

MUNICIPAL SOLID WASTE LANDFILL INSPECTION CHECKLIST

Facility name: _____

Permit #: _____

Date of inspection: _____

ITEM	DESCRIPTION
	Circle Y or N as appropriate, or N/A for any questions that are not applicable. A "yes" answer generally denotes compliance with that requirement. Violations should be explained further in the narrative. Citations listed after each requirement are from OAC 252:515 unless otherwise specified.
1	<p>GROUNDWATER MONITORING</p> <p>General</p> <p>Y N N/A 1. Has the number of groundwater monitoring wells (MW) been installed IAW approved plans (a minimum of one (1) up gradient and three (3) down gradient MWs are required)? [9-5(b)(1)]</p> <p>Y N N/A 2. Is each MW constructed IAW applicable requirements of the OWRB at OAC 785:35, including the following: [9-6 & 7-3]</p> <p>Y N N/A a. Does the well casing extend a minimum of two (2) feet above the surface of each MW? [OAC 785:35-7-1(c)(2)(D)]</p> <p>Y N N/A b. Is a concrete or cement surface pad (3' in diameter, 3.5" thick) installed around each MW and sloped to ensure water flows away from the well? [OAC 785:35-7-2(b)(7)(A) & (B)]</p> <p>Y N N/A c. Does an aluminum or steel protective casing extend a minimum of two (2) feet above the surface of each MW? [OAC 785:35-7-2(b)(9)(A)]</p> <p>Y N N/A d. Is a notch placed in the top of the well casing of each MW to mark the point of measurement for groundwater elevation? [7-3(3)]</p> <p>Y N N/A e. Is the latitude, longitude, and surface elevation measured by a licensed surveyor permanently marked on the well casing of each MW? [7-3(4)]</p> <p>Y N N/A f. Is a threaded or flanged cap or compression seal installed on top of each well casing to prevent tampering with or contamination of the well? [OAC 785:35-7-2(b)(8)(A)]</p> <p>Y N N/A g. Is the top of the protective casing of each MW fitted with a locking cap and clearly identified as a MW? [OAC 785:35-7-2(b)(9)(A)]</p> <p>Background monitoring</p> <p>Y N N/A 3. For landfills permitted prior to April 9, 1994, has the o/o completed 2 years of background monitoring for each monitoring well installed at that time? [9-31(a)] If no, identify which wells have not completed background.</p> <p>Y N N/A 4. Have new groundwater monitoring wells been installed after the effective date of OAC 252:515 which have not completed background monitoring? If yes, identify the wells and their installation dates.</p> <p>Y N N/A 5. Were the newly installed groundwater monitoring wells identified in Item 1.4 sampled quarterly for one full year to establish background water quality? [9-31(c)] If no,</p> <p>Y N N/A a. Was the lesser amount of sampling approved by the DEQ? [9-31(c)]</p> <p>Whether approved by the DEQ or not, if a lesser amount of monitoring was done, identify which wells were monitored less and the amount of monitoring performed.</p> <p>Y N N/A 6. Immediately prior to well purging, were groundwater elevations measured in each well to determine rate and direction of groundwater flow? [9-3(d)]</p> <p>Y N N/A 7. Each time groundwater was sampled, did the o/o perform analyses for the constituents in Attachment 1? [9-31(d)(1)]</p> <p>Y N N/A 8. Has all background monitoring data been submitted to the DEQ in a format prescribed by the DEQ? [9-3(e)]</p> <p>Statistical method</p> <p>Y N N/A 9. If background is completed, does the o/o have an approved statistical analysis plan? [9-52]</p> <p>Detection monitoring</p> <p>Y N N/A 10. Has the o/o begun detection monitoring? [9-71]</p>

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Y N N/A	11. Immediately prior to well purging, were groundwater elevations measured in each well to determine rate and direction of groundwater flow? [9-3(d)]
Y N N/A	12. Is detection monitoring performed for the constituents in Attachment 1, or a DEQ-approved list of alternative parameters? [9-71, 9-72] If a DEQ-approved list of alternative monitoring constituents is being used, identify the revised constituents.
Y N N/A Y N N/A	13. Is detection monitoring performed on each MW at least semi-annually? [9-73(a)] If yes, go to Item 1.14. a. Has DEQ approved the alternative frequency? [9-73(b)] Whether approved by the DEQ or not, if an alternative frequency is used, identify the frequency and whether it's an alternative frequency for all constituents or alternative frequency for certain constituents.
Y N N/A	14. Did the o/o determine within 60 days of sampling if there was a statistically significant increase over background values for each parameter required in the groundwater monitoring program? [9-74(a)(1)]
Y N N/A	15. Has all detection monitoring data, including statistical analysis, been submitted to the DEQ within 60 days of sampling? [9-74(a)(2)]
Y N N/A	If a statistically significant increase was found since the last in-depth inspection, continue; otherwise go to Item 2.
Y N N/A	16. Did the o/o notify the DEQ in writing within 14 days and place a notice in the operating record indicating which constituents have shown the increase? [9-74(d)(1)]
Y N N/A	17. Within 90 days of determining there was a statistically significant increase, did the o/o EITHER establish a DEQ-approved assessment monitoring program OR demonstrate that a source other than the facility caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality? [9-74(d)(2) & (d)(3)] If yes, identify which was done.
Y N N/A Y N N/A	Assessment monitoring (To be completed when assessment monitoring is required) 18. Has the o/o established a DEQ-approved assessment monitoring program? [9-91(a)] 19. Is assessment monitoring being performed at a frequency approved by the DEQ? [9-92] Identify the approved assessment monitoring frequency.
Y N N/A	20. Is assessment monitoring being performed for the constituents in Attachment 1 as well as the OAC 252:515, Appendix C constituents, OR a DEQ-approved set of alternative constituents? [9- 93]
Y N N/A	21. Is the o/o conducting assessment monitoring IAW the approved assessment monitoring plan? [Plan] If no, identify deficiencies.
2	LEACHATE MANAGEMENT
Y N N/A	Leachate collection system 1. For all disposal areas constructed after the effective date of OAC 252:515, has the o/o installed EITHER a composite liner and leachate collection system OR a DEQ-approved alternative design? [11-2(b), 11-2(c), & 13-31] If an alternative design is used, identify which cell(s) and provide a brief summary of the design.
Y N N/A Y N N/A Y N N/A Y N N/A	2. Did the o/o clean the leachate header pipes: a. after placement of the protective layer? [13-34(a)] b. after placement of the first lift of waste? [13-34(a)] and c. annually thereafter? [13-34(a)]
Y N N/A	3. Is the leachate collection system inspected at least quarterly to insure proper operation? [13-34(b)] If yes, briefly describe how the system is being inspected.

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Y N N/A	4. Has the leachate collection system performed as designed and approved by the DEQ? If yes, go to Item 2.5.
Y N N/A	a. Did the o/o submit a corrective action plan to the DEQ within 30 days from the discovery of the failure? [13-2(a)]
Y N N/A	b. Was the plan implemented within 30 days of DEQ approval? [13-2(b)]
Y N N/A	5. Has a final construction report for the leachate collection system been submitted to the DEQ? [13-35(a)]
Y N N/A	6. Did DEQ approve the final construction report before the placement of waste? [13-35(c)]
Leachate management/storage/treatment/disposal	
Y N N/A	7. Is leachate managed in a manner to prevent contamination? [13-51]
Y N N/A	8. Is leachate stored in above-ground tanks, underground tanks, or surface impoundments? If no, go to Item 2.9
Y N N/A	a. Are above-ground tanks equipped with:
Y N N/A	(1) berming adequate to contain the entire contents of the largest tank in the system [13-52(a)(1)] AND EITHER
Y N N/A	(2) a composite liner made of two feet (2') of recompacted clay with the hydraulic conductivity of 1.0×10^{-7} cm/sec overlain by a 60 mil HPDE liner [13-52(a)(2)], OR
Y N N/A	(3) a DEQ-approved alternative liner adequate to prevent infiltration of fluid? [13-52(a)(3)]
Y N N/A	b. Are underground tanks constructed IAW OCC's General Requirements for Underground Storage Tanks Systems, OAC 165:25, Subchapter 1, Part 8 to include the following: [13-52(b)]
Y N N/A	(1) If constructed of fiberglass reinforced plastic, is there a certification the tank conforms to UL 1316 or ASTM D4021-86? [OAC 165:25-1-34(1)]
Y N N/A	(2) If constructed of steel clad with fiberglass reinforced plastic, is there a certification the tank conforms to UL 1746 or ACT-100? [OAC 165:25-1-34(2)]
Y N N/A	(3) If constructed of steel and cathodically protected, is there a certification the tank conforms to STI-P3, UL 1746, and NACE RP-0285? [OAC 165:25-1-34(3)]
Y N N/A	(4) If constructed of metal without additional corrosion measures, has a corrosion expert determined the site is not corrosive enough to cause a release due to corrosion during the tank's operational life? [OAC 165:25-1-34(4)]
Y N N/A	c. Are surface impoundments constructed with:
Y N N/A	(1) a composite liner made of two feet (2') of recompacted clay with the hydraulic conductivity of 1.0×10^{-7} cm/sec overlain by a 60 mil HPDE liner [13-52(c) & 13-52(a)(2)], OR
Y N N/A	(2) a DEQ-approved alternative liner adequate to prevent infiltration of fluid [13-52(c) & 13-52(a)(3)] AND
Y N N/A	(3) surface water run-on control [13-52(c)(1)] AND
Y N N/A	(4) a minimum three feet freeboard [13-52(c)(2)]
Y N N/A	9. Is leachate treated by recirculation, irrigation, or by some other means? If no, go to Item 2.10.
Y N N/A	a. Recirculation
Y N N/A	(1) Is the o/o recirculating leachate IAW a DEQ-approved plan? [13-53(a) & (d)] Briefly describe the plan, if any, and any discrepancies between the plan and actual operations.
Y N N/A	(2) Is the o/o recirculating only over areas with a composite liner and leachate collection system? [13-53(b)]
Y N N/A	(3) Is the o/o performing routine testing to assess the effectiveness of the recirculation program? [13-53(c)]
Y N N/A	b. Irrigation
Y N N/A	(1) Is the o/o irrigating IAW a DEQ-approved plan? [13-54(a) & (e)] Briefly describe the plan, if any, and any discrepancies between the plan and actual operations.
Y N N/A	(2) Is irrigation occurring only for permanent vegetation over previously filled areas [13-54(b)]
Y N N/A	(3) Is irrigation occurring only when soil conditions are dry? [13-54(b)]
Y N N/A	(4) Is routine testing being done to ensure the leachate will not harm vegetation? [13-54(c)]
Y N N/A	(5) Are measures taken to ensure leachate is applied at appropriate rates so as to provide water to vegetation while preventing discharges from the facility? [13-54(d)]
Y N N/A	10. Is leachate discharged to a POTW? If no, go to Item 2.11.
Y N N/A	a. Does the o/o have written approval from the POTW to discharge leachate? [13-55(a)]
Y N N/A	b. Do all leachate discharges to the POTW comply with any additional requirements of the POTW? [13-55(b)] If applicable, identify any additional requirements the POTW may have to accept leachate.

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Y N N/A	c. Was a copy of the POTW approval provided to the DEQ and placed in the operating record? [13-55(c)]
Y N N/A	11. Is leachate discharged from the facility? If no, go to Item 2.12.
Y N N/A	a. Does the o/o have an OPDES permit from the Water Quality Division of the DEQ for the discharge?[13-56(a)]
Y N N/A	b. Does the o/o maintain a copy of the permit in the operating record? [13-56(b)]
Y N N/A	c. Do all leachate discharges comply with the provisions of the OPDES permit? [13-56(c)]
Y N N/A	12. Is leachate being managed by another method not described in Items 2.8, 2.9, 2.10, or 2.11? [19-57] If yes, briefly describe the alternative method.
Y N N/A	a. Has DEQ approved the alternative method? [13-57]
3	METHANE GAS MONITORING
	Gas monitoring probe (GMP) installation/construction
Y N N/A	1. Have GMPs been installed along the permit boundary, spaced at least 1000 feet apart (500 feet on any side where off-site structures are located within 1/2 mile of the facility)? [15-4(b) & 15-4(b)(1)] If no, describe how they are installed.
Y N N/A	a. Are the alternative spacings and/or locations approved by the DEQ? [15-4(b)(2)]
Y N N/A	2. Is each GMP constructed IAW applicable requirements of the OWRB at OAC 785:35, including the following: [15-4(a) & 7-3]
Y N N/A	a. Does the GMP casing extend a minimum of two (2) feet above the surface of each GMP? [OAC 785:35-7-1(c)(2)((D))]
Y N N/A	b. Is a concrete or cement surface pad (3' in diameter, 3.5" thick) installed around each GMP and sloped to ensure water flows away from the GMP? [OAC 785:35-7-2(b)(7)(A) & (B)]
Y N N/A	c. Does an aluminum or steel protective casing extend a minimum of two (2) feet above the surface of each GMP? [OAC 785:35-7-2(b)(9)(A)]
Y N N/A	d. Is the latitude, longitude, and surface elevation measured by a licensed surveyor permanently marked on the casing of each GMP? [7-3(4)]
Y N N/A	e. Is a threaded or flanged cap or compression seal installed on top of each well casing? [OAC 785:35-7-2(b)(8)(A)]
Y N N/A	f. Is the top of the protective casing of each GMP fitted with a locking cap and clearly identified as a MW? [OAC 785:35-7-2(b)(9)(A)]
Y N N/A	3. Did the o/o submit as-built drawings of the GMPs within 90 days of installation? [15-4(d)]
	Routine gas monitoring
Y N N/A	4. Is explosive gas monitoring performed at least quarterly? [15-3(c)]
Y N N/A	5. Is the gas measuring equipment calibrated immediately prior to each sampling event? [15-3(d)]
Y N N/A	6. Have methane levels exceeding 25% of the LEL been detected in facility structures or have methane levels exceeding the LEL been detected at the permit boundary since the landfill's last inspection? [15-5(a)] If no, go to Item 4.
Y N N/A	a. Did the o/o take immediate actions to protect human health? [15-5(a)(1)]
Y N N/A	b. Did the o/o immediately notify the DEQ? [15-5(a)(1)]
Y N N/A	c. Did the o/o, within seven (7) days, submit a report to the DEQ describing the steps taken to protect human health and the levels of methane gas detected? [15-5(a)(2)]
Y N N/A	d. Did the o/o, within 30 days of detection, submit a remediation plan to the DEQ for approval, describing the nature and extent of the problem and the proposed remedy? [15-5(a)(3)]
Y N N/A	e. Did the o/o, within 60 days of detection, implement the remediation plan? [15-5(a)(4)]
Y N N/A	f. If the plan was modified, did the o/o obtain written approval from the Department? [15-5(a)(4)(A)]
Y N N/A	g. Did the o/o notify the DEQ in writing when the remediation plan was implemented and a copy placed in the operating record? [15-5(a)(4)(B)]
4	STORMWATER MANAGEMENT
	Note: Contaminated stormwater includes stormwater from areas of the landfill that do not have 6" of waste-free daily cover.
Y N N/A	1. Has the o/o established a run-on control system to prevent flow onto active portions of the facility during the peak discharge from a 24-hour, 25-year storm? [17-2(1)]
Y N N/A	2. Has the o/o established a run-off control system with sufficient capacity to collect and control all contaminated stormwater resulting from a 24-hour, 25-year storm? [17-2(2)] If no, the o/o MUST have an OPDES General Permit for Storm Water Discharges from Industrial Activities (GP-00-01, Sector L) AND be in compliance with 4.12.
Y N N/A	3. Does the o/o prevent the discharge of pollutants into waters of the US, including wetlands, that violate the federal Clean Water Act or OPDES requirements? [17-3(a)2]
Y N N/A	4. Does the o/o prevent the discharge of a non-point source of pollution to waters of the US, including wetlands, that violate an area-wide or State-wide water quality management plan that has been approved in accordance with the federal Clean Water Act? [17-3(a)(3)]
Y N N/A	5. If the facility has any on- or off-site soil borrow areas of 1 acre or more, does the o/o have an OPDES stormwater permit for

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Y N N/A	construction sites? [17-3(b)(2) & OAC 252:606]
Y N N/A	6. Does the o/o have a Stormwater Pollution Prevention Plan (SWP3)? [17-3(b)(1) & OAC 252:605]
Y N N/A	7. Does the o/o have an OPDES General Permit for Storm Water Discharges from Industrial Activities GP-00-01, Sector L? [17-3(b)(1) & OAC 252:605]
Y N N/A	8. Does the o/o maintain copies of the SWP3 and OPDES permits in the operating record? [17-3(a)(4)]
Y N N/A	9. Did the o/o submit an Annual Comprehensive Site Compliance Evaluation Report to the DEQ by March 1 st of each year? [17-3(a)(4) & Sector L]
Y N N/A	10. At least once per quarter, does the o/o collect a rainwater sample for visual examination for rainfall events of 0.1 inches or more? [17-3(a)(4) & Sector L] If yes, go to Item 4.11.
Y N N/A	a. Did the o/o document that no rainfall event resulted in runoff from the facility during the quarter? [17-3(a)(4) & Sector L]
Y N N/A	11. Did the o/o perform a visual examination of the rainwater for color and extent, odor, clarity or turbidity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other indications of stormwater pollution? [17-3(a)(4) & Sector L] If yes, go to Item 4.11.a.
Y N N/A	a. Did the o/o file the results of the visual examination with the SWP3? [17-3(a)(4) & Sector L]
Y N N/A	12. Does the o/o allow contaminated stormwater to discharge from the facility? If no, go to Item 5.
Y N N/A	a. Does the o/o perform NELM monitoring for the constituents in Attachment 2 at least once per year? [17-3(a)(4) & Sector L] If no, go to Item 5.
Y N N/A	b. If NELM monitoring was performed, were the monitoring results ≤ the limits specified in Attachment 2? [17-3(a)(4) & Sector L] If no, identify which constituents exceeded their limits and the concentration noted.
Y N N/A	c. Did the o/o:
Y N N/A	(1) submit all NELM results to the DEQ by March 1 st of the year following the monitoring period? [17-3(a)(4) & Sector L]
Y N N/A	(2) include the date and duration of the rainfall event for which samples were collected, rainfall measurements, and the duration between the rainfall event and the previous event? [17-3(a)(4) & Sector L]
5	PROHIBITED WASTES
Y N N/A	1. Does the o/o prevent the disposal of hazardous, radioactive, regulated medical, and regulated PCB waste? [19-31(a) & (b)]
Y N N/A	2. Does the o/o accept friable asbestos waste? If no, go to Item 5.3.
Y N N/A	a. Does the facility permit authorize receipt of this waste? [19-31(c)]
Y N N/A	3. Does the o/o accept NHIW? If no, go to Item 6.
Y N N/A	a. Does the facility permit authorize receipt of this waste? [19-31(d)]
6	PUBLIC ACCESS CONTROL
Y N N/A	1. Are artificial or natural barriers in place to discourage unauthorized traffic and uncontrolled dumping? [19-32] If no, describe deficiencies noted.
7	MEASURING WASTE
Y N N/A	1. Has the o/o installed scales? [19-33(a)]
Y N N/A	2. Does the o/o weigh all waste upon receipt? [19-33(a)]
Y N N/A	3. Are the scales installed at or within five miles of the facility? [19-33(a)(1)] NOTE: This restriction is not applicable to federal or state military installations if the scales are located within the physical boundary of the installation and the landfill only receives waste from the installation [27A §2-10-802(a)(4)]
Y N N/A	4. Has the o/o ensured the scales are tested and certified annually in accordance with the requirements of the Oklahoma Department of Agriculture, Food, and Forestry? [19-33(a)(2)] Enter date of last certification.
Y N N/A	5. Have the scales been inoperative since the last inspection? If no, go to Item 7.6.
Y N N/A	a. Did the o/o determine waste volume by the total volume of containers received OR total volume of the vehicle delivering waste, whichever is applicable? [27A §2-10-802(A)(2)]
Y N N/A	b. Did the o/o place a notice in the operating record identifying the date and time the scales became inoperative, the steps taken to repair them, and the date use of the scales resumed? [27A §2-10-802(A)(2)]
Y N N/A	c. If more than 30 days passed after the scales became inoperative, did the o/o give written notice to the DEQ? [27A §2-10-802(A)(2)]
Y N N/A	6. Has the o/o claimed fee exemptions for waste that is productively reused or recovered and sold? If no, go to Item 7.7.
Y N N/A	a. Does the o/o maintain a written record of the weight or volume of waste received that was productively reused or recovered and sold? [27A §2-10-802(A)(3)]
Y N N/A	b. Is the reuse or recovery activity included in, and conducted in accordance with, the landfill's permit? [27A §2-10-802(A)(3)] If no, identify the calendar quarters and amounts of unauthorized fee exemptions claimed.

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Y N N/A Y N N/A	7. Has the o/o claimed fee exemptions for emergencies or other special events? If no, go to Item 7.8. a. Has the DEQ approved of the exemption? [27A §2-10-802(B)(3)(b)] If no, identify the calendar quarters and amounts of unauthorized fee exemptions claimed.
Y N N/A Y N N/A	8. Has the o/o submitted a return and appropriate fees to the Department within 30 days of the end of each calendar quarter, or DEQ-approved extension? [19-33(a)(4) & 27A §2-10-802(B)(7) & (B)(8)] If yes, go to Item 7.9. a. Did the o/o remit the appropriate penalty (5% for returns received either more than 30 days after the end of the quarter or after the extension date; 50% for returns received more than 60 days after the end of the quarter)? [2-10-802(B)(9) and OAC 252:515-19-33(a)(4)]
Y N N/A	9. Has the o/o filed monthly reports in the operating record and with the DEQ no later than the 15 th of the month following the reporting month? [19-33(a)(5)]
8	LIMITATIONS ON WASTES RECEIVED
Y N N/A	1. Does the o/o accept more than 200 tons of waste per day from locations more than 50 miles from the facility? If no, go to Item 8.2
Y N N/A	a. Is the landfill: (1) equipped with an approved composite liner and leachate collection system meeting the requirements of OAC 252:515? [19-34(a)(1)] AND
Y N N/A	(2) operated in full compliance with the requirements of OAC 252:515? [19-34(a)(1)] OR
Y N N/A	b. Has the DEQ approved a temporary waiver from the requirements of 8.1.a? [19-34(b)]
Y N N/A	2. Does the o/o accept more than 200 tons of waste per day from outside the State of Oklahoma? If no, go to Item 9.
Y N N/A	a. Is the landfill: (1) equipped with an approved composite liner and leachate collection system meeting the requirements of OAC 252:515? [19-34(c)(1)] AND
Y N N/A	(2) covered by an approved disposal plan meeting the requirements of OAC 252:515-19-34(d)? [19-34(c)(3)] AND
Y N N/A	(3) operated in full compliance with the requirements of OAC 252:515? [19-34(c)(4)]
Y N N/A	b. Did the o/o reject any shipments of out-of-state waste that did not meet the requirements of the disposal plan? [19-34(e)]
9	LITTER CONTROL
Y N N/A	1. Is blowing litter controlled by the use of litter fences near the working face or by use of a design that prevents blowing litter? [19-35(b)(1)]
Y N N/A	2. Does the o/o ensure unloading is performed in a manner to minimize scattering of litter? [19-35(b)(2)]
Y N N/A	3. Has the o/o posted signs advising customers to adequately cover loads to prevent blowing litter? [19-35(b)(3)]
Y N N/A	4. Does the o/o ensure the entire site is cleaned at least once per week, or more often if necessary? [19-35-(b)(4)]
Y N N/A	5. Does the o/o ensure approach roadways within one-half mile of the landfill are kept clean from litter? [19-35(c)]
10	AIR QUALITY CRITERIA
Y N N/A	1. Does the o/o appear to comply with all requirements of the Oklahoma Clean Air Act and rules of the Air Quality Division of the DEQ? [19-36(a)]
Y N N/A	2. Does the o/o prohibit the burning of solid waste? [19-36(b)]
Y N N/A	3. Does the o/o prevent the discharge of any visible fugitive dust emissions beyond the property boundaries that may damage or interfere with the use of adjacent properties, cause air quality standards to be exceeded, or interfere with the maintenance of air quality standards? [19-36(c)]
	Friable asbestos standards
Y N N/A	4. Does the o/o accept friable asbestos (whether authorized by the permit or not)? If no, go to Item 11.
Y N N/A	5. Does a natural barrier adequately deter access to the site by the general public? [40 CFR 61.154(b)] If yes, go to Item 10.6.
Y N N/A	a. Has the o/o installed a fence around the perimeter of the disposal site that is adequate to deter access by the general public? [40 CFR 61.154(b)(2)]
Y N N/A	6. Does the o/o perform ONE of the following: a. Cover ACWM with at least 6" of compacted non-asbestos containing material at least once each operating day or at least once every 24-hours for continuously operating facilities? [40 CFR 61.154(c)(1)] OR
Y N N/A	b. Cover ACWM with a resinous or petroleum-based dust suppression agent at least once each operating day or at least once every 24-hours for continuously operating facilities? [40 CFR 61.154(c)(2)] OR
Y N N/A	c. Utilize an alternative emission control method approved by DEQ's AQD? [40 CFR 61.154(d)]
	NOTE: Use of used, spent, or otherwise waste oil is not authorized for compliance with 10.6.b. Use of resinous or petroleum-based dust suppression agents or an alternative emission control method may require modification to the solid waste permit.
Y N N/A	7. Does the o/o maintain ACWM shipping papers for each load of ACWM received? [40 CFR 61.154(e)(1)] If no, go to Item 10.8.
Y N N/A	a. Do the ACWM shipping papers contain the following information: (1) Name, address, and phone number of the generator? [40 CFR 61.154(e)(1)(i)]
Y N N/A	(2) Name, address, and phone number of the transporter? [40 CFR 61.154(e)(1)(ii)]
Y N N/A	(3) Quantity of ACWM in cubic yards or cubic meters? [40 CFR 61.154(e)(1)(iii)]

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Y N N/A	(4) Identify the presence of improperly enclosed or uncovered waste, or any ACWM not sealed in leak-tight containers? [40 CFR 61.154(e)(1)(iv)]
Y N N/A	(5) The date of receipt of the ACWM? [40 CFR 61.154(e)(1)(v)]
Y N N/A	b. Does the o/o send a signed copy of the ACWM shipping paper to the generator within 30 days of receipt of the ACWM? [40 CFR 61.154(e)(2)]
Y N N/A	8. Has the o/o identified the presence of a significant amount of improperly enclosed or uncovered waste, or ACWM not sealed in leak-tight containers? If no, go to Item 10.9.
Y N N/A	a. Did the o/o report this in writing to both the NESHAP program contact for the state of origin of the ACWM and the DEQ's AQD? [40 CFR 61.154(e)(1)(iv)]
Y N N/A	9. Has the o/o identified discrepancies between the waste quantity recorded on the shipping paper and that received? If no, go to Item 10.10.
Y N N/A	a. Did the o/o attempt to resolve the discrepancy? [40 CFR 61.154(e)(3)]
Y N N/A	b. If the discrepancy was not resolved with 15 days, did the o/o report this in writing to both the NESHAP program contact for the state of origin of the ACWM and the DEQ's AQD? [40 CFR 61.154(e)(3)]
Y N N/A	10. Does the o/o maintain a copy of the items identified in Items 10.7 through 10.9 for at least 2 years? [40 CFR 61.154(e)(4)]
Y N N/A	11. Does the o/o maintain a map or diagram of the asbestos disposal area? [40 CFR 61.154(f)] If no, go to Item 10.12.
Y N N/A	a. Does the map/diagram show the location of ACWM? [40 CFR 61.154(f)]
Y N N/A	b. Does the map/diagram show the depth and areal extent of ACWM? [40 CFR 61.154(f)]
Y N N/A	c. Does the map/diagram show the quantity, in cubic yards or cubic meters, of ACWM? [40 CFR 61.154(f)]
Y N N/A	12. Has the o/o excavated or otherwise disturbed any ACWM that has been previously disposed? If no, go to Item 10.13.
Y N N/A	a. Did the o/o notify the DEQ's AQD at least 45 days in advance? [40 CFR 61.154(j)]
Y N N/A	b. Did the o/o notify the DEQ's AQD at least 10 working days in advance, if excavation was to begin on a date different than that provided in 23.13.a. above? [40 CFR 61.154(j)]
Y N N/A	c. Did the o/o ensure excavation did NOT begin on a date earlier than that provided to the DEQ's AQD? [40 CFR 61.154(j)]
Y N N/A	d. Did the notification include the following:
Y N N/A	(1) Scheduled starting and completion dates? [40 CFR 61.154(j)(1)]
Y N N/A	(2) Reason for disturbance of the ACWM? [40 CFR 61.154(j)(2)]
Y N N/A	(3) Procedures to be used for control of emissions during excavation, storage, transport, and ultimate disposal of the excavated ACWM? [40 CFR 61.154(j)(3)]
Y N N/A	(4) The location of any temporary storage site and the final disposal site? [40 CFR 61.154(j)(4)]
Y N N/A	13. Does the o/o make all asbestos-related records available upon request? [40 CFR 61.154(i)]
11	DISEASE VECTOR CONTROL
Y N N/A	1. Does the o/o take measures to control disease vectors? [19-37(b)]
12	PLACEMENT OF WASTES
Y N N/A	1. Does the o/o prevent solid waste from being placed in waters that communicate with waters of the State located outside the permit boundary? [19-38(a)]
Y N N/A	2. Does the o/o maintain waste-free buffer zones at least 50' in width (100' for areas not permitted for disposal prior to July 1, 1994) between all waste disposal and/or handling areas and adjacent property? [19-38(b)] If yes, go to Item 12.3.
Y N N/A	a. Has the DEQ approved the smaller buffer zone? [19-38(b)(4)]
Y N N/A	3. If the buffer zone or other restricted areas are used for the temporary collection and storage of source-separated, recyclable materials, is such used described in an approved recycling plan? [19-38(c)]
13	SALVAGE AND RECYCLING
Y N N/A	1. Does the o/o carry on salvage or recycling operations? If no, go to Item 14.
Y N N/A	a. Does the o/o have an approved written operational plan for the salvage/recycling operations? [19-39(a)]
Y N N/A	b. Does the o/o conduct salvage/recycling activities in an area away from the working face? [19-39(b)]
14	RECORDKEEPING AND REPORTING
Y N N/A	1. Does the o/o maintain an operating record near the landfill, containing all records concerning the planning, construction, operation, closing, and post-closure monitoring of the landfill? [19-40(a) & (b)]
Y N N/A	2. Does the o/o maintain the operating record until the post-closure monitoring period is terminated? [19-40(a)]
Y N N/A	3. If the MSWLF accepts NHIW, does the o/o maintain records of the type, quantity, and source of NHIW received from persons disposing of more than 10 cubic yards of NHIW per month? [31-4]
Y N N/A	4. Does the o/o submit NHIW records to the DEQ no later than the last day of the month following the reporting month? [31-4]
15	DAILY COVER
Y N N/A	1. Does the o/o ensure waste is covered with at least six inches of waste-free, compacted earthen material at the end of each operating day--more frequently if necessary? [19-51(c)(3)] If yes, go to Item 16.
Y N N/A	a. Has the o/o received DEQ approval for use of an alternative cover material or frequency? [19-51(d)] If yes, briefly describe the alternative material that is authorized, and any special conditions on its use.
Y N N/A	b. Is the alternative cover being used in accordance with the DEQ approval? [Permit] Briefly describe any discrepancies

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	between what is authorized and what is actually done.
16 Y N N/A Y N N/A Y N N/A Y N N/A	<p>INTERMEDIATE COVER</p> <p>1. Has the o/o installed at least 18" of waste-free compacted earthen material on all areas not protected by final cover or managed with run-off control structures? [19-52(a) & (c)] If yes, go to Item 16.2.</p> <p>a. Has the o/o received DEQ approval for use of an alternative intermediate cover? [19-52(d)] If yes, briefly describe the alternative cover that is approved and any special conditions on its use, if applicable.</p> <p>b. Is the alternative cover being applied in accordance with the DEQ approval? [Permit] Briefly describe any discrepancies between what is authorized and what is actually installed, if any.</p> <p>2. If installed, is the intermediate cover capable of sustaining vegetation? [19-52(b)]</p>
17 Y N N/A Y N N/A	<p>FINAL COVER</p> <p>1. Has the o/o installed final cover on any portion of the landfill after the effective date of OAC 252:515? If no, go to Item 18.</p> <p>2. Does final cover include:</p> <p>a. a barrier layer comprised of a minimum of 24" of waste-free earthen material with a hydraulic conductivity \leq the hydraulic conductivity of any bottom liner or natural subsoils present, or $\leq 1 \times 10^{-5}$ cm/sec, whichever is less? [19-53(a)(1) & (a)(7)] and</p> <p>b. an erosion layer consisting of at least 1' of waste-free soil capable of sustaining plant growth? [19-53(a)(2) & (a)(7)]</p> <p>3. Is the final cover gradient on top of the fill 4% (25:1), or a DEQ-approved alternative gradient? [19-53(a)(3)]</p> <p>4. Is the final side slope gradient \leq 25% (4:1)? [19-53(a)(4)]</p> <p>5. Is vegetation established? [19-53(a)(5)]</p> <p>6. Is the final cover contoured to prevent ponding and erosion? [19-53(a)(6)]</p> <p>7. Is an FML equivalent to that used in the bottom liner system installed between the barrier layer and erosion layer for those areas equipped with a composite liner? [19-53(b)]</p> <p>8. If any of Items 17.2 through 17.7 are no,</p> <p>a. Has the DEQ approved the alternative final cover design? [19-53(c)] If yes, briefly describe the alternative final cover that is approved.</p> <p>b. Is the alternative final cover installed in accordance with the DEQ approval? [Permit] Briefly describe any discrepancies between what is authorized and what is actually installed.</p>
18 Y N N/A Y N N/A Y N N/A Y N N/A	<p>VEGETATIVE COVER</p> <p>1. Does the landfill exceed 50 feet above natural surface contours & accept more than 200 tons per day of solid waste? If no, go to Item 19.</p> <p>a. Does the o/o have an approved vegetative cover plan? [27A O.S. §2-10-801.1]</p> <p>b. Has the o/o established permanent or interim vegetation in all disposal areas that have been undisturbed for 90 days or more? [19-54(1)]</p> <p>c. Is the vegetation free of deep-rooted plants, trees, or other similar vegetation? [19-54(5)]</p>
19 Y N N/A	<p>SOIL BORROW AREAS</p> <p>1. Has the o/o reclaimed on- or off-site soil borrow areas within 180 days of the date the area ceased being used? [19-55] Briefly describe any soil borrow areas that have ceased being used for 180 days, whether they have been reclaimed or not, and how they were reclaimed, if applicable.</p>

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<p>20 Y N N/A Y N N/A Y N N/A Y N N/A Y N N/A</p>	<p>LIQUIDS RESTRICTIONS</p> <ol style="list-style-type: none"> 1. Does the o/o accept bulk or non-containerized liquids? If no, go to Item 20.2. <ol style="list-style-type: none"> a. Is the liquid a household waste other than septic waste? [19-71(1)] b. Is the liquid leachate or gas condensate from the portion of the MSWLF with a composite liner and leachate collection system? [19-71(2)] c. Is the liquid sufficiently bulked with soil or other approved material to pass the PFLT? [19-71(3)] d. Has the o/o obtained a DEQ-approved liquids bulking plan? [19-74(a)] e. Are mixing activities conducted over lined areas or in an area with secondary containment? [19-74(b)] f. Are mixing activities done in an area away from the working area unless approved by the DEQ? [19-74(c)] 2. Does the o/o accept containers holding liquid wastes? If no, go to Item 20.3. <ol style="list-style-type: none"> a. Is the container a small container similar in size to that normally found in household trash? [19-72(1)] b. Is the container designed to hold liquids for use other than storage? [19-72(2)] c. Is the waste household waste? [19-72(3)] 3. Does the o/o accept municipal sewage sludge treated to Class B requirements as described in 40 CFR 503.32(b)? If no, go to Item 21. <ol style="list-style-type: none"> a. Does the sludge pass the PFLT? [19-73]
<p>21 Y N N/A</p>	<p>CONTROL OF EMISSIONS</p> <ol style="list-style-type: none"> 1. Does the o/o comply with the provisions of OAC 252:100-47, Control of Emissions from Existing Municipal Solid Waste Landfills, and 40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills? [19-75]
<p>22 Y N N/A Y N N/A Y N N/A Y N N/A Y N N/A Y N N/A Y N N/A Y N N/A</p>	<p>CLOSURE</p> <p>Prior to closure</p> <ol style="list-style-type: none"> 1. Has the o/o submitted a closure plan describing how compliance with Part 3 of OAC 252:515-25 will be achieved? [25-2(a)] 2. Did the o/o submit a revised closure plan when a cost estimate adjustment is required or whenever a modification to the permit will affect closure duties or requirements? [25-2(c)] <p>Required closure activities for each cell and the entire landfill</p> <ol style="list-style-type: none"> 3. Did the o/o provide the DEQ written notice of intent to close the facility or a disposal cell prior to beginning closure? [25-33(a)] 4. Did the o/o begin final closure of the facility or disposal cell within 90 days of the final receipt of waste at the facility or into the cell, as applicable? [25-33(b)] 5. Did the o/o complete closure activities within 180 days of when closure was initiated, or a longer period as approved by the DEQ? [25-33(c)(1) & (2)] 6. Did the o/o complete closure IAW the approved closure plan [25-31] <p>Required closure activities for final closure of the landfill</p> <ol style="list-style-type: none"> 7. Did the o/o submit a closure certification to the DEQ? [25-34(a)] If no, go to Item 22.8. <ol style="list-style-type: none"> a. Was the certification signed by the o/o? [25-34(a)(1)] b. Did the certification state the facility was closed IAW the approved closure plan, the permit, and applicable rules? [25-34(a)(2)] c. Did the certification contain a closure report with related drawings, plans or specifications, describing how closure was performed? [25-34(a)(3)] d. Did the certification indicate whether elevated levels of any constituents were noted or if there was evidence of contamination related to site operations? [25-34(a)(4)] e. Did the certification identify any corrective measures taken to correct any of the problems identified in 22.7.d? [25-32(a)(4)] f. If the landfill served a population or population equivalent of 5,000 or more, was the closure certification prepared and sealed by a PE registered in Oklahoma? [25-34(c)] 8. Did the o/o record a notice in the county land records? [25-36(a)] If no, go to Item 23 <ol style="list-style-type: none"> a. Did the notice state that the property had been used as a landfill and has been closed? [25-36(a)] b. Did the notice specify the type, location, and quantity of waste disposed? [25-36(b)] c. Did the notice identify the required PC monitoring period and state the facility will be monitored for at least this period of time? [25-36(c)(1)] d. Did the notice state that a survey plat and record of the disposal locations and elevations is filed with the DEQ and an identified city or county? [25-36(c)(2)] e. Did the notice state that future uses may be restricted IAW OAC 252:515-25-57? [25-36(c)(3)] f. Did the o/o provide the DEQ with a file stamped copy of the notification? [25-36(d)]
<p>23 Y N N/A Y N N/A</p>	<p>POST-CLOSURE</p> <p>Prior to post-closure</p> <ol style="list-style-type: none"> 1. Has the o/o submitted a post-closure plan describing how compliance with Part 5 of OAC 252:515-25 will be achieved? [25-2(b)] 2. Did the o/o submit a revised post-closure plan when a cost estimate adjustment is required or whenever a modification to the

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	<p>permit will affect post-closure duties or requirements? [25-2(c)]</p> <p>Operational requirements for landfills in post-closure after the effective date of OAC 252:515</p> <p>Y N N/A 3. Does the o/o maintain fences and locked gates for access control? [25-54(a)(1)]</p> <p>Y N N/A 4. Does the o/o maintain signs on the outer perimeter providing notice the site is a closed landfill? [25-54(a)(1)]</p> <p>Y N N/A 5. Does the o/o submit a post-closure maintenance and monitoring report no later than April 1st of each year? [25-54(a)(2)]</p> <p>Y N N/A 6. Does the o/o monitor groundwater at least semi-annually, or a frequency approved by the DEQ? [25-54(b)(1)(A)]</p> <p>Y N N/A 7. Does the o/o perform gas monitoring at least semi-annually? [25-54(b)(1)(B)]</p> <p>Y N N/A 8. Does the o/o maintain the LCS to ensure leachate is collected, treated, and/or disposed IAW OAC 252:515, Subchapter 13? [25-54(b)(2)(A)]</p> <p>Y N N/A 9. Is the LCS equipped with a method for automatic and continuous removal of leachate? [25-54(b)(2)(B)]</p> <p>Y N N/A 10. If untreated leachate is stored on-site, does the permit provide a specified method and capacity for storage? If no, go to Item 23.11.</p> <p>Y N N/A a. Is the o/o storing the leachate IAW the approved method? [25-54(b)(2)(C)] Briefly describe the storage method, whether approved or not.</p> <p>Y N N/A 11. Does the o/o maintain the final cover IAW Item 17 and make repairs as necessary to correct settlement, subsidence, erosion, ponding, etc? [25-54(b)(3)]</p> <p>Y N N/A 12. Does the o/o prevent post-closure use of the property? If yes, go to Item 23.13.</p> <p>Y N N/A a. Does the o/o ensure the post-closure use does not disturb the integrity of the final cover, the liner, any components of the containment system, or the function of the monitoring systems? [25-55(a)]</p> <p>Y N N/A b. Did the o/o receive DEQ approval before allowing the post-closure use of the property? [25-55(b)]</p> <p>Requirements at the conclusion of post-closure</p> <p>Y N N/A 13. Did the o/o submit a certification of post-closure performance to the DEQ? [25-56(a)] If no, go to Item 24.</p> <p>Y N N/A a. Did the certification state the facility was maintained and monitored IAW the approved post-closure plan, the permit, and applicable rules? [25-56(a)(1)]</p> <p>Y N N/A b. Did the certification indicate whether elevated levels of any constituents were noted or if there was evidence of contamination related to site operations? [25-56(a)(2)]</p> <p>Y N N/A c. Did the certification identify any corrective measures taken to correct any of the problems identified in 23.13.b? [25-56(a)(2)]</p> <p>Y N N/A d. If the landfill served a population or population equivalent of 5,000 or more, was the certification prepared and sealed by a PE registered in Oklahoma? [25-56(c)]</p>
24	<p>COST ESTIMATES & FINANCIAL ASSURANCE</p> <p>Y N N/A 1. Did the o/o submit calculations of the remaining life of site (as of December 31st of the previous year) no later than April 9 of each year? [27-8(c)] NOTE: Life of site must be based on areas constructed and approved for waste disposal, not on the entire permitted area.</p> <p>Currently approved remaining life: _____ years Date approved: _____</p> <p>Y N N/A 2. Did the o/o adjust cost estimates no later than:</p> <p>Y N N/A a. April 9 of each year (for all financial assurance mechanisms except corporate test/guarantee & local government test/guarantee)? [27-34(a)]</p> <p>Y N N/A b. 90 days after the end of the corporate fiscal year (if using a corporate test/guarantee)? [27-34(b)]</p> <p>Y N N/A c. 180 days after the end of the local government fiscal year (if using a local government test/guarantee)? [27-34(c)]</p> <p>Currently approved closure cost estimate: \$ _____ Date approved: _____</p> <p>Currently approved post-closure cost estimate: \$ _____ Date approved: _____</p> <p>Y N N/A 3. Has the o/o established financial assurance for closure and post-closure through one or more DEQ-approved financial assurance mechanisms? [27-2(a) & 27-3] Circle the financial assurance mechanism(s) used.</p> <p>Cash/Certificate of Deposit/Trust Fund/Escrow Account/Surety Bond/Letter of Credit/Insurance/Corporate financial test/Local Government Financial Test/Corporate guarantee/Local government guarantee/State approved mechanism</p> <p>Identify the current amount of each financial assurance mechanism:</p> <p>Cash \$ _____</p> <p>Certificate of Deposit: \$ _____</p> <p>Trust Fund: \$ _____</p> <p>Escrow Account: \$ _____</p>

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	Surety Bond: \$ _____
	Letter of Credit \$ _____
	Insurance: \$ _____
	Corporate test/guarantee: \$ _____
	Local government test/guarantee: \$ _____
	Other: \$ _____
	Grand Total: \$ _____
Y N N/A	4. If more than one financial assurance mechanism is used, does the amount of financial assurance for all mechanisms total at least the approved cost estimates? [27-72(b)]
	Additional questions for financial assurance mechanisms
	Cash
Y N N/A	5. Is the amount of cash deposited with the State Treasury equal to the approved cost estimates? [27-74(a)]
Y N N/A	6. Did the o/o submit documentation to the DEQ showing the cash was deposited with the State Treasury? [27-74(c)]
	Certificate of deposit
	Identify the issuing bank(s) _____
Y N N/A	7. Is the certificate of deposit in an amount equal to the approved cost estimates? [27-75(a)]
Y N N/A	8. Did the o/o submit a copy of the CD to the DEQ? [27-75(d)]
	Trust fund/Escrow account
	Identify the trust/escrow bank _____
Y N N/A	9. Was this facility accepting waste on or before April 9, 1997?
Y N N/A	10. If yes, does the o/o make adequate payments into the trust fund/escrow account no later than April 9 th of each year to ensure the trust/escrow is fully funded by April 9, 2011 or the economic life of the facility, whichever is shorter? [27-76, 27-77]
	Identify the amount and date of last deposit: \$ _____ / _____
Y N N/A	11. If no,
Y N N/A	a. Identify the date of initial receipt of waste _____
Y N N/A	b. Does the o/o make adequate payments into the trust fund/escrow account no later than April 9 th of each year to ensure the trust/escrow is fully funded within 15 years of the initial receipt of waste, or the economic life of the facility, whichever is shorter? [27-76, 27-77]
	Identify the amount and date of last deposit: \$ _____ / _____
Y N N/A	12. Did the o/o submit a copy of the trust/escrow agreement to the DEQ? [27-76(d), 27-77(d)]
	Surety bond
	Identify the Surety company _____
Y N N/A	13. Did the o/o submit a copy of the surety bond to the DEQ? [27-78(c)]
Y N N/A	14. Is the surety company listed in Circular 570 of the U.S. Dept. of the Treasury? [27-78(d)]
Y N N/A	NOTE: Circular 570 may be found at http://www.fms.treas.gov/c570/c570.html .
Y N N/A	15. Is the penal sum of the bond in an amount equal to at least the approved cost estimates? [27-78(e)]
Y N N/A	16. Did the o/o establish a standby trust fund? [27-78(g)]
	Letter of credit
	Identify the bank issuing the letter of credit _____
Y N N/A	17. Did the o/o submit a copy of the LOC to the DEQ? [27-79(b)]
Y N N/A	18. Is the letter of credit in an amount equal to the approved cost estimates? [27-79(e)(2)]
	Insurance
	Identify the insurance company _____
Y N N/A	19. Did the o/o submit a copy of the insurance policy to the DEQ? [27-80(d)]
Y N N/A	20. Is the face amount on the insurance policy equal to the approved cost estimates? [27-80(e)(1)]
	Corporate test/guarantee
	Identify the corporation _____
	Identify the date the corporate fiscal year ends: _____
Y N N/A	21. Did the o/o submit the information in OAC 252:515-27-81(c) to the DEQ and place it in the operating record within 90 days of the end of the corporate fiscal year? [27-81(c)]
	Local government test/guarantee
	Identify the local government _____
	Identify the date the local government fiscal year ends: _____
Y N N/A	22. Did the o/o submit the information in OAC 252:515-27-82(h) and place it in the operating record within 180 days of the end of the local government fiscal year? [27-82(h)]

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25	WASTE EXCLUSION
Y N N/A	1. Does the o/o have an approved WEP? [29-2(a)] Briefly describe the WEP requirements and list wastes to be excluded from the landfill:
Y N N/A	2. Does the o/o perform random inspections of incoming loads? [29-3(a)] If yes, describe how random inspections are conducted and whether they are conducted IAW the approved WEP.
Y N N/A	If no, a. Does the o/o take other measures to ensure prohibited wastes are not received? [29-3(a)] If yes, identify those measures
Y N N/A	3. Does the o/o maintain records of the random inspections? [29-3(b)] If no, go to Item 25.4.
Y N N/A	a. Do the records include date and time of the inspection? [29-3(b)(1)]
Y N N/A	b. Do the records include the name of the person conducting the inspection? [29-3(b)(2)]
Y N N/A	c. Do the records include results of the random inspection? [29-3(b)(3)]
Y N N/A	4. Have all gate attendants and facility operators received an initial 8 hours of training in waste exclusion and radioactivity? [29-3(c)]
Y N N/A	5. Have all gate attendants and facility operators received a 4-hour annual refresher in waste exclusion and radioactivity? [29-3(c)(3)] Identify the date of the last training _____
Y N N/A	6. Are trained personnel on-site during all hours the facility is open to accept waste? [29-3(d)]

ATTACHMENT 1

**CONSTITUENTS FOR BACKGROUND WATER QUALITY AND DETECTION MONITORING
(Check those which were performed, use "NR" for those the DEQ has determined are not required)**

- ___ Groundwater elevation
- ___ Rate and direction of groundwater flow

General Chemistry

- ___ pH
- ___ COD
- ___ Specific conductivity
- ___ Chloride
- ___ Sulfate
- ___ Calcium
- ___ Magnesium
- ___ Nitrates
- ___ Sodium
- ___ Carbonates
- ___ Potassium

Volatile Organics

- ___ Acetone
- ___ Acrylonitrile
- ___ Benzene
- ___ Bromochloromethane
- ___ Bromodichloromethane
- ___ Bromoform; Tribromomethane
- ___ Carbon disulfide
- ___ Carbon tetrachloride
- ___ Chlorobenzene
- ___ Chloroethane; Ethyl chloride
- ___ Chloroform; Trichloromethane
- ___ Dibromochloromethane; Chlorodibromomethane
- ___ 1,2-Dibromo-3-chloropropane; DBCP
- ___ 1,2-Dibromoethane; Ethylene dibromide; EDB
- ___ o-Dichlorobenzene; 1,2-Dichlorobenzene
- ___ p-Dichlorobenzene; 1,4-Dichlorobenzene
- ___ trans-1,4-Dichloro-2-butene
- ___ 1,1-Dichloroethane; Ethylidene chloride
- ___ 1,2-Dichloroethane; Ethylene dichloride
- ___ 1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride
- ___ cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene
- ___ trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene
- ___ 1,2-Dichloropropane; Propylene dichloride
- ___ cis-1,3-Dichloropropene
- ___ trans-1,3-Dichloropropene
- ___ Ethylbenzene
- ___ 2-Hexanone; Methyl butyl ketone
- ___ Methyl bromide; Bromomethane
- ___ Methyl chloride; Chloromethane
- ___ Methylene bromide; Dibromomethane
- ___ Methylene chloride; Dichloromethane
- ___ Methyl ethyl ketone; MEK; 2-Butanone
- ___ Methyl iodide; Iodomethane
- ___ 4-Methyl-2-pentanone; Methyl isobutyl ketone
- ___ Styrene
- ___ 1,1,1,2-Tetrachloroethane
- ___ 1,1,2,2-Tetrachloroethane
- ___ Tetrachloroethylene (Tetrachloroethene; Perchloroethylene)
- ___ Toluene
- ___ 1,1,1-Trichloroethane; Methylchloroform
- ___ 1,1,2-Trichloroethane

- ___ Trichloroethylene; Trichloroethene
- ___ Trichlorofluoromethane; CFC-11
- ___ 1,2,3-Trichloropropane
- ___ Vinyl acetate
- ___ Vinyl chloride
- ___ Xylenes

Total Metals

- ___ Antimony
- ___ Arsenic
- ___ Barium
- ___ Beryllium
- ___ Cadmium
- ___ Chromium
- ___ Cobalt
- ___ Copper
- ___ Lead
- ___ Nickel
- ___ Selenium
- ___ Silver
- ___ Thallium
- ___ Vanadium
- ___ Zinc

ATTACHMENT 2
Numeric Effluent Limitation Monitoring (NELM)

___ BOD5:	140 mg/l, daily max 37 mg/l, monthly avg. maximum
___ TSS:	88 mg/l, daily max 27 mg/l, monthly avg. maximum
___ Ammonia:	10.0 mg/l, daily max 4.9 mg/l, monthly avg. maximum
___ Zinc:	0.20 mg/l, daily max 0.11 mg/l, monthly avg. maximum
___ Alpha Terpineol:	0.033, daily max 0.016 mg/l, monthly avg. maximum
___ Benzoic Acid:	0.12 mg/l, daily max 0.071 mg/l, monthly avg. maximum
___ p-Cresol:	0.025 mg/l, daily max 0.014 mg/l, monthly avg. maximum
___ Phenol:	0.026 mg/l, daily max 0.015 mg/l, monthly avg. maximum
___ pH:	within the range of 6.5-9 pH units

Discharges of contaminated stormwater are authorized under Sector L provided the discharges meet the NELM values listed above.