

Activity Hazard Analysis (AHA)

Activity/Work Task	01 50 00– Mobilization/Temp Facilities	Overall Risk Assessment Code (RAC) (Use highest code)					L
AHA Signature Log #							
Project Location	Durham Meadows Superfund Site; Durham, Connecticut	Risk Assessment Code (RAC) Matrix					
Contract Number	EP-S1-06-01	Probability					
Date Prepared	6/24/19	Severity	Frequent	Likely	Occasional	Seldom	Unlikely
SSHO Signature		Catastrophic	E	E	H	H	M
Superintendent Signature		Critical	E	H	H	M	L
QC Manager Signature		Marginal	H	M	M	L	L
Subcontractor Foreman Name:		Negligible	M	L	L	L	L
Signature:		Step 1: Review each Hazard with identified safety					
QA Reviewed by (Name/Title)		"Controls". Determine RAC (see above).					RAC CHART
Notes: (Field Notes, Review Comments, etc.)	Probability: Likelihood the activity will cause a Mishap (Near Miss, Incident, or Accident). Identify as Frequent, Likely, Occasional, Seldom or Unlikely		E = Extremely High Risk				
	Identify as Catastrophic, Critical, Marginal, or Negligible		H = High Risk				
	Step 2: Identify the RAC (probability vs. severity) as E, H, M, or L for each "Hazard" on AHA.		M= Moderate Risk				
	Annotate the overall highest RAC at the top of the AHA		L = Low Risk				

Job Steps	Hazards	Controls	RAC
1.General Worker Safety	Head Injury Eye irritants and injuries Toe Injury Hazard Abrasion Cuts Dehydration Hazards Biological hazards Cross-contamination (work and food particulates)	<ol style="list-style-type: none"> All personnel shall wear hard hat, safety glasses and Safety Toed Boots. All shall follow SAMEs' Accident Prevention Plan and the EM 385 1-1 Properly stocked First Aid kit will be onsite CPR/first aid trained personnel will be onsite Potable water and first aid will be provided. Restrooms and sanitation facilities will be available for onsite personnel 	L

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2. Install Traffic Control	Vehicle struck by Hazard Caught between	Vehicles and equipment must be appropriately used according to manufacturer instructions. Proper signage, barriers, and other devices are to be in accordance with DOT, NAVFAC and local regulations for the degree of hazard shall be utilized. Utilize standard DOT traffic signaling when operations affect traffic	L
3. Mobilize Infrastructure	Vehicle struck by Hazard Caught between	All hazardous areas must be appropriately marked and barricaded as necessary. Vehicles and equipment must be appropriately used according to manufacturer instructions.	L
4 Stage Materials, Tools & Equipment	Tripping hazard Vehicle struck by Hazard Caught between Environmental contamination hazard Shock Hazards Electrocution Hazards Lifting Hazards Roll Over Hazard Stuck by	The job site must be cleaned frequently to avoid tripping hazards and falls. All faulty equipment must be tagged and removed from the job site immediately. All hand tools that require electricity must be double insulated. Existing conditions must be taken into account as overhead hazards must be cited and recorded. All material must be properly disposed of. Lift with legs not back. All non-hazardous materials must be stored in an organized and safe manner. Spill Kit Onsite and available All Equipment required by manufacturer to have ROPS shall have ROPS and be maintained and in place. Operate equipment on grades where rollover hazards are negligible Workers shall stand away from vehicles being loaded or unloaded to avoid being struck by spillage or falling materials. Accessible areas within the swing radius of the rear of the equipment's rotating superstructure, either permanently or temporarily mounted, shall be barricaded to prevent an employee from being struck or crushed by the crane and hoisting equipment.	L

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<p>5. Install Utilities</p>	<p>Tripping hazard Vehicle struck by Hazard Caught between Environmental contamination hazard Shock Hazards Electrocution Hazards Lifting Hazards Roll Over Hazard Cuts Stuck by Digging Confined Space</p>	<p>The job site must be cleaned frequently to avoid tripping hazards and falls. Workers shall stand away from vehicles being loaded or unloaded to avoid being struck by spillage or falling materials. Excavating or hoisting equipment shall not be allowed to raise, lower, or swing loads over or adjacent to personnel in the excavation without substantial overhead protection. Personnel shall maintain a safe distance from hoisting operation until the load has been placed. Employees exposed to public vehicular traffic shall be provided with, and shall wear, high visibility apparel as per EM 385 1-1 Section 05 F. Operate equipment on grades where rollover hazards are negligible All hand tools that require electricity must be double insulated. All material must be properly disposed of. Lift with legs not back. All non-hazardous materials must be stored in an organized and safe manner. All Equipment required by manufacturer to have ROPS shall have ROPS and be maintained and in place. Excavations shall be backfilled as soon as possible. Upon completion of exploration and similar operations, test pits, temporary wells, calyx holes, etc., shall be backfilled immediately. Spill Kit Onsite and available. Protection shall be provided to prevent personnel, vehicles, and equipment from falling into excavations. Protection shall be provided according to EM 385 1-1 Section 25-6. The sides of all excavations in which employees are exposed to danger from moving ground shall be guarded by a support system, sloping or benching of the ground, or other equivalent means if greater than 4 feet in depth.</p>	<p style="text-align: center;">L</p>
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		<p>Appropriate atmospheric testing and monitoring equipment necessary to assure safe entry and that safe entry conditions are maintained; Methods and locations for egress. All underground lines/utilities (communication lines, water, fuel, electric lines) shall be located and protected from damage or displacement.</p>	
6. Install Gravel Driveways	<p>Vehicle struck by Hazard Caught between Environmental contamination hazard Roll Over Hazard Stuck by</p>	<p>Roadways shall have a crown and ditches for drainage. Water shall be intercepted before reaching a switch back or large fill and be led off Haul roads shall be constructed to widths suitable for safe operation of the equipment at the travel speeds proposed by the Contractor and accepted by the GDA. All roads, including haul roads, shall be posted with maximum speed limits. An adequate number of turnouts shall be provided on single lane roads with two-way traffic. When turn-outs are not practical, the Contractor shall provide a traffic control system to prevent accidents. Traffic control lights, barricades, road markings, signs, and signalpersons for the safe movement of traffic shall be provided in accordance with the DOT Federal Highway Administration's "Manual on Uniform Traffic Control Devices" and EM 385 section 4-4. All vehicles/equipment shall be inspected on a scheduled maintenance program in accordance with EM 385 1-1 section 18-2. Back-up alarms shall be audible and sufficiently distinct to be heard above the surrounding noise level. Fuel tanks shall be located in a manner that will not allow spills or overflows to run onto engine, exhaust, or electrical equipment</p>	L

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Equipment to be Used	Training Requirements/Competent or Qualified Personnel name(s)	Inspection Requirements
Semi-Truck and Trailer. Backhoe Dump Truck Skid Steer Hand tools – hammer, wrench, shovel, rake, etc. Portable power tools – drills, bandsaw, reciprocating saw, sprayers Temporary power supplies – generators, GFCIs, extension cords	Competent Person – OSHA 30-Hour Construction Training	All vehicles/equipment shall be inspected on a scheduled maintenance program in accordance with EM 385 1-1 section 18-2. All faulty equipment must be tagged and removed from the job site immediately. All hand tools that require electricity must be double insulated. All Equipment required by manufacturer to have ROPS shall have ROPS and be maintained and in place. Hand and power tools shall be inspected, tested, and determined to be in safe operating condition before use. Continued daily inspections shall be made to assure safe operating condition and proper maintenance. Power tools shall be of a manufacturer listed by a nationally recognized testing laboratory for the specific application for which they are to be used.

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Instructions for completing Contractor Activity Hazard Analysis

1. **Activity/Work Task** – Insert work/task this AHA is written for i.e. excavation, scaffold building, foundation preparation.
2. **PWO/OICC/ROICC** – Insert name of Public Works Office, Officer In Charge of Construction Office or Resident Officer in Charge of Construction (PWD/OICC/ROICC)
3. **Enter name & date AHA accepted by Government Designated Authority (GDA)**
4. **Enter contract number**
5. **Enter Task order or Delivery order number**
4. **Enter Prime Contractors name**
7. **Enter Subcontractors name**
8. **Enter date preparatory meeting was held**
9. **Enter date initial inspection was performed**
10. **Enter name of contractor competent person on site for this activity**
11. **Enter name of Prime Contractor Site Safety and Health Officer**
12. **Level of government person responsible for accepting the AHA, progressive signatures as level of risk increases.**
13. **Overall Risk Assessment code is highest code assigned to any Job step after Hazards are assessed and Controls have been assigned**
14. **Schedule number is activity number from production daily reports**
15. **AHA number is the sequential number of all AHA's for this contract.**
14. **Job steps is the complete sequence of work, not general statements to complete the entire activity**
17. **Hazards is the known safety risks associated with completing the task**
18. **Controls is the safety measures in place to reduce the hazard to the lowest level possible**
19. **Risk Assessment code is where Severity and Probability intersect, place that letter E, H, M, or L in the RAC column**
20. **List all equipment to be used to complete this activity i.e. crane, backhoe, vehicle, all heavy equipment**
21. **List the training requirements required by EM 385, Safety Spec 01354 or OSHA that apply to this task.**
 - List competent person(s) required for specific tasks in EM 385
 - List qualified person(s) required for specific tasks in EM 385
 - List CPR/First Aid training and qualification dates
22. **List all inspection requirements of EM 385, Governmental Safety Requirements Specifications or OSHA 29 CFR 1924**
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