

PERMIT MODULE II CONDITIONS OF OPERATION

II.A. HOURS OF OPERATION

- II.A.1. The landfill is scheduled to be open up to 24 hours a day, 7 days a week for waste delivery acceptance by Shoosmith's own hauling business. Delivery acceptance by other businesses and commercial haulers is also allowed, but only between the hours of 6:00 AM and 12:00 AM, 7 days a week. Waste deliveries by Shoosmith's own hauling business between the hours of 12:00 AM and 6:00 AM shall be limited to 12 trucks total during this time period.
- II.A.2. Emergency conditions or unusual circumstances that require accepting waste outside of the normal operating hours shall be reported orally to the DEQ Piedmont Regional Office at (804) 527-5020 within 24 hours followed by a formal written submission within 5 days.

II.B. WASTES ACCEPTED

The Shoosmith Sanitary Landfill may receive the following wastes, as defined by 9VAC20-81-10, or described below:

- II.B.1 Agricultural waste.
- II.B.2. Asbestos, non-friable. Asbestos containing waste materials shall be disposed according to the requirements of 40 CFR 61, Subpart M, as amended, and incorporated under 9 VAC 20-81-620.
- II.B.3. Ashes and air pollution control residues that are not classified as hazardous waste. Incinerator and air pollution and control residues should be incorporated into the working face and covered at such intervals as necessary to keep them from becoming airborne.
- II.B.4. Commercial Waste.
- II.B.5. Construction, demolition and debris waste.
- II.B.6. Contaminated Soil.
- II.B.7. Fossil Fuel Combustion Products.
- II.B.8. Industrial Waste.
- II.B.9. Institutional Waste.
- II.B.10. Municipal solid wastes, including garbage, household waste, refuse, residential waste, rubbish and trash.

- II.B.11. Non-regulated hazardous wastes and treated wastes rendered nonhazardous, upon approval from the Department.
- II.B.12. Scrap metal.
- II.B.13. Sludge, industrial and/or POTW. Municipal, commercial, or industrial wastewater treatment plant, water treatment plant, and air pollution control facility sludges that have been dewatered.
- II.B.14. Stock farm animal carcasses (The facility shall not accept stock farm animal carcasses for disposal in the waste management area subject to the 1998 zoning approval.)
- II.B.15. Vegetative and yard waste, including stumps that are less than 12 inches in diameter.
- II.B.16. Waste Tires. Tires shall be stored at the waste tire storage area in an appropriate manner in accordance with 9 VAC 20-81-640. Tires may also be split, cut, or shredded and then beneficially used or landfilled.
- II.B.17. White goods, provided that all appliances are free of chlorofluorocarbons and PCBs prior to placement on the working face. White goods may be accumulated at the facility in accordance with 9 VAC 20-81-650.
- II.B.18. UNAUTHORIZED WASTE — The Shoosmith Sanitary Landfill may not receive any unauthorized wastes identified in 9 VAC 20-81-140.B.4. or any of the following: waste oil that has not been adequately absorbed through site cleanup; radioactive wastes; lead acid batteries; pressurized tanks or pressurized containers; automobile gas tanks; friable and some non-friable asbestos-containing waste materials as defined by 9 VAC 20-81-620; regulated medical waste; explosives or other dangerous materials; and junked automobiles.

II.C. PERMIT LIMITS

The facility has a disposal limit of 5,350 tons per day as specified in the Part A approval letter.

II.D. COMPACTION & COVER

II.D.1. Daily cover consisting of six inches of compacted soil or other approved material shall be placed upon and maintained on all exposed solid waste prior to the end of each day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging. Approved alternate daily cover materials include:

- II.D.1.a. Synthetic daily cover (tarp) approved by the Department as defined in Module III and Specification 14105.

II.D.1.b. A blend of 50% soil and 50% industrial wastewater treatment plant sludge (Approved by the Department on July 25, 2008)

II.D.1.c. Pro-Guard SB2 was conditionally approved and revised by the Department on April 12, 2016. The limits of use for the spray applied ADC when a rain event is occurring or when a rain event is fore casted at 75% or greater with an accumulation of 0.1inch within 12 hours of cover application. Cover integrity evaluation on previously applied ProGuard will be assessed after rain events and 6 inches of soil will be place on compromised areas.

II.D.1.d. RusFoam was conditionally approved by the Department on August 6, 2018. RusFoam shall not be applied as an ADC during, or prior to, forecasted rain events. A forecasted rain event shall be one in which the National Oceanic and Atmospheric Administration (NOAA) National Weather Service predicts a greater than seventy-five percent chance of rainfall totaling greater than one quarter of an inch occurring within twelve hours. Any areas previously receiving RusFoam as daily cover shall be inspected following a rain event. Additional daily cover shall be applied to any area in which the RusFoam is observed to be compromised.

IID.1.e. The use of an ADC material shall cease if the material is not effective at achieving the purposes of daily cover set forth in 9 VAC 20-81-140.B.1.c., if the use results in nuisances, or if the material is erodible and results in waste being exposed.

II.D.2. Intermediate cover shall be applied when another lift of waste will not be placed for more than 30 days or to areas which exhibit erosion, cracking, or settlement.

II.D.3. Final cover construction as outlined in Permit Module XII shall be initiated when the requirements of 9 VAC 20-81-140.B.1.e. are met.

II.E. HOUSEKEEPING

II.E.1. The facility shall control odors in accordance with 9VAC20-81-200.D. and/or as necessary to protect human health and the environment.

II.E.2 The facility shall use fencing or other suitable control means to control litter migration. All litter blown from the operations shall be collected on a weekly basis.

II.E.3 Fugitive dust and mud deposits on main offsite roads and access roads shall be limited at all time to limit nuisances. Dust shall be controlled to meet the requirements of 9VAC20-81-140.A.12.

II.E.4. Salvaging may only be performed in areas of the facility designated for salvaging or recycling. Salvaging operations must not interfere with the operations of the landfill or create hazards or nuisances.

II.E.5. Open burning at active landfills shall comply with the requirements of 9VAC20-81-140.A.4. Open burning is prohibited at areas where waste has been disposed or is being used for active disposal.

II.F. SAFETY PROGRAM

Safety hazards to operating personnel shall be controlled through an active safety program consistent with the requirements of 29 CFR Part 1910. Safety training shall be performed annually, at a minimum.

II.G. SELF-INSPECTION PROGRAM

The landfill shall implement an inspection routine including a schedule for inspecting all applicable major aspects of facility operations necessary to ensure compliance with the requirements of Part III of the VSWMR (9 VAC 20-81-100 through 9 VAC 20-81-260). Records of these inspections must be maintained in the operating record and available for review. At a minimum, the following aspects of the facility shall be inspected on a monthly basis: erosion and sediment controls, storm water conveyance system, leachate collection system, safety and emergency equipment, internal roads, and operating equipment.

II.H. OPERATIONS MANUAL REQUIREMENTS

II.H.1. The facility shall be operated in accordance with 9 VAC 20-81-140, Module II, and an operations manual which has been certified by a responsible official and placed in the facility's operating record.

II.H.2. The operations manual shall include the following items as required by 9 VAC 20-81-485:

- A certification page;
- Operations Plan;
- Inspection Plan;
- Health and Safety Plan;
- Unauthorized Waste Control Plan;
- Emergency Contingency Plan; and
- Landscaping Plan.

II.H.3. The operations manual shall be reviewed and recertified annually to ensure consistency with the current operations and regulatory requirements.

II.I. LEACHATE MANAGEMENT

Leachate shall be managed in accordance with 9 VAC 20-81-210, Module III, and the facility's Leachate Management Plan. If a leachate seep(s) occurs, the owner or operator shall repair the seep(s) and follow the procedures outlined in 9 VAC20-81-210.F.

II.K. LANDFILL GAS MANAGEMENT

Landfill gas shall be monitored in accordance with 9VAC20-81-200, Module III, and the facility's Landfill Gas Management Plan. The gas management system shall be inspected at a rate consistent with the system's monitoring frequency.

II.L. GROUNDWATER MONITORING

Groundwater shall be monitored in accordance with 9VAC20-81-250 and 9 VAC 20-81-260; Modules X, XI, and XIV; and the respective groundwater permit documents, as applicable. The groundwater monitoring system shall be inspected at a rate consistent with the system's monitoring frequency.

END OF MODULE II