

ATTACHMENT G

ENVIRONMENTAL SERVICES

G.1 GENERAL

- A. The Contractor shall operate, maintain, and service the environmental systems located within VRE's MSF as identified herein.
- B. The Contractor shall properly dispose of any waste or hazardous material in accordance with all applicable Federal, State and local regulations.
- C. The Contractor shall retain the services of a properly certified and licensed hazardous materials disposal Subcontractor and a licensed pest control Subcontractor to perform the specialized services identified herein.
- D. Materials, parts and equipment procured by the Contractor to perform environmental services shall be the property of VRE, unless indicated otherwise.
- E. The Contractor shall keep storage of hazardous and waste materials on the premises at the VRE MSF to a minimum.

G.2 ENVIRONMENTAL PERMITTING/REPORTING

- A. VRE shall obtain and maintain all applicable permits, certificates, licenses, and the like relating to the MSF and environmental systems used in performing the Contract Services.
- B. The Contractor shall accommodate VRE contractors and Department of Environmental Quality personnel conducting monitoring and inspection activities at the MSF.
- C. Within thirty (30) calendar days of the NTP, the Contractor shall submit to VRE for review and approval an Emergency-Spill Response/Spill Prevention Control and Countermeasure (SPCC) Plan, including a chain of command for each MSF. The Emergency Spill Response/SPCC Plan must be adopted by the time the Base Period of the Contract commences. This plan shall be updated on an annual basis and provided to VRE by July 1st of each calendar year.
- D. The Contractor shall assist VRE in completing periodic inspections and reporting requirements necessary to maintain all environmental permits, certificates and licenses.
- E. The Contractor shall cooperate with VRE in acquiring all permits that must be obtained, including without limitation, preparation of permit applications, and preparing responses to questions and comments pertaining to such applications.

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- F. VRE will retain management of the Storm Water Pollution Prevention (SWPP) Plan and Stormwater Best Management Practices (BMP). VRE will also maintain the storm water pond at the MSF.
- G. The Contractor shall perform maintenance and upkeep of the storm system in the MSF including the oil/water separators, drip pans, inspection pits, drain inlet covers, and ballasted and hard surfaces.
- H. Any spills or overloading of oil/water separators or other storm water management systems due to services performed under the Contract shall be rectified by the Contractor at no additional cost to VRE. Any associated fines shall be paid by the Contractor if spills or overloading are caused by the actions or inactions of the Contractor or its Subcontractors.

G.3 AIR EMISSIONS TESTING, PERMITTING AND REPORTING

- A. VRE shall be responsible for all testing, monitoring, permitting and reporting related to air emission controls at the MSF. The Facility-Wide Emissions Cap approved by the Environmental Protection Agency (EPA) contains specific emissions limitations, conditions, and requirements that must be met. The Contractor shall comply with these conditions and requirements.
- B. The Contractor must maintain fuel usage logs, which must include the total monthly fuel usage for all combustion units and the total fuel usage for the previous twelve (12) months.
- C. A monthly report must be submitted to VRE that includes a copy of all fuel usage logs and calculates the past twelve (12) months of fuel usage by VRE locomotive.
- D. Receipts and logs must be maintained on-site at VRE's MSF as well as electronically and shall be available for inspection by any regulatory agency upon request.
- E. The Contractor must maintain logs for each MSF or Commuter Rail Maintenance Facility (CRMF) that includes the total locomotive engine hours per month and total engine hours for the previous twelve (12) months. Engine hours shall include the specific date and time that any locomotive is running within the MSF, from the time it starts or enters the MSF to the time it is shut down, plugged in, or exits the MSF.
- F. The log shall also include the name and signature of the Contractor personnel responsible for monitoring
- G. Engine hours must be calculated on a daily basis.
- H. Monthly run time reports must be submitted by the Contractor to VRE.
- I. Logs must be maintained on-site at each MSF as well as electronically and shall be available for inspection by any regulatory agency upon request.

G.4 HAZARDOUS MATERIALS DISPOSAL

- A. Any regulated waste or hazardous materials located on VRE property produced or generated while delivering the Contract Services shall be disposed of in accordance with all applicable environmental regulations.
- B. Within thirty (30) days of the NTP, the Contractor shall submit to VRE for review and approval, a draft policy and procedures manual and draft guidelines for handling and managing hazardous waste and materials required for the Contract Services.
- C. The Contractor shall adopt the approved policy and procedures prior to commencement of the Base Period of the Contract. Said policies shall include, but are not limited to, spill prevention and control, hazardous materials handling, management and storage, and medical waste handling. The policies shall be developed in compliance with all applicable Federal, State and local environmental laws, regulations, and applicable permits.
- D. Storage of hazardous materials shall be limited to areas as indicated by VRE and in compliance with codes and regulations. Facilities for storage may not exist; however, the Contractor shall provide the needed facilities or store the materials off site. The Contractor shall minimize storage of waste and hazardous materials at the MSF.
- E. Disposal of any regulated materials, including but not limited to, petroleum-based products, antifreeze, oils, lubricants, paint, fluorescent light bulbs, railroad ties, drip pans, and batteries shall be through the services of a properly certified and licensed Hazardous Materials Disposal Subcontractor of the Contractor.
- F. Disposal of defective or obsolete batteries shall begin within one (1) week of removal from service and complete within sixty (60) calendar days. Battery disposal and storage sites shall be in accordance with OSHA regulations.
- G. The Contractor shall take immediate actions to comply with all applicable Federal, State and local laws, regulations, and applicable permits concerning the release of any contaminant within the MSF without regard to source.
- H. The Contractor shall comply with all written policies maintained by VRE or applicable regulatory agencies pertaining to environmental compliance and/or response policies and procedures, including coordination with VRE, and/or its designated contractor(s) or representative(s).
- I. Copies of all waste management documentation, including material handling, manifests, bills-of-lading, weight slips and receiving facility receipts shall be kept on site at each MSF as well as electronically and a copy provided to VRE per occurrence.

G.4.1 HAZARDOUS MATERIALS HANDLING

In compliance with OSHA requirements, the Contractor shall maintain a Safety Data Sheet (SDS) center at each MSF with SDS information for all chemicals used to provide the Contract Services. The SDS center shall be at a mutually agreed upon location and available to all employees of the Contractor and to VRE.

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G.5 ENVIRONMENTAL EMERGENCIES AND SYSTEM MALFUNCTIONS

- A. The Contractor shall be prepared to respond to spills and environmental emergencies at all times regardless of cause.
- B. The Contractor shall monitor third party activities that may have environmental impacts and report such activities to VRE.
- C. The Contractor shall notify VRE immediately to report any malfunctions observed to environmental systems. The Contractor shall provide written documentation to VRE that includes detailed information regarding the malfunction within forty-eight (48) hours.
- D. Malfunctions of environmental equipment or systems which can be rectified through minor repairs must be addressed by the Contractor in a timely manner so as not to result in non-compliance with any permit or required permit conditions.

G.5.1 SPARE PARTS AND EMERGENCY REPAIRS

- A. The Contractor must respond immediately upon becoming aware of a malfunction or to requests by VRE for emergency repairs to environmental systems.
- B. The Contractor must maintain spare parts for environmental systems to complete expedient repairs to such systems, and associated equipment and appurtenances, whenever possible.
- C. The Contractor shall maintain an up-to-date inventory of tools and parts recommended by the equipment manufacturers of the various environmental systems serviced by the Contractor and its Subcontractors.
- D. The Contractor must use new parts to make repairs and/or replacements to VRE's environmental systems.

G.5.2 WASTE CONTAINERIZATION, CHARACTERIZATION, TRANSPORT AND DISPOSAL

- A. The Contractor shall minimize storage of waste, regulated and hazardous materials, at VRE's MSF.
- B. The Contractor shall conduct any and all testing of waste materials to be transported and disposed off-site, if required, to determine proper and legal methods for transport and disposal in accordance with all applicable Federal, State and local regulations.
- C. The Contractor shall produce hazardous waste manifest forms as required by Federal, State and local regulatory agencies for the transportation and disposal of hazardous waste collected from VRE's MSF. The Contractor shall maintain completed hazardous waste manifests and provide copies to VRE.
- D. The Contractor shall ensure that hazardous waste is transported in a manner that meets all Federal, State and local regulations, including vehicles with appropriate markings, placards, and licenses.

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- E. The Contractor shall also ensure that waste materials collected while conducting Contract Services are disposed at a facility that is properly equipped and licensed by Federal and State regulatory agencies to receive the materials collected.

G.6 HEALTH AND SAFETY PLANNING AND WORK AREA SECURITY

- A. The Contractor shall develop and implement a Health and Safety Plan for all the Contractor personnel and Subcontractor personnel working with or exposed to hazardous or other contaminated materials when providing Contract Services. A copy of the plan shall be submitted to VRE within thirty (30) calendar days of the NTP.
- B. The Health and Safety Plan shall be prepared following the guidelines of the United States Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.

G.7 TRAINING AND QUALIFICATIONS

- A. The Contractor shall ensure that personnel executing environmental services are qualified to perform the duties assigned to them.
- B. All Contractor and Subcontractor personnel who work at VRE's MSF executing environmental services must be trained in compliance with applicable regulations as required by the Virginia Department of Environmental Quality, EPA, and OSHA, including, but not limited to, 24-Hour HAZWOPER, Right-to-Know, Lock Out/Tag Out, Confined Space Entry, and Personal Protective Equipment as applicable and as required by OSHA.

G.8 PEST CONTROL

- A. The Contractor shall install and maintain bird, rodent and pest control within or about VRE's MSF.
- B. The Contractor shall retain the services of a certified Pest Control Subcontractor to perform this work.
- C. Pets and/or other animals, unless specifically approved by VRE, are not allowed within VRE's MSF.