CONSTRUCTION AND DEMOLITION LANDFILLS						
New Permits or Expansion of Permitted Boundary						
			(Shaded areas for DEQ use only)			
Facility Name:						
Applicant:	OAC 252:515					
County:	Date:					
ODEQ Login/Permit No:		Tier Classification III:				
Administrative Reviewer:	Start Date:	Completion Date:	Deadline:			
Technical Reviewer:	Start Date:	Completion Date:	Deadline:			

ITEM #	State or Federal Regulations Statutes or DEQ Rules (OAC) or Guidelines*	GENERAL DESCRIPTION	Admin Complete	Technically Complete	Remarks
FILING	OF APPLICATION				
PUBLIC PARTICIPATION		Information regarding the pending application shall be made available to the public as required in 252:004-7-13. This notice is to allow concerned individuals an opportunity to voice opposition or support.			
1	252:004-7-13	Public Notice shall be made with proof submitted to the Department consisting of a copy of the publication in one newspaper, in addition to an affidavit from the publishers showing the date of publication. Applicants shall certify by affidavit that they own the real property, have a current lease or easement which is given to accomplish the permitted purpose or have provided legal notice to the landowner. Applicants for a landfill permit shall also provide notice by certified mail, return receipt requested, to owners of mineral interests and to adjacent landowners whose property may be substantially affected by installation of a landfill site.			
APPLIC	ATION	Prior to filing a formal application, it is recommended that a <u>Preliminary Site Evaluation</u> be completed to determine if the proposed site meets the location standards as required in 252:515-5.			
VERIFIC	VERIFICATION/CERTIFICATION				
2	252:515-3-33,34	Application signed under oath by the owner/operator on forms provided by DEQ. Legal Right to Property: Assurance of sufficient interest in the land for which the permit is sought to construct and operate, in addition to right of access & Easement to DEQ.			
3	252:515-3-35	Engineer of Record shall affix his/her seal to the application page and each map & drawing, as certification that the information is accurate & verifiable.			

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GENE	RAL INFORMATION				
4	252:515-3-36(a)(1)	Owner/Operator: Name, mailing address, & phone number.			
5	252:515-3-36(a)(2)	Facility Name and Type , physical address, phone number.			
6	252:515-3-36(a)(3)	Disclosure Statement (27A O.S. Supp. 1993, 2-10-103 & 302).			
7	252:515-3-36(a)(4) & (a)(5)	Legal description by metes and bounds of proposed permit boundary and waste disposal areas. To include latitude, and longitude of all corners of the proposed permit boundary.			
8	252:515-3-36(a)(6) & 3-52	Location: Both physical and mailing addresses; and location on a county highway map with respect to nearest town or city and airports within 6 miles.			
9	252:515-3-36(a)(7)	Operations: Brief description of all processing, storage and proposed disposal operations and units.			
10	252:515-3-36(a)(8)	Waste: Description of anticipated waste streams including type, source, & anticipated daily volumes.			
11	252:515-3-36(a) (9) & (a)(10)	Population: Population or population equivalent served. Names of cities and/or counties in service area.			
12	252:515-3-36(a)(11)	Access Roads: Type of road construction & materials. All roads within the site must be passable under all weather conditions.			
13	252:515-3-37	Aesthetic Enhancement: Construction plan & maps showing features to reduce dust & noise, and enhance visual harmony of facility with surrounding area.			
14	252:515-3-38(7)	Life: Anticipated life of site as calculated by OAC 252:515- 27-8.			

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MAPS & DRAWINGS:		Complete maps, plans, specifications, and narrative demonstrating the proposed site as designed & constructed, are required as outlined in: 252:515-3-51, 252:515-3-52, 252:515-3-53, 252:515-3-54, 252:515-3-55, 252:515-3-56, and 252:515-3-57. The narrative should provide design specifications for receiving & processing areas, surface water protection measures, & any other site item requiring explanation.			
15	252:515-3-52	General Location Map: County Highway map or municipality map, if available, showing location of proposed site and any airports within six (6) miles.			
16	252:515-3-53	Flood Plain Map: A Flood Plain map from an approved source depicting the 100 year flood plain on or adjacent to the proposed site.			
17	252:515-3-54	Quadrangle Topographic Map: An original USGS map showing the location of site permit boundaries. Also the map shall depict: access routes; homes & buildings; water wells; public water & waste water collection, treatment, & distribution facilities; and receiving waters & surface variations within one (1) mile of site.			
18	252:515-3-55	Existing Contour Map: A constructed map showing topographic contours, contour interval not to be greater than two (2) feet, and location & quantities of surface drainage entering & exiting site.			
19	252:515-3-56	Site Map: May be plotted on existing contour map (above map). To include dimensions of permit boundary; receiving, processing, storage or disposal areas; buffer zones; permanent bench marks, borehole and well locations with surface and top of casing elevations; surface drainage; fencing, gates, utility lines, pipelines and easements; access roads; employee & equipment shelters; and on- & off-site borrow areas.			
20	252:515-3-57	Design drawings: Provide necessary details of the design drawings & specifications for receiving, processing, storage or disposal areas, liner construction, leachate collection systems, typical well installations, monitor wells, gas monitoring probes and piezometers, dike sections, drainage channels, retention structures or other ground water & surface water protection measures, and any other specific site items requiring explanation.			
21	252:515-3-72, 73, 74, 75, & 76	Additional Maps: Groundwater resource and usage map; Surface geology map; Highest groundwater contour map; Potentiometric surface map; and Site specific cross sections.			

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ITEM #	State or Federal Regulations Statutes or DEQ Rules (OAC) or	GENERAL DESCRIPTION	Admin Complete	Technically Complete	Remarks
22	252:515-3-77	Fill cross section map.			
23	252:515-3-78	Excavation contour map.			
24	252:515-3-79	Top of liner contour map.			
25	252:515-3-80	Completion map showing how the new facility or expansion is expected to look when it is completed, including final contours.			
LOCAT	FION STANDARDS:	The following location restrictions are to be addressed:			
26	252:515-5-31(a)	Scenic Rivers: Not to be located within the drainage basin of any river designated under Oklahoma Scenic Rivers Commission (OSRC) Act unless statement of no adverse effect is obtained from OSRC or Oklahoma Tourism & Recreation Department and submitted to DEQ.			
27	252:515-5-31(b)	Recreation/Preservation Areas: Not to be located within one-half (1/2) mile of area dedicated & managed for public recreation or natural preservation by any governmental agency. Exceptions granted if application includes statement from appropriate agency that proposed site not expected to adversely affect recreation or natural area.			
28	252:515-5-31(c)	Endangered & Threatened Species: Statement required from Oklahoma Department of Wildlife (ODWC) and Oklahoma Biological Survey (OBS) concerning endangered or threatened wildlife or plant species within one (1) mile of proposed site. If exist, impact statement required and mitigation plan approved by ODWC or OBS to be submitted to DEQ.			
29	252:515-5-32(a) 252:515-3- 53	100 Year Flood Plain and map: No waste management or disposal areas shall be located within the 100 Year Flood Plain. 100 year flood level & boundaries to be furnished in application. DEQ may grant a variance provided subsequent redefinition of the flood plain does not include the waste management or disposal areas.			
30	252:515-5-32(b)	Public Water Supply: Not to be located within one (1) mile up-gradient of a public water supply surface water intake or one year time of travel of a public water supply well. Wellhead delineation to be performed and submitted with the application.			

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31	252:515-5-32(c)	Wellhead Protection Area: If any new waste management or disposal areas will be located within two miles of a public water supply well, a wellhead protection area shall be identified and submitted to the DEQ.			
32	252:515-5-32(d)	Wetlands: Not to be located in wetlands. Letter required from Oklahoma Conservation Commission (OCC) stating proposed site not located in wetlands. Exception upon demonstration that all of the following can be made and verified: Rebuttable presumption, No harm, No degradation, No net loss, and Sufficient information is available.			
33	252:515-5-51(a)	Terrace Deposits: Not to be located within an area designated as alluvium or terrace deposits and their recharge areas, as shown on "Maps of Aquifers and Recharge Areas in Oklahoma". Exception if demonstration with site-specific hydrological and geological data or other information that proposed location does not lie in a prohibited area.			
34	252:515-5-52(a)	Utility Separation: A minimum horizontal separation of twenty-five (25) feet shall be maintained from any above- ground or underground pipeline; or transmission line.			
35	252:515-5-52(b)	Fault Areas. No new waste management or disposal areas shall be located within 200 feet of a fault that has had displacement in the Holocene time. Exception upon demonstration that alternative setback is protective of human health and the environment and damage to the structural integrity of the disposal cell will be prevented.			
36	252:515-5-52(c)	Seismic Impact Zones. No new Waste Management or disposal areas shall be located in a seismic impact zone. Exception upon demonstration that all containment structures (liners and surface water control systems) are designed to resist the maximum horizontal and vertical displacement to lithified earth material for the site.			
37	252:515-5-52(d)	Unstable areas. No new Waste Management or disposal areas shall be located over a subsurface mining area or any other unstable area. Exception upon demonstration that engineering measures have been incorporated into the design to ensure the integrity of all structural components will not be compromised.			

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38	252:515-5-52(e)	The airport demonstration and notification requirements do not apply to C&D Landfills.			
WATER	MANAGEMENT:	The entire facility site shall be constructed so as to minimize runoff. Plans and specifications regarding the design, construction & maintenance of run-on/run-off control systems & handling of leachate as outlined in 252:515-17-2 are required. In addition, facilities shall be designed, constructed, and operated in a manner that will prevent and avoid contamination of ground waters.			
39	252:515-17-2(1)	Run-on Control System: Design & implementation of control system to prevent flow onto active portion of site during peak discharge from 24-hour, 25-year storm.			
40	252:515-17-2(2)	Run-off Control System: Design & implementation of control system with sufficient capacity to collect & control all contaminated storm water resulting from 24-hour, 25- year storm.			
41	252:515-17-3 252:605 OPDES	Discharge: Comply with NPDES/OPDES permit. No discharge of pollutants, including sediment, into waters of United States in violation of any requirements of Federal Clean Water Act. If accidental discharge occurs, immediate action should be taken to stop the flow or discharge from the site, modify operational practices to prevent any future occurrences, notify the Department, and take such actions necessary to remediate contamination of ground or surface waters resulting from the flow or discharge.			
42	252:515-13-52	Storage: Leachate, if present, should be collected & stored in a manner not to cause contamination, and disposed in a manner compatible with the regulations outlined.			
43	252:515-13-51, 52, 54, 55 56, & 57	Leachate management: Leachate, if present, should be collected & stored in tanks, or surface impoundments. It may be used for irrigation; or discharged to a POTW or via a OPDES permit from Water Quality Division of DEQ; or managed with an alternative method approved by the DEQ.			

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SUBSURFACE INVESTIGATION:		The owner/operator must complete a subsurface investigation prior to submitting a permit application that will determine the location of the uppermost saturated zone(s). The subsurface investigation shall be designed to protect all saturated zones encountered while drilling, and all wells, borings, and piezometers shall be constructed according to the minimum standards set forth in OAC Title 785, Chapter 35. A Drilling Plan shall be submitted for DEQ approval prior to any drilling.			
DRILLIN	G PLAN:	A drilling plan shall be submitted to the DEQ for approval prior to initiating the subsurface investigation for a new landfill or lateral expansion 252:515-7-4(a). It is to include the following information.			
44	252:515-7-4(b)(1)	General: To include the name, address and phone number of owner/operator, engineering firm, & individual in charge of project.			
45	252:515-7-4(b)(2)	Maps: Following maps & drawings to be included according to Sub-chapter 7: general location map; flood plain map; quadrangle topographic map; & an existing contour map showing the locations, estimated elevations and total depths of any proposed or existing borings on the site; site-specific maps showing any wetlands, fault areas, seismic impact zones, and alluvium or terrace deposits and their recharge areas; and drawings of proposed piezometers and/or monitor wells in accordance with OWRB standards OAC 785:35.			
46	252:515-7-4(b)(3)	Borings: A minimum of four (4) borings for a site of five (5) acres or less. One (1) additional boring is required for each additional five (5) acres. More borings may be required if the complexity of the hydrogeology warrants. With DEQ approval, up to one fourth (1/4) of required borings may be replaced with existing borings located within 200 feet of the proposed boundary.			
47	252:515-7-4(b)(4) & 515-7-5	Drilling: Borings to be drilled to a minimum depth of thirty (30) feet below the deepest proposed placement of waste. Borings to be spaced on a grid with at least three (3) borings two hundred (200) feet deep or a minimum of ten (10) feet into the uppermost saturated zone, whichever is less; and at least one (1) boring to a depth of one hundred (100) feet. Drilling to occur only after receipt of written permission from the DEQ, and written notice of "intent to drill" is received by the DEQ at least two (2) weeks prior. A qualified groundwater scientist shall supervise all drilling operations.			

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48	252:515-7-31	Data Collection: The following information shall be collected during drilling: borehole logs, lithologic sample logs, geophysical logs, soil & rock sampling, and soil tests & reports.			
49	252:515-7-32, 33, & 34	Borehole Logs: A lithologic sample log shall be prepared for each borehole drilled, and a geophysical log recorded for each boring to be converted to a piezometer. For disposal areas of 20 acres or less at least three (3) boreholes shall be logged by geophysical tools, including the deepest borehole. For each additional 20 acres, one additional boring shall be logged with geophysical tools.			
50	252:515-7-35, 36, & 37	Soil & Rock Sampling: Soil & rock samples to be taken at five (5) foot intervals and at soil or rock changes from the surface to the total depth drilled. Sampling methods shall include split barrel samples, core barrel for consolidated rock, and thin walled tube samples when soil samples of silts and clays are required for physical tests. Soils proposed to be used as liner and/or cover shall be tested as specified in this subsection and a laboratory report of the soil & rock characteristics and quantities stamped or sealed by the licensed professional engineer directing the soil laboratory shall be submitted to DEQ.			
HYDROG	GEOLOGIC STUDY:	To include both a regional and site specific study 252:515-7- 38, 252:515-3-72, 252:515-3-73, and 252:515-3-76.			
51	252:515-7-38	Regional Hydrogeologic Study: Information on the geology and hydrogeology shall be collected, including: the formation underlying the deepest formation penetrated during drilling, exposed outcrops on or within ¼ mile, a geologic column and structural information of all rock formations to a depth of 500 feet, a regional surface geological map, illustrations of the regional stratigraphy, geologic cross-sections, a description of regional groundwater quality, identification of USDWs, and information sources / references.			
52	252:515-3-72	Site Specific Hydrogeology: To include a ground water resource and usage map, a site specific aerial surface geologic map, and two (2) site specific cross sections, constructed from subsurface borehole logs & other site specific information.			

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GROU	NDWATER STUDY:	A groundwater study is to be conducted based on information obtained from piezometers representative of the entire site 252:515-7-51(a). Results to be included with the permit application.			
53	252:515-7-53(a)	Piezometers: To be drilled and constructed according to specifications outlined in the regulations. Screens shall be installed in the uppermost saturated zone. At least three (3) piezometers shall be installed for sites twenty (20) acres or less. One (1) additional piezometer shall be installed for each additional twenty (2) acres.			
54	252:515-7-54 & 55	Groundwater Elevation Measurements: are required to establish the minimum distance between the highest water table and the lowermost elevation at which waste will be placed. Water levels in all piezometers are to be measured for twelve (12) consecutive months with one well monitored continuously. Daily & monthly precipitation data from the climatological station closest to the proposed site which correspond to period of onsite measurements, shall be submitted with the 30-year mean precipitation value for the proposed site.			
55	252:515-7-56	Shallow Saturated Zone Investigation: If a saturated zone is encountered above the depth groundwater is anticipated, a piezometer shall be installed & screened in the shallow zone and the location offset within ten (10) feet where a new boring shall be drilled to the original proposed total depth.			
56	252:515-3-74	Highest groundwater contour map: A contour map, at two foot intervals, showing the highest elevation ever recorded at each borehole, piezometer or well at the site shall be submitted with the permit application.			
57	252:515-3-75	Potentiometric surface map: A map of the actual groundwater potentiometric surface shall be included with the permit application.			
GROUNI MONITO	DWATER RING:	Groundwater is to be monitored for the life of the landfill and during the Closure and Post Closure Periods to insure that the facility does not endanger the surface or subsurface water quality.			
58	252:515-9-4 252:515-9-5 252:515-9-6 252:515-9-7	Monitor Well Location: Wells are to be located on land owned or leased by the owner of the landfill & placed no more than 150 meters from the waste management unit boundary. Number, spacing, and depths of monitoring wells to be based on site-specific technical information.			

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59	252:515-9-3	Filtering prohibition: Groundwater samples shall not be filtered in the field or in the lab prior to analysis.			
60	252:515-9-5	Monitor Wells Required: A minimum of three (3) monitor wells are required to yield samples from the uppermost aquifer. At least one (1) monitor well to be located up- gradient and at least two (2) monitor wells hydraulically down-gradient of the landfill based on the actual piezometric contour map.			
61	252:515-9-6 252:515-9-7	Design & Construction: Wells must be cased and constructed to at least the minimum construction standards set forth in OAC Title 785, Chapter 35. Must be maintained so that performance is to design specifications throughout the life of the monitoring program.			
62	252:515-9-6	Plugging: Unless converted to a piezometer or monitor well within thirty (30) days, all borings shall be plugged in accordance with the requirements of OAC 785:35-11.			
63	252:515-9-31 252:515-9-51 252:515-9-52 252:515-9-53 252:515-9-54 252:515-9-71 252:515-9-74	Monitoring Program: A groundwater sampling & analysis program shall be submitted for DEQ approval. It shall include: monitor well locations, depths, design, installation, development, and decommissioning, sample collection, sample preservation & shipment, analytical procedures, chain of custody control, quality assurance & quality control, sampling and analytical methods. A statistical analysis plan with statistical procedures & performance standards shall be included for approval by DEQ. Beginning no later than 30 days after the initial receipt of waste all monitor wells shall be sampled quarterly for one full year to establish background water quality for the following parameters, at a minimum: pH, chemical oxygen demand, and specific conductivity. After background has been established, detection monitoring shall begin with and monitor wells shall be sampled at least semi- annually and analysis performed. Through comparison with the background values, it shall be determined if a statistical increase has occurred.			

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	SIVE GAS PRING & CONTROL:	252:515-15			
64	252:515-15-2	Explosive Gas Control. The concentration methane gas generated by the facility shall not exceed: 1) twenty five percent (25%) of the lower explosive limit for methane in all structures; 2) the lower explosive limit for methane at the permit boundary.			
65	252:515-15-3	Explosive Gas Monitoring and Analysis. An explosive gas monitoring and analysis plan shall be submitted to the DEQ for approval. Explosive gas monitoring in accordance with the approved plan shall be performed a minimum of once every calendar quarter. Sampling shall be performed with a gas measuring instrument that has been calibrated immediately prior to the beginning of the sampling event.			
66	252:515-15-4	Installation of Gas Monitoring Probes. Gas monitoring probes shall be constructed in accordance with the requirements of the OWRB (OAC 785:35) and have a sampling port. Probes shall be located no more than 1000 feet apart along the permit boundary with exceptions. Probes shall be installed to a minimum depth equivalent to the deepest placement of waste and be screened for the entire depth of waste. As-built drawings of the probes shall be submitted to the DEQ within 90 days of installation.			
67	252:515-15-5	Levels Exceeding Limits Detected. If gas levels exceed the specified limits the owner/operator shall immediately take all necessary steps to ensure protection of human health, notify the DEQ, and follow the additional requirements of the section including submitting a remediation plan to DEQ for approval.			

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LINERS:		All C&D landfills must construct a liner on which waste will be placed 252:515-11-2. As a minimum, the liner shall be constructed with reconstructed clay liner, or an in-situ liner.			
68	252:515-11-2(a)	Liner Design: All C&D landfills must construct a liner on which waste will be placed according to OAC 252:515-11-2. The liner system shall consist of an in-situ liner with minimum of five (5) feet of in-situ soil or a reconstructed clay liner with three (3) feet of recompacted soil, both with hydraulic conductivity of no greater than 1 X 10 ⁻⁵ cm/sec, or an equivalent alternative design. Specifications and testing requirements for each type are provided in Parts 3 and 7 of this Subchapter. The Department shall be notified two (2) weeks prior to installation.			
69	252:515-11-3	Separation from groundwater: All landfills shall be designed and constructed to maintain a minimum of five-foot vertical separation between the highest groundwater elevation and the lowermost surface on which waste, including leachate, will be placed. For C&D landfills utilizing an in-situ liner shall be designed to maintain a minimum fifteen-foot vertical separation.			
70	252:515-11-4	Quality Assurance/Quality Control (QA/QC): A plan shall be submitted with the permit application to demonstrate the liner system will be installed in accordance with this Subchapter OAC 252:515-11 and the approved design plans. The plan shall include all information required for the design, placement, construction, and testing of the applicable liner. A qualified third party who is not an employee of the owner or the construction company shall conduct QA and be present during each phase of the liner construction.			
71	252:515-11-5	Notification of Construction: DEQ shall be notified at least two weeks before liner construction begins. The notice shall include the construction area, the names of the contractors and QA/QC officials and the results of pre-construction tests. A pre-construction meeting shall be held at the facility with the design engineer and QA/QC officials before the liner construction begins and DEQ shall be notified at least 48 hours in advance of the meeting.			

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72	252:515-11-6	Liner Installation & Testing (LIT) Report: To document the liner system was installed in accordance with the rules and approved plans. It shall include all information required for liner design, placement, construction, and testing to assure continuous compliance (i.e., summaries of all construction activities, testing data sheets and summaries, changes from design and material specifications, and all QA/QC documentation). Also to include top of liner contour map.			
73	252:515-11-7	DEQ authorization required: No waste shall be placed on a new liner system until DEQ inspects the liner and provides written authorization to commence disposal.			
OPERAT	FIONAL PLAN:	The following operational standards are to be addressed, as required by 252:515-3-36 and 252:515-3-38:			
74	252:515-19-31(e)	Prohibited Waste: Includes hazardous, radioactive, and regulated PCB wastes, liquid waste, nonhazardous industrial solid waste, biomedical waste, municipal solid waste, putrescible waste or special waste. Tires are acceptable.			
75	252:515-19-32	Public Access Control: Control public access and prevent unauthorized traffic and uncontrolled dumping by using artificial and/or natural barriers.			
76	252:515-19-33	Measuring Procedure: Scales shall be installed. All waste delivered to & disposed of, shall be measured by either weight or volume (cubic yards), and the information included in the annual report.			
77	252:515-19-35	Litter: Blowing litter to be controlled so as not to leave the working face. Unloading to be performed to minimize scattering of waste. All facility users shall adequately cover loads to prevent blowing litter. Collecting litter at least weekly, more often if necessary. Approach roadways within 1/2 mile shall be cleaned of litter.			
78	252:515-19-36 (a)	Air Criteria: Shall adhere to any applicable requirements of the Oklahoma Clean Air Act and all requirements developed under a State Implementation Plan (SIP) as approved or promulgated by the EPA.			
79	252:515-19-36(b)	Fire Protection: Open burning of solid waste is prohibited.			
80	252:515-19-36(c)	Dust Control: Measures to be taken to control fugitive dust emissions. Narrative of control measures to be included.			

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81	52:515-19-37	Vector Control: Disease vectors to be prevented or controlled. Narrative of control measures appropriate for the protection of human health & the environment to be included.			
82	252:515-19-38(b)	Buffer Zone: A waste-free buffer zone at least fifty (50) feet in width shall be established & maintained within the proposed permit boundary, between the developed portions of disposal site and adjacent property.			
83	252:515-19-39	Salvage: No scavenging to be permitted at disposal site. Salvage & recycling operations permitted with prior approved operational plan and shall be located in a separate area.			
84	252:515-19-51	Daily Cover Requirements: Disposed solid waste to be covered at once with at least six (6) inches of compacted earthen material at a minimum of of once every seven (7) days or more frequent to control vectors, firs, blowing litter, or scavenging. Cover material shall be free of garbage, trash or other unsuitable material.			
85	252:515-19-52	Intermediate Cover: An additional twelve (12) inches of compacted earthen material, free of garbage, meeting design standards must be placed on all disposal areas not protected by final cover.			
86	252:515-19-53	Final Cover Requirements: A final cover comprised of an erosion layer over a barrier layer shall be installed in accordance with a DEQ approved closure plan. The barrier layer shall consist of two (2) feet of compacted earthen material meeting the specified hydraulic conductivity requirements. An erosion layer of one (1) foot thickness capable of sustaining plant growth shall be placed on top of the barrier layer.			
87	252:515-19-54	Vegetative Cover: Shall establish and maintain vegetative cover, or alternate cover as approved by DEQ, over waste disposal areas.			
88	252:515-25	Closure & Post Closure: (as outlined below) to be included in the operational plan.			
89	252:515-27	Financial Assurance: The amount and instrument supporting compliance with Subchapter 27 to be included.			
90	252:515-29-3	WEP Requirements: Personnel trained to recognize inappropriate waste; Random inspections of incoming loads and documentation of inspections; Notification and safe storage of rejected waste; Procedures for verification of proper disposal of prohibited wastes.			

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RECORDKEEPING REQUIREMENTS:		The following information is to be submitted to the Department and a copy retained in the operating record of the landfill 252:515-19-40. The operating record is to be maintained until the designated post closure period has expired.			
91	252:515-19-40	General: shall submit to the DEQ & maintain in the operating records any location restriction demonstrations, daily operational records, inspection records, monthly operational reports, documentation & analyses demonstrating the nonhazardous classification of wastes received, monitoring or testing data required, closure & post closure plans, and any cost estimates & financial assurance documentation. Annual report due within 30 days of the anniversary date of permit. Such records shall be maintained until the post-closure monitoring period is terminated.			
CLOSURE PLAN:		All applications shall contain a closure plan which identifies steps necessary to achieve final closure, including the last phased closure when applicable as required in 252:515-25. The plan shall provide for the closure of the site when no phased or final closure has been conducted for twelve months, storage capacity is filled and the site has accepted its final wastes for disposal.			
92	252:515-25-32(a)	Closure Plan: Identification of site-specific closure activities with narrative descriptions of proposed extent, performance, & estimated cost of each per subchapter 252:515-25. Activities to include contracting technical consultative services; administrative overhead; identification and removal of equipment; monitoring & sampling of ground & surface water and soils; maintenance of monitor wells; temporary buildings & other improvements; site security; and access control.			
93	252:515-25-32(b)	Additional Information: To address disposing of final wastes & affected soils; description of final cover construction; plans for construction & maintenance of surface drainage, erosional control measures, & vegetative cover; collection, treatment, & disposal of leachate; & final closure survey.			

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94	252:515-25-32(b)(4)	Map: Showing what the contours of the site will be at final closure.			
95	225:515-25-32(c)	Phased Closure: If facility is to be closed in phases, the real extent of the site to be closed in each phase, set forth proposed schedule for such closures, specify a progression of surface drainage controls.			
96	252:515-25-33	Timelines: The DEQ is to be notified prior to beginning final closure of the site. Closure activities shall begin no later than ninety (90) days after final receipt and completed within 180 days of closure initiation.			
97	252:515-25-34	Certification of Final Closure: Preparation of certification and other reports & notices are required.			
98	252:515-25-53(9)	Right-to-Use: Documentation of applicants right-to-use, enter upon, maintain, & monitor site through period of post closure.			
99	252:515-27-31 252:515-27-51	Closure Costs: Cost of hiring a third party to close the facility in accordance with the permit, closure plan, and rules. Cost estimates shall be determined as specified in 252:515-27-51 using Appendix H or other DEQ approved method, including the average of 3 current bids for tasks not included in the Appendix, and to include a ten percent (10%) contingency factor for unanticipated occurrences.			
100	252:515-27	Financial Assurance: A non-negotiable instrument guaranteeing sufficient funds for the adequate completion of closure upon the failure of the permittee to fully complete performance according to the terms of the permit and applicable law. Types of financial assurance considered acceptable are: trust funds, surety bonds, letter of credit, insurance, certificate of deposit, cash or other state approved mechanism meeting the criteria specified in 252:515-27.			
POST-CLOSURE:		Applications shall contain a post-closure plan which specifies how the disposal site will be monitored and maintained during the required post-closure period.			
101	252:515-25-53	Post-closure Plan: Identification of site-specific post- closure activities with detailed narrative descriptions of how each is expected to be performed, a schedule for completion & estimated cost of each activity. The itemized written cost estimate must assume the cost of hiring a third party to complete post-closure.			

ITEM #	State or Federal Regulations Statutes or DEQ Rules (OAC) or Guidelines*	GENERAL DESCRIPTION	Admin Complete	Technically Complete	Remarks
102	252:515-25-53	Activities: To include contracting for technical consultative services; routine site inspections; proper collection, treatment, & disposal of leachate; maintenance of all onsite equipment & improvements; maintenance of final cover & erosional control; monitoring & sampling of surface water, groundwater and soil; maintenance of monitor wells; security & access control; and preparation of annual maintenance & monitoring post-closure reports.			
103	252:515-25-55	Post-closure use of property: Use of the property during post- closure care must not disturb the final cover, liner or any other components of the containment system. Other uses of the property may be approved by DEQ.			
104	252:515-25-56	Certification of Post-closure performance: A certification shall be submitted to DEQ at the conclusion of the post-closure period meeting the requirements in 252:515-25-56.			
105	252:515-27-32	Post-closure Costs: Shall be detailed written estimate, in current dollars of hiring a third party to conduct post-closure care in accordance with the permit, post-closure plan, and rules. Cost estimates shall be determined as specified in 252:515-27-51 using Appendix I or other DEQ approved method, including the average of 3 current bids for tasks not included in the Appendix, and to include a ten percent (10%) contingency factor for unanticipated occurrences.			
106	252:515-27	Financial Assurance: A non-negotiable instrument guaranteeing sufficient funds for the adequate completion of post-closure upon the failure of the permittee to fully complete performance according to the terms of the permit and applicable law. Types of financial assurance considered acceptable are trust funds, surety bonds, letter of credit, insurance, certificate of deposit, cash or other state approved mechanism meeting the criteria specified in 225:515-27.			