

Landfill Inspection Checklist

Facility: ESI Lorton Landfill

Date of Inspection: 01/22/18



| Description | Satisfactory | Unsatisfactory | Remarks |
|---|--------------|----------------|---------------------|
| 1. Erosion and Sediment Control Plan provided on site | X | | Approved Site Plan. |
| 2. Operating Plan provided on site | X | | 06/05/2017 |
| 3. Landfill Procedural Operation a. Hours of operation b. Number of personnel c. Types & number of equipment | X ↓ | | |
| 4. Site Access | X | | |
| 5. Traffic Control | X | | |
| 6. Access Roads a. Condition of ingress/egress b. Clear of dust/debris c. Clear of dirt/mud d. Fences and gates are in place and functional | X ↓ | | |
| 7. Dust Control | X | | |
| 8. Odor Control | X | | |
| 9. Vector Control | X | | |
| 10. Noise Control and Screening | X | | |
| 11. Fire Prevention a. Fire Control Plan provided on site b. Proper firebreak in place | X N/A | | |

| | | | |
|--|---|---|------------------------------|
| 12. Compaction and Cover a. Cover procedures b. Types of cover material c. Degree of compaction | X ↓ | | Full time Geotech. |
| 13. Salvage Operations | X | | Permitted |
| 14. Litter Control | X | | Litter FENCES installed. |
| 15. Permitted Waste Material | X | | |
| 16. Leachate Control & Management | | | Refer to solid waste report. |
| 17. Stormwater Management & Drainage a. Stormwater diversion b. Drainage improvements c. VSMP/SWPPP Permit | X ↓ | | # VAR051079 06/30/2019 |
| 18. Groundwater Monitoring a. Plan for GW control devices b. Water quality control measures c. Surface water monitoring | | | Refer to solid waste report |
| 19. Erosion & Sediment Control Measures a. Temporary E&S b. Division ditch c. Embankment d. Channels e. Vegetation f. Grade stabilization g. Sediment traps & basins h. Temporary seeding & straw mulch i. Drainage & runoff j. Permanent E&S k. Permanent seeding and straw mulch l. Vegetation m. Fertilization n. RPA & Floodplain Encroachment | X X X X X X X X X X X X X X X | X | |
| 20. Compliance with SEA Conditions | X | | |

21. Violations

N/A

Name of Inspector(s): NAK CHCA
Jeff Hafferick

Signature(s): 


County of Fairfax
Department of Public Works & Environmental Services
SEA Checklist – Lorton CDD Landfill

Report No. _____

DATE: 1/22/2018

FACILITY: Lorton CDD Landfill

WEATHER: SO'S PETZ. CLOUDY

INSPECTOR(S): Jeff Hatterick

| Ref | Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|----------|--|--------------|--------------|----------------|----------|
| | | | | | |
| GC3 | Special Exception Amendment 80-L/V-061 posting | | | | |
| | Posted in a conspicuous place? (Y/N) | | / | | |
| GC3 | Non-RUP posting | | | | |
| | Posted in a conspicuous place? (Y/N) | | / | | |
| GC4 & 18 | New operational areas or phases | | | | |
| | Any new operational areas started since last inspection? (Y/N) | | / | | |
| | If yes: | | | | |
| | - Was site plan submitted first? (Y/N) | | | | |
| | - Did it exceed 290' above sea level? (Y/N) | | | | |
| | - If yes, adequate sediment basins provided and maintained? | | | | |
| GC7 | Northern and eastern portion | | | | |
| | Any new areas disturbed along northern or eastern portion since last inspection? (Y/N) | | / | | |
| | If yes, was appropriate archeological survey performed? (Y/N) | | / | | |
| GC8 | Stormwater Management | | | | |

| Ref | Description | | | | Comments |
|------|--|--------------|--------------|----------------|--|
| | | Not Observed | Satisfactory | Unsatisfactory | |
| | BMPs followed as indicated on Plat (Y/N) If no, were conditions waived? (Y/N, N/A) | | / | | |
| GC10 | Closure Plan | | / | | |
| | Current copy, including any amendments, located on-site? (Y/N) | | / | | |
| GC11 | Conformance with VAC | | / | | |
| | Has there been any future expansion of the landfill beyond that outlined by the SEA Plat? (Y/N) Expansion beyond Plat is prohibited. | | / | | General landfill checklist should be used to determine conformance with Virginia Code. |
| GS14 | Burning of Materials | | / | | |
| | Are any waste materials being burned on-site? (Y/N) This is prohibited. | | / | | |
| GC15 | Liner system | | / | | |
| | Installed in all landfill cells in accordance with regs? (Y/N) | X | | | |
| GC16 | Tire Wash System | | / | | |
| | Does it include wash rack/grate system? (Y/N) Adequate resources (incl. spare parts) on-site? (Y/N) | / | / | | |
| GC19 | Dikes, basins and stockpiles | | / | | |
| | Seeding & mulching to be reviewed by EFID Inspector | | / | | Per EFID |
| GC20 | Litter | | / | | |
| | Litter fences along toes of slopes being worked? (Y/N) Adequate litter control program being adhered to? (Y/N) | | / | | |
| GC21 | Groundwater Monitoring | | / | | |
| | Test results submitted to Health Dept. and DPWES at same time as DEQ? (Y/N) | | / | | |

| Ref | Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|------|--|--------------|--------------|----------------|-------------------|
| | | | | | |
| | Any off-site private well(s) adversely affected by I.f. operation determined since last inspection? If yes, was potable water supplied to affected property within 5 days? (Y/N) | / | | | |
| GC22 | Dredge Soils | | | | |
| | Any dredge soil deposited at I.f. in last year? (Y/N) Did it meet DEQ standards for CDD? (Y/N, N/A) | | | | BARRETT - DEED 05 |
| GC23 | Gas Monitoring and Management | | | | |
| | Compliance with approved gas monitoring plan demonstrated? (Y/N) | | - | | |
| | Extra requirements in cap sections of proposed recreational areas observed? | / | | | |
| GC24 | Cardboard Recycling | | | | |
| | OCC collection containers on-site? (Y/N) Is OCC pre-sorted from other materials prior to entering site? (Y/N) | | - | | |
| GC25 | Public Outreach Contribution | | | | |
| | Annual \$60,000 contribution for public outreach and education made to DPWES? (Y/N) | / | | | |
| GC26 | Emergency Contingency Plan | | | | |
| | Plan approved and being complied with? | | / | | |
| GC27 | Hours | | | | |
| | Approved hours are 7am-5pm M-F; 7am – Noon Sat. (Gates may open earlier to allow for queuing) Materials accepted only within approved hours? (Y/N) If "no" – was special exception granted each time not to exceed 10xs/calendar year? (Y/N) | | / | | |
| GC30 | Clearing and Grade | | | | |

| Ref | Description | | | | Comments |
|--------------|---|--------------|--------------|----------------|----------|
| | | Not Observed | Satisfactory | Unsatisfactory | |
| | Limits of clearing and grade as noted on SEA Plat adhered to? (Y/N) | / | | | |
| GC30 | Giles Run Flood Plain | | | | |
| | Any new debris placement made within 150 feet of 100 year flood plain of Giles Run? | / | | | |
| GC30 | RPA Areas | | | | |
| | No disturbance within resource protected areas except as noted on SEA Plat? | / | | | |
| GC32, 38,40 | Landscaping | | | | |
| | Landscaping of permanent berms (reviewed by EFID Inspector) Landscaping maintained in good health (Y/N) Approved revegetation/reforestation executed? (N) | | / | | |
| GC33 | Northern boundary | | | | |
| | Undisturbed buffer of trees exist along northern boundary? (Y/N) | | / | | |
| GC34 | Southeastern and southwestern boundaries | | | | |
| | Landscaped buffer of 100 ft maintained along southeastern and southwestern boundary as required? (N) If "no", additional landscaping provided or berm extended to 8 ft? | / | | | |
| GC35 | Noise ordinance | | | | |
| | Facility in compliance with county noise ordinance? (Y/N) | | / | | |
| GC44, 48, 50 | Traffic | | | | |
| | Truck traffic following approved routes (N/N) | | | | |
| GC44 | Condition re: Avoiding Lorton School Vicinity | | | | |
| | Trucks avoiding area in vicinity of Lorton school | / | | | |

| Ref | Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|------|---|--------------|--------------|----------------|------------|
| | posted at site entrance? (Y/N) Regular customers informed in writing at least twice per year of this condition? (Y/N) | | / | | DEC - JUNE |
| GC49 | Dust and gravel | | | | |
| | Dust and gravel control measures maintained? (Y/N) Full-time availability of water tank truck and sweeper vehicle on-site? (Y/N) | | / | | |

GC = General Conditions as noted in the "Approved Development Conditions, SEA 80-L/V-061, dated January 8, 2007)



DEBRIS LANDFILL COMPLIANCE CHECKLIST



Report No. _____

Date: 1/22/2018

Inspector's Name: J. HATTERICK

Facility: Lorton LF

Weather: 50'S PETS. CLOUDY

| Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|---|--------------|--------------|----------------|----------|
| | | | | |
| Operating Plan | | | | |
| Provided onsite? <input checked="" type="checkbox"/> (Y/N) | | / | | 6/5/2017 |
| Access Roads | | | | |
| Proper maintenance? <input checked="" type="checkbox"/> (Y/N); adequate ingress? <input checked="" type="checkbox"/> (Y/N); adequate egress? <input checked="" type="checkbox"/> (Y/N) Clear of dirt, mud, litter, dust? <input checked="" type="checkbox"/> (Y/N) | | / | | |
| Compaction & Cover | | | | |
| Earth or other approved cover material? (Y/N); cover free of putrescible substances? <input checked="" type="checkbox"/> (Y/N) | | / | | |
| Well-compacted cover? (Y/N) | | / | | |
| - Min. 4 to 10 inches depth for surface and sides? (Y/N) | | / | | |
| - Final Cover: Clean earth, min. 30 inch depth for surface and sides? (Y/N) | | / | | |
| No material left uncovered more than 14 days? (Y/N) | | / | | |
| Upon completion of fill cell, intermediate cover free of: | | / | | |
| - Cracks/unevenness? <input checked="" type="checkbox"/> (Y/N) | | / | | |
| - Erosion. Determination to be made by EFID Inspector | | / | | |

| Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|---|--------------|--------------|----------------|---|
| | | | | |
| Degree of compaction allows for construction envisioned by master plan? (Y/N, N/A) | / | | | |
| Erosion control layer – to be reviewed by EFID inspector | | / | | GENERAL MAINTENANCE REQUIRED INSPECTION |
| Access Control | | | | |
| Are all entrances and exits controlled during work hours and secured and locked during non-working hours? (Y/N) | | / | | PPE OPS PLAN |
| When is access permitted to site? M-F 7-5 SAT 7-12 | | / | | |
| What are hours of operation? | | / | | |
| Are fences and gates in place and functional? (Y/N) | | / | | |
| Fire Prevention | | | | |
| Fire Control Plan provided onsite? (Y/N) | | / | | |
| Firebreak minimum of 50 feet between landfill and wooded areas? (Y/N) | | / | | |
| Cover material maintained in close proximity to working face of fill? (Y/N) | | / | | |
| Stormwater and Drainage | | | | |
| Is the SWPPP Permit current? (Y/N) | | / | | 6/30/19 |
| What is VPDES Permit Number? R051079 | | / | | |
| When does VPDES permit expire? 6/30/19 | | / | | |
| Does the fill or excavation area encroach on the RPA, existing 100-year drainageway or flood plain? (Y/N) | / | | | |
| Any of the fill or excavation areas within 50 feet of a perennial watercourse? (Y/N) | / | | | |
| Any surface water from an off-site source entering the landfill area? (Y/N) Is it adequately diverted? (Y/N) | / | | | |

| Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|--|--------------|--------------|----------------|--|
| | | | | |
| Specific approval of Director obtained? (Y/N, N/A) | | | | |
| Review of Compliance Submittals and Environmental Protection Controls | | | | |
| Groundwater monitoring well(s) appear in good condition? (Y/N) | | | | 12/1/2017 |
| When was latest round of GW sampling performed? | | | | GOLDER ASSOC. |
| Number of down gradient wells? 7 | | / | | |
| Number of up gradient wells? 2 | | / | | |
| Any groundwater exceedances recorded? (Y/N) | | / | | |
| If yes, has a corrective action plan been implemented? (Y/N) | | / | | |
| Landfill gas monitoring well(s) appear in good condition? (Y/N) | | / | | |
| When was latest round of LFG monitoring performed? 11/15/2018 | | / | | |
| Number of wells? 33 | | / | | |
| Active or passive system? | | / | | |
| Any LFG exceedances recorded? (Y/N) | | / | | |
| If yes, has a corrective action plan been implemented? (Y/N) | | / | | |
| Surface water monitoring | | / | | 10/9/2017 11/22/17 - 300 TSS / 100 TSS - CLEANED POND 6, 8 400 / 100 - |
| Water quality control measures | | / | | 8/2017 - VIS. INSP. 2, 3, 4, 5, PROBLEMS, DEBRIS, SOLIDS NO OTHER DISCHARGES 5/2017 |
| Leachate Control and Management | | | | |
| Leachate control system and features appear in good condition? (Y/N) | | / | | DISCHARGE TO NORMAL COLE |
| When was latest round of leachate sampling performed? 11/16/18 | | / | | |

| Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|--|--------------|--------------|----------------|----------------|
| | | | | |
| Number of samples/sample points wells? | | / | | |
| Any compliance issues recorded? (Y/N) <input checked="" type="checkbox"/> N | | / | | |
| If yes, has a corrective action plan been implemented? (Y/N) <input checked="" type="checkbox"/> N | | / | | |
| Erosion and Sediment Controls: Activity to be performed by EFID Inspector. | | | | |
| | | / | | FOR EFID USE P |
| Vectors | | | | |
| Is there evidence of disease or nuisance vectors? (Y/N) <input checked="" type="checkbox"/> N | | / | | |
| Cover Material Availability | | | | |
| Adequate amount of material readily available? <input checked="" type="checkbox"/> N | | / | | |
| Equipment | | | | |
| Adequate amount present during all working hours? <input checked="" type="checkbox"/> N | | / | | |
| Personnel | | | | |
| Adequate amount present during all working hours? <input checked="" type="checkbox"/> N | | / | | |
| Dust Control | | | | |
| Controlled via application of water to access roads? (Y/N) | / | | | |
| Controlled via vegetative cover on final landfill slopes? <input checked="" type="checkbox"/> N | / | / | | |
| Debris and Litter Control | | | | |
| | | / | | |
| Odor Control | | | | |
| | | / | | |
| Traffic Control | | | | |
| | | / | | |
| Noise | | | | |

| Description | Not Observed | Satisfactory | Unsatisfactory | Comments |
|---|--------------|--------------|----------------|---------------|
| | | | | |
| Is facility in compliance with Fairfax County Noise Ordinance? (Y/N) | | / | | |
| Screening | | | | |
| | | / | | POE EFLD IMP. |
| Salvaging | | | | |
| If present, is it part of approved operating plan? (Y/N, N/A) | / | | | |
| Design Plan | | | | |
| Facility in accordance with design plan including establishment and preservation of grades? (Y/N) | | / | | |
| Requirements re: certain materials | | | | |
| Permitted materials only? (Y/N) | | / | | |
| Ash – Quenched? (Y/N, N/A) | | | | |
| Tires – Radially split, shredded or chipped? (Y/N, N/A) | | | | |
| Semi-liquid excavation material – If present, approved by Director? (Y/N, N/A) | | | | |
| Paper Waste present other than part of CDD rubble? (Y/N, N/A) | | | | |
| Automobiles – If present, does facility have approval from Health Dept. and Virginia Bureau of Solid Waste and Vector Control? (Y/N, N/A) | | | | |

ADDITIONAL COMMENTS: