

APPENDIX I
SAFETY CHECKLISTS

1. SAD Form 1437a-R (dated Mar 97), "Safety Survey Checklist for Floating Plant, General Requirements." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be made of each major piece of floating plant (dredge, derrick boat, fuel barge, tug, etc.) prior to the start of each contractor project when floating plant is used. SAD Form 1437a-R, "Safety Survey Checklist For Floating Plant," will be used to record this survey before any item of floating plant is placed into use. This survey will be conducted by qualified government employees for hired labor operations. A qualified contractor employee shall complete the survey on contractor operations, but in all cases, the survey will be spot checked by a qualified government representative. Government owned floating plant shall be inspected annually pursuant to paragraphs 7-8.a. and 7-8.b. of ER 1130-2-500 and paragraph 7-14.a. of EP 1130-2-500.

b. A copy of the completed form shall be filed in the government project office and the contractor's project office until the particular project has been completed. Safety deficiencies noted during the check will be corrected before equipment is permitted to start work.

c. In the event that a piece of floating plant is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another survey shall be made and another SAD Form 1437a-R will be completed for that piece of floating plant.

2. SAD Form 1437b-R (dated Mar 97), "Safety Checklist for Launches, Motorboats and Skiffs." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted for each launch, motorboat or skiff prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 1a. above.

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b. A copy of the completed checklist shall be filed with the government project office and contractor project office until the project is completed. All deficiencies noted during the inspection will be corrected prior to the equipment be placed in service at the job site.

c. In the event that a piece of equipment is involved in an accident or experience a breakdown requiring major repairs, another survey shall be performed using SAD Form 1437b-R for each piece of equipment.

3. SAD Form 1666a-R (dated Mar 97), "Safety Checklist for Crawler, Truck and Wheel Mounted Cranes." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety inspection shall be made of each crawler, truck or wheel mounted crane prior to the start of contractor operations, when such piece of equipment is to be used. SAD Form 1666a-R, "Safety Checklist for Crawler, Truck and Wheel Mounted Cranes," will be used to record the result of this inspection on government-hired labor projects and the government hired labor project engineer shall conduct a spot inspection of contractor equipment. Government-hired labor or maintenance projects shall be inspected annually.

b. An SAD Form 1666a-R shall be completed by a qualified contractor employee and provided to the government prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666a-R.

c. In the event that a piece of mobile heavy equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666a-R will be updated for that piece of equipment.

d. In the event that a piece of mobile heavy equipment is involved in an accident or experiences a breakdown requiring

major repairs during the project or contract, another inspection shall be made and the SAD Form 1666a-R will be updated for that piece of equipment.

4. SAD Form 1666b-R (dated Mar 97), "Safety Checklist for Portal, Tower, and Pillar Cranes." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666b-R for each portal, tower or pillar crane prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666b-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666b-R.

c. In the event that a piece of mobile heavy equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666b-R will be updated for that piece of equipment.

5. SAD Form 1666c-R (dated Mar 97), "Safety Checklist for Rigging." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666c-R for each piece of rigging prior to the start of the contract when rigging equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666c-R shall be completed prior to the use of the Rigging. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being

placed into use and the notation of such correction made on the SAD Form 1666c-R.

c. In the event that a piece of rigging equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666c-R will be updated for that piece of rigging.

6. SAD Form 1666d-R (dated Mar 97), "Safety Checklist for Motor Vehicles, Trailers and Trucks." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666d-R for each motor vehicle, truck, or trailer prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666d-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666d-R.

c. In the event that a piece of equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666d-R will be updated for that piece of equipment.

7. SAD Form 1666e-R (dated Mar 97), "Safety Checklist for Crawler Tractors and Dozers." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666e-R for each crawler tractor and dozer prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666e-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666e-R.

c. In the event that a piece of equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666e-R will be updated for that piece of equipment.

8. SAD Form 1666f-R (dated Mar 97), "Safety Checklist for Scrapers, Motor Graders, and Other mobile Equipment." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666f-R for each Scraper, motor grader or miscellaneous piece of equipment prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666f-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666f-R.

c. In the event that a piece of equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666f-R will be updated for that piece of equipment.

9. SAD Form 1666g-R (dated Mar 97), "Safety Checklist for Material Hoists." A copy of this form is enclosed at the end of this appendix for your reference.

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a. A safety survey shall be conducted using SAD Form 1666g-R for each material hoist prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666g-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666g-R.

c. In the event that a piece of equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666g-R will be updated for that piece of equipment.

10. SAD Form 1666h-R (dated Mar 97), "Safety Checklist for Earth Drilling Equipment." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using SAD Form 1666h-R for each piece of earth drilling equipment prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. An SAD Form 1666h-R shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the SAD Form 1666h-R.

c. In the event that a piece of equipment is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the SAD Form 1666h-R will be updated for that piece of equipment.

11. CESAJ Form 1261 (dated Jul 98), "Safety Checklist for Tree Work, Maintenance or Removal Operations." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1261 for each operation involving tree work, maintenance or removal prior to the start of the contract when these operations will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. A CESAJ Form 1261 shall be completed prior to the operation. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular operation being performed and the notation of such correction made on the CESAJ Form 1261.

c. In the event that the operation is involved in an accident during the project or contract, another inspection shall be made and the CESAJ Form 1261 will be updated for that operation.

12. CESAJ Form 1262 (dated Jul 98), "Safety Checklist for Temporary Electrical Wiring." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1262 for each temporary electrical wiring scheme prior to the start of the contract when these pieces of temporary wirings will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. A CESAJ Form 1262 shall be completed prior to the use of temporary electrical wiring. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular temporary wiring being placed into use and the notation of such correction made on the CESAJ Form 1262.

c. In the event that a temporary electrical wiring scheme is involved in an accident or experiences a breakdown requiring

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major repairs during the project or contract, another inspection shall be made and the CESAJ Form 1262 will be updated for that piece of temporary electrical wiring.

13. CESAJ Form 1263 (dated Jul 98), "Safety Checklist for Power Bench Tools." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1263 for each power bench tool scheme prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. A CESAJ Form 1263 shall be completed prior to the use of the equipment. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the CESAJ Form 1263.

c. In the event that a power bench tool is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the CESAJ Form 1263 will be updated for that piece of equipment.

14. CESAJ Form 1264 (dated Jul 98), "Safety Checklist for Portable Electric Handtools." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1264 for each portable electric handtool prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. A CESAJ Form 1264 shall be completed prior to the use of portable electric handtools. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of

equipment being placed into use and the notation of such correction made on the CESAJ Form 1264.

c. In the event that a portable electric handtool is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the CESAJ Form 1264 will be updated for that piece of equipment.

15. CESAJ Form 1265 (dated Jul 98), "Safety Checklist for Portable Air Compressors." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1265 for each portable air compressor prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

b. A CESAJ Form 1265 shall be completed prior to the use of portable air compressors. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the CESAJ Form 1265.

c. In the event that a portable air compressor is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the CESAJ Form 1265 will be updated for that piece of equipment.

16. CESAJ Form 1266 (dated Jul 98), "Safety Checklist for Pile Drivers." A copy of this form is enclosed at the end of this appendix for your reference.

a. A safety survey shall be conducted using CESAJ Form 1266 for each pile driver prior to the start of the contract when these pieces of equipment will be used on-site. The survey will be completed by qualified personnel in accordance with the provisions of paragraph 2b. above.

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b. A CESAJ Form 1266 shall be completed prior to the use of pile drivers. A copy of the completed form shall be maintained in the government project office and in the official contract file. Safety deficiencies noted on the inspection shall be corrected prior to that particular piece of equipment being placed into use and the notation of such correction made on the CESAJ Form 1266.

c. In the event that a pile driver is involved in an accident or experiences a breakdown requiring major repairs during the project or contract, another inspection shall be made and the CESAJ Form 1266 will be updated for that piece of equipment.

SAFETY CHECKLIST FOR FLOATING PLANT			
Contract # and title:			
Contractor:		Subcontractor:	
Plant Name:		Owner:	
Superintendent:		Captain:	
Engineer:		Number in crew:	
Contract inspector:		Date inspected:	
	Yes	No	N/A
1. Is a copy of the current USCG Form 835 available for plants regulated by USCG? (19.A.01)			
2. Is documentation of an accredited marine surveyor (SAMS or NAMS) available for non USCG inspected plants? (19.A.01)			
3. Do all officers and crew possess an appropriate USCG license or USACE license and certification? (19.A.02)			
4. Are periodic inspections and test records of all floating plant, equipment, and machinery available as part of the official project file? (19.A.01)			
5. Is there a severe weather plan which contains the following available? (19.A.03)			
a. a description of potential types of severe weather hazards and steps to guard against the hazards?			
b. the time frame for implementing the plan?			
c. the name and location of the safe harbor?			
d. the name of the vessels which will be used to move any non-self propelled plant, and their type, capacity, speed, and availability?			
e. river gage readings at which floating plant must be moved away from dams, river structures, etc., to safe areas?			

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	Yes	No	N/A
6. Is the station bill conspicuously posted throughout the vessel? (19.A.04)			
7. Has each crew member been given a written description of their emergency duties and are they familiar with them? (19.A.04)			
8. Have the following drills and tests been recorded in the station log? (19.A.04) a. abandon ship drill? b. fire drill? c. man overboard drill? d. pump shell or pipe rupture? e. hull failure? f. emergency power and lighting tests? g. bimonthly emergency power generator tests? h. bimonthly emergency lighting storage batteries tests?			
9. Are material safety data sheets (MSDSs) available for all hazardous materials on board? (06.B.01)			
10. Are employees trained to handle hazardous materials? (06.B.01)			
11. Are at least two employees on each shift certified in CPR and first aid? (03.A.02)			
12. Is there a first aid log at each first aid station? (01.D.04)			
13. Are first aid kits located in a readily accessible location and adequately stocked? (03.B.01 & .02)			
14. Is there an adequate supply of approved, potable drinking water available? (02.A.01)			
15. Are outlets dispensing non-potable water clearly marked "Water Unfit for Drinking, Washing or Cooking"? (02.A.07)			
16. Are the proper numbers of toilets, washbasins and showers provided? (02.B.06 & .07)			

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17. Are water, soap, and a means of drying available? (02.C.02)	Yes	No	N/A
18. Is the latest information published by the USCG regarding aids to navigation available on board the vessel? (19.A.11)			
19. Is the vessel equipped with: (19.A.05) <ul style="list-style-type: none"> a. fenders? b. axes or other emergency cutting equipment? c. an appropriate navigational signal device? d. general alarm system operated from primary electrical system with standby batteries on trickle charge? e. easily accessible emergency controls that are adequately protected against accidental operation? f. explosion-proof lights around gasoline and oil barges or other locations where a fire or explosive hazard exists? g. interconnected emergency alarms? h. smoke alarms in living quarters? i. doors that open from both sides? j. clearly marked emergency exits? k. emergency stops for prime movers operating a dredge pump? l. GFCI protection on grounded 120 or 240 volt systems in toilet/shower spaces, galley, machinery spaces, weather deck, exterior or near any sinks? m. properly maintained and identified water tight compartments? 			
20. Fuel systems: (19.A.06) <ul style="list-style-type: none"> a. Are tanks or lines free of gauge glasses or try cocks? b. Do all fuel tanks have shutoff valves that can be operated outside the compartment in which the tank is located and outside the engine compartment and outside the house bulkheads at or above the weather deck? c. Is there a shut off valve at the engine end of the fuel lines that are 6 feet or more in length and can it be operated from outside the house bulkheads at or above the weather deck? overboard discharge?			

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	Yes	No	N/A
d. Are all carburetors on gasoline engines equipped with a backfire trap or flame arrestor?			
e. Are all carburetors (except downdraft type) equipped with a drip pan, with flame screen, which is continuously emptied by suction from the intake manifold or if permitted by the overboard discharge?			
f. Are fuel storage tanks diked or curbed IAW NAVFAC DM-22? If not are portable tanks used IAW USCG requirements in 46CFR Parts 64 and 98.3?			
21. Are cables which cross the waterways between floating plants or between plant and mooring marked? (19.A.07)			
22. Is there a fire and emergency warning system (or an established fire watch) on all vessels where people are quartered? (19.A.07)			
23. Are all floors, decks, and bilge's free of accumulation of fuel and grease? (19.A.07)			
24. Are there holdbacks or rings available to secure equipment during rough weather? (19.A.07)			
25. Are all deck openings, elevated surfaces, and similar locations provided with guardrails, bulwarks, or taut cable guardlines? (19.A.07)			
26. Are all rotating machinery, hot pipes, and moving cables guarded against accidental contact? (16.B.03)			
27. Are hazardous energy control procedures available to insure that machinery will not be operated while greasing or making repairs? (12.A.01 & 16.A.08)			
28. Are decks free of tripping hazards? or dequately marked in yellow? (19.A.07)			
29. Is all deck cargo carried on fuel barges placed on dunnage? (19.A.07)			
30. Are all pieces of floating plants operating as one unit securely fastened together with no openings(or with guarded openings)? (19.A.07)			
31. Is there a list of confined spaces available? (19.A.08)			

	Yes	No	N/A
32. Are all permitted required confined spaces labeled? (19.A.08)			
33. Are engine spaces housing internal combustion engines having electric spark ignition systems equipped with exhaust fans? (19.A.10)			
34. Are all machinery spaces and non-diesel fuel tanks compartments equipped with at least 2 ventilators, fitted with fans? (19.A.10)			
35. Are the following spaces provided with an adequate natural ventilation system? (19.A.10) a. spaces containing a portable fuel tank? b. living spaces or galley? c. other compartment spaces?			
36. Do vent intakes extend to within 1 foot of the bottom of the compartment? (19.A.10)			
37. Is suitable eye protection provided at battery charging stations? (05.B.01 & .05)			
38. Are eye wash stations provided at battery charging stations? (6.B.02)			
39. Are flammable items such as paint and thinners properly stored? (9.B)			
40. Are gasoline and other flammable liquids properly stored, dispensed, and handled? (09.B.01-.30)			
41. Does all electrical wiring meet requirements of USCG-259, the National Electrical Safety Code and the National Electric Code? (11.A.01)			
42. Are insulated mats provided at locations where machinery has exposed live parts? (11.A.07)			
43. Are switch and transformer banks adequately protected and marked to keep unauthorized personnel out of the danger area? (11.A.02)			
44. Are portable electric tools grounded by a multiconductor cord with an identified conductor and a multicontact polarized plug-in receptacle? (11.C.01)			

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	Yes	No	N/A
45. Are ground fault circuit interrupters provided in locations where portable tools could be used? (11.C.05)			
46. Are flexible cords protected in work area, appropriately secured or suspended and are they used for appropriate useages. (11.A.03 and Table 11-1?)			
47. Are all means of access properly secured, guarded and free of slipping and tripping hazards? (19.B.01)			
48. Are all working decks, stair treads, ship ladders, platforms, catwalks, and walkways, provided with non-slip surfaces? (19.B.01)			
49. Are grab bars provided on the sides of super structure of tugs, tenders, and launches except where railings are present? (19.B.01)			
50. Are double rung or flat tread type Jacob's ladders restricted to use only when no safer form of access is practical? (19.B.01)			
51. Is there a safe means for boarding or leaving the vessel? (19.B.02)			
52. Is there a stairway, ladder, ramp, gangway, or personnel hoist provided at all personnel points of access with breaks of 19" or more in elevation? (19.B.02)			
53. Are gangways and ramps: (19.B.02) a. secured at one end by at least one point on each side with lines or chains to prevent overturning? b. supported at the other end in such a manner as to support them and their normal loads in the event they slid off their supports? c. placed at an angle no greater than that recommended by the manufacturer? d. provided with a standard guardrail?			
54. Are stairs or permanent inclined ladders provided for vertical access between decks? (9.B.03)			

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	Yes	No	N/A
55. Is there at least 2 feet of clearance on outboard edges used for passageways? (19.B.3)			
56. Is the vessel equipped with at least one portable or permanent ladder with which to rescue a person in the water? (19.B.04)			
57. Are there at least 2 means of escape from all assembly, sleeping and messing areas on the plant? (19.B.04)			
58. Are all means of access maintained safe and functional? (19.B.04)			
59. Are all floating pipelines used as walkways equipped with a walkway which is at least 20" wide and has a handrail on at least one side? (19.B.05)			
60. Are floating pipelines that are not intended as walkways barricaded on both ends?(19B.05)			
61. Are positive measures taken to raise and secure the ladder and to block suction and discharge lines during maintenance on pumps and suction or discharge lines? (19.D.01)			
62. Do floating or trestle supported dredge pipelines display the following lights at night and in periods of restricted visibility: (19.D.02) a. One row of yellow lights that : (1) flash 50-70 times per minute? (2) are visible all around the horizon? (3) are visible for at least 2 miles on a clear night? (4) are between 3-10 feet above the water? (5) are approximately evenly spaced? (6) are not more than 30 feet apart where the pipeline crosses a navigable channel? (7) are sufficient in number to clearly show the pipeline's length and course? b. two red lights at each end of the pipeline (including ends in a channel where the pipeline is separated to allow vessels to pass) that: (1) are visible all around the horizon? (2) are visible for at least 2 miles on a clear dark night? (3) are 3 feet apart in a vertical line with the lower light at the same height above the water as the flashing yellow light?			

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	Yes	No	N/A
63. Is the dredge designed such that a failure or rupture of any dredge pump component including the pipe shall not cause the dredge to sink? (19.D.04)			
64. Is submerged pipeline resting on the bottom where it crosses the navigation channel and is it and the anchoring system no higher than the required project depth? (19.D.03)			
65. Is buoyant or semi-buoyant pipeline fully submerged and on the bottom? (19.D.03)			
66. Is raised pipeline adequately marked? (19.D.03)			
67. Is a bilge alarm or shutdown interface available on any dredge with the dredge pump below the waterline? (19.D.07)			
68. Are two positive means available to secure "stone boxes" when the boxes are under positive pressure? (19.D.08)			
69. Remarks: (Enter actions taken for "no" answers.)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

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SAFETY CHECKLIST FOR CRAWLER, TRUCK & WHEEL MOUNTED CRANES			
Contract # and title:			
Equipment name & number: owned or leased?			
Contractor:		Subcontractor:	
Contract Inspector:		Date inspected:	
	Yes	No	N/A
1. Unless the manufacturer has specified an on-rubber rating, outriggers will be fully extended and down? (16.D.10)			
2. Are lattice boom cranes equipped with a boom angle indicator, load indicating device, or a load moment indicator? (16.D.01)			
3. Are lattice boom and hydraulic cranes equipped with a means for the operator to visually determine levelness? (16.D.02)			
4. Are lattice boom and hydraulic cranes, except articulating booms cranes, equipped with drum rotation indicators located for use for the operator? (16.D.03)			
5. Are lattice boom and hydraulic mobile cranes equipped with a boom angle or radius indicator within the operator's view? (16.D.04)			
6. Are lattice boom cranes, with exception of duty cycle cranes, equipped with an anti-two blocking device? (16.D.05)			
7. When duty cycle machines are required to make a non-duty lift, is the crane equipped with an international orange warning device and is a signal person present? (16.D 05)			
8. Are the following with the crane at all times: (16.C.02)			
a. the manufacturer's operating manual?			
b. the load rating chart?			
c. the crane's log book documenting use, maintenance, inspections and tests?			
d. operating manual for crane operator aids used on the crane.			

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	Yes	No	N/A
9. Are the following on the project site: a. completed periodic inspection report prior to initial work? (16.C.12) b. pre-operational checklist used for daily inspection? (16.C.12) c. written reports of the operational performance test? (16.C.13) d. written reports of the load performance test? (16.C.13)			
10. Are all operators physically qualified to perform work? (16.C.05)			
11. Are all operators qualified by written and practical exam or by appropriate licensing agency for the type crane they are to operate? (16.C.05)			
12. Is the crane designed and constructed IAW the standards listed in Table 16-1? (16.C.06)			
13. Is a hazard analysis for set-up and set-down available? (16.C.08)			
14. Are accessible areas within the swing radius of the rear of the crane barricaded? (16.C.09)			
15. Are there at least 3 wraps of cable on the drum? (16.C.10)			
16. Are the hoisting ropes installed IAW the manufacturer's recommendations? (16.C.10)			
17. Are critical lift plans available? (16.C.18)			
18. Are minimum clearance distance for high voltage lines posted at the operator's position? (11.E.04)			
19. Do older lattice boom cranes with anti-two block warning devices in lieu of anti-two block prevention devices have a written exemption? (16.D.05)			
20. Is the slow moving emblem used on all vehicles which by design move at 25 MPH or less on public roads? (08.A.04)			
21. Are all vehicles which will be parked or moving slower than normal traffic on haul roads equipped with a yellow flashing light or flasher visible from all directions? (16.A.13)			

	Yes	No	N/A
22. Is all equipment to be operated on public roads provided with: (16A.07) a. headlights? b. brake lights? c. taillights? d. back-up lights? e. front and rear turn signals?			
23. Are seat and seat belts provided for the operator and each rider on equipment? (16.A.07 and 16.B.08)			
24. Is all equipment with windshields equipped with powered wipers and defogging or defrosting devices? (16.A.07)			
25. Is the glass in the windshield or other windows clear and unbroken to provide adequate protection and visibility for the operator? (16.A.07, 16.B.10)			
26. Is all equipment equipped with adequate service brake system and emergency brake system? (16.A.18)			
27. Are areas on equipment where employees walk or climb equipped with platforms, footwalks, steps, handholds, guardrails, toeboards and non-slip surfaces? (16.B.03)			
28. Is all self propelled equipment equipped with automatic, audible, reverse signal alarms? (16.B.01)			
29. Is there a record of manufacturer's approval of any modification of equipment which affects its capacity or safe operation? (16.A.18)			
30. Are truck and crawler cranes attached to a barge or pontoon by a slack tiedown system? (16.F.06)			
31. Have the following conditions been met for land cranes mounted on barges or pontoons: (16.F.04) a. Have load ratings been modified to reflect the increased loading from list, trim, wave, and wind action? b. Are all deck surfaces above the water? c. Is the entire bottom area of the barge or pontoon submerged? d. Are tie downs available? e. Are cranes blocked and secured?			
32. Are all belts, gears, shafts, spindles, drums, flywheels, or other rotating parts of equipment guarded where is a potential for exposure to workers? (16.B.03)			

	Yes	No	N/A
33. Is the area where the crane is to work level, firm and secured? (16.A.10)			
34. Is a dry chemical or carbon dioxide fire extinguisher rated at least 5-B:C on the crane? (16.A.26)			
35. Are trucks, for truck mounted cranes, equipped with a working reverse signal alarm? (16.B.01)			
36. Is a signal person provided where there is danger from swinging loads, buckets, booms, etc.? (16.B.13)			
37. Is there adequate clearance from overhead structures and electrical sources for the crane to be operated safely? (16.C.09)			
38. Is there adequate lighting for night operations? (16.C.19)			
39. Has the the boom stop test on cable-supported booms been performed? (16.D.06)			
40. Is the boom disenaging device functioning as required? (16.D.06)			
41. Has all rigging and wire rope been inspected? (Section 15)			
Remarks: (Enter actions taken for all no answers.)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

SAFETY CHECKLIST FOR PORTAL, TOWER, AND PILLAR CRANES			
Contract # and Title:			
Equipment name & number: owned or leased?			
Contractor:		Subcontractor:	
Contract Inspector:		Date Inspected:	
	Yes	No	N/A
1. Are the following available: (16.E.02)			
a. written erection instructions?			
b. listing of the weight of each component?			
c. an activity hazard analysis for the erection?			
d. does the activity hazard analysis contain			
(1.) location of crane and adjacent			
structures?			
(2.) foundation design and construction			
requirements?			
(3.) clearance and bracing requirements?			
2. Is there a boom angle indicator within the			
operator's view? (16.E.04)			
3. Are luffing jib cranes equipped with: (16.E.05)			
a. shock absorbing jib stops?			
b. jib hoist limit switch?			
c. jib angle indicator visible to operator?			
4. If used, do rail clamps have slack between the			
point of attachment to the rail and the end fastened			
to the crane? (16E.06)			
5. Are the following with the crane at all times:			
(16.C.02)			
a. the manufacturer's operating manual?			
b. the load rating chart?			
c. the crane's log book documenting use,			
maintenance, inspections and tests?			
d. the operating manual for crane operational			
aids used on the crane?			

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	Yes	No	N/A
6. Are the following on the project site: a. completed periodic inspection report prior to initial work? (16.C.12) b. pre-operational checklist used for daily inspections? (16.C.12) c. written reports of the operational performance tests? (16.C.13) d. written reports of the load performance tests? (16.C.13)			
7. Is every crane operator certified by a physician to be physically qualified to perform work? (16.C.05)			
8. Are all operators qualified by written and practical exam or by appropriate licensing agency for the type crane they are to operate? (16.C.05)			
9. Is the crane designed and constructed IAW the standards listed in Table 16-1? (16.C.05)			
10. Is a hazard analysis for set-up and set-down available? (16.C.08)			
11. Are there at least 3 wraps of cable on the drum? (16.C.10)			
12. Are the hoisting ropes installed IAW the manufacturer's recommendations? (16.C.10)			
13. Is there a record of manufacturer's approval of any modification of equipment which affects its capacity or safe operation? (16.A.07)			
5. Remarks: (Enter actions taken)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

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SAFETY CHECKLIST FOR RIGGING			
Contract # and title:			
Equipment name & number: owned or leased?			
Contractor		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
1. Has all defective rigging been removed? (15.A.01)			
2. Is rigging stored properly? (15.A.01)			
3. Are running lines within 6.5' of the ground or working level guarded? (15.A.03)			
4. Are all eye splices made in an approved manner with rope thimbles? (sling eyes excepted) (15.A.04)			
5. Are positive latching devices used to secure loads? (15.A.05)			
6. Are all custom lifting accessories marked to indicate their safe working loads? (15A.07)			
7. Are all custom designed lifting accessories proof-tested to 125% of their rated load? (15.A.07)			
8. Are the following conditions met for wire rope: (15.B.01-09)			
a. Are they free of rust or broken wires?			
b. Are defective ropes cut up or marked as unusable?			
c. Do rope clips attached with U-bolts have the U-bolts on the dead end or short end of the rope?			
d. Are protruding ends of strands in splices on slings and bridles covered or blunted?			
e. Except for eye splices in the end of wires and for all endless wire rope slings, are all wire ropes used in hoisting, lowering, or pulling loads one continuous piece, free of knots or splices?			

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	Yes	No	N/A
<p>f. Do all eye splices have at least 5 full tucks? g. If used, are wedge sockets fastening attached without attached the dead end of the wire rope to the live rope? h. Are they free of eyes or splices formed by wire rope clips or knots?</p>			
<p>9. Are the following conditions met for chain? (15.C.01-04) a. Are all chains alloyed? b. Do all coupling links or other attachments have rated capacities at least equal to that of the chain. c. Are makeshift fasteners restricted from use?</p>			
<p>10. Are the following conditions met for fiber rope: (15.D.01-07) a. Are all ropes protected from freezing, excessive heat or corrosive materials? b. Are all ropes protected from abrasion? c. Are splices made IAW manufacture's recommendations? d. Do all eye splices in manila rope contain at least 3 full tucks and do all short splices contain at least 6 full tucks (3 on each side of the centerline of the splice)? e. Do all splices in layed synthetic fiber rope contain at least 4 full tucks and do short splices contain at least 8 full tucks (4 on each side of the centerline of the splice)? f. Do the tails of fiber rope splices extend at least 6 rope diameters (for rope 1 1/2 diameter or greater) past the last full tuck? g. Are all eye splices large enough to provide an included angle of not greater than 60* at the splice when the eye is placed over the load or support?</p>			
<p>11. Are the following conditions met for all slings: (15.E.01-06) a. Is protection provided between the sling and sharp surfaces? b. Do all rope slings have minimum clear length of 40 times the diameter of component ropes between each end fitting or eye splice? c. Do all braided slings have a minimum clear length of 40 times the diameter of component ropes between each end fitting or eye splice?</p>			

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	Yes	No	N/A
d. Do all welded alloy steel chain slings have affixed permanent identification stating size, grade, rated capacity and manufacturer? e. Is each synthetic web sling marked or coded to identify its manufacturer, rated capacities for each type hitch and the type material?			
12. Are drums, sheaves, and pulley smooth and free of surface defects? (15.F.01)			
13. Is the ratio of the diameter of the rigging and the drum, block sheave or pulley thread diameter such that the rigging will adjust without excessive wear, deformation, or damage? (15F.02)			
14. Have all damaged drums, sheaves and pulleys been removed from service? (15.F.04)			
15. Are all connections, fittings, fastenings, and attachments of good quality, proper size and strength, and installed IAW manufacturer's recommendations? (15.F.05)			
16. Are all shackles and hooks sized properly? (15.F.06 & .07)			
17. Are hoisting hooks rated at 10 tons or greater provided with safe handling means? (15.F.07)			
18. Do all drums have sufficient rope capacity? (15.F.08)			
19. Is the drum end of the rope anchored by a clamp securely attached to the drum in a manner approved by the manufacturer? (15.F.08)			
20. Do grooved drums have the correct groove pitch for the diameter of the rope and is the groove depth correct? (15.F.08)			
21. Do the flanges on grooved drums project beyond the last layer of rope at a distance of either 2 \times or twice the diameter of the rope, whichever is greater? (15.F.08)			
22. Do the flanges on ungrooved drums project beyond the last layer of rope a distance of either 2.5 \times or twice the diameter of the rope, which ever is greater.			

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	Yes	No	N/A
23. Are the sheaves compatible with the size of rope used and as specified by the manufacture? (15F.09)			
24. Are sheaves properly aligned, lubricated, and in good condition? (15.F.09)			
25. When rope is subject to riding or jumping off a sheave, are sheaves equipped with cablekeepers? (15.F.09)			
26. Are eye bolts loaded in the plane of the eye and at angles less than 45* to the horizontal? (15.F.10)			
27. Remarks: (Enter actions taken for ❖ no❖ answers.)			
Contractor inspector signature			
Contractor QC/safety/project manager signature			

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SAFETY CHECKLIST FOR MOTOR VEHICLES , TRAILERS AND TRUCKS			
Contract # and title: owned or leased?			
Equipment name & number:			
Contractor:		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
1. Are records of safety inspections of all vehicles available? (18.A.02)			
2. Are all vehicles to be operated between sunset and sunrise equipped with: (18.A.04)			
a. 2 headlights?			
b. taillights and brake lights?			
c. front and back turn signals?			
d. 3 emergency flares, reflective markers, or equivalent portable warning devices?			
3. Are vehicles, except trailers or semi-trailers having a gross weight of 5000 lbs or less, equipped with service brakes and manually operated parking brakes? (18.A.05)			
4. Are service brakes on trailers and semitrailers controlled from the driver's seat of the prime mover? (18A.06)			
5. Does the vehicle have: (18.A.06)			
a. a speedometer?			
b. a fuel gage?			
c. an audible warning device (horn)?			
d. a windshield & adequate windshield wiper?			
e. an operable defroster and defogging device?			
f. an adequate rearview mirror?			
g. a cab, cab shield, and other protection to protect the driver from the elements and falling or shifting materials?			
h. non-slip surfaces on steps?			
I. a power-operated starting device?			

	Yes	No	N/A
6. Is all the glass safety glass and is all broken or cracked glass replaced? (18.A.07)			
7. Do trailers meet the following: (18A.08) a. Are all towing devices adequate for the weight drawn? b. Are all towing devices properly mounted? c. Are locking devices or a double safety system provided on every 5th wheel mechanism and tow bar arrangement to prevent accidental separation? d. Are trailers coupled with safety chains or cables to the towing vehicle? e. Are trailers equipped with the power brakes equipped with a break-away device which will lock-up the brakes in the event the trailer separates from the towing vehicle?			
8. Are all dump trucks: (18.A.10) a. equipped with a holding device to prevent accidental lowering of the body? b. equipped with a hoist lever secured to prevent accidental starting or tipping? c. equipped with means to determine (from the operator's position) if the dump box is lowered? d. equipped with trip handles for tailgates that allow the operator to be clear?			
9. Are all buses, trucks and combination of vehicles with a carrying capacity of 1.5 tons or more, to be operated on public roads equipped with: (18.A.11) a. 3 reflective markers? b. 2 wheel chocks for each vehicle? c. at least one 2A:10B:C fire extinguisher? d. at least two properly rated fire extinguishers (for vehicles carrying flammable cargo)? e. a red flag not less than 1 foot square.			
10. Is vehicle exhaust controlled so as not to present a hazard to personnel? (18.A.13)			
11. Are all rubber tired motor vehicles equipped with fenders or with mud flaps if the vehicle is not designed for fenders? (18.A.14)			

	Yes	No	N/A
12. Are all vehicles, except buses, equipped with seat belts? (18.B.02)			
13. Does all self-propelled construction and industrial equipment have a working reverse signal alarm? (16.B.01)			
14. Are all hot surfaces of equipment, including exhaust pipes or other lines, guarded or insulated to prevent injury or fire? (16.B.03)			
15. If an off the road vehicle, is it equipped with rollover protective structures? (16.B.12)			
16. Remarks: (Enter actions taken for ❖ no❖ answers)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

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SAFETY CHECKLIST FOR CRAWLER TRACTORS AND DOZERS			
Contract # and title:			
Equipment name & number: owned or leased?			
Contractor:		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
1. Are initial and daily/shift inspection records available? (16.A.01& .02)			
2. Are only qualified operators assigned to operate mechanized equipment? (16.A.04)			
3. Are sufficient lights provided for night operations? (16.A.11)			
4. Is the unit shut down before refueling? (16.A.14)			
5. Does the unit have as a minimum a 5-B:C fire extinguisher? (16.A.26)			
6. Is there an effective, working reverse alarm? (16.B.01)			
7. Are moving parts, shafts, sprockets, belts, etc., guarded? (16.B.03 ,07, and 13)			
8. Is protections against hot surfaces, exhausts, etc., provided? (16.B.03 and .13)			
9. Are fuel tanks located in a manner to prevent spills or overflows from running onto engine exhaust or electrical equipment?			

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	Yes	No	N/A
10. Are exhaust discharges directed so they do not endanger person or obstruct operator vision? (16.B.05)			
11. Are seat belts provided? (16B.08)			
12. Is protection (grills, canopies, screens) provided to shield operator from falling or flying objects? (16.B.10 and .11)			
13. Is roll over protection provided? (16.B.12)			
14. Remarks: (Enter actions taken for no answers)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

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SAFETY CHECKLIST FOR SCRAPERS, MOTOR GRADERS, AND OTHER MOBILE EQUIPMENT			
Contract # and title:			
Equipment name and number: owned or leased?			
Contractor:		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
1. Are initial and daily/shift inspection records available? (16.A.01 & .02)			
2. Are only qualified operators assigned to operate equipment? (16.A.04)			
3. Are sufficient lights provided for night operations? (16.A.11)			
4. Does the unit have as a minimum a 5-B:C fire extinguisher? (16.A.26)			
5. Is there an effective working reverse alarm? (16.B.01)			
6. Is the unit shut down for refueling? (16.A.14)			
7. Are moving parts, shafts, sprockets, belts, etc., guarded? (16.B.03, .07 and .13)			
8. Is protection against hot surfaces, exhausts, etc., provided? (16.B.03 and .13)			
9. Are fuel tanks located in a manner to prevent spills or overflow from running onto engine exhaust or electrical equipment? (16.B.04)			
10. Are exhaust discharges directed so they do not endanger persons or obstruct operator vision? (16.B.05)			

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	Yes	No	N/A
11. Are seat belts provided for each person required to ride on the equipment? (16.B.08)			
12. Is protection (grills, canopies, screens) provided to shield operators from falling or flying objects? (16.B.10 and .11)			
13. Is roll over protection provided? (16.B.12)			
14. Is a safe means of access to the cab provided (steps, grab bars, non-slip surfaces)? (16.B.03)			
15. Are adequate head and tail lights provided? (16.A.07)			
16. Have brakes been tested and found satisfactory? (16.A.07)			
17. Does the unit have an emergency brake which will automatically stop the equipment upon brake failure? Is this system manually operable from the drivers position? (16.A.07)			
18. Is all equipment with windshields equipped with powered wipers and defogging or defrosting system? (16.A.07)			
19. Are all vehicles which will be parked or moving slower than normal traffic on haul roads equipped with a yellow flashing light or flasher visible from all directions? (16.A.13)			
20. Is the slow moving emblem used on all vehicles which by design move at 25 MPH or less on public roads? (08A.04)			

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	Yes	No	N/A
21. Have air tanks been tested and certified? (20.A.01)			
22. Is an air pressure gage in working condition installed on the unit? (20.A.12)			
23. Does the air tank have an accessible drain valve? (20.B.17)			
24. Remarks: (Enter action taken for all no answers)			
Contractor inspector signature			
Contractor QC/safety officer/project manager			

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SAFETY CHECKLIST FOR MATERIAL HOISTS			
Contract # and title:			
Equipment name & number:			
Contractor:		Subcontractor:	
Contract Inspector:		Date inspected:	
	Yes	No	N/A
1. Are all hoist towers, masts, guys or braces, counterweights, drive machinery supports, sheave supports, platforms, supporting structures, and accessories designed by a licensed engineer? (16.K.02)			
2. Is a copy of the hoist operating manual available? (16.K.04)			
3. Do all floors and platforms have slip-resistant surfaces? (16.K.08)			
4. Are landings and runways adequately barricaded and is overhead protection provided where needed? (16.K.08)			
5. Are hoisting ropes installed IAW manufacturer's instructions? (16.K.10)			
6. Are operating rules posted at the hoist operator's station? (16.K.14)			
7. Are air powered hoists connected to an air supply of sufficient capacity and pressure to safely operate the hoist? (16.K.15)			
8. Are pneumatic hoses secured by some positive means to prevent accidental disconnection? (16.K.15)			
9. Remarks: (Enter actions taken for all <input checked="" type="checkbox"/> no <input checked="" type="checkbox"/> answers.)			
Contractor inspector signature			
Contractor QC/safety officer/project manager signature			

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SAFETY CHECKLIST FOR EARTH DRILLING EQUIPMENT			
Contract # and title:			
Equipment name & number:			
Contractor:		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
1. Is a copy of the manual for all drilling equipment available? (16.M.01)			
2. Have all overhead electrical hazards and potential ground hazards been identified in a site layout plan and addressed in an activity hazard analysis? (16.M.02)			
3. Are MSDSs for all drilling fluids available? (16.M.05)			
4. Does the drilling equipment have 2 easily accessible emergency shut down devices (one for the operator and one for the helper)? (16.M.06)			
5. Is the equipment posted with a warning of electrical hazards? (16.M.06)			
6. Is there a spotter or an electrical proximity warning device available to ensure safe distances from power lines are maintained? (16.M.06)			
7. Remarks: (Enter actions taken for no answers)			
Contractor inspector signature			
Contractor QC/safety officer/project manager			

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Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

TEMPORARY ELECTRICAL WIRING

NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.

	Yes	No	N/A
1 Is the temporary wiring guarded, isolated by elevation, or buried so as to prevent accidental contact? (11.A.02)			
2 Are extension cords of the type listed by Underwriters Laboratories, Inc., for the purpose in which they are used? (11.A.03) See Table 11-1			
3 Are all switch boxes, receptacle boxes, metal cabinets, enclosures around equipment and temporary power lines marked to indicate the maximum operating voltage? (11.A.06)			
4 Are all circuits protected against overload? (11.B.01)			
5 Does each fuse cabinet have close fitting doors that can be locked? (11.B.01.e)			
6 Are disconnect boxes securely fastened to a surface and fitted with a cover? (11.B.02.b)			
7 Is the incoming service or supply circuit readily accessible and provided with a manually-operated switch? (11.B.03.a)			
8 Are all circuit breakers, switches, fuses marked or labeled identifying the circuits or equipment supplied through them? (11.B.04)			
9 Are all switches, circuits breakers, fuse panels, or motor controllers that are located out-of-doors or in wet locations in a weatherproof enclosure or cabinet? (11.B.05)			
10 Are all circuits grounded? In accordance with the NEC. (11.C.01)			
11 Are ground fault circuit interrupters installed in circuits used by portable electric tools? (11.C.05)			
12 Has a sketch been submitted and accepted for the proposed temporary power distribution system? (11.D.01)			
13 Is the vertical clearance above walkways 10-15 feet or more for circuits carrying 600 volts or less? (11.D.03)			
14 Do temporary light strings in outdoor or wet locations have lamp sockets and connecting plugs permanently molded to the hard service cord insulation? (11.D.04.b)			
15 Are all wires insulated from their supports? (11.D.05)			
16 Are guards provided for bulbs on temporary lighting strings and extension cords? (11.D.06.a)			
17 Are exposed empty light sockets or broken bulbs present? (11.D.06.c)			
18 Is portable electric lighting used in confined wet and/or hazardous locations operated at a maximum of 12 volts? (11.D.06.d)			
19 Is a plainly marked switch provided at or near the entrance to tanks or confined spaces where wiring is used? (11.D.07)			
20 Is any floating plant or equipment situated within 20 feet (6m) of an overhead transmission line? (11.E.06)			

REMARKS:

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

POWER BENCH TOOLS

		Yes	No	N/A
NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.				
1	Is eye, foot and other protective equipment, as needed, provided and use enforced? (05.A.08 & 05.B.01)			
2	Are adequate warning signs displayed? (08.A.01)			
3	Is the equipment always shutdown for adjustments and/or maintenance? (11.A.02.a.b)			
4	Is the power switch located so as to prevent accidental starting? (11.B.03.b)			
5	Are switches, fuses, and automatic circuit breakers marked, labelled, or arranged for ready identification of the circuits or equipment which they supply? (11.B.04)			
6	Are the circular rip saws equipped with guards that automatically and completely enclose the cutting edges, anti-kickback devices, and splitters? (13.C.01.a)			
7	Are electric powered tools properly grounded? (11.C.01.b)			
8	Is a copy of manufacturer's instructions and recommendations maintained with the tool? (13.A.02.a)			
9	Have the tools been inspected and tested prior to use? (13.A.02.a.b)			
10	Are the moving parts (shafts, beltdrives, spindles, etc.) safely guarded from accidental contact? (13.A.03.b)			
11	Is personal protective equipment used as outlined in section 6? (13.A.13)			
12	Are tool rests on power grinders more than 1/8" (0.3cm) from the wheel? (13.B.05)			
13	Have grinding wheels been ring-tested before mounting? Are damaged grinding wheels in use? (13.B.06)			
14	Are planer and jointer blades fully guarded? (13.C.01.c)			
15	Are band saws fully enclosed except at point of operation? (13.C.01.d)			
16	Are radial arm power saws equipped with an automatic brake? (13.C.04)			
17	Is a limit stop provided to prevent leading edge of radial and swing saws from traveling beyond the edge of the table? (13.C.06)			
18	Is a block, pushstick or other safe means provided for operations close to cutting edges? (13.C.08.b)			
19	Are brushes provided for removal of sawdust, chips, etc.? (13.C.08.d)			
20	Are lathes, metal saws, drills, etc. left unattended while still running? (13.C.08.e) NOTE: This could occur when working with heavy steel plates or large shafts. If so, this is a violation.			
21	Is good housekeeping practiced? (14.C and 14.D.01)			

REMARKS:

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

PORTABLE ELECTRIC HAND TOOLS

	Yes	No	N/A
NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.			
1 Is personal protective equipment provided for eyes, hands, feet, etc., and their use enforced? (05.A)			
2 Are flexible cords approved for that location? (11.A.03)			
3 Are flexible cords in continuous lengths without splices? (11.A.03.c.)			
4 Are flexible cords patched, cut, frayed, worn or oil soaked? (11.A.03.d.)			
5 Are portable and semi-portable electrical tools and equipment grounded by a multiconductor cord having an identified grounding conductor and multi contact polarized plug-in receptacle? (11.C.01.b)			
6 Are GFCI's provided on all circuits serving portable and semi-portable electric power tools? (11.C.05.a. & b)			
7 Are power hand tools inspected and tested and determined to be in safe operating condition before use? (13.A.02.b.)			
8 Are tools designed to accommodate guards supplied with them? (13.A.03.a.)			
9 When overhead work is being done, are means provided to prevent tools from falling? (13.A.04)			
10 Are only nonsparking tools used in locations where sources of ignition may cause a fire or explosion? (13.A.06)			
11 Safety guards shall be provided for all machines using an abrasive wheel. (13.B.01)			
12 Has a ring test been done on abrasive wheels before mounting? (13.B.06)			
13 Are circular saws equipped with guards that automatically enclose the blade? (13.C.01)			

REMARKS

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

PORTABLE AIR COMPRESSORS

Yes No N/A

NOTE: Corps of Engineers Safety and Health Requirements Manual (EM385-1-1) references are shown in parentheses.

1	Has inspection and performance test been completed. (20.A.01)			
2	Have the air tanks been hydrostatically tested and certified? (20.A.02)			
3	Are records of inspection and test available? (20.A.03)			
4	Does discharge from any valve create a hazard? (20.A.10)			
5	Is air pressure gauge in working order? (20.A.12)			
6	Is the tank equipped with a safety relief valve? (20.A.13)			
7	Is equipment that is subject to whipping or rotation, if released, provided with an automatic shut-off or dead-man control? (20.A.15)			
8	Are quick makeup connections secured with safety lashing? (20.A.16)			
9	Will the compressor automatically shut off before discharge pressure exceeds the maximum working pressure? (20.B.08)			
10	Is the compressor located so that flammables, toxic vapors, gases, dust, steam, water or waste will not be blown or drawn into intake? (20.B.09)			
11	No valve shall be installed in the air intake pipe of a compressor with an atmospheric intake. (20.B.10)			
12	Is the discharge piping from the compressor to the receiver as large as the discharge opening on the compressor? (20.B.11)			
13	Is there a convenient stop valve between the air tank and each stationary piece of equipment? (20.B.12)			
14	Are installation and location of air receivers as per 20.B.17?			
15	Does the air tank have an accessible drain valve? (20.B.18)			

16 REMARKS:

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

PILE DRIVERS

NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.

	Yes	No	N/A
1 Is the width of the hull of floating drivers at least 45% of the height of the leads above water? (16.L.07.a)			
2 If compressed air is used to activate hammer, have the air tanks been tested and certified? (20.C.05) Where steam is used, has the boiler been inspected and certified? (20.C.01-20.C.05)			
3 Are all boilers equipped with approved type water columns, gauge glass, and try cocks? (20.C.05)			
4 Is the boiler equipped with an approved blow-off valve? (20.C.06)			
5 Is insulation or guarding furnished for protection against hot surfaces, pipes, exhausts? (16.B.03.b)			
6 Are safety lashings provided on hose connections to jet pipes, hammers, pile ejectors? (16.L.05)			
7 When driving and handling steel piling, is a closed shackle or other positive means used which will prevent accidental disengagement? (16.L.08)			
8 Is a stop block provided to prevent the hammer from being raised against the head block? (16.L.02.d)			
9 Do the landings (platforms) have toe boards, guard rails? (16.L.02(1) NOTE: Landings or leads shall not be used for storage of any kind.			
10 Are swinging leads provided with fixed ladders? (16.L.02.a.(1))			
11 Do "dogs" automatically disengage when load is relieved or drum rotated? (16.L.03) THIS IS A VIOLATION.			
12 Are non-slip surfaces provided for work areas, passageways, stairs, etc.? (19.B.01.b.)			
13 Is adequate protection provided against contact with winch drums, gears, cables, and moving parts? (16.B.03.a)			
14 Does the air compressor tank have an accessible drain at its lowest point? (20.B.17.a & 20.B.18)			
15 Is the pressure gauge on the air-tank in good working condition? (20.A.12)			
16 Is the air-tank equipped with a sealed safety relief valve? (20.A.13 - 20.A.13.c.)			
17 Does discharge from blow-off valves (steam or air) create a hazard? (20.A.10)			
18 During fueling or servicing of compressor, is the motor stopped? (16.A.08)b)			
19 Is a properly equipped life saving skiff provided for floating driver or where work is over or near water? (05.J.01)			
20 Are sufficient work-vests available and used? (05.I.01)			
21 Are adequate fire extinguishers provided? (16.A.26) NOTE: 5-B:C MINIMUM			
22 Do at least two persons in crew hold a valid first-aid certificate? (03.A.02.a)			
23 Are adequate first-aid kits provided? (03.A.03)			
24 Are cables, fittings, etc. in good condition? (15.A.06 and 15.F)			

SAFETY CHECKLIST FOR HAUL ROADS				
Contract Number:		Contract Title:		
Contractor:		Subcontractor:		
Contract inspector:		Date inspected:		
<p>NOTE</p> <ul style="list-style-type: none"> • FOR HAUL ROADS THAT ARE WITHIN 100 FEET FROM CANALS OR OTHER BODIES OF WATER, ALSO FILL OUT CHECKLIST ITEMS 28 THROUGH 36 • REFERENCES IN PARENTHESIS PERTAIN TO THE SAFETY AND HEALTH REQUIREMENTS MANUAL (EM 385-1-1, 3 Nov 03) UNLESS OTHERWISE NOTED 				
HAUL ROADS - GENERAL		Yes	No	N/A
1. Are haul/access roads designed in accordance with current engineering criteria? (para 08.D.01, page 147)				
2. Has the contractor provided a copy of the access/haul road plan and Activity Hazard Analysis (AHA) to the government designated authority (GDA) for review and acceptance prior to construction? (para.08.D.01,page 147)				
3. Has the access/haul road plan been accepted by the GDA? Note: The access/haul road plan must be revised when additional haul and access road hazards are identified at the project site! (para. 08.D.01, page 148)				
4. Does the haul/access road plan address equipment usage, traffic density, hours of operation, road layout and widths, horizontal and vertical curve data, sight distances, sign and signalperson requirements, road markings, traffic control devices, drainage controls, points of contact between vehicles and the public, safety controls at these points of contact, maintenance requirements, including roadway hardness and smoothness and dust control and hazards adjacent to the road such as bodies of water, steep embankments, etc.? (para. 08.D.01.a-g, page 148)				

	Yes	No	N/A
5. Has the contractor submitted for acceptance the complete details of the proposed traffic control plan for the maintenance of traffic and access through the construction area? (para 08.C.07, page 147)			
6. Has the contractor coordinated with the GDA and obtained approval from local authorities prior to closing or restricting any roads? (08.C.06, page 147)			
7. Has the contractor developed and implemented a plan for monitoring speeding and other forms of reckless driving? Is the contractor using radar guns or other speed measuring devices? (08.C.05, page 147)			
8. Has the contractor inspected all contractor and subcontractor vehicles/mobile equipment using the inspection checklists, SAD Forms 1666-R, prior to the use of these vehicles and equipment at the project site to ensure they are fully operational and safe to drive? (para 16.A.01, page 291)			
9. Has the contractor corrected all safety deficiencies noted during the inspection prior to the equipment being placed in service at the project site? (para 16.A.01, page 291)			
10. Has the contractor trained his/her employees during employee orientations and toolbox meetings about recognizing and controlling haul/access road and canal hazards, using the haul/access road plans and AHA? (para 01.A.13.b, page 9)			
11. Do all drivers of vehicles/mobile equipment have the licenses or other proper documentation showing they are qualified to operate their vehicles/equipment? (para 16.A.04, page 292)			
12. Have berms, barricades, or curbs been constructed to prevent vehicles overrunning the edge or end of embankment when road levels are above working levels? Note: Berms/curbs shall be constructed to one-half the diameter of the tires of the largest piece of equipment using the roadway. (para. 08.D.03, p. 148)			
13. Do roadways have crowns and ditches for drainage so that water can be intercepted before reaching a switch back or large fill and be led off (para. 08.D.04, page 148)			
14. Is an adequate number of turn-outs provided on single lane roads with two-way traffic? (para. 08.D.07, page 149)			
15. When turn-outs are not practical, does the contractor provide a traffic control system to prevent accidents? (para. 08.D.07, page 149)			
16. Is a right-hand traffic pattern used on two-way haul roads? Note: This pattern shall be used whenever possible! (para. 08.D.08, page 149)			
17. Do curves have an open sight line and as great a radius as practical? (para. 08.D.09.a, page 149)			

	Yes	No	N/A
18. Is vehicle speed limited on curves so that vehicles can be stopped within one-half the visible distance of the roadway? (para. 08.D)			
19. Does the design of horizontal curves consider vehicle speed, roadway width and surfacing, and super elevation? (para. 08.D.09.c, page 149)			
20. Are truck haul roads kept to less than a 10% grade? (para. 08.D.10.b, page 149).			
21. Are barricades and construction work area warning signs placed around any work area adjacent to access or haul roads to prevent vehicles from entering the work area? (para. 08.C.03 & 07, page 147 and 08.D.12, page 150)			
22. When necessary, are machines equipped with retarders to assist in controlling downgrade decent? Note: This is based on grade and machine and load weight. (8.D.10.a, page 149)			
23. Is adequate lighting provided for all mobile equipment and the areas in which they are operating? (para. 08.D.11, page 150 & 16.A.11, page 294).			
24. Do all vehicles moving slower than normal traffic or parked have a yellow flashing light or four-way flashers visible from all directions? (16.A.13, page 194).			
25. Are traffic control lights, barricades, road markings, signs, and signalpersons provided for the safe movement of traffic in accordance with the Federal Highway Administration's "Manual on Uniform Traffic Control Devices" and EM 385-1-1? (para. 08.D.12, page 150)			
26. Is roadway hardness, smoothness, and dust control used to maintain the safety of the roadway? Is the roadway free of debris? (para. 08.D.13, page 150)			
27. Is the deposition of mud and other debris on <u>public roads</u> minimized to the extend possible and in accordance with local requirements? (para. 08.D.13, page 150)			
HAUL ROADS - CANALS & WATERWAYS			
NOTE			
THIS SECTION OF THE CHECKLIST (ITEMS 28 THROUGH 36) SHALL ALSO BE USED WHEN THE HAUL ROAD IS WITHIN 100 FEET FROM A CANAL OR OTHER BODY OF WATER			
28. Has the contractor submitted an access/haul road plan to the government designated authority (GDA) for review and acceptance prior to construction that identifies and provides control measures for canal hazards? (08.D.01.f., page 148)			

	Yes	No	N/A
29. Has the contractor submitted an Activity Hazard Analysis (AHA) to the government designated authority (GDA) for review and acceptance prior to construction that identifies each principal step, potential safety/health hazards, recommended controls, equipment to be used, inspection requirements, and training requirements? (08.D.01, page 147)			
30. Is the haul road designed for one-way traffic? Note: This should always be the case whenever possible! (Reference the Contract Specifications)			
31. Have sufficient hazard traffic signs and road construction signs been placed along each project road to remind drivers about the canal? Note: These signs shall include the following: a. Stop signs at the intersection of each road entering an access or haul road. b. Canal warning signs on each road adjacent to canals. c. Speed limit signs. Note: 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 government designated authority. In any case, maximum allowable speed on haul roads adjacent to canals shall be no greater than 35 miles per hour on straight-aways and less on curves, slopes, and at other places where there is on-coming traffic, construction work, and other activities warranting lower speed limits. d. Other signs as necessary to alert drivers about the canal. (para 08.A, page 137)(para 08.A.11 through 13, page 144)(para 08.C., page 147) (para. 08.D.05 & 06, page 149)(para. 08.D.12, page 150)			
32. Have barricades and canal warning signs been placed at points where vehicles approach the canal and are likely to enter the canal because of poor line of sight? (para. 08.D.12, page 150)			
33. Have barricades, signs, cones or safety barrels with flashing lights been placed between the canal and access or haul road? (para. 08.C.05 & 08.D.12).			
34. Have U-channel steel posts with highly visible flagging or reusable polypropylene fabric fencing been placed along the edge of each access or haul road adjacent to the canal? Note 1: the distance between flagging shall be no more than 200 feet or within the line of sight and shall be used to show drivers the orientation of travel, trees, ditches, narrow embankments, and other objects next to the road.			

