151649

TOP SHELF

2	Bags Kotex
1	Roll Chem Tape 1
5	Rolls Chem Tape 2
4	Rolls Duct Tape
1	Bag Cooling Vest (4 sets)
1	Chart for Chem Tape Use
2	Boxes of each Gloves (Med, Lg, X-Lg
3	Pairs Kevlar Gloves
3	Bag Green Gloves
1	Pkg Sight Savers

MIDDLE TOP SHELF

2	XL Level A w/Flash Protection
2	2 XL Level A w/Flash Protection
12	Red Splash Suits (M&L)

MIDDLE BOTTOM SHELF

1	Large Level A w/Flash Protection
1	3XL Level A w/Flash Protection
1	4XL Level A w/Flash Protection
12	Red Splash Suits (XL&2XL)

BOTTOM SHELF

1	Bag Haz Proof Boots 8 & 9 (Orange)
1	Bag Haz Proof Boots 11 & 10 (Orange)
1	Bag Haz Proof Boots 12 & 13 (Orange)

CAGE #2 SUITS
Seal # 0151947

TOP SHELF

1	XXXL
8	XXL Tyvek Suits
5	XL Tyvek Suits
1	Large Tyvek Suits
	Decon Shower Bag

MIDDLE TOP SHELF

2	XXL Level B Suits Encapsulated Suits
6	XXXL Level B Suits Encapsulated Suits

MIDDLE BOTTOM SHELF

2	XXXL Level A Suits
1	XXL Level A Suits

BOTTOM

1	XXL Level A Suits
2	XL Level A Suits

CAGE #3 DECON
Seal # 0351924

TOP SHELF

2	3 Gal Multipurpose Sprayer Green
1	2 gal Multipurpose Sprayer Blue
	Clean Area Mat
1	Manifold 2 ½" x 6 – Garden Hose Orange
4	Shower Nozzles
2	QT. Spray Bottles
1	Tarp 30x60 Gray
1	Tarp 18x12 Blue

BOTTOM SHELF

1	Length 1 ¾" Hose
1	Length 3" Hose
1	Manifold 1 ½ x 4 Garden Hose Black
4	Lengths of Garden Hose Black
1	Decon Hoop
2	1 ½" Clear Pump Hose

DECON BIN

1	Gallon bleach
4	Rolls Rag on roll
1	Roll paper towels
3	Spray nozzles for garden hose
1	Package washers
1	Wye for garden hose
1	5 lbs box Borax
1	2 ½ Female garden hose adapter
11	Hand sponges
6	Soft bristle hand brushes
2	Hard bristle hand brushes
2	Portable exit signs (English/Spanish)
3	Portable Electric Pumps

HAND PUMP BIN

1	Double Female 2 ½"
1	Double Male 2 ½"
2	Reducer 2 ½" to 1 ½"
3	Reducer 2 ½" to garden
1	Manual Pump w/1" hose
1	Manual Pump w/ 1 ½" hose
1	Flotec Pump
1	Air Foot Pump

CAGE #4 MITIGATION
Seal # 0351911

1	Roll of Salvage Plastic
3	Plastic Scoops
4	Pairs of Oven Gloves White
1	Blue Bin PH Paper / Tags
1	4 qt Funnel
2	

GRAY BIN

2	1 H Jar Talc
3	Sodium Bicarbonate (5 lbs)
2	MT Pain Cans
2	8 oz Power Dam
2	Quarts Acid Neutralizer
1	Tongs

CLEAR BIN

1	Dust Pan
10	Box Baking Soda
1	Box N95 Mjask
1	Tube Silicone Adhesive Sealant
4	Safety Goggles

MIDDLE SHELF

1	Pail of Stergo
1	Pail of Speedy Dry
1	Pail Metal X-Powder
3	Tarps 20’ x 30’
1	Tarp 12’ x 20’ Green
1	Tarp 9’ x 11’ Blue
1	Rad Rope Reel
2	Metal Funnels
1	Box Green Gloves

BOTTOM SHELF

2	
2	5 gallons Caustic Neutralizer
2	5 gallons Hydrated Lime
	5 gallons Stergo

CAGE #5 PIGS AND BOOMS
Seal # 0351929

TOP SHELF

2	Bag Booms 8” x 20’

MIDDLE SHELF

1	Bag Oil only Absorbent Pads
2	Bag Pigs Socks (large) 3” x 20’

BOTTOM SHELF

2	Bags Absorbent Pulp Acid & Base only (pink)
1	Bag Absorbent Pulp
1	Bin Blue Pig Socks (oil)
1	Bin Absorbent Pads for (acid, caustics and solvents)
1	Bag Pig Socks (white)

TOP OF CAGE

4	Bags Absorbent Pads

CAGE #6 MODESTY GEAR AND REHAB
Seal # 0150893

TOP SHELF

2	White Round Cooler 10 Gallon
1	Misting Fan
1	Extension Cord

MIDDLE SHELF

1	
1	Blue Cooler
2	Box Shoe Covers
1	Packages Bar Soap
2	Qt Hand Sanitizer
1	Rolls Caution Tape
1	Blue Bin Coveralls
1	Blue Bin Plastic Bags
2	Small Blue Bin Safety Wipes
2	Bags Cups
	Gatorade Containers (16 oz)

SIGNS	Deceased
	Delayed
	Immediate
	Minor
	Enter
	Decon
	Exit
BOTTOM SHELF	Green Bin Modesty Suits (4 Large & 4 Med)
1	Green Bin Modesty Suits (8 X-Large)
1	Gray Bin Modesty Suits (4 XXL & 4 XXXL)
1	

FRONT WALL SHELVES #7

1 Package	Plastic Bags Clear (8x10)
2	Saw Horses
1	Light
2	Litter Conveyors
6	Crates
2	Cans of Spray Pain (Yellow and Red)
3	Markers (Red, Blue, Black)
2	Chlorine (A & B Kits)
1	Tent Behind Pools
4	Decon Pools
1	Duct tape
TOP OF SHELVING	
1	
1	Caution Tape
1	Green Bin (Tent Accessories)
1	Roll Oil Pad
2	Black Box – Light
2	Case Clear bags
2	Green Shovels
1	Mallets
1	Bag Electric Zip Ties
2	Funnel
1	Extension Cords
HANGING ON SIDE OF SHELVING	Grabber
	Metal Shovel

ON FLOOR

1 IN CORNER	95 gallon Over pack Drum with 55Gal. Blue Drum Inside
4	
2	
4	Car Brushes
1	Brooms
	Generator Honda 6500
2	**Drag** Sked **on gray garbage can**

OTHER MISCELLANEOUS ITEMS

2	Chairs
4	Garbage Pails
2	Plastic Back Boards (Hanging on Wall)
1	Grocery Cart (Inside 12 Red, 12 Yellow, 12 Green Cones)
2	Caution Cone
1	Propane Hot Shower System (Driver Side Front Corner)
1	HEPA Vac
1	Spool of Rope
3	Sections of Decon Showers
4	Collapsible Benches
3	White 5Gal Pails
2	Skeds 2 Pumps

ON TOP OF CART 1 AND 2

4	Tyvek 2XL Suits
2	Tyvek 2XL Suits
3	Tyvek XL Suits
3	Tyvek 4XL Suits
3	Tyvek 3XL Suits
2	Carboys

REMARKS:

Inspector: **Date:**

ES-8
HAZ-MAT
Trailer
(White)

March 22, 2011

Side Door Seal # 0151719

Rear Door Seal # 0151724

Front of Trailer

6	Conveyers
	Backboard (Blue)
1	Case(10x10)Drip Pans

Locker

	Brooms, Shovels
4	Buckets
2	White helmets w/ face shields
	Fire Line/Caution Tape

Shelf L-1

Top

Drum Lids

Top Middle

8	Tote Bin Allwik Drip Pans
Box	Allwik 3” x 8’
Box	Allwik 3’ x 4’
	Hippo Oil Pads (200 Bale)
4	Broom Heads

Middle

	Allwik 3” x 12”
	Haz- Sock 3” x 4”
2	Haz- Sock 3 x 12”

Bottom Middle

	Maintenance Pads 15 ½ x 20 1/2
2	Universal Pads Chemical 16 x 20

Bottom

	Clorox (case)
	Oil Spill Kit
	Acid & Bases Spill Kit
2 Boxes	Blue Socks 3” x 4’
	Chemical Spill Kit (on floor)

Cart #7

On Top Of Cart

6 White Shallow Drip Pans

Top

White Salvage Drum (8 x 10 oil boom)
2 ½” x 4 Garden Hose Manifold
Yellow Salvage Drum (power-sorb kit)
Electrical Cord for generator

Bottom

6 Cam Scrubs	Assorted Red Suits
1 Decon Tent	

Shelf L-2

Top

Plastic Bins
Tyvek Suits
Plastic Bags

Top Middle

Green Bins 400 (8x10) Bags
Blue Tarp 8'x10'
Blue Bin
Assorted Gloves
Butyl Rubber Gloves

Middle

8 Boots Green
2 Large Blue Bin
    Disposable Coveralls
    Disposable PPE
2 Gray Tarps
95 Gallon Salvage Drum
6 55 Gal. Blue Drums

Bottom Middle

Large Blue Bin
    Disposable Rain Suits
    Booties
    Extra Modesty Clothing

Bottom

2 Green Tarps 30' x 40'
Handcart
5 Blue Drums (1 with speedy dry)
3 Garbage pails
3 Clear Bins
Drum Cart

Bottom Right Wall

Garbage pail (oil pillows 14 x 25")
4 White Backboards
5 Green Cones
2 Street Brooms
4 Black Decon Pools
Safety Bar

Rear OF Trailer

2 Fold Up Tents

REMARKS:

Inspector: Date:

CAR #1 (COMMAND)

2002 Ford Excursion

WEEKLY INSPECTION CHECK LIST

March 22, 2011

REAR COMMAND CENTER

BNL Mobile Radio (receive only) MAYDAY ALERT received: _____
(P-3 turns off Sonic Alert)

BNL Mobile Radio
County Mobile Radio F1 radio check: _____
Computer Screen
Accountability Tag Collection Ring

COMPARTMENT ONE (1)

Medical Bag
2 Sterile Water Expires: ____
2 Glucose Expires: ____
Oxygen Bag Present: ____psi
Manual Suction Kit
ABC Fire Extinguisher HT_____
AED Life Pak 500 Defibrillator w/Accessory Bag
2 Adult Pad Expires: ____
1 Child Pad Expires: ____
PCR Forms

NEXT TO COMPARTMENT

Power Cord

COMPARTMENT TWO (2)

E-Z up Tent Side Curtains
Weather Station Hand Held
Digital Camera in case
Bull Horn
Bumper Chute
Atomic Clock
Caution Tape (one roll)
Run Card Book

COMPARTMENT THREE (3)

Bioterrorism Guide to First Responders
Chemical/ Nuclear Terrorism Guide to First Responders
CMC Field Guide Rope Rescue Guide
Chemical Protective Clothing
IC Resource Manual
Emergency Flow Chart
Emergency Action Plan (‘06)
Firefighters Handbook of Hazardous Materials 7th ed.
NIOSH Pocket Guide to Chemical Hazards
Airborne Vapors/Gases from thermal decomposition
Re-occupancy clearance level chart
Facility Response Plan (’06)
Various Laminated Log Sheets and Quick References
BNL Phone Book 2004
NFPA Pocket Guide Haz Materials
Emergency Response Guidebook (2008)
Emergency Response to Terrorism Job Aide
On Scene Commander Guide
ATF Card

4 Field Guides
- EMS Field Guide
1 - Fire and Rescue Field Guide
- NIMS Field Guide
- Homeland Security Field Guide

2 Wind Tape (blue, yellow)
Bobs Rigging & Crane Handbook
Rapid Guide to Hazardous Material in the Workplace
Suffolk Atlas
SOP’S CAR 1
Building Hazard Survey

5 Coast Guard Hazardous Response (CHRIS)
1 Ever bridge Notification Folder

BACK DOOR

6 Boxes Nitrile Gloves (assorted sizes)

COMPARTMENT FOUR (4)

Fireground Tactical Command Sheet
Incident Commander Checklist
Incident Briefing sheets
Eraser and markers
Assorted nails
Building and Road Atlas
Electric and Mechanical Site Maps
Site Maps
Tactical Sheets
NSLS II Gate Map

COMPARTMENT FIVE (5)

Portable Canopy with Pole
Maps of Surrounding Fire District (left of Comp. #3)

COMPARTMENT SIX (6)

Incident Commander Vests with Clipboard
Logistics Vest with Clipboard
Staging Vest with Clipboard
Communications vest with Clipboard
Operations vest with Clipboard
Safety Officers vest with Clipboard
EMS vest with Clipboard
2 Note Pads
Security Officers Clipboard
Incident Commander Vest w/o Clipboard
Emergency Management Vest
P.I.O Vest
DOE Vest
Crisis Manager Vest
Rescue Vest w/Clipboard

COMPARTMENT SEVEN (7)

Pager List
Assorted folders
OEM EPHA Book
Fire Rescue Rain Slickers
USB Extender
100 ft. of patch cord
BNL Phone Book

COMPARTMENT EIGHT (8)

Various stationary items
Web Camera

CENTER SECTION

D7460 Printer
Media Card Reader (Missing)
Portable Weather Station
Suffolk County Atlas (rear of driver seat)
Water Rescue Throw Rope (Rear Passenger Seat)

14’ Patch Cable
Bolt cutters on the floor
Survivor flashlight
2 Safety vest-1Rear Passenger Seat,1 Rear of Driver Seat

COMPARTMENT (9)

Various reference materials
Ordinance map
Building Key Plan

REAR CENTER CONSOLE

800 Mhz. Mobile radio
BNL Mobile Radio
Spotlight
Bushnell Binoculars
SCBA
Burn permits Folder/clip board
NSLSII gates 1-5 in binder
Building Index
N95 Masks
Hard Hat

FRONT CENTER CONSOLE

Car 1 Route Book
HFBR Keys
Gate Keys
Grove St. NSLSII gate #2 and EW Howell key
BP solar project, North St. gate key
House Keys
Elevator Keys
Alarm Keys
BNL Mobile Radio — MAYDAY ALERT check: _____
County Portable Radio — F1 radio check: _____
County Mobile Radio — F1 radio check: _____
UHF Portable Radio
Leak Detector
MSA O_2 Meter

DOT ERG Guidebook 2008
Knox Box key and Security Box
LED Flash Light

REMARKS:

INSPECTED BY: **DATE:**

_____ _____

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LADDER 1
5-20-1

WEEKLY
INSPECTION CHECK LIST

Tuesday, March 22, 2011

2010 Pierce 95’ Tower Ladder
2000 GPM

CAB

- 200 ft - 120/20Amp Fire Power Reel
- Inspect Turn table Access Ladder, Webbing and Ladder Lock Mechanism.

Compartment L – 1

- Stream light
- 3 Nozzles (Akron 5170, 2 x TFT)
- 1 ½" double female
- 1 ½" double male
- 1 ½" cap
- 2 ½" female x 1 ½" male
- 1 ½" female x 1" male reducer
- 2 ½" double female
- 2 ½" double male N.S. x N.Y.C
- 2 ½" NYC female x 2 ½" Male adapter
- 2 ½" N.H. adapter
- 2 ½" cap
- 1 ½" Nozzle gate handle w/ 15/16th and ½" tips
- (4) sets 2½" Double female w/ 2½" double male adapters
- 2 ½" X 1½" reducer
- 2 ½" Nozzle Gate w/ handle
- 5" Storz x 2½" Female 30 degree elbow
- 5" Storz x 4½" Female adapter
- 5" Storz x 2½" Female adapter
- PIV Handle
- Mallet
- Extension Pipe
- Radio Mics (UHF, BNL, Low)
- Wall Hydrant Key
- Gasket Bundle

Two (2) Wheel chocks under running board

MPO Panel

- Storz Spanner Set (4)
- Spanner & Hydrant Wrench Combo Rear Wall
- 2 ½ Inch Yellow w/ 2 ½" TFT Nozzle
- 1¾ Red Hose w/ Solid Bore Nozzle
- 1¾ Blue Hose w/ TFT Nozzle
- Inspect MPO Platform

Compartment L -2A

- ABC 10lb Fire Extinguisher Bar Code # 012410

Compartment L -3

- Chauffeur's Gear location (Clear)
- Traffic Cones (4)
- 2 - 1lb "Green Stuff"
- Plastic Container w/ 1 Box of
- Gloves
- 2 x Firepower to 120 volt pigtail
- 2 circle "D" Lights
- 1 Firepower to 3 Outlet Strip
- OMTB – 4 Yellow Caution Tape

Compartment L – 2B, Compartment L – 2C

- Each has a 45 Minute SCBA Air Cylinder

Compartment L – 4

- Top Shelf 5" - Hose Roller, Foam Nozzle, Foam Inductor Hose
- Mid Shelf – Rope Bag, 2 – Utility Ropes (50')
- Mid Shelf-Rope Bag #2-Yellow with white tracer
  Mid Shelf-OMTB – Bucket Safety Belts
- Bottom Shelf
  1 10lb Halon Fire Extinguisher, Bar Code # 012019
  1 H_2O Fire Extinguisher,
  3 Fans

2 Truck Mounted Halogen Scene Lamps on Left Side and Right Side
2 Ground Jack Pads

Compartment L – 5

- **Top Shelf**
- 2 – 50’ 2 ½” lengths of hose Green
- 2 – 50’ 1 ¾” lengths of hose
- Water Thief
- **Middle shelf**
- 2 x 1 ½ High Rise Packs w/ Straight Bore Nozzle

- **Bottom Shelf**
- 2 slots for 5” hose 1-35’ w 5” x 4 ½” adapter & 1 25’
- 2 slots 3” hose 50’ each-orange
- 2 slots for 2 ½” hose 50’ each-green
- Jewel Bag (black) Contains the following:
    - 1¾” In Line Gauge In Pelican Case
    - 1 ½” Nozzle – Smooth bore 15/16th w/ Pistol Grip
    - 1 TFT Midmatic Fog Nozzle
    - 1 ½” Quick Brass Snap connect Adapter
    - 2 ½” NS Female to 1 ½” NS Male Reducer Adapter
    - 1 ½” Cap
    - 2 ½” Double Male Adapter
    - 2 ½” Double Female Adapter
    - 1 ½” Double Female
    - Hose Strap
    - Hand Wheel
    - Rubber Mallet
    - (2) Spanner Wrenches
    - Pipe Wrenches 14”& 18”
    - (2) Wire Brushes
    - Assortment Chocks

OFFICERS FRONT CAB

County Radio Check √ _____

SCBA Inspection Complete _____

Batteries Changed _____

- Spotlight
- Streamlight
- Safety Vest
- Thermal imaging Camera, Battery
- BNL Building Guide
- 2008 ERG
- Hagstrom Street Guide
- Radioactive Guide
- Low Band Portable Radio
- Officer SCBA L-1A

Glove Box

- (2) Squirt Bubbles
- Spring Loaded Center Punch
- Repair Putty Stick
- (2) M-8 Papers
- Black Marker
- Accident Forms
- Seals Blue
- Pen

- 4 Rechargeable Hand lights
- 4 SCBA L-1B, L-1C, L-1D, L-1E
- First Aid Compartment
    - First Out Bag Items with Expiration Dates
    - Sterile Water _____
    - Glucose _____

      Boxes Of Gloves XL, L, M

      Under Center Bench Seats

- Box Kleenex
- Box Micro Wipes
- (6) Cold Packs
- BVM's
- Emergency Blanket
- Box Face Shields (25 count)
- Bucket Hearing Protection

Under outboard SCBA Seat Officers Side

- Portable Oxygen _____ psi

In Refrigerator

- Water Bottles

Compartment R-1

- Flares (min 10)
- Tac Stick – K-Tool – Duck Bill Lock Breaker
- 1 -3’ Closet Hooks, 2 Sets of Irons, Bolt Cutter
- Pick headed axe and Maul
- Hydra Ram
- Search Rope
- Tool Bag Containing
    - Ardis Tool
    - Zip Ties
    - Sprinkler Tongs
    - Duct Tape
    - Open End Wrench ½” X 7/16th
    - (4) Crescent Wrenches (10”, 12”, 16”, 6”)
    - Vise grips
    - (2) Slotted Screwdrivers
    - Phillips Screwdriver
    - Lineman Pliers
    - Wire Cutters (dikes)
    - Channel Locks
    - Assorted Size Gaskets
    - T-Lug Wrench
    - Wire cutters (Cable)
    - Wedges Wooden Min 2
    - (2)11Pc hex key sets
    - (2) Ball Peen Hammers
    - 19mm Combination Wrench
    - Rubber Mallet

Right Side Inlet and Discharge Panel

- Storz Spanner Set Front Wall
- Spanner & Hydrant Wrench Combo Rear Wall
- Wye – 5” x 2 ½” x 2 ½” x 2 ½” with 3 Double Females

Compartment R-2 Saws & Generator

- Honda Generator – Tele – Light 2000 Fuel Level _____
- K 960 Saw- with saw sling
- Cutter’s Edge Chain Saw-with saw sling
- Gas Cans (1 Can Straight gas _____ and 1 can oil/gas mix _____)
- Saw Blade s(front wall)
- Bar Oil, Mix, Saw Tool

Compartment R-2-A, R-2-B, R-2-C

- Each has a 45 Minute SCBA Air Cylinder

Compartment R – 3 Dewalt & Tools

- 1- Screw Gun
- 2- Impact Drivers
- 1- Sawzall
- 1- Swivel Head shear
- 1- Circular saw
- 1- Right Angle Drill
- 1- Cordless Cut Off Tool
- 1- Flash light1- Box of drill bits
- 1- Box Saw Blades
- 3- Spare Batteries in Chargers
- Tool box with assorted wrenches, screw drivers, pliers and ratchet set

Rear Ladder Compartment

- Stokes Basket above 24’ Ladder with back board and 2 sets of webbing
- SKED Stretcher
- 6’ Sheetrock Hook
- 3 – 6’ Hooks
- 2- 8’ Hooks
- 2 – 12’ Hooks
- 1 - 24’ Extension Ladder
- 2 - 16’ Roof Ladder
- 35’ Extension Ladder
- 14’ Extension Ladder
- 10’ Folding Ladder

Rear Controller Compartment

- Jack Controller Wand

Rear Hosebed

- Hydrant Bag – Contents:

Bucket / Ladder Tip

- Left Side of Ladder
  - 10’ hook
  - Folding Ladder
- Right Side of Ladder
  - Haligan Hook
- 4- Truck Belts
- 2- Spanners
- 2- Stangs, one with stack tips and stream straightener

Dunnage Area

- Stokes Basket Bucket Brackets
- Foam Cans (6)

Comments:

Inspected by _____ Date _____

ENGINE 2

5-20-2

WEEKLY
INSPECTION CHECK LIST

March 22, 2011

1993 EMERGENCY ONE
500 GAL. WATER TANK
30 GAL. FOAM TANK - AFFF-ATC
HALE SINGLE STAGE 1500 GPM PUMP

*** Denotes Equipment on 1st due Engine**

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ENGINE 2 INVENTORY

1. Front Bumper

1 5" x 25 ft Hose
2 1 3/4" x 50 ft Hose
1 1 ½" Nozzle (75 psi)
2 Spanner Wrenches
1 Hydrant Wrench

2. Rear Seats

4 SCBA
4 Safety Vests

Rear Shelves

1) Shelf Top

4 Rechargeable Hand lights
1 RIT Bag
1 TIC
1 Search Rope (200 ft)

2) L-1 Compartment

1 Box Eye/Face Shields
1 Box Cold Pack
3 Boxes Latex Gloves, 1 XL, 1 L, 1 M
1 Box Facial Tissues

3) L-2 Compartment

First Out Bag
Life-Pak AED Adults _____Child _____
PCRS and Clipboard

4) L-3 Compartment

1 BVM's
Portable Oxygen _____ psi

Items with Expiration Dates

Sterile Water _____
Glucose _____
Aspirin _____

5) M-1 Compartment

1 Rabbit Tool
1 Tac Stick

6) M-2 Compartment
- 2 Rolls Traffic Tape
- 1 Lockout Tag Out Kit
- 1 Roll paper towels

7) M-3 Compartment
- 1 Box Ear Protection and Safety Glasses
- Water bottles

8) Compartment R-1
- 1 Ludlum Meter Cal Due Date _____
- MSA Solaris Meter and Probe
- 1 O2 Monitor MSA

9) Compartment R-2
- *Assorted Response Plans, Emergency Plans
- 1 BNL Bldg and Road Atlas

10) Compartment R-3
- Key Box
- Key Tag List

3. Compartment L-4 and (Outside storage behind Jump Seat Doors)
- 4 SCBA Bottles
- 1 Length Air Hosex25'

4. Midship under Deck Compartments

L-5
- 1 length 3" Hose x 25 ft

5. Above Pump Panel
- 1 Demountable Deck Pipe with Stacked Tips

6. Cross lays
- Forward - 200 ft – Red - 1 3/4 Hose with Nozzle SB 15/16"
- Middle - 200 ft – Blue - 1 3/4 Hose with Nozzle TF 70-200 GPM
- Rear - 200 ft. - Yellow - 2 1/2 Hose with Nozzle TF 70-250 GPM

7. Storage compartment behind Pump Panel
- 4 Cans, 5 gallons each, AR-AFFF 3%-6% (Total 20 gallons)

8. Left Side Top

1 - 6" Hard Suction, with strainer

8A. Left Running Board

1 Wheel chock

9. Compartment L-6

A) Top Shelf

1 Hydrant Wrench /Hydrant adaptor/Storz adaptor
1 Mallet, Rubber
1 2 ½ Nozzle 70-250 PSI Akron Turbo Jet
1 T-Wrench for Bldg. 1005E Wall Hydrant
1 Adapter 5" Storz Hose to 2 ½" Female
1 Adapter 5" Storz to 2 ½" 45^0 Female
1 Booster Spanner
Assorted Gaskets
Nozzle 11/2 TFT 100 PSI

B) Bottom Shelf

Fittings including:

1 2 ½" NS Female to 1 ½" NS Male Reducer
3 2 ½" NS Double Female Adapters
3 2 ½" NS Double Male Adapters
2 1 ½" NS Double Male Adapter
1 1 ½" NS Female Thread Cap
2 1 ½ Double Females
1 1 ½" Foam Adapter Inductor
1 2 ½ Female Cap
2 2 ½" Male Caps
1 2 ½" Female to Garden Hose Male
1 Foam Bucket Wrench
2 Spanner Wrenches
1 Handle, PIV
2 chock
1 Breaker bar (Alongside tray)
1 21/2'' NYC Male to NH Female

10. Compartment L-10

1 Rolls Tape, Yellow Fire Line
1 "K" Tool
1 Whizzer Tool
1 Pick Head Ax e 1Flat Head Axe/ Haligan
Flat Head Axe

1 6’ Sheetrock Hook
1 18” Bolt Cutters

11. Compartment L-8

1 SCBA Cylinders, 45 Min.

12. Compartment L-11

1 SCBA Cylinder, 30 min for Whizzer tool
1 SCBA Cylinder - 45 mins.
4 Small Traffic Cones
2 Drag SKED (yellow)

13. Compartment L-7

1 Can of gas – Level E, ¼, ½, ¾, Full
1 Hurst Gas Unit
1 Hurst Combi-Tool
1 Spare Hose Orange

14. Compartment L-9

1 Closet Hook, 4 Ft
1 Shovel, Long Handle, Flat Blade
1 Rope 9mm white 100’
1 Rope 8mm blue 50’
1 Emergency Scene Ahead and Stand

15. Compartment L-12

6’ Pike Pole
1 – 8’ Roof Hook

16. Compartment M-4

<u>Tool Bag with</u>:

1 Ardis Tool
2 Hammers (1 Ball Peen)
1 Chisel
1 Pry Bar
4 Crescent Wrenches (Assorted Sizes)
6 Open End Wrenches
5 Slotted Screwdrivers
3 Phillips Screwdriver
1 Wire Cutter
1 Channel Locks
1 Sprinkler Chock
1 Duct Tape
2 Allen Keys
1 Vise grips with chain
1 Set of Open End Wrenches (small)
1 Lineman Pliers
1 Regular Pliers

1 Tool Box with Assorted Sockets (red)
1 MX – Foam Jet Nozzle
1 Floor Tile Puller
1 Hose Drain Roller
1 Hurst Tool Hose(Green)
1 Hurst Manifold
3 Orange Road Cones

17. Compartment M-5

1 Hurst "O" Cutter
1 Fan
1 Z Bar
1 Smoke Ejector Fan w/ Household-Firepower Adapter Cord

18. Rear Deck

4 Wrenches 5" Storz
2 Wrenches, Spanner
1 Hydrant Wrench

19. Hose Bed

A) Left Side - 500 ft 3" Supply Hose w/ 1 – 2 ½" double Female and Gate
B) Middle
700 ft 5" Supply Hose
1 Hydrant Gate
1 Hose Strap
1 Hydrant Wrench
C) Inside Right - 500 ft - 2 ½"" Hose
D) Right Pre-connect - 200 ft - 3" Supply Hose
1 Water Thief

20. Right Side Top

1 Ladder, Extension, 24 ft.
1 Ladder, Roof, 14 ft.

21. Right Side Over Wheel

Attic Ladder, 10 foot.
10' Pike Pole

21A. Right Running Board

1 Wheel chock mounted in front of rear wheel

22. R-10 and R-11 Standpipe Roll-Ups (Below Ladders)

1 200 Ft 1 3/4 Hose with Solid Bore Nozzle
1 200 Ft 1 3/4 Hose with Solid Bore Nozzle

23. Compartment R-9

1 Halon Extinguisher

1 Bag of Forestry Hose
1 Fog Nozzle Akron Turbojet

24. Compartment R-7

1 Ground Mount Base for Deck Pipe
1 PW Fire Extinguisher
1 Stream Strainer
1 Roll, 5” Hose, 48ft
1 Blitz Fire Appliance
1 Roll, 5” Hose, 25ft

25. Compartment R-8A

1 Extinguisher, ABC, 10 Lb

26. Compartment R-8

1 SCBA Cylinders, 45 Min.

27. Compartment R-6

A) Top Shelf

Road Flares _____
1 Jewel Bag (black)
1 1 ¾” In – Line Gauge
1 Clamp, Pipe, "C" Type
2 Wrench, Spanner
1 1 ½” NPT Female to 1 ½” NS Male Adapter
1 2 ½” NS Female to 1 ½” NS Male Adapter
1 2 ½” Double Female Adapter
1 2 ½” Double Male Adapter
1 1 ½ Double Male Adapter
1 1 ½ Double Female Adapter
1 Rubber Mallet
1 1 ½” Smooth bore nozzle, 15/16 tip
1 1 ½” Vary-Stream nozzle
4 Door Wedge
1 14” Pipe Wrench
1 18” Pipe Wrench
2 Wire Brushes
1 Hose Strap
1 NPT – 2 ½” NS Male 4” long nipple
1 ½” Solid bore Nozzle Tip
1 11/2’ Cap

B) Bottom Shelf

4 2 ½” NS Double Female Adapter
2 2 ½” NS Double Male Adapter
1 Hydrant Wrench
2 Wrench, Spanner
1 2 ½” gated wye x 1 ½” x 1 ½”
1 2 ½” gated wye x 2 ½” x 2 ½”

28. Compartment R-5

1 Box	Road Triangles
1 Length	3” Hose x 25’

29. R-4 SCBA Compartment Bottles

4	SCBA Cyls 45 min

30. Officer’s Seat - Cab

A) Glove Box

1 Pair	Safety Glasses
1	Owners Manual
1 Bottle	Leak-Tec
1 Package	Litmus Paper
1	2008 Emergency Response Guidebook
1	Set of Fire Alarm And PIV Keys
1	Package M-8 paper
1	M-9 Test Paper
1	Envelope Accident Form
1	Wood Chock
11	Seals (BLUE)
2	Note Pad
1	Radioactive Material Shipment Reference Sheet
	Airborne Vapors/Gases from Thermal Decomposition
	Re-occupancy clearance level chart
1	Plastic repair Putty (Epoxy Stick)

Ear plugs

B) Front Seat

1	SCBA
1	Cab Jack Handle (Along side officer seat)
3	Extra Seat Back Inserts (Behind Officer Seat)
1	Radio, Portable, Low Band, County ("Portable 2")
1	Traffic Vest

County Radio Check √ _____
SCBA Inspection Complete _____
Scan Complete _____

REMARKS

INSPECTOR’S/ DATE:

RESCUE 4
5-20-4

WEEKLY
INSPECTION CHECK LIST

Tuesday, March 22, 2011

2002 Emergency One
Heavy Rescue

I. **<u>Front Bumper</u>**

1 Jumper Cables – Officer Side
1 Winch
2 Wire Slings – (1 – 3' sling, 1-5'sling)
2 Ram Extension Chain holders

II. **<u>Cab (Front)</u> -** Under Driver Seat

2 Winch Controls
RHIC/Perimeter gate/PIV Keys
Safety Glasses
Safety Vest compartment on Door

III. **<u>Crew Cab (Rear)</u>**

2 SCBA 45 min wall mount
2 SCBA 60 min in jump se
4 Stream Light Flashlights
1 Telelight Control (L/S)
1 County Portable Radio (# 131770)
1 MSA Evolution 5000 Thermal Imaging Camera w/spare battery(Not on 4)
1 200' Search Rope
2 Scotchlite Safety Vests
2 Pike Pole & Hooks,1 Haligan Tool , a Small Sledge Hammer Drivers side

IV. **<u>L-1 Compartment</u>**

3 Air Cylinders, 3 – 60 min SCBA RIT / PAK
3 Fire Extinguishers (Halon 1211, ABC, Pressurized Water)
Fan ½ hp
Flare Can (12)
Water Throw Rope 75'
Spanner and Hydrant Wrench Set Under Sliding Tray-Valve Key
Wheel Chock Man Hole Tool
4 Foot Step Ladder
1 Drag SKED (yellow)
4 Road Cones 2(Riged Fan Chutes)

V. **<u>L-2 Compartment</u>**

A) Front Tool Boards

5 Firepower cords
1 Electrical Cord (House Plugs)
Assorted Fire Power Pigtails and Junction Boxes

B) Top Shelf

1 Rigid Fan Chutes
1 Positive Pressure Fan Chute 1 Manhole Adapter

C) Middle

5 Circle D lights
1 Regular Extension Cords

D) Bottom Shelf

2 Class "D" Fire Extinguisher
1 Large Fan

VI. L-3 Compartment

A) Top Shelf

- 10 absorbent pads
- 10 Pigs
- 10 Absorbent Pillows
- 3 Plastic catch basins
- 5 Drip pans

B) Shelf 2 Oil Pads

- 1 Belly Patch Kit
- 1 Peristalic Pump w/ tubing
- 2 Mercury Spill Kit
- 1 Plastic Bottle

C) Shelf 3

- Drum Patch Kit
- Pipe Patch- Assorted sizes
- Gasket & Sealing Kit **-** green box
- Plug & Patch Kit – green box
- Multi Purpose Repair Kit Exp 9/2002
- Gas Leak Detector 4 oz. Jar
- 1/2 Case Sodium Bicarbonate 10/07/09- exp.
- Grabber Tool
- 2 Plastic Shovels
- 1 Whisk Broom
- 2 1LB Cont. Green Stuff
- 3 Yellow disposal bags
- 3 Scoop

D) Bottom Shelf

- 2 Pails Speedy Dry
- 1 Scoop
- Spare Pails
- Garbage Bags
- Stergo Absorbent
- Honda 2000 Generator Light Oil Level_____ Fuel Level_____
- Mercury Vapor Powder w/ scoop

VII. L-4 Compartment

- 6 Confined Space SAR Air Packs w/pass alarms
- 2Scott Boxes (3 packs & 3 packs) with one extended strap
- 3 Gear Bags w/ Air Lines 2 -100', 2- 50'
- 1 Pelican Box w/ 24 Light Sticks Exp_____
- 2 Extender Strap in Scott Box
- 1 Red Gear bag with 4 spare regulators and masks (1 Small,1 Medium, 2 Large)

VIII. L-5 Compartment

A) Shelves

1 Orange Bag w/ Air Bag Hoses- 2 Red & 2 Blue
1 Air Bag Controller w/hoses
4 Air Bags (13 ton, 2-2.5 ton, 1 ton)
Plywood Plates
Air Chisel and Air Drill w/Bits
Ajax Air Hammer
Paratech Regulator 135 psi
Hoses
Mud flaps
Canvas Bag with belly patch air bags
Canvas bag w/ Air line/tool adapters

B) Floor

Scott Air Cart
Air Source Cart
26 and 34 Ton Air Bags

IX. L-6 Compartments (Belly)

2 Air Bags (34, 42 ton)
1 Plywood Board

X. R-5 Compartment

1 Electric Hurst Pump and reel with hose
1 Tool Bag (Duct Tape, various tools, glass punch + cutter, seat belt cutter)
1 Gray Box Maintenance Tools
1 Yellow Box of RAM Attachments
1 Red Box Hurst Airbag Safe
1 Power Hawk Ram
1 Hurst Multi-Tool
1 Large Ram 60 and 1 Small Ram 30
2 Portable Gas Power Unit
1 T-32 Jaws
1 O Cutter
1 Gas Can for Hurst Tool (1 gallon – E – ¼ - ½ - ¾ - Full)
1 L Bracket
4 4” X 4” Composite Chocks

XI. R-4 Compartment

A) Top Shelf

1 Craftsman Tool Bag (missing 1 Torx Wrench)
1 Craftsman Sockets + Wrench Kit
1 Tool Bag A+ (Bonding Cable in Bag A)
1 Tool Bag Non-Sparking, with 24” non-sparking crowbar
1 One Bag Wire Ties 29’’
1 Tool Bag B
1 Water Valve Bag

B) Bottom Shelf

Elevator Keys
Electric Sawzall w/ goggles
Dewalt Battery Tools-Drill & Sawzall –battery changed_____
½" Drill
Circular Saw w/goggles (Goggles missing)
Pipe Clamps + Plugs

XII. <u>R-3 Compartment</u>

A) Top Shelf

Metal Plate
Wood Cribbing
Plywood Plates

B) Middle Top

Plastic Cribbing
Step Chocks Plastic Large

C) Middle Bottom

Paratech Struts and Bases

D) Bottom

Cargo Strap Bag
Shark Chocks Large/Small
Safeway Slings and J Hooks

XIII. <u>R-2 Compartment</u>

Tool Boards:

A) Bolt Cutters - 1 large – 1 small
B) Flathead Axe + Haligan
C) 12 lb maul + pry bar
D) Folding Hand Truck
E) K Tool

Top Shelf

Plunger
Auger Bit
6 Slim Jims
1 Hand saws
2 Floor Pullers

#2 Shelf

6 Goggles & Foam Ear Plugs
1 Green Bag (Spare Blades for K950/K950,Shoulder Strap)
Tool Box for K12 and K950
Bottle Jack & Handle

#3 Shelf

1 Gal. Gas can– For all saws Fuel Level ¼ ½ ¾ F

1 K-12 Partner Saw (Metal)

#4 Shelf

1 K-950

XIV. R-1 Transverse Top Shelf

Milk Crate w/ 3 Helmets
Bag of Chaffing Rollers
LSP – Halfback (Yellow Bag)
Rope Bag #3 (Rope # 08-01 300'Blue/White)
Rope Bag #4 (Rope # 08-02 Dark Red Rope 300')
Rope Bag # 6 (Rope 400' White/Blue)
Primary Team (Black Bag) Red Tape(Missing Light on Helmet)
Secondary Team (Black Bag) Yellow Tape
2 Accessory Bag Green/Blue & Green/Yellow
Life Line Bag with Harnesses

Transverse Shelf

Stokes Basket (Yellow Tape)	**SKED (Red Tape)**
Rope Bag#5 (Rope# 03-05 Tan 250')	4:1 Mech Adva Bag (Red/BlueTape)
Belay Bag (Yellow/Orange Tape)	Belay Bag (Red/Orange Tape)
Secondary Safety (Yellow/Brown Tape)	
Patient Packaging Bag #1	Primary Safety Bag (Red/Brown Tape)
Horizontal Bridle Bag (Rope Bridle)	Patient Package Bag # 1
Tripod w/Chain	Carabiner Pole (yellow)

Bottom Shelf

3 45 min Scott Bottles
3 60 min Scott Bottles
3 Tarps- Blue
2 Tarps- Orange
1 Traffic Sign and Quad Stand
1 Valve Key
1 Manhole Cover Tool

XV. Inside Walk In

Left Side:

Compartment 1: Top Shelf:

TIF Leak Detector
APD 2000- (6 Filter Tips)
TIF Combustible Gas Detector
Drager CMS Analyzer
Airborne Vapors/Gases from thermal decomposition chart
Re-occupancy clearance levels chart
(4) AA size Batteries
The following chips are inventory
(2) Nitrogen Dioxide 0,5…25PPM
(3) Hydrochloric Acid 1...25PPM
(1) AmmoniaK 2...50PPM
(1) AmmoniaK 100……..2000PPM
(1) Phosphine 1…25PPM
(2) Phosgene Open 0,052PPM
(2) Ethanol 100....2500PPM
(3) Ozone (1)opened 25…1000PPM
(2) Carbon Monoxide 5..150PPM
(1) Chlorine 0,2…10PPM
(3) Vinyl Chloride 0,3….10PPM
(1) Hydrogen Sulfide 20...500PPM

(2) Hydrocyanic Acid 2…..50PPM

Plastic box w/ Sampling Containers/ Sampling Hose
M–8 Paper CM 9 Paper
Litmus paper
Palm Rad Meter
BADD Kit (10) Exp. Date:_____
Ahura Meter Ahura Test Vials

Bottom Shelf:

Haz Mat ID Accessories Haz Mat ID Kit
Rope Rescue Manual Bio Terrorism Guide
Hazmat Injuries NIOSH Pocket Guide to
Condensed Chemical Dictionary Chemical Hazards
2008 DOT ERG Handbook of Hazardous
Chemical/Nuclear Terrorism Guide Materials (2008)
Coast Guard Books Chemical Research ("C.H.R.I.S") 5 books
Chemical Synonyms/ Trade Names Gas Data Book
Fire Protection Guide on Hazardous Materials 7th ed. (1978)
Smiths- Smiths Detector-Jane's Chem-Bio Handbook

Shelf between Compartments 1 and 2

800 FRES Radio
800 Brookhaven Town Fire Marshal Radio
4 HT Portables with charger 4-1, 4-2, 4-3, 4-4
Charging Units
1 Multi-Gas Solaris Meter (no calibration date)
1 Spare Dewalt Battery
Spare Batteries & Chargers

Shelf between Compartments 2 & 3:

Zistos Camera
APR Kits

Compartment 3:

2 First Aid bags
Oxygen Bag – _____ PSI
AED Adult Pads_____ Ped. Pads_____
5 Packs Disposable Splints
1 Adult BVM
1 Bag of Straps

Items with Expiration Dates:

Sterile Water _____
Glutose _____

Left Rear Shelf:

3 Pipe Plugs

Right Side:

Compartment 1: Bottled Water
Personnel privacy kits
Rubber Shoe Covers
Pens and Pads

4 Chest Harness
Assorted Wipes
1 Chem Tape
1 Duct Tape
Belly Patch Kit (On top of Compartment)

Between Compartments 1 and 2:
3 Cases Entrylink Camera
1 reel with 500ft of Cable

Compartment 2 (Top Shelf)
3 Face shield frames
3 Face shields
6 Goggles
4 Ear protectors
Box of N-95 Masks

(Bottom Shelf)
Assorted gloves
Plastic garbage bags

Above Compartments 2 & 3 are:
2 Long Board (1 wooden w/Reeves Sleeve)
1 Folding Stretcher

Shelf between compartments 2 and 3:
2 MCI Bags
1 Oregon Spine Splint
1 KED in Black Bag
1 Reeves Sleeve Accessory Bag

Compartment 3:
1 Infectious Control P.P.E. Face Mask
6 Medical Gloves 2 Box 3M-8210 Face Masks
PCR & Triage Tag Book 1 Spider Strap
3 Disposable Blankets Bio-Hazard Bags
1 Pack of Disposable Head Beds 2 Sani Cloth Wipes Can
1 Set of Head Blocks
Cervical Collars

Right Rear Shelf:
Mini Hurst Tool Power Unit

In Front of/ On/ Next to Seat:
2 Long Handle Shovel
1 Backboard (Plastic)
5 Brooms
1 Spades
2 Squeegees
1 Little Giant Ladder
1 Confined Space Entry/ Exit Ladder
1 Ajax Tool
1 Hurst Mini Cutters and Hand Pump-On Bench Seat

Under Seat:

1 Entrylink Tripod
1 Exhaust Hose for Car 1
1 Sheetrock Hook
1 3/8 Kernmantle rope (Blue)

Under Compartments 2 & 3:

1 Ladder 14'
2 Entrylink Tripods
2 Backboard-(wood)

XVI. Cab Officer Seat

Officer Seat:

1 SCBA 60 min pack Scan _____
Suffolk County Atlas
DOT Emergency Response Guide (2008)
Radioactive Material Shipment Reference
Rigging Hand Book
Accident report forms under seat
Cab Jack Handle next to seat
Safety Reflectors
Intermediate Rope Rescue Book
Confined Space Rescue Book
Holmatro Rescuers Guide to Vehicle Safety Systems
Yellow Tape

REMARKS:

Inspector: _____ Date: _____

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ES-7
UTILITY
FORD

March 22, 2011

Compartment 1

Glove Box

ERG 2008 Book
Radio Books
Ford Owners Guide
Accident Report Form
Can Of Tick Spray
Vehicle Registration Card(Missing)
Pkg. Valve Seals

Open Area

Suffolk County Atlas
Traffic vest

Bench Seat

County Mobile Radio F1 radio check: _____
BNL Mobile Radio
Sheet Barcode stickers

Compartment 2

2A

2 Spanner Wrenches
1 Hydrant Wrench
4 Storz Wrench
2 P.I.V Handles
Ratchet Set
Pliers and Screw Driver Set
Box XL Gloves
Box L Gloves
Roll Rag on roll
Roll Paper towels
Rubber Mallet
1 Roll Fire Line tape
1 Spray Bottle Rust Blaster

2B

Utility Bag
2 bags Tie Wrap
McCarthy Disc
Pkg. Valve seals
Sheet BNL Labels
Garbage Bags
Gloves
Brush
10 Extinguisher Hooks
Medical Bag

Drain Covers 24x24
Drain Cover 18x18

	Box Booms
Can	Yellow Paint Spray
Can	Red Paint Spray
1 Box	Black garbage bags

Compartment 3

3A

11	Absorbent Drip Pans

3B

Pillow

3C

Oil Drop Pads
2 1LB. Cont. Green Stuff
1 Whisk Broom

Compartment 4

Assorted Pig Socks
Assorted Absorbent Pads
Plugs 2", 3", 4"
Chem Tape

Compartment 5 (Comp. Broken) reported to Capt.

2	17 lbs ABC Fire Ext
	30 lbs Amerex Class D ext with Cone
	Wheel chocks

Compartment 6

	Shovel
2	Brooms
3	Over pack Drum with Power Sorbs Pads
	5 Gallon Buckets of Speedy Dry
	20 Gallon Container of Speedy Dry
	Oil Spill Kit
	Acid Spill Kit
	Valve Key

Metal Detector (In garage when not in use)
2 Empty 5 gallon buckets with Lids

Compartment 7

3	Green Cones

Compartment 8

8B

Drain Cover 36x36
Drain Cover 42x42

Compartment 9

9A.

1.5 rolls	Caution Tape
	Heavy Duty Hitch
	1 Box L Gloves.

9B

Box	XL Nitrile Gloves-In Plastic Storage Box
Box	H-95 face masks-In Plastic Storage Box
Box	H-95 face masks
Pail	1 Stergo, 5 gal.

Compartment 10

10A

	24” Crow Bar
	Large Bolt Cutter
	Gas Boy
2	Manhole hook

10B

Honda Light Generator 1000 Fuel Level: _____

REMARKS:

INSPECTOR: **DATE:**