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LETTER REGARDING INCIDENT PREVENTION PLAN FOR JAMAICA ISLAND LANDFILL
REPAIR NSY PORTSMOUTH ME
9/10/1997
FOSTER WHEELER ENVIRONMENTAL CORPORATION



FOSTER WHEELER ENVIRONMENTAL CORPORATION

September 10, 1997

Naval Facilities Engineering Command
Northern Division
10 Industrial Highway
Mail Stop #82
Lester, PA 19113
Attn. Mr. Fred Evans

Subject: US NAVY CONTACT NO. N62472-94-D-0398
PORTSMOUTH NAVAL SHIPYARD, DELIVERY ORDER I010
INCIDENT PREVENTION PLAN FOR THE JAMAICA ISLAND
LANDFILL REPAIR

Dear Mr. Evans,

Foster Wheeler Environmental Corporation is pleased to submit the attached Incident Prevention Plan (IPP) for the activities that will be conducted during the repair of the Jamaica Island Landfill (JILF). The IPP describes the potential hazards and/or health risks that may be encountered during this activity and protective measures and controls that can be employed.

If you have any questions or comments, please do not hesitate to call me at (215) 702-4076.

Very Truly Yours,

A handwritten signature in cursive script, appearing to read 'Steve Lager'.

for Daniel Kopcow, P.E.
Delivery Order Manager

Attachment

cc: A. Aziz, FWENC
M. Raymond, NSY Portsmouth
D. Sullivan, FWENC
S. Tagert, FWENC
G. Wallace, NSY Portsmouth, ROICC
File

FOSTER WHEELER ENVIRONMENTAL CORPORATION

INCIDENT PREVENTION PLAN

1. GENERAL INFORMATION

Client Name: US NAVY Project Name: JILF Cap Repair
 Project Location: PORTSMOUTH NAVAL SHIPYARD Job Number: 1284-I010
 Project Manager: DANIEL KOPCOW, P.E.

2. PROJECT TASKS, POTENTIAL HAZARDS, AND CONTROL MEASURES

Task(s)	Potential Safety and Health Hazard(s)	Control Measure(s)
Excavation of 12" of soil.	Struck By	See Attached AHA.
Placement of Woven Geotextiles	Heavy Lifting Slip/Trips/Falls	See Attached AHA.
Placement of Rip/Rap	Pinch/smash/caught between Heavy lifting Slips/Trips/Falls	See Attached AHA
Refueling	Spills Fire	Caution when fueling. Do not over fill. Keep absorbant pads near fueling area. No Smoking during fueling,
	Emergency Situations	Hospital Map Route is Located in the HASP in the Site Vehicle
	Communications	Cell Phone is Available for Emergency Calls Site Vehicle.

3. EMERGENCY INFORMATION

Location of emergency facilities: See Original HASP.
 Emergency notification procedures: See Original HASP.
 Type of alarm: Verbal, Air Horn if Necessary.
 Evacuation routes and rally point: Move to the open grass area inside of the HOUSE

Attach additional information as necessary

4. INCIDENT PREVENTION PLAN SIGNATURES

Prepared by: *Steve Lager* Date: 9/10/97
 Approved by: *Gregory Cypri* Date: 9/10/97

5. INCIDENT PREVENTION PLAN SIGNATURES

I have read and reviewed this HASP for the JILF Repair and understand the information presented. I will comply with the provisions contained therein.

Name: _____ Signature and Date: _____

ACTIVITY HAZARD ANALYSIS

Project: PORTSMOUTH NAVAL SHIPYARD
 Activity: EXCAVATE 12-INCHES OF SOIL

Location: Kittery, Maine

MAJOR STEPS	POTENTIAL HAZARDS	PROTECTIVE MEASURES/CONTROLS
1. Mobilize and set up for excavation(Hazards and Controls 1-11 apply)	1. Back Injuries	1. Site personnel will be instructed on proper lifting techniques; Mechanical devices should be used to reduce manual handling of materials; team lifting should be utilized if mechanical devices are not available; Instruct personnel on proper lifting techniques.
2. Remove 12 inches of soil with rubber tire excavator (Hazards and Controls 3-12 apply)	2. Slips/Trips/Falls	2. Maintain work areas safe and orderly; unloading areas should be on even terrain; mark and repair if possible tripping hazards.
	3. Vehicular Traffic	3. Spotters will be used when backing up trucks and heavy equipment and moving equipment
	4. Overhead Hazards	4. Personnel will be required to wear hard hats that meet ANSI Standard Z89.1
	5. Dropped Objects	5. Steel toe boots meeting ANSI Standard Z41 will be worn
	6. Noise	6. Hearing protection will be worn with a noise reduction rating capable of maintaining personal exposure below 85 dBA (ear muffs or plugs); SHSO will determine the need for hearing protection; all equipment will be equipped with manufacturer's required mufflers
	7. Eye Injuries	7. Safety glasses meeting ANSI Standard Z87 will be worn during excavation and soil sampling operations
	8. Heavy Equipment (rollovers, overhead hazards, spills, struck by or against)	8. Equipment will have rollover protective structures and seat belts; operators shall wear seat belts when operating equipment; do not operate equipment on grades which exceed manufacturer's recommendations; equipment will have guards, canopies or grills to protect from flying objects; ground personnel will stay clear of all suspended loads; all slings chains and ropes will be rated for the load in which it is expected to lift; spills and absorbent materials will be readily available; drip pans, polyethylene sheeting or other means will be used for secondary containment; eye contact with operators will be made before approaching equipment; equipment will not be approached on blind sides; avoid equipment swing areas; know hand signals; all equipment will be equipped with backup alarms.
	9. Fire	9. ABC type fire extinguishers shall be readily available; No smoking in work area
	10. Spills	10. Spill and absorbent materials will be readily available.
	11. Pinch/Cut/Smash	11. Cut resistant work gloves will be worn when dealing with sharp objects; all hand and power tools will be maintained in safe condition; guards will be kept in place while using hand and power tools

ACTIVITY HAZARD ANALYSIS

Project: <u>PORTSMOUTH NAVAL SHIPYARD</u>		Location: <u>Kittery, Maine</u>
Activity: <u>EXCAVATE 12-INCHES OF SOIL</u>		
MAJOR STEPS	POTENTIAL HAZARDS	PROTECTIVE MEASURES/CONTROLS
	12. Excavation	12. All underground utilities will be identified and dig safe numbers will be logged; any excavation four feet and deeper will be monitored for oxygen, combustible gases, and toxic atmospheres prior to personnel entry. Foster Wheeler and USACE excavation procedures will be followed; excavated areas will be barricaded to prevent field personnel from falling into the open area; protective systems (sloping, benching or shoring) to prevent trench/excavation cave-in will be affected in excavations greater than five feet in depth, or if deemed necessary by a competent person; all trenching/excavation will be in accordance with the provisions of 29 CFR 1926 Subpart P; smoking or open flames will not be allowed near work areas, if open flames must be used, procedures outlined in the SHSP for hot work will be followed.
EQUIPMENT USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
<ol style="list-style-type: none"> 1. Excavator 2. Level D PPE 3. First Aid Kits 4. Portable Eyewash 5. Fire Extinguishers 	<ol style="list-style-type: none"> 1. Inspections will be performed on fire extinguishers. 2. Inspections will be performed on first aid kits. 3. Initial inspections will be performed on heavy equipment prior to each use. 4. Portable eye wash will be inspected prior to use. 	<ol style="list-style-type: none"> 1. Personnel have read and comply with IPP. 2. Site specific training 3. Qualified operators will be used for heavy equipment operation 4. Instruct personnel on proper use of fire extinguishers 5. At least 1 individual on-site will have current CPR and First aid training

ACTIVITY HAZARD ANALYSIS

Project: PORTSMOUTH NAVAL SHIPYARD
 Activity: PLACING WOVEN GEOTEXTILES

Location: Kittery, Maine

MAJOR STEPS	POTENTIAL HAZARDS	PROTECTIVE MEASURES/CONTROLS
1. Placing Woven Geotextiles	1. Back Injuries	1. Site personnel will be instructed on proper lifting techniques; Mechanical devices should be used to reduce manual handling of materials; team lifting should be utilized if mechanical devices are not available; Instruct personnel on proper lifting techniques.
	2. Slips/Trips/Falls	2. Maintain work areas safe and orderly; unloading areas should be on even terrain; mark and repair if possible tripping hazards.
	3. Dropped Objects	3. Steel toe boots meeting ANSI Standard 41 will be worn
	4. Eye Injuries	4. Safety glasses meeting ANSI Standard 87 will be worn during excavation and soil sampling operations.
	5. Pinch/Cut/Smash	5. Cut resistant work gloves will be worn when using sharp objects; all hand and power tools will be maintained in safe condition; guards will be kept in place while using hand and power tools
EQUIPMENT USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
1. Level D 2. First Aid Kits 3. Portable Eyewash	1. Inspections will be performed on fire extinguishers. 2. Inspections will be performed on first aid kits. 3. Portable eye wash will be inspected prior to use.	1. Personnel have read and comply with IPP. 2. Site specific training 3. At least 1 individual on-site will have current CPR and First aid training

ACTIVITY HAZARD ANALYSIS

Project: PORTSMOUTH NAVAL SHIPYARD

Location: Kittery, Maine

Activity: PLACE RIP / RAP, STONE , AND TOP SOIL ON WOVEN GEOTEXTILES

MAJOR STEPS	POTENTIAL HAZARDS	PROTECTIVE MEASURES/CONTROLS
1. Unload and place Rip/Rap or Crushed Stone or Top Soil on Woven Geotextile.	1. Back Injuries	1. Site personnel will be instructed on proper lifting techniques; Mechanical devices should be used to reduce manual handling of materials; team lifting should be utilized if mechanical devices are not available; Instruct personnel on proper lifting techniques.
	2. Slips/Trips/Falls	2. Maintain work areas safe and orderly; unloading areas should be on even terrain; mark and repair if possible tripping hazards.
	3. Vehicular Traffic	3. Spotters will be used when backing up trucks and heavy equipment and moving equipment
	4. Overhead Hazards	4. Personnel will be required to wear hard hats that meet ANSI Standard Z89.1
	5. Dropped Objects	5. Steel toe boots meeting ANSI Standard Z41 will be worn
	6. Noise	6. Hearing protection will be worn with a noise reduction rating capable of maintaining personal exposure below 85 dBA (ear muffs or plugs); SHSO will determine the need for hearing protection; all equipment will be equipped with manufacturer's required mufflers
	7. Eye Injuries	7. Safety glasses meeting ANSI Standard Z87 will be worn during excavation and soil sampling operations
	8. Heavy Equipment (rollovers, overhead hazards, spills, struck by or against)	8. Equipment will have rollover protective structures and seat belts; operators shall wear seat belts when operating equipment; do not operate equipment on grades which exceed manufacturer's recommendations; equipment will have guards, canopies or grills to protect from flying objects; ground personnel will stay clear of all suspended loads; all slings chains and ropes will be rated for the load in which it is expected to lift; spills and absorbent materials will be readily available; drip pans, polyethylene sheeting or other means will be used for secondary containment; eye contact with operators will be made before approaching equipment; equipment will not be approached on blind sides; avoid equipment swing areas; know hand signals; all equipment will be equipped with backup alarms.
	9. Fire	9. ABC type fire extinguishers shall be readily available; No smoking in work area
	10. Spills	10. Spill and absorbent materials will be readily available.
	11. Pinch/Cut/Smash	11. Cut resistant work gloves will be worn when dealing with sharp objects; all hand and power tools will be maintained in safe condition; guards will be kept in place while using hand and power tools

ACTIVITY HAZARD ANALYSIS

Project: PORTSMOUTH NAVAL SHIPYARD

Location: Kittery, Maine

Activity: PLACE RIP / RAP, STONE, AND TOP SOIL ON WOVEN GEOTEXTILES

MAJOR STEPS	POTENTIAL HAZARDS	PROTECTIVE MEASURES/CONTROLS
	12. Excavation	12. All underground utilities will be identified and dig safe numbers will be logged; any excavation four feet and deeper will be monitored for oxygen, combustible gases, and toxic atmospheres prior to personnel entry. Foster Wheeler and USACE excavation procedures will be followed; excavated areas will be barricaded to prevent field personnel from falling into the open area; protective systems (sloping, benching or shoring) to prevent trench/excavation cave-in will be affected in excavations greater than five feet in depth, or if deemed necessary by a competent person; all trenching/excavation will be in accordance with the provisions of 29 CFR 1926 Subpart P; smoking or open flames will not be allowed near work areas, if open flames must be used, procedures outlined in the SHSP for hot work will be followed.
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