

SECTION 02115 – HEALTH AND SAFETY REQUIREMENTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Requirements set forth herein are in addition, and shall be considered complementary, to all Contract Documents included for the proposed flooring abatement activities at the Neptune Senior High School, located in Neptune Township, Monmouth County, New Jersey.

1.02 SUMMARY

- A. This section details the minimum health and safety plan requirements to be followed by the Contractor during the flooring abatement activities and off-site transportation and disposal of all non-hazardous and hazardous wastes (as applicable),
- B. The Contractor is responsible for implementation and enforcement of safe work practices, including but not limited to flooring abatement, materials handling, operation of equipment, and safety of the public during progress of work.

1.03 EXISTING ENVIRONMENTAL INFORMATION

Copies of the following environmental reports are included in this bid package:

- A. Poured Polyurethane Flooring Investigation Report, Mott MacDonald, April 2021

1.04 QUALITY ASSURANCE AND APPLICABLE REGULATIONS

- A. The Contractor's Health and Safety Plan shall be prepared based on the existing environmental information.
- B. The Contractor shall plan for and ensure that Contractor personnel comply with the basic provisions of Occupational Safety and Health Administration (OSHA) Safety and Health Standards, 29 CFR Part 1910, General Industry Standards, 29 CFR Part 1926, General Construction Standards, as appropriate, and the Hazardous Materials Regulations, 49 CFR Part 171-178, and any other applicable federal, state, and local regulations required for completion of the work.
- C. The Contractor shall comply with applicable laws and regulations of any public agency having jurisdiction for safety of persons or property under this project.

1.05 SUBMITTALS

- A. The Contractor shall prepare and submit a Health and Safety Plan (HASP) in accordance with Part 1.07 of this Section, to the New Jersey Schools Development Authority (NJSDA) within 10 days of Notice to Proceed and prior to the start of any work. No work shall be permitted in conjunction with known, presumed, or potentially contaminated materials or areas until a Health and Safety Plan has been submitted, reviewed, and accepted by the NJSDA and/or their representative.
- B. The NJSDA's review and acceptance of the Contractor's Health and Safety Plan shall not be considered an approval, but an indication that the Plan is consistent with the requirements specified in Part 1.07 of this Section.

- C. The Contractor's Health and Safety Plan shall at a minimum meet the requirements of the New Jersey School Development Authority (NJSDA) Safety Plan.

1.06 SAFETY PRECAUTIONS

- A. The Contractor shall immediately notify the NJSDA if, during the course of the project, there should be a discovery of any undetermined substance.
- B. The Contractor must adhere to the applicable environmental protection guidelines, OSHA guidelines and regulations, and the specifications for the entire project at all times.
- C. The Contractor is responsible for the Health and Safety of his employees, subcontractors, and vendors.
- D. The Contractor shall conduct OSHA exposure monitoring for comparison to the OSHA Permissible Exposure Limit (PEL) of 0.1 mg/m³ or provide evidence of Negative Exposure Assessment (NEA) from mercury flooring removal projects.
- E. The Contractor shall conduct OSHA exposure monitoring for compliance with the OSHA Respirable Crystalline Silica standard 1926.153, for comparison to the Permissible Exposure Limit (PEL) of 50 µg/m³ during grinding tasks or provide evidence of Negative Exposure Assessment (NEA) from mercury flooring removal projects.
- F. Toxic Effects: The Contractor shall assume all responsibility for any toxic effects to workers from the air supplied to respirators, or from toxic or damaging vapors or residues resulting from the use of cleaners or other substances used by the Contractor during demolition.
- G. Chemical/Biological Hazards: The Contractor shall provide materials, equipment, and training to its workers as well as Safety Data Sheets (SDS) for materials used to ensure the workers protection from these and any other chemical/biological hazards which may be identified during the course of this work.
- H. Physical Hazards: The Contractor shall provide safety equipment and training to Contractor's workers to ensure protection from any physical hazards including but not limited to trip/fall hazards, working at elevation, heat stress, contact with energized (hot) active equipment, noise, overhead bump hazards, and electrical shock that may be present during the work. Training shall be provided to workers throughout the course of the project. A "Toolbox" safety meeting shall be conducted at a minimum weekly basis to discuss relevant safety procedures regarding work occurring at that time.
- I. Safety: Worker Safety shall be strictly complied with during the course of this project which shall govern the conduct of the Contractor's workmen, tradesmen, material workers, and subcontractors, and of visitors to the project site.
- J. Accident Prevention: In order to protect the lives and health of Contractor's employees, the Contractor shall comply with all pertinent provisions of the latest edition of the "Manual of Accident Prevention in Construction" issued by the Associated General Contractors of America, Inc. and shall maintain an accurate record

of all accidents which occur during the project. An injury or loss of life must be immediately reported by the Contractor to the Owner and Engineer, and a copy of the Contractor's report to the Contractor's insurer of an accident must be provided to the Engineer. Team members shall be listed and posted at the entrance to the work site for easy identification.

- K. **Emergency Response:** The Contractor shall establish an Emergency Response Team made up of members of the Contractor's work force. Team members shall be trained, organized, and capable of responding in the event of an accident, fire, or other emergency. The Contractor shall designate a Site Safety Coordinator to train team members regarding the location and use of site-specific fire/life safety equipment. As a minimum requirement, members of the Emergency Response Team shall be knowledgeable in standard first aid and CPR techniques, fire extinguisher use, and evacuation procedures.
- L. **Worker Protection:** The Contractor shall provide and maintain all safety measures necessary to properly protect workers.
- M. **Emergency Actions:** In an emergency affecting the safety of life, the work, or adjoining property, the Contractor, to prevent such threatened loss or injury without special instruction or authorization from the Engineer, is hereby permitted to act using professional discretion.
- N. **Hazard Communication Act:** The Contractor shall comply with the Hazard Communication Standard promulgated by the Occupational Safety and Health Administration (OSHA No. 29 CFR 1910.120). This program ensures that all employers provide the information needed to inform and train employees properly and to design and put in place an employee protection program. It also provides necessary hazard information to employees to allow participation in, and support, the protective measures needed at the work place. The Contractor shall ensure that labels or other forms of warning are legible in English and Spanish. An Employer having employees who speak other languages may add the information in their languages. See OSHA 1910.120 for more details.

1.07 CONTRACTOR'S HEALTH AND SAFETY PLAN

- A. At a minimum, the Contractor's Health and Safety Plan (HASP) must address the following topics:
 - 1. Site description and history
 - 2. Project activities, including coordination with subcontractors
 - 3. Hazard Assessment, including physical, chemical, and biological hazards
 - 4. Chain-of-Command
 - 5. Designation of responsibilities
 - 6. Site Control and Work Zones for each floor and phase of work
 - 7. Personnel Training
 - 8. Medical Surveillance

9. Personal Protective Equipment (PPE)
10. Atmospheric and Personnel Monitoring
11. Establishment of organic vapor and particulate action levels requiring PPE upgrade and/or mitigation
12. Decontamination procedures
13. Storage and disposal of expended PPE
14. Emergency Response Procedures, equipment, and First Aid requirements
15. Contingency Planning
16. Provisions for Sanitation and Drinking Water
17. Recordkeeping/audit program and daily safety logs
18. Fire Prevention and Protection
19. Dust minimization and mitigation techniques
20. Safe Work Practices: Standard Operating Procedures for activities including, but not limited to, the Work.
21. Hospital contact information and route maps
22. Communication and posting of regulations
23. Safety Data Sheets (SDS)

1.08 ACCIDENTS

- A. Provide such equipment and facilities as are necessary or required, in the case of accident/injuries, for first aid service to workers injured in the progress of work. In addition, the Contractor shall verify that the hospital(s) identified within the HASP are equipped to handle injuries typically encountered on environmental/construction projects, removal of injured person(s) and hospital treatment of any person who may be injured or may become ill.
- B. Report immediately to the NJSDA every accident to persons or damage to property and furnish in writing full information, including testimony of witnesses, regarding any and all accidents.

PART 2 -PRODUCTS

(Not Applicable)

PART 3 - EXECUTION

- A. The Contractor shall be solely responsible for implementing, maintaining, and supervising the accepted Contractor's Health and Safety Plan.

END OF SECTION 02115