

## **Attachment 5**

### **Training Requirements**

August 10, 2009

The following training areas are listed, and in most cases potentially affected personnel are identified within each area. Training should be provided accordingly by qualified professionals (e.g., certified industrial hygienist, certified safety professional or equivalent).

1. **Respiratory Protection:** Respiratory Protection Training in accordance with 29 CFR 1910.134 for contractors that utilize respiratory protection equipment. This training must be provided for any members of the Deck Department that may don respirators during maintenance activities such as grinding or painting, Engineering personnel that may don respirators during special maintenance activities, Fire Brigade members, Chemical Emergency Response personnel (e.g., Marine Technicians), Welders/Shopfitters, etc. Contractors utilizing respiratory protection equipment must be medically approved and also fit-tested by a qualified individual(s).
2. **Hearing Conservation:** Hearing Conservation Training as required by 29 CFR 1910.95 for personnel who may be exposed to noise levels equal to or exceeding an 8-hour time weighted average of 85 dBA (e.g., those working in the engineering, welding/ship fitting, and maintenance departments and/or the engine room during operation).
3. **Hazard Communication:** Hazard Communication Training in accordance with 29 CFR 1910.1200 for all non-laboratory personnel. Marine Technicians receive this training in laboratory safety.
4. **Confined Space Entry Hazard Awareness:** Confined Space Hazard Awareness training is required in accordance with 29 CFR 1910.146 and EPA policies for all personnel working around confined spaces (e.g., engineers, deck department, etc.). GLNPO has a no entry policy, so at a minimum awareness level training shall be provided. This training content must provide all personnel with the ability to identify a confined space and avoid unsafe/unpermitted entry.
5. **Reserved**
6. **Lockout/Tagout:** Lockout/Tagout Training in accordance with 29 CFR 1910.147 must be provided for all authorized and affected personnel. Authorized personnel may include Marine Electricians, Engineers, Marine Technicians, and Personnel with any responsibilities for lockout/tagout procedures
7. **Laboratory Safety:** Laboratory Safety Training meeting the requirements of 29 CFR 1910.1450 is required for any persons working in EPA laboratories, including Marine Technicians. Comprehensive initial training is required for previously untrained personnel, followed by annual refresher training for those with previous training and laboratory experience.

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**8. Emergency Response Operations:** Emergency Response Training in accordance with 29 CFR 1910.120(q)(6)(iii) is required for contractor personnel assigned to positions such as Captain, First and Second Mate, able Bodied Seamen, and Marine Technicians for the purpose of offering assistance to the U. S. Coast Guard through a coordinated response to a hazardous materials release (e.g., oil, petroleum products, etc.) within the Great Lakes. In the event of turnover, the contractor is required to ensure this one-time requirement is met at all times at the contractor's expense. The contractor must also assure the receipt of annual refresher training to maintain or demonstrate competencies under this requirement, which may be met through the participation in annual exercises and/or related activities aboard the vessel. Marine Technicians involved in chemical spill responses aboard EPA vessels must also meet these requirements as applicable to incidental chemical spills or releases aboard EPA vessels.

**9. Ship Load Handling Equipment (Crane & Fork Truck):** All personnel involved in the operation of cranes, derricks, lift trucks, winches, etc. must be trained appropriately by a qualified instructor(s) in accordance with 29 CFR 1910 Subpart N Materials Handling and Storage and/or other applicable regulations.

**10. Basic First Aid and CPR:** All contractor personnel must be certified in basic First Aid and CPR in accordance with any nationally recognized course curriculum (e.g., National Safety Council, American Red Cross, etc.)

**11. Fire Fighting:** All personnel that are assigned to the vessels will have successfully completed an USCG approved fire fighting school. This training is required every five (5) years. In addition, at all times, the contractor is required to have on board the R/V Lake Guardian, at least two personnel who have been trained at a USCG approved Fire Fighting training school within the last twelve months.

**12. Hazardous Waste Site Operation and Emergency Response Field Training:** Contractor personnel assigned to work aboard the R/V Mudpuppy may work in field settings undergoing clean-up operations subject to 29 CFR 1910.120 (e.g., Superfund corrective actions, sites on EPA's National Priority Site List, initial investigations of government identified sites, etc. ) and therefore must receive training in accordance with 29CFR 1910.120(e), which includes 40-hours of initial training and eight (8) hours of refresher training.

**13. Commercial drivers license:** Contractor personnel involved in the operation of the combined truck and trailer equipment for the R/V Mudpuppy must receive training in accordance with 49 CFR 383, and must successfully complete a state administered examination to obtain a class A commercial drivers license (or equivalent)

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14. **Diversity/Sexual Harassment Awareness training:** This training is intended for employee awareness of diversity and sexual harassment policies. The contractor is responsible for providing the training to their employees in accordance with the Equal Employment Opportunity Commission (EEOC) Guidelines including 20 CFR 1609. The contractor must submit to the Contracting Officer a certification that all employees have successfully completed this required training.