SECTION P

APPLICATION REVIEW CHECKLISTS

Revision 0

February 2021

SECTION P – APPLICATION REVIEW CHECKLISTS

APPLICATION REVIEW CHECKLIST LAND PROTECTION DIVISION HAZARDOUS WASTE PROGRAM OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY	Facility Name: Tulsa Cement LLC dba Central Plains Cement Company Facility ID No: OKD064558703 ODEQ Permit No.: 064558703 Reference No.:_____. Application Type: Renewal Date:_____.	40 CFR 270 and QAC 252:200 All Permit Applications
	Administrative Reviewer: _____ Start Date: _____ Completion Date: _____. Administrative Reviewer:_____Start Date:_____Completion Date: _____. Issuance Deadline: _____.	ODEA Form Number XXX-XXX Shaded area for DEQ use only

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
G-0	270.10		GENERAL APPLICATION REQUIREMENTS - 270.10				
G-1	270.10(a)		Permit application completed and signed	Section N			
G-2	270.10(b)		Who applies? – When a facility is owned by one person but is operated by another person, it is the operator's duty to obtain a permit, except that the owner must also sign the permit application.	N/A			
G-3	270.10(c)		Completeness – all elements included	All			
G-4	270.10(d)		Information requirements -- information in 270.13 and applicable sections in 270.14 through 270.29	A to M			
Existing HWM facilities and interim status qualifications							
G-5	270.10(e)(1)		Must submit part A no later than: (i) 6 months after the date of publication of regulations requiring compliance with 265 or 266, or (ii) 30 days after being subject to standards in 265 or 266, whichever first occurs (iii) March 24, 1987, if a generator who generates more than 100 kg but less than 1,000 kg per month and treats, stores, or disposes on-site	N/A			
G-6	270.10(e)(2)		Extension of submittal of part A if: (i) Substantial confusion whether to file a permit application, and (ii) Such confusion is due to ambiguities in 260, 261, 265, or 266	N/A			
G-7	270.10(e)(3)		Extension of submittal of part A under compliance order	N/A			
G-8	270.10(e)(4)		Timely submittal of part B	N/A			
New HWM facilities							
G-9	270.10(f)(1)		No construction allowed before the submittal of parts A and B and receipt of the effective permit	N/A			
G-10	270.10(f)(2)		Must submit parts A and B at least 180 days before construction is expected to commence	N/A			
G-11	270.10(f)(3)		Construction of an incinerator of PCBs ...	N/A			
Updating permit applications							
G-13	270.10(h)		**Reapplications** - 180 days before the expiration of the existing permit	App due 2/8/2021			
G-14	270.10(i)		**Recordkeeping** - for at least 3 years	Section J			
Exposure information							
G-15	270.10(j)(1)		Re: surface impoundments and landfills, submittal of part B after 8/8/85, must have information on public exposure from releases, including: (i) Potential releases associated with normal operations, including transportation (ii) Pathways of human exposure from such releases (iii) Potential magnitude and nature of human exposure from such releases	N/A			
G-16	270.10(j)(2)		If part B submitted before 8/8/85, must submit exposure information required above, (j)(1)	N/A - Not submitted before 1985			
G-17	270.10(k)		**Submittal of information to establish permit conditions under 270.32(b)(2) and 270.50(d)**	N/A			
SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS - 270.11							
Applications - signatures							
S-1	270.11(a)(1)		For a corporation (i) President, secretary, treasurer, or vice-president; or (ii) Manager (w/authority to sign) of a facility with more than 250 employees or annual sales of more than $25 million	Section N			

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					YES / NO /NA	YES / NO /NA	
S-2	270.11(a)(2)		For a partnership or sole proprietorship: by a general partner or proprietor	N/A			
S-3	270.11(a)(3)		For a municipality, State, Federal, or other public agency (i) Chief executive officer of the agency or (ii) Senior executive officer	N/A			
S-4	270.11(b)		Reports signed by a person described in (a) or an authorized representative of that person if:	N/A			
S-5	270.11(b)(1)		A written authorization by a person described in (a)	N/A			
S-6	270.11(b)(2)		An authorization for a position responsible for the overall operation	N/A			
S-7	270.11(b)(3)		Submittal of a written authorization	N/A			
S-8	270.11(c)		Change to authorization for signing reports	N/A			
S-9	270.11(d)		Certification for signature (see cite)	Section N			
I-1	**270.12**(a)		**CONFIDENTIALITY OF INFORMATION**: (a) "confidential business information" stamped on each page containing such information.	N/A			
I-2	270.12(b)		Claims for confidentiality of the name and address of any permit applicant or permittee will be denied.	N/A			
A-00	**270.13**		**CONTENTS OF PART A OF THE PERMIT APPLICATION - 270.13**	Section A			
		SUBCHAPTER 11	**ADDITIONAL PERMIT PROCEDURES**				
AP-1		11-1 Emergency plans relating to affected property owners	(a) Applicants for new proposed off-site TSD or disposal sites are required to prepare a separate Emergency Plan in addition to the plans required by 40 CFR 264 Subpart D. This Emergency Plan shall the criteria of 40 CFR 264 Subpart D but shall specifically relate to each parcel.	N/A			
AP-2		11-1(b) For the purposes of these rules, a parcel of land owned by one or more affected property owners is a present possessory fee simple estate in land, excluding future interests.	(1) All discrete parcels are required to be counted equally. (2) Owner required to represent the approval or disapproval of the Emergency Plan on behalf of the parcel for purposes of the OHWMA. (3) A calculation of approval or disapproval of the Emergency Plan by majority of the affected property owners is required. (4) Approval or disapproval of the Emergency Plan by an affected property owner does not signify approval or disapproval of the technical aspects of the facility.	N/A			
AP-3		11-1(c)	An applicant must submit to the ODEQ the written approval of the Emergency Plan form the affected property owners.	N/A			
AP-4		11-1(d)	Within forty-five days of the application, affected property owners must specify reasons for non-approval of the Emergency Plan.	N/A			
AP-5		11-1(e)	Area of affected property owners is determined by measuring one-mile from the perimeter of the site as specified in the permit application.	N/A			
AP-6		11-2 Exclusionary siting criteria	(a) Ground-water resources and recharge areas.				
AP-7		11-2(a)(1)	**Presumption of unapprovable site.** Proposed locations lying within areas designated as unconsolidated alluvial aquifers or terrace deposit aquifers or bedrock aquifers or recharge areas as shown on Sheets 1 and 2 of "Maps Showing Principal Ground Water Resources and Recharge Areas in Oklahoma" shall be presumed to be unapprovable. Certification of notifying affected property owners	B.15			
AP-8		11-2(a)(2)	**Rebuttal of presumption.** The applicant may rebut the presumption by submitting hydrologic and geological data sufficient to demonstrate that the proposed location does not lie within a prohibited area.	N/A			
AP-9		11-2 (a)(3)	**ODEQ reliance upon Oklahoma Geological Survey.** In determining whether a proposed location lies within a prohibited area, the ODEQ will rely upon a review by the Oklahoma Geological Survey.	N/A			
AP-10		11-2 (a)(4)	**Site-specific information.** The ODEQ may require site-specific hydrological and geological information for proposed facility locations outside a designated principal ground-water resource or discharge area where there is reason to believe that the proposed location may be unsuitable due to localized ground-water conditions.	N/A			
AP-11		11-2(a)(5)	**Ground-water protection plan.** In determining whether a ground-water protection plan with financial assurance is required for an on-site facility pursuant to 27A O.S.§ 2-7-111(B), the procedures used in subsections (1)-(4) of this section shall be used.	N/A			

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AC-0		11-2(a)(6)	**Existing facilities.** Existing facilities in these areas may continue to operate and may modify or expand their operations to the extent permitted by 27A O.S. § 2-7-111.	N/A			
AC-1		11-2(b)	**Water wells.** The ODEQ shall not grant a permit for a new hazardous waste disposal facility proposed to be located within one-quarter mile of any public or private water supply well except private water supply wells on the applicant's property. Water supply wells that are demonstrated by the applicant to be permanently abandoned may be plugged upon a demonstration that the applicant has the right to plug them. The applicant shall notify the ODEQ that the abandoned water wells have been plugged. If abandoned water wells are identified by the applicant during the preparation of his application or during the permit process, the applicant shall notify the ODEQ so that these wells can be included in the Class V well inventory.	B.9 and Figure B-6			
AC-2		11-2(c)	**Flood plain.** No permit or modification of an existing permit which includes disposal of hazardous waste within a one- hundred-year flood plain shall be granted, except for post-closure or corrective action. For existing facilities, this modification prohibition applies only to land disposal units and to modifications of such units which would increase disposal rates or designate new areas for disposal.	B.4			
AC-3		11-2(d)	**Surface water.** No permit shall be granted for a new hazardous waste disposal facility proposed to be located within one mile of the conservation pool elevation of any reservoir which supplies water for a public water supply or within one mile off any scenic river.	B.3			
AC-4		11-2(e)	**Air pollution.** No permit shall be granted for a new off-site hazardous waste disposal facility proposed to be located within one mile of any public school, educational institution, nursing home, hospital or public park.	B.16			
AC-5		11-2(f)	The Hazardous Waste Management Act also contains exclusionary siting criteria. See 27A O.S. § 2-7- 111(B) and ()C)(1) and § 2-7-114, as amended.	B.15			
AC-6		11-3	**Upgrades of county roads and bridges.** The owner/operator shall submit a certificate of acceptance of the completed upgrades by the appropriate board(s) of county commissioners or the Oklahoma Department of Transportation, as appropriate, pursuant to 27A O.S. § 2-7-115(B)(2).	N/A			
GENERAL REQUIREMENTS FOR CONTENTS OF PART B APPLICATION - 270.14							
General Information							
B-1	270.14(b)(1)		General description of the facility	B.1			
B-2	270.14(b)(2)		Chemical and physical analyses of hazardous wastes	Section C			
B-3	270.14(b)(3)		A copy of waste analysis plan	Section C			
B-4	270.14(b)(4)		A description of security measures	F.1, Attachment F-1			
B-5	270.14(b)(5)		A copy of the general inspection schedule	F.2, Atachment F-2			
B-6	270.14(b)(6)		Justification of requests for a waiver of preparedness and prevention	NA - As stated in F.3.6			
B-7	270.14(b)(7)		A copy of the contingency plan	Section G			
B-8	270.14(b)(8)		Safety procedures, equipment, construction to prevent: (i) Hazard in unloading operations (ii) Runoff from HW areas (iii) Contamination of water supplies (iv) Effects of equipment/power failure (v) Exposure of personnel to HW (vi) Releases to atmosphere	F.4			
B-9	270.14(b)(9)		Prevention of accidental ignition, reaction of ignitable, reactive or incompatible wastes	F.5			
B-10	270.14(b)(10)		Traffic pattern information	B.12			

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B-11	270.14(b)(11)		Facility location information (i) Identification of political jurisdiction (ii) Compliance with seismic standard (if located in areas listed in 264 appendix VI) (A) No faults within 3,000 ft, data based from: (1) Published geologic studies (2) Aerial reconnaissance of a 5-mile radius (3) Aerial analysis of a 3,000-foot radius (4) If needed, reconnaissance walking within 3,000-foot radius (B) Faults ... (iii) Identification of 100-year floodplain (iv) Requirements if located within 100-year floodplain ... (v) Compliance schedule for existing facilities NOT in compliance with 264.18(b)	B.4 B.11			
B-12	270.14(b)(12)		Training programs in compliance with 264.16	Section H			
B-13	270.14(b)(13)		A copy of the closure plan and, if applicable, post- closure plan	Section I			
B-14	270.14(b)(14)		Documentation filed (required under 264.119) for closed units	N/A			
B-15	270.14(b)(15)		Closure estimates (required under 264.142) and financial assurance (required under 264.143)	I.5			
B-16	270.14(b)(16)		The most recent post-closure estimates (required under 264.144) and financial assurance (required under 264.145), where applicable	I.5 and I.6			
B-17	270.14(b)(17)		Insurance policy or other documentation in compliance with 264.147, where applicable	I.6			
B-18	270.14(b)(18)		Coverage by a State financial mechanism in compliance with 264.149 and 264.150, where appropriate	N/A			
B-19	270.14(b)(19)		A 1" = 200 ft topographic map with contours showing 1000 ft around the facility and: (i) Map scale and date (ii) 100-year floodplain (iii) Surface waters (iv) Surrounding land uses (v) Wind rose (vi) Orientation of the map (vii) Legal boundaries of the facility (viii) Access control (ix) Injection and withdrawal wells both on and off- site (x) Buildings, structures (xi) Barriers for drainage or flood control (xii) Location of operational units	Sections: A-1; B.2 - B.9			
B-20	270.14(b)(21)		Notice of approval of petition for extension for land disposal facilities, if applicable	N/A			
Additional information							
B-21	270.14(c)(1)		A summary of groundwater monitoring data during interim status (under 265.90 - 94), where applicable	NA - as noted in Section E			
B-22	270.14(c)(2)		Identification of the uppermost aquifer, hydraulically connected aquifers, flow direction and rate, and basis for such identification	N/A			
B-23	270.14(c)(3)		On the topo map, a delineation of the waste management area, property boundary, the proposed point of compliance (264.95), proposed GW monitoring wells (264.97), and info from 270.14(c)(2)	N/A			
B-24	270.14(c)(4)		Description of any plume of contamination from a regulated unit: (i) The extent of the plume on the topo map (ii) Identification of concentrations of constituents in Appendix IX of 264	N/A			
B-25	270.14(c)(5)		A detailed GW monitoring program with engineering report (264.97)	N/A			
B-26	270.14(c)(6)		If a hazardous constituent has not been detected at time of application, establish a detection monitoring program (264.98): (i) Indicator parameters, waste constituents (ii) A proposed groundwater monitoring system (iii) Background values (iv) Proposed sampling, analysis, and statistical procedures	N/A			
B-27	270.14(c)(7)		If a hazardous constituent has been detected at time of application, establish a compliance monitoring program (264.99): (i) A description of wastes previously handled (ii) A characterization of the contaminated GW (iii) A list of hazardous constituents (264.97 & 264.99) (iv) Proposed concentration limits (264.94(a)) or justification for alternate limits (v) A proposed GW monitoring system (vi) Proposed sampling, analysis, and statistical procedures (vii) A proposed Engineering Feasibility Plan for corrective action	N/A			

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B-28	270.14(c)(8)		If hazardous constituents have exceeded concentration limits (Table 1, 264.94) or background values, establish a corrective action program (264.100): (i) A characterization of contaminated GW (ii) Concentration limits (264.94) (iii) A detailed corrective action program and engineering report (iv) Demonstration of adequacy of the corrective program	N/A			
Information on SWMUs							
B-29	270.14(d)(1)		Information requirements for SWMUs: (i) Location of the unit on the topo map (ii) Designation of type of unit (iii) Dimensions and structural description (iv) When the unit was operated (v) Specification of all wastes at the unit	Section B.10; Section M			
B-30	270.14(d)(2)		Information on HW release from each SWMU	Section M			
B-31	270.14(d)(3)		Results of sampling and analysis of groundwater, land surface, and subsurface strata, surface water or air to determine if an RFA is needed	Section M			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR CONTAINERS - 270.15							
C-1	270.15(a)		Description of the containment system in compliance with 264.175	N/A			
C-2	270.15(a)(1)		Basic design parameters, dimensions, and materials of construction	N/A			
C-3	270.15(a)(2)		Showing of how design promotes drainage or keeps containers from contacting standing liquid.	N/A			
C-4	270.15(a)(3)		Capacity of the containment system relative to the number and volume of containers stored	N/A			
C-5	270.15(a)(4)		Provisions for preventing or managing run-on	N/A			
C-6	270.15(a)(5)		Showing of how accumulated liquids can be analyzed and removed to prevent overflow	N/A			
C-7	270.15(b)		For storage areas with containers that do not contain free liquid, a showing of compliance with 264.175(c)	N/A			
C-8	270.15(b)(1)		Test procedures and results or documentation to show wastes do not contain free liquids	N/A			
C-9	270.15(b)(2)		Description of storage area design and operation to drain/remove liquid or keep containers from contacting standing liquids	N/A			
C-10	270.15(c)		Sketches, drawings, or data to show compliance with 264.176 (ignitable reactive wastes) and 264.177(c) (incompatible wastes)	N/A			
C-11	270.15(d)		Procedures in compliance with 264.177(a) & (b) and 264.17(b) & (c) for storing of incompatible wastes	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR TANK SYSTEMS - 270.16							
T-1	270.16(a)		A written assessment by an independent P.E. to certify the structural integrity and suitability for handling of hazardous wastes of each tank system as req. under 264.191 & 192 - 270.16(a)	N/A			
T-2	270.16(b)		Dimensions and capacity of each tank	N/A			
T-3	270.16(c)		Description of feed systems, safety cutoff, bypass systems, and pressure controls	N/A			
T-4	270.16(d)		A diagram of piping, instrumentation, and process flow for each tank system	N/A			
T-5	270.16(e)		A description of corrosion protection system as required under 264.192(a)(3)(ii)	N/A			
T-6	270.16(f)		For new tank systems, a description of how the tank system(s) will be installed in compliance with 264.192(b),(c),(d),(e)	N/A			
T-7	270.16(g)		Detailed plans and description of the secondary containment system in compliance with 264.193(a), (b), (c), (d), (e), (f)	N/A			
Variance from the requirements of 264.193							
T-8	270.16(h)(1)		Detailed plans and engineering and hydrogeologic reports showing alternative safeguards	N/A			
T-9	270.16(h)(2)		A detailed assessment of hazards in event of release	N/A			
T-10	270.16(i)		Description of spill and overflow prevention as required under 264.194(b)	N/A			
T-11	270.16(j)		Description of operating procedures, tank system design, facility design for Ignitable/Reactive and incompatible wastes as required under 264.198, 199	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR SURFACE IMPOUNDMENTS - 270.17							
SI-1	270.17(a)		A list of hazardous wastes to be placed in each impoundment	N/A			
SI-2	270.17(b)		Detailed plans and engineering report on design, construction, operations, and maintenance as required in 264.19, 221, 222, 223, addressing:	N/A			
SI-3	270.17(b)(1)		The liner system	N/A			
SI-4	270.17(b)(2)		The double liner and leak detection, collection, and removal system as req. under 264.221(c)	N/A			
SI-5	270.17(b)(3)		If the leak detection system is in the saturated zone, detailed plans and engineering report on the leak detection design and operation, and the location of the saturated zone in relation to the leak detection system	N/A			
SI-6	270.17(b)(4)		The construction quality assurance plan (CQA) if required under 264.19	N/A			

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					YES / NO /NA	YES / NO /NA	
SI-7	270.17(b)(5)		Proposed action leakage rate and response action plans if required under 264.222 & 223	N/A			
SI-8	270.17(b)(6)		Prevention of overtopping	N/A			
SI-9	270.17(b)(7)		Structural integrity of dikes	N/A			
SI-10	270.17(c)		The inspection program for each surface impoundment including double liner system, leak detection system, cover system, and appurtenances for control of overtopping as req. under 264.226(a),(b),(d) submitted under 270.14(b)(5)	N/A			
SI-11	270.17(d)		A certification by a qualified engineer on the structural integrity of the dikes as req. under 264.226(c)	N/A			
SI-12	270.17(e)		The procedure to remove a surface impoundment from service as req. under 264.227(b), (c) submitted under 270.14(b)(7)	N/A			
SI-12	270.17(f)		Procedure to remove hazardous waste residues and contaminated materials at closure as req. under 264.228(a)(1). For non-removed wastes, must comply with 264.228(a)(2) and (b). This information be submitted in closure and post-closure plan under 270.14(b)(13)	N/A			
SI-13	270.17(g)		Compliance with 264.229 for I/R wastes	N/A			
SI-14	270.17(h)		Compliance with 264.230 for incompatible wastes	N/A			
SI-15	270.17(i)		A waste management plan for F020 through F027 as req. under 264.231. Must address:	N/A			
SI-16	270.17(i)(1)		The volume, physical and chemical characteristics including migration potential to the environment	N/A			
SI-18	270.17(i)(3)		The mobilizing properties of co-disposed materials	N/A			
SI-19	270.17(i)(4)		The effectiveness of additional treatment, design, or monitoring techniques	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR WASTE PILES - 270.18							
W-1	270.18(a)		A list of hazardous wastes	N/A			
W-2	270.18(b)		If an exemption is sought, compliance with 264.90(b)(2) and 264.250(c)	N/A			
W-3	270.18(c)		Detailed plans and engineering reports on the design, construction, operation, and maintenance as req. under 264.19, 251, 252, and 253, addressing:	N/A			
W-4	270.18(c)(1)		(i) The liner system as req. under 264.251(a) (ii) The double liner and leak detection, collection, and removal system (LCRS) as req. under 264.251(c) (iii) If the leak detection system is in the saturated zone, detailed plans and engineering report on the leak detection design and operation, and the location of the saturated zone in relation to the leak detection system (iv) The construction quality assurance plan as req. under 264.19 (v) The proposed action leakage rate and response action plan as req. under 264.252 and 264.253	N/A			
W-5	270.18(c)(2)		Control of run-on	N/A			
W-6	270.18(c)(3)		Control of run-off	N/A			
W-7	270.18(c)(4)		Management of run-on/run-off collection and holding units	N/A			
W-8	270.18(c)(5)		Control of wind dispersion	N/A			
W-9	270.18(d)		The inspection program for each waste pile including double liner system, LCRS, cover system, and appurtenances for control of run-on and run-off as req. under 264.254(a), (b), (c)	N/A			
W-10	270.18(e)		If treatment is carried out on the pile, details of the process, equipment, and nature and quality of residue	N/A			
W-11	270.18(f)		Compliance with 264.256 for I/R wastes	N/A			
W-12	270.18(g)		Compliance with 264.257 for incompatible wastes	N/A			
W-13	270.18(h)		Closure plan as req. under 264.258(a) or 264.310(a)	N/A			
W-14	270.18(i)		A waste management plan for F020 through F027 as req. under 264.259	N/A			
W-15	270.18(i)(1)		The volume, physical, and chemical characteristics of the wastes and the potential to migrate to the environment	N/A			
W-16	270.18(i)(2)		The attenuative properties of soils	N/A			
W-17	270.18(i)(3)		The mobilizing properties of the co-disposed materials	N/A			
W-18	270.18(i)(4)		The effectiveness of additional treatment, design, or monitoring techniques	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR INCINERATORS - 270.19							
IN-1	270.19(a)		Seeking an exemption under 264.340(b) or (c) (ignitable, corrosive, or reactive)	N/A			
IN-2	270.19(a)(1)		Documentation waste listed in 261 subpart D, solely because ignitable (Hazard Code I) or corrosive (Hazard Code C) or both, or	N/A			
IN-3	270.19(a)(2)		Documentation that waste listed in 261 subpart D, solely because reactive (Hazard Code R) for characteristics other than those listed in 261.23(a)(4) and (5) and will not be burned with other HW, or	N/A			
IN-4	270.19(a)(3)		Documentation that waste hazardous solely for the characteristic of ignitability, corrosivity, or both, or	N/A			
IN-5	270.19(a)(4)		Documentation that waste hazardous solely for the characteristics of reactivity listed in 261.23(a)(1),(2),(3),(6),(7), or (8) and will not be burned with other HW, or	N/A			
IN-6	270.19(b)		Trial burn plan or results as req. under 270.62	N/A			

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					YES / NO /NA	YES / NO /NA	
In lieu of a trial burn							
IN-7	270.19(c)(1)		Waste analysis, including: (i) Heat value (ii) Viscosity or physical form (iii) Organic constituents listed in 261, appendix VIII (test methods referenced in 261, appendix III) (iv) Quantification of constituents (see test methods by reference in 270.6) (v) Quantification of constituents designated as POHC's as req. under 264.343	N/A			
IN-8	270.19(c)(2)		Detailed engineering description of the incinerator, including: (i) Manufacturer's name and model (ii) Type of incinerator (iii) Dimensions (linear and x-section area) (iv) Auxiliary fuel system (type/feed) (v) Capacity of prime mover (vi) Automatic cutoff system (vii) Stack gas and pollution control monitoring systems (viii)Nozzle and burner design (ix) Construction materials (x) Temperature, pressure, and flow indicating devices and control devices	N/A			
IN-9	270.19(c)(3)		A description and analysis (specifying POHC's) of the waste to be burned. Include data in (c)(1)	N/A			
IN-10	270.19(c)(4)		The design and operating conditions of the incinerator compared with those of trial burns	N/A			
IN-11	270.19(c)(5)		Results of trial burns, including: (i) Sampling and analysis techniques to calculate performance standards in 264.343 (ii) Methods and results of temperatures, feed rates, CO, combustion gas velocity	N/A			
IN-12	270.19(c)(6)		The expected operation information in compliance with 264.343 and 345 including: (i) CO in the exhaust (ii) Waste feed rate (iii) Combustion zone temperature (iv) Combustion gas velocity (v) Stack gas volume, flow rate, and temperature (vi) Residence time (vii) Hydrochloric acid removal efficiency (viii)Fugitive emissions and control procedures (ix) Feed cut-off limits based on operating parameters	N/A			
IN-13	270.19(c)(7)		Supplemental information necessary to achieve the purposes of this paragraph	N/A			
IN-14	270.19(c)(8)		Waste analysis data (permit POHC's)	N/A			
Approval of permit without a trial burn if:							
IN-15	270.19(d)(1)		Wastes are sufficiently similar	N/A			
IN-16	270.19(d)(2)		Incinerator units are sufficiently similar and data from other trial burns are adequate to specify (under 264.345) operating conditions will meet performance standards (under 264.343)	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR LAND TREATMENT FACILITIES - 270.20							
LT-1	270.20(a)		Plans to conduct a treatment demonstration as req. under 264.272, must include:	N/A			
LT-2	270.20(a)(1)		Wastes for demonstration and their hazardous constituents	N/A			
LT-3	270.20(a)(2)		Data sources to be used to make demonstration	N/A			
LT-4	270.20(a)(3)		Specific lab or field test: (i) Type of test (ii) Materials and methods, inc. analytical procedures (iii) Expected time of completion (iv) Simulated characteristics: treatment zone, climatic conditions, and operating practices	N/A			
LT-5	270.20(b)		Description of land treatment program as req. under 264.271, must include:	N/A			
LT-6	270.20(b)(1)		Wastes to be treated	N/A			
LT-7	270.20(b)(2)		Design measures and operating practices as req. under 264.273(a), including: (i) Application method and rate (ii) Measures to control soil pH (iii) Enhancement of microbial or chemical reactions (iv) Control of moisture content	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
LT-8	270.20(b)(3)		Monitoring unsaturated zone: (i) Sampling equipment, procedures, and frequency (ii) Procedures for selecting sampling locations (iii) Analytical procedures (iv) Chain of custody (v) Procedures for establishing background values (vi) Statistical methods for interpreting results (vii) Justification for selecting principal hazardous constituents under 264.278(a) criteria	N/A			
LT-9	270.20(b)(4)		List of hazardous constituents derived from or in wastes based on analytical procedures in 264.13	N/A			
LT-10	270.20(b)(5)		Dimensions of the treatment zone	N/A			
LT-11	270.20(c)		Description of the design, construction, operations, and maintenance as req. under 264.273, must include:	N/A			
LT-12	270.20(c)(1)		Control of run-on	N/A			
LT-13	270.20(c)(2)		Collection and control of run-off	N/A			
LT-14	270.20(c)(3)		Minimization of run-off of hazardous constituents from the treatment zone	N/A			
LT-15	270.20(c)(4)		Management of collection and holding facilities associated with run-on and run-off control systems	N/A			
LT-16	270.20(c)(5)		Periodic inspection as included in 270.14(b)(5)	N/A			
LT-17	270.20(c)(6)		Control of wind dispersal of particulate matter	N/A			
LT-18	270.20(d)		Description of the demonstration as req. under 264.276(a) if food-chain crops are to be grown in the treatment zone, including:	N/A			
LT-19	270.20(d)(1)		Characteristics of the food-chain crop for which the demonstration will be made	N/A			
LT-20	270.20(d)(2)		Characteristics of the waste, treatment zone, and waste application method and rate	N/A			
LT-21	270.20(d)(3)		Procedures for crop growth, sample collection, sample analysis, and data evaluation	N/A			
LT-22	270.20(d)(4)		Characteristics of the comparison crop including the location and conditions	N/A			
LT-23	270.20(e)		Compliance with requirements under 264.276(b) if food- chain crops are to be grown and cadmium is present	N/A			
LT-24	270.20(f)		Description of the vegetative cover and its post-closure care as req. under 264.280(a)(8) and (c)(2). Submittal under 270.14(b)(13)	N/A			
LT-25	270.20(g)		Compliance with 264.281 if I/R wastes will be placed in the treatment zone	N/A			
LT-26	270.20(h)		Compliance with 264.282 if incompatible wastes will be placed in the treatment zone	N/A			
LT-27	270.20(i)		Waste management plan for F020 through F027 and description of the design, construction, operations, and maintenance as req. under 264.283. Must address:	N/A			
LT-28	270.20(i)(1)		Volume, physical, and chemical characteristics, including the potential to migrate to the environment	N/A			
LT-29	270.20(i)(2)		Attenuative characteristics of the soils	N/A			
LT-30	270.20(i)(3)		Mobilizing properties of co-disposed materials	N/A			
LT-31	270.20(i)(4)		Effectiveness of additional treatment, design, or monitoring techniques.	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR LANDFILLS - 270.21							
LF-1	270.21(a)		List of hazardous wastes	N/A			
LF-2	270.21(b)		Plans and engineering report on the design, construction, operations, and maintenance as req. under 264.19, 301, 302, and 303, addressing:	N/A			
LF-3	270.21(b)(1)		(i) the liner system as req. under 264.301(a) or an exemption as req. under 264.301(b) (ii) The double liner and leachate detection, collection, and removal as req. under 264.301(c) or an exemption as req. under 264.301(d),(e), or (f) (iii) Plans and engineering report if the leak detection is located in the saturated zone (iv) The construction quality assurance plan as req. under 264.19 (v) The proposed action leakage rate (264.302) and response action plan (264.303)	N/A			
LF-4	270.21(b)(2)		Control of run-on	N/A			
LF-5	270.21(b)(3)		Control of run-off	N/A			
LF-6	270.21(b)(4)		Management of collection and holding facilities associated with run-on and run-off control systems	N/A			
LF-7	270.21(b)(5)		Control of wind dispersal	N/A			
LF-8	270.21(c)		Inspection of each landfill, including the double liner system, LCRS, leak detection, cover system, appurtenances for control of run-on and run-off as req. under 264.303(a),(b) and (c). This information to be submitted under 270.14(b)(5)	N/A			
LF-9	270.21(d)		Description of the proposed inspection of each landfill, including the liner and cover systems as req. under 264.303(a),and (b). Inspection plan to be submitted under 270.14(b)(5)	N/A			
LF-10	270.21(e)		Plans and engineering report on the final cover at closure as req. under 264.310(a), and maintenance and monitoring after closure as req. under 264.310(b). This information be submitted under 270.14(b)(13)	N/A			
LF-11	270.21(f)		If I/R wastes to be landfilled, explanation of compliance with 264.312	N/A			
LF-12	270.21(g)		If incompatible wastes to be landfilled, explanation of compliance with 264.313	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
LF-13	270.21(i)		If containers of HW are to be landfilled, explanation of compliance with 264.315 or 316	N/A			
LF-14	270.21(j)		Waste management plan for F020 through F027 and description of the design, construction, operations, and maintenance as req. under 264.317. Must address:	N/A			
LF-15	270.21(j)(1)		Volume, physical and chemical characteristics, and potential to migrate to the environment	N/A			
LF-16	270.21(j)(2)		Attenuative properties of soils	N/A			
LF-17	270.21(j)(3)		Mobilizing properties of co-disposed materials	N/A			
LF-18	270.21(j)(4)		Effectiveness of additional treatment, design, and monitoring techniques	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR BOILERS AND INDUSTRIAL FURNACES - 270.22				Per 270.22, CPCC is in compliance with 40 CFR 63, Supart EEE; therefore this section does not apply.			
Trial burns							
BF-1	270.22(a)(1)		General. Subject to standards by 266.104, 105, 106, and 107 and plan and results of a trial burn as req. under 270.66 (i) Waiver of trial burn under 266.104 through 107 and (a)(2) through (5) of this section (ii) Submittal of data in lieu of a trial burn as prescribed in (a)(6) of this section	N/A			
BF-2	270.22(a)(2)		Waiver of trial burn for DRE (i) Boilers operated under special operating requirements by 266.110 (ii) Boilers and industrial furnaces burning low risk waste provided by 266.104(a)(5) and 266.109(a), must submit: (A) Documentation that the device is operated as req. under 266.109(a)(1) (B) Results of analyses of each waste to be burned, documenting non-metal compounds in appendix VIII of 261. Identification and basis for constituents excluded from the analysis. Analysis techniques in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (see 260.11) (C) Documentation of firing rates and calculations of worst-case emission rates for each constituent in (a)(2)(ii)(B) using procedures in 266.109(a)(2)(ii) (D) Results of dispersion modeling for emissions in (a)(2)(ii)(C) using procedures in 266.106(h). Director is to approve the modeling or recommend an alternate method (E)Documentation that the maximum annual average ground level concentration of each constituent in (a)(2)(ii)(B) in conformance with (a)(2)(ii)(D) does not exceed the allowable ambient level in appendices IV or V of 266. For levels not established, use 0.1 micrograms per cubic meter.	N/A			
BF-3	270.22(a)(3)		Waiver of trial burn for metals Under Tier I (or adjusted Tier I) metals feed rate screening limits by 266.106(b) and (e), must submit: (i) Feed rate of HW and other fuels, and industrial furnace feed stocks (ii) Concentration of each metal controlled by 266.106(b) or (e), and calculations of the total feed rate (iii) Documentation that Tier I feed rate screening limits by 266.106(b) or (e) will not be exceeded during the averaging period (iv) Determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use by 266.106(b)(3) through (5) (v) Documentation of compliance with 266.106(b)(6) for multiple stacks (vi) Documentation of no failure of criteria in 266.106(b)(7) for eligibility to comply with screening limits (vii) Sampling and metals analysis plan for the HW, other fuels, and industrial furnace feed stocks	N/A			
BF-4	270.22(a)(4)		Waiver of trial burn for particulate matter Under the low risk waste by 266.109(b), must submit documentation supporting conformance with (a)(2)(ii) and (a)(3)	N/A			
BF-5	270.22(a)(5)		Waiver of trial burn for HCl and Cl2 Under the Tier I (or adjusted Tier I) feed rate screening limits by 266.107(b)(1) and (e), must submit: (i) Feed rate of HW and other fuels, and industrial furnace feed stocks (ii) Levels of total chloride and chlorine and calculations of the total feed rate (iii) Documentation that Tier I feed rate screening limits by 266.107(b) or (e) will not be exceeded during the averaging period (iv) Determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use by 266.107(b)(3) (v) Documentation of compliance with 266.107(b)(4) for multiple stacks (vi) Documentation of no failure of criteria in 266.107(b)(3) for eligibility to comply with screening limits (vii) Sampling and analysis plan for total chloride and chlorine for the HW, other fuels, and industrial furnace feed stocks	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BF-6	270.22(a)(6)		Data in lieu of trial burn Providing information required by 270.66 from previous compliance testing in conformance with 266.103, or from trial burns of similar devices burning similar wastes under similar conditions in conformance with 266.102(c). In addition, submit: (i) For a waiver of any trial burn: (A) A description and analysis of the HW to be burned compared with HW of the compliance testing (B) The design and operating conditions of the furnace compared with that of the comparative burn (C) Supplemental information (ii) For a waiver of the DRE trial burn - basis for selection of POHCs used in comparative burns in compliance with DRE standard in 266.104(a). The analysis should specify constituents in appendix VIII of 261	N/A			
Alternate HC limit (under 266.104(f)) for industrial furnaces with organic matter in raw materials, submit:				N/A			
BF-7	270.22(b)(1)		Documentation of design and operation to minimize HC emissions	N/A			
BF-8	270.22(b)(2)		Baseline flue gas HC (and CO) concentration and levels under normal conditions when burning and not burning HW	N/A			
BF-9	270.22(b)(3)		Test burn protocol	N/A			
BF-10	270.22(b)(4)		Trial burn plan to: (i) Demonstrate flue gas HC (and CO) when burning HW do not exceed the base line (ii) Identify the types and concentrations of organic compounds listed in appendix VIII of 261 emitted when burning HW	N/A			
BF-11	270.22(b)(5)		Plan to monitor over time changes in the operation to reduce the baseline and procedures to periodically confirm the base line	N/A			
BF-12	270.22(b)(6)		Other necessary information	N/A			
BF-13	270.22(c)		Alternate metals implementation approach (under 266.106(f)) in compliance with 266.106(c) or (d). How the approach is to be implemented and monitored	N/A			
BF-14	270.22(d)		Automatic waste feed cutoff system including pre-alarm systems	N/A			
BF-15	270.22(e)		Direct transfer submit information to conform with 266.111	N/A			
BF-16	270.22(f)		Residues submit information to conform with 266.112	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR MISCELLANEOUS UNITS - 270.23							
M-1	270.23(a)		Description of the unit:	N/A			
M-2	270.23(a)(1)		Physical characteristics, materials of construction, and dimensions of the unit	N/A			
M-3	270.23(a)(2)		Plans and engineering reports on the location, design, construction, operations, maintenance, monitoring, inspection, and closure to comply with 264.601 and 602	N/A			
M-4	270.23(a)(3)		Plans to comply with post-closure requirements of 264.603, if applicable	N/A			
M-5	270.23(b)		Detailed hydrologic, geologic, and meteorological assessments and land-use maps in compliance with 264.601	N/A			
M-6	270.23(c)		Information on the potential exposure to humans or the environment, the potential magnitude and nature of such exposures	N/A			
M-7	270.23(d)		Report on effectiveness of the treatment	N/A			
M-8	270.23(e)		Any additional information to comply with 264.601	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR PROCESS VENTS - 270.24							
V-1	270.24(a)		For facilities that can not timely comply with 264 subpart AA, implementation schedule as specified in 264.1033(a)(2)	N/A			
V-2	270.24(b)		Documentation of compliance with 264.1032, including:	N/A			
V-3	270.24(b)(1)		Data on all affected process vents, their annual throughput and operating hours, the individual and total emission rate, and their locations.	N/A			
V-4	270.24(b)(2)		Data on vent emissions and emission reductions	N/A			
V-5	270.24(b)(3)		Data used in determination if a process vent is subject to 264.1032	N/A			
V-6	270.24(c)		When use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system, and use test data to determine the organic removal efficiency or the total organic compound concentration, submit a performance test plan as specified in 264.1035(b)(3)	N/A			
V-7	270.24(d)		Documentation of compliance with 264.1033, including:	N/A			
V-8	270.24(d)(1)		List of references and sources to prepare the documentation	N/A			
V-9	270.24(d)(2)		Records, including dates, of each compliance test as req. by 264.1033(k)	N/A			
V-10	270.24(d)(3)		Design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams (260.11) or other acceptable engineering texts presenting basic control device design information. Must address the vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii)	N/A			
V-11	270.24(d)(4)		A statement signed and dated, certifying that the operating parameters in design represent the conditions when the HW management unit would be operating at the highest capacity.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
V-12	270.24(d)(5)		A statement signed and dated, certifying that the control device is designed to operate at a minimum 95 weight percent efficiency unless the total organic emission limits of 264.1032(a) can be attained by a control device involving vapor recovery less than 95 weight percent efficiency	N/A			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR EQUIPMENT - 270.25							
For each piece of equipment subject to 264 subpart BB:							
E-1	270.25(a)(1)		Equipment ID and HW management unit ID numbers	L.2, Attachment L-1			
E-2	270.25(a)(2)		Location within the facility	L.2, Attachment L-1			
E-3	270.25(a)(3)		Type of equipment	L.2, Attachment L-1			
E-4	270.25(a)(4)		Percent by weight total organics	L.2			
E-5	270.25(a)(5)		Hazardous waste state at equipment	L.2, Attachment L-1			
E-6	270.25(a)(6)		Compliance method (e.g., monthly leak detection and repair or dual mechanical seals)	L.2			
E-7	270.25(b)		For facilities that can not timely comply with 264 subpart BB, an implementation schedule as specified in 264.1033(a)(2)	N/A			
E-8	270.25(c)		When use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system, and use test data to determine the organic removal efficiency or the total organic compound concentration, submit a performance test plan as specified in 264.1035(b)(3)	N/A			
E-9	270.25(d)		Documentation of compliance with 264.1052 through 1059 containing records req. under 264.1064	L.2			
E-10	270.25(e)		Documentation of compliance with 264.1060, including:	L.2			
E-11	270.25(e)(1)		References and sources to prepare the documentation	L.2			
E-12	270.25(e)(2)		Records and dates of compliance test as req. under 264.1033(j)	N/A			
E-13	270.25(e)(3)		Design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams (260.11) or other acceptable engineering texts presenting basic control device design information. Must address the vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii)	N/A			
E-14	270.25(e)(4)		A statement signed and dated, certifying that the operating parameters in design represent the conditions when the HW management unit would be operating at the highest capacity.	N/A			
E-15	270.25(e)(5)		A statement signed and dated, certifying that the control device is designed to be operated at a minimum 95 weight percent efficiency	N/A			
SPECIAL PART B INFORMATION REQUIREMENTS FOR DRIP PADS - 270.26							
D-1	270.26(a)		List of hazardous wastes	N/A			
D-2	270.26(b)		Plans and engineering report as required by 264.90(b)(2) if an exemption is sought (264 subpart F, 264.90)	N/A			
D-3	270.26(c)		Plans and engineering report on the design, construction, operations, and maintenance as req. under 264.573 including as-built drawings and specs. Must address requirements of 264.571, including:	N/A			
D-4	270.26(c)(1)		Design characteristics	N/A			
D-5	270.26(c)(2)		Liner system	N/A			
D-6	270.26(c)(3)		Leakage detection system, including detection of failure or fluid accumulation	N/A			
D-7	270.26(c)(4)		Maintenance practices	N/A			
D-8	270.26(c)(5)		Collection system	N/A			
D-9	270.26(c)(6)		Control of run-on	N/A			
D-10	270.26(c)(7)		Control of run-off	N/A			
D-11	270.26(c)(8)		Removal interval of drippage/materials from the collection system and a statement demonstrating such interval be sufficient to prevent overflow	N/A			
D-12	270.26(c)(9)		Procedures and documentation of cleaning the drip pad once every 7 days	N/A			
D-13	270.26(c)(10)		Operating practices and procedures to ensure the tracking of HW and the minimization of waste off the drip pad	N/A			
D-14	270.26(c)(11)		Procedures to ensure that treated woods are held on the drip pad until the cessation of drippage, including recordkeeping practices	N/A			
D-15	270.26(c)(12)		Provisions to ensure the collection and holding units are emptied or managed ASAP after storms	N/A			
D-16	270.26(c)(13)		If treatment is at the drip pad, state the equipment used, and the nature and quality of residuals	N/A			
D-17	270.26(c)(14)		Description of the inspection of each drip pad, including appurtenances for control of run-on and run- off, to meet 264.573	N/A			
D-18	270.26(c)(15)		A certification by a P.E. that the drip pad design meets 264.573(a) through (f)	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
D-19	270.26(c)(16)		Removal of residues/contaminants at closure to meet 264.575(a). Compliance plan as req. under 264.310(a) and (b) for non-removal waste after closure. This information should be included in the closure and post- closure plans under 270.14(b)(13)	N/A			
APPLICABILITY - 264.190							
TT-1	264.190(a)		Tank systems that contain no free liquid, located inside a building and on an impervious floor are exempted from 264.193. Method 9095 (Paint Filter Liquids Test) to demonstrate free liquids.	N/A			
TT-2	264.190(b)		Tank systems including sumps that serve as secondary containment exempted from 264.193(a)	N/A			
TT-3	264.190(c)		Tanks, sumps used in conjunction with drip pads must meet requirements of this subpart	N/A			
ASSESSMENT OF EXISTING TANK SYSTEM'S INTEGRITY - 294.191							
TT-4	264.191(a)		For each tank system without secondary containment, the facility must determine the tank system is not leaking or unfit to use. Except as in paragraph (c) of this section , must have an integrity assessment (270.11(d)) by an independent PE by 1/12/88	N/A			
TT-5	264.191(b)		Assessment showing the tank system is adequately designed, sufficiently strong, and compatible with wastes such that it will not fail. The assessment must contain:	N/A			
TT-6	264.191(b)(1)		Design standards for tanks and ancillary equipment	N/A			
TT-7	264.191(b)(2)		Hazardous characteristics of waste handled	N/A			
TT-8	264.191(b)(3)		Existing corrosion protection	N/A			
TT-9	264.191(b)(4)		Age of tank	N/A			
TT-10	264.1919b)(5)		Results of a leak test, internal inspection, or integrity examination such that: (1) For non-enterable underground tanks, must account the effects of temperature variations, tank end deflection, vapor pockets, and water table effects, and (2) For other than non-enterable underground tanks and ancillary equipment, must include either a leak test or an integrity examination certified by an independent P.E. that addresses cracks, leaks, corrosion and erosion	N/A			
TT-11	264.191(c)		For wastes that become hazardous after July 14, 1986, must conduct assessment within 12 months	N/A			
TT-12	264.191(d)		Tanks unfit to be used as result of paragraph (a) of this section, must comply with 264.196	N/A			
DESIGN AND INSTALLATION OF NEW TANK SYSTEM S AND COMPONENTS - 264.192							
TT-13	264.192(a)		The facility must submit a written assessment, by an independent P.E., attesting that the tank system has adequate foundation, support, seams, connection, pressure controls, structural integrity, compatibility with wastes, that it will not fail. Must include:	N/A			
TT-14	264.192(a)(1)		Design standards	N/A			
TT-15	264.192(a)(2)		Hazardous characteristics	N/A			
TT-16	264.192(a)(3)		For tank systems in contact with soil or water, a corrosion expert's determination: (1) Factors affecting potential for corrosion: a. Soil moisture b. Soil pH c. Soil sulfides d. Soil resistivity e. Structure to soil potential f. Influence of nearby underground metals structures g. Existence of stray electric current h. Existing corrosion protection measures (2) Type and degree of external corrosion protection: a. Corrosion-resistant material b. Corrosion-resistant coating c. Electrical isolation devices	N/A			
TT-17	264.192(a)(4)		Measures to protect tank systems from vehicular traffic damage	N/A			
TT-18	264.192(a)(5)		Design considerations: (i) Tank foundation (ii) Anchor system (iii) Frost heave	N/A			
TT-19	264.192(b)		Proper handling procedures during installation. An independent P.E. or a qualified installation inspector must inspect: (1) Weld breaks (2) Punctures (3) Scrapes of protective coatings (4) Cracks (5) Corrosion (6) Other damage Deficiencies must be remedied before covered, enclosed, or placed in use.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
TT-20	264.192(c)		Backfill material must be noncorrosive, porous, homogenous, and supportive.	N/A			
TT-21	264.192(d)		Test for tightness. Deficiencies must be remedied before covered, enclose, or placed in use.	N/A			
TT-22	264.192(e)		Ancillary equipment must be supported and protected.	N/A			
TT-23	264.192(f)		Must provide corrosion protection, as in paragraph (a)(3) of this section.	N/A			
TT-24	264.192(g)		Must keep record of all certifications, also as required in 270.11(d)	N/A			
CONTAINMENT AND DETECTION OF RELEASES - 264.193							
TT-25	264.193(a)		Requirements to have secondary containment, except as provided in paragraphs (f) or (g) of this section:	N/A			
TT-26	264.193(a)(1)		For new systems prior to putting into service	N/A			
TT-27	264.193(a)(2)		For existing tank systems storing F020 through F027, within 2 years after 1/12/87	N/A			
TT-28	264.193(a)(3)		For existing tank systems with documented age, within 2 years after 1/12/87, or 15 years, whichever later	N/A			
TT-29	264.193(a)(4)		For existing tank systems with no documented age, within 8 years of 1/12/87; but if facility is more than 7 years, within 2 years after 1/12/87 or facility reaches 15 years, whichever later	N/A			
TT-30	264.193(a)(5)		For tank systems that store or treat materials that become hazardous waste subsequent to 1/12/87, within the period required in paragraphs (a)(1) to (a)(4) of this section, except that the date that the material becomes a hazardous waste must be used in place of 1/12/87.	N/A			
TT-31	264.193(b)		Secondary containment systems must be:	N/A			
TT-32	264.193(b)(1)		Designed, installed, and operated to prevent migration to the environment	N/A			
TT-33	264.193(b)(2)		Capable of detecting and collecting releases	N/A			
TT-34	264.193(c)		To meet paragraph (b) of this section above, the secondary containment systems must be:	N/A			
TT-35	264.193(c)(1)		Constructed of materials compatible with wastes and sufficient strength	N/A			
TT-36	264.193(c)(2)		Placed on sound foundation	N/A			
TT-37	264.193(c)(3)		Provided a leak detection system to detect leak within 24 hrs.	N/A			
TT-38	264.193(c)(4)		Sloped to remove liquids	N/A			
TT-39	264.193(d)		Secondary containment for tanks must include one or more:	N/A			
TT-40	264.193(d)(1)		A liner	N/A			
TT-41	264.193(d)(2)		A vault	N/A			
TT-42	264.193(d)(3)		A double-walled tank, or	N/A			
TT-43	264.193(d)(4)		An approved equivalent device	N/A			
TT-44	264.193(e)		In addition to paragraphs (b), (c), and (d) of this section, the secondary containment systems must satisfy:	N/A			
TT-45	264.193(e)(1)		External liner systems must: (1) Contain 100% of the largest tank's capacity (2) Prevent run-on or infiltration. Additional capacity to hold 25-year, 24-hour rainfall event (3) Have no cracks and gaps (4) Completely surround the tank	N/A			
TT-46	264.193(e)(2)		Vault systems must: (1) Contain 100% of the largest tank's capacity (2) Prevent run-on or infiltration. Additional capacity to hold 25-year, 24-hr rainfall event (3) Have water stops at all joints (4) Have an impermeable interior coating or lining (5) Protect ignition vapors, if wastes meet: a. Ignitability, 262.21 b. Reactivity, 262.21 (6) Have an external moisture barrier	N/A			
TT-47	264.193(e)(3)		Double-walled tanks must: (i) Be an integral structure (ii) Be protected from corrosion (iii) Have a continuous leak detection system to detect releases within 24 hours	N/A			
TT-48	264.193(f)		Ancillary equipment must have secondary containment as req. in paragraphs (b) and (c) of this section, except: (1) Visually inspected daily above-ground piping (2) Visually inspected daily welded flanges, joints, and connection (3) Visually inspected daily sealless pumps and valves Visually inspected daily pressurized above-ground piping systems with automatic shut off devices	N/A			
TT-49	264.193(g)		Variance from the req. of this section as a result of a demonstration	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
TT-50	264.193(g)(1)		In deciding whether to grant a variance based on protection of ground and surface waters, the agency will consider: (i) Nature and quantity of wastes (ii) Proposed design (iii) Hydrogeology (iv) Other factors	N/A			
TT-51 TT-51	264.193(g)(2)		To decide whether to grant a variance based on no potential hazard, the agency will consider: (4) Adverse effects on ground and surface waters and land: a. Characteristics of wastes b. Hydrogeology c. Human health risk d. Damage to wildlife, crops, vegetation, and physical structures	N/A			
(cont.)			e. Persistence and permanence (5) Adverse effects of a release on groundwater quality: a. Quality, quantity, and direction of groundwater flow b. Proximity and withdrawal rates of groundwater users c. Current and future uses d. Existing groundwater quality (6) Adverse effects of a release on surface water quality: a. Quality, quantity, and direction of surface water flow b. Rainfall patterns c. Proximity of tank systems to surface water d. Current and future uses of surface water and any water quality standards e. Existing quality of surface water (7) Adverse effects of a release on the surrounding land: a. Rainfall patterns current and future uses of surrounding land	N/A			
TT-52	264.193(g)(3)		Facility with a granted variance in accordance with paragraph (g)(1) of this section, when a release has occurred but not beyond the control zone, must: (8) Comply with reqs 264.196, except (d), and (9) Decontaminate and remove soil to: a. Enable the tank systems to reach the same detection capability as before the release b. Prevent migration of wastes to ground or surface water (10) If soil can not be decontaminated or removed, comply with 264.197(b)	N/A			
TT-53	264.193(g)(4)		Facility with a granted variance in accordance with paragraph (g)(1) of this section, when a release has occurred and migrated beyond the control zone, must: (11) Comply with 264.196 (a), (b), (c), and (d) (12) Prevent migration to water, decontaminate, and remove soil. If can not do so or the groundwater has been contaminated, must comply with 264.197(b); and (13) Install secondary containment if repair, replace, or reinstall the tank systems				
TT-54	264.193(h)		Procedures when requesting for a variance from secondary containment	N/A			
TT-55	264.193(h)(1)		Must notify in writing according to the following schedule: For existing tank systems, at least 24 months prior to the date that secondary containment must be provided in accordance with paragraph (a) of this section For new tank, at least 30 days before a contract for installation	N/A			
TT-56	264.193(h)(2)		Submit steps of demonstration and timelines. Must address paragraphs (g)(1) and (2) of this section	N/A			
TT-57	264.193(h)(3)		The demonstration must be completed within 180 days after notification to conduct demonstration	N/A			
TT-58	264.193(h)(4)		If a variance is granted, must construct and operate as demonstrated	N/A			
TT-59	264.193(i)		All tank systems w/o secondary containment must comply with the following:	N/A			
TT-60	264.193(i)(1)		For non-entered underground tanks, a leak test as 264.191(b)(5) must be conducted annually	N/A			
TT-61	264.193(i)(2)		For other than non-entered underground tanks, must conduct a leak test as in paragraph (i)(1) of this section or a schedule and procedure for an overall assessment	N/A			
TT-62	264.193(i)(3)		For ancillary equipment, a leak test must be conducted annually	N/A			
TT-63	264.193(i)(4)		The facility must keep record of the assessments conducted according to paragraphs (i)(1) through (i)(3) of this section	N/A			
TT-64	264.193(i)(5)		The facility must comply with 264.196 when leaking	N/A			
GENERAL OPERATING REQUIREMENTS - 264.194							
TT-65	264.194(a)		Hazardous wastes or treatment reagents must not be placed in a tank system if they cause adverse effects	N/A			
TT-66	264.194(b)		The facility must use appropriate controls and practices to prevent spillage, including:	N/A			
TT-67	264.194(b)(1)		Spill prevention controls	N/A			
TT-68	264.194(b)(1)		Overfill prevention controls	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
TT-69	264.194(b)(1)		Maintenance of adequate freeboard	N/A			
TT-70	264.194(c)		The facility must comply with 264.196 if a leak or spill occurs	N/A			
INSPECTIONS - 264.195							
TT-71	264.195(a)		The facility must develop and follow a schedule and procedure for inspection of overfill controls	N/A			
TT-72	264.195(b)		The facility must inspect each operating day:	N/A			
TT-73	264.195(b)(1)		The aboveground portions	N/A			
TT-74	264.195(b)(2)		Data gathered from monitoring and leak detection equipment	N/A			
TT-75	264.195(b)(3)		The construction materials and surrounding areas	N/A			
TT-76	264.195(c)		The facility must inspect the cathodic protection system:	N/A			
TT-77	264.195(c)(1)		Proper operation must be confirmed within six months after installation and annually thereafter; and	N/A			
TT-78	264.195(c)(2)		Impressed current must be inspected at least bi-monthly	N/A			
TT-79	264.195(d)		The facility must document records of inspection as req by paragraphs (a) through (c) of this section	N/A			
RESPONSE TO LEAKS OR SPILLS AND DISPOSITION OF LEAKING OR UNFIT-FOR-USE SYSTEMS - 264.196							
TT-80	264.196(a)		Cessation of use; prevent flow or addition of wastes	N/A			
TT-81	264.196(b)		Removal of wastes from tank system or secondary containment system	N/A			
TT-82	264.196(b)(1)		If the release was from the tank system, must remove wastes, within 24 hours, to allow inspection and repair	N/A			
TT-83	264.196(b)(2)		If the release was to the secondary containment system, all releases must be removed within 24 hours	N/A			
TT-84	264.196(c)		Containment of visible releases to the environment. Must conduct visual inspection:	N/A			
TT-85	264.196(c)(1)		Prevent further migration	N/A			
TT-86	264.196(c)(2)		Remove and properly dispose of any contamination	N/A			
TT-87	264.196(d)		Notification, reports	N/A			
TT-88	264.196(d)(1)		Any releases to the environment except as in paragraph (d)(2) of this section must be reported within 24 hours	N/A			
TT-89	264.196(d)(2)		Exemption, if: Less than or equal to 1 pound Immediately contained and cleaned up	N/A			
TT-90	264.196(d)(3)		Report within 30 days of detection, including: (i) Likely route of migration (ii) Characteristics of the surrounding soil (iii) Results of any monitoring or sampling (iv) Proximity to downgradient drinking water, surface water and populated areas; and (v) Description of response actions	N/A			
TT-91	264.196(e)		Provision of secondary containment, repair, or closure	N/A			
TT-92	264.196(e)(1)		Unless the facility satisfies paragraphs (e)(2) through (4) of this section, must be closed in accordance with 264.197	N/A			
TT-93	264.196(e)(2)		If the release does not damage the integrity of the system, the facility may return the system to service after clean up and repairs	N/A			
TT-94	264.196(e)(3)		If the release from the primary to the secondary, the system must be repaired prior returning to service	N/A			
TT-95	264.196(e)(4)		If the release from a system without a secondary containment, the facility must replace it with a secondary containment as req in 264.193 before returning to service, unless the portion is aboveground that can be inspected visually	N/A			
TT-96	264.196(f)		Certification of major repairs must be submitted within 7 days after returning the tank system to use	N/A			
CLOSURE AND POST-CLOSURE CARE - 264.197							
TT-97	264.197(a)		Clean close. The closure plan, closure activities, cost estimates, and financial responsibility must meet requirements in G and H of this part	N/A			
TT-98	264.197(b)		Close in place. Perform post closure requirements as in 264.310, and G and H of this part	N/A			
TT-99	264.197(c)		Tank systems without secondary containment that meet 264.193(b) through (f) and no variance granted, then:	N/A			
TT-100	264.197(c)(1)		The closure plan must include both a plan for complying with paragraph (a) and a contingent plan complying with paragraph (b) of this section	N/A			
TT-101	264.197(c)(2)		A contingent post-closure plan for complying with paragraph (b) of this section must be submitted as a part of the permit application	N/A			
TT-102	264.197(c)(3)		Total cost estimate must be inclusive of all plans	N/A			
TT-103	264.197(c)(4)		Financial assurance must be based on paragraph (c)(3) of this section	N/A			
TT-104	264.197(c)(5)		For tank systems that are to be considered as landfill, must meet all requirements for landfills under G and H of this part	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES - 264.198							
TT-105	264.198(a)		Ignitable or reactive waste must not be placed in tank systems, unless:	N/A			
TT-106	264.198(a)(1)		The waste is treated, so that: (vi) The resulting mixture does not meet the definitions of ignitable or reactive; and (vii) Section 264.17(b) is complied with; or	N/A			
TT-107	264.198(a)(2)		The waste is stored or treated in such a way that it does not ignite or react; or	N/A			
TT-108	264.198(a)(3)		The tank system is used solely for emergency	N/A			
TT-109	264.198(b)		The facility must comply with all the distance regulations in Tables 2-1 through 2-6 of the National Fire Protection Association's "Flammable and Combustible Liquid Code"	N/A			
SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES - 264.199							
TT-110	264.199(a)		Must not be placed in the same tank, unless 264.17(b) is complied with	N/A			
TT-111	264.199(b)		Hazardous wastes must not be placed in a tank system that has not been decontaminated and that previously held an incompatible waste, unless 264.17(b) is complied with	N/A			
TT-112		**SUBCHAPTER 19 PART 5**	**TANK AND CONTAINER RECYCLERS**	N/A			
TT-113		19-29	Applicability	N/A			
TT-114		19-30	Incidents	N/A			
TT-115		19-31	Handling of tank and container residues and cleaning wash solutions	N/A			
TT-116		19-32	Storage Requirements	N/A			
TT-117		19-33	Notification Requirements	N/A			
TT-118		19-34	Recordkeeping	N/A			
Containers Storage Permitting Checklist	(CC-1) **APPLICABILITY - 264.170** To all facilities that store containers of hazardous waste (HW), except as 264.1 provides otherwise.			N/A			
DELETE							
for	(CC-2)			N/A			
CPCC							
	(CC-3) **COMPATIBILITY OF WASTE WITH CONTAINERS - 264.172**						
MANAGEMENT OF CONTAINERS - 264.173							
CC-4	264.173(a)		Containers must always be closed during storage.	N/A			
CC-5	264.173(b)		Handle containers in a manner to prevent rupture or leak.	N/A			
(CC-6) **INSPECTION - 264.174**							
CONTAINMENT - 264.175							
CC-7	264.175(a)		Containment system required as under (b), or exception as in (c).	N/A			
CC-8	264.175(b)		Containment system must be designed and operated as follows:	N/A			
CC-9	264.175(b)(1)		The base must be without cracks or gaps and impervious to contain accidental releases until collection;	N/A			
CC-10	264.175(b)(2)		Designed to drain liquid or containers must be protected from contacting with liquid;	N/A			
CC-11	264.175(b)(3)		The containment volume is the greater of the 10% of the total volume of containers or the volume of the largest container. (This volume is not needed if containers do not contain free liquids);	N/A			
CC-12	264.175(b)(4)		Prevention of run-on;	N/A			
CC-13	264.175(b)(5)		Accidental releases must be removed timely to prevent overflow.	N/A			
CC-14	264.175(c)		Storage areas for containers with no free liquids need not comply with (b), except (d) or provided that:	N/A			
CC-15	264.175(c)(1)		The storage area is designed and operated to drain precipitation, or	N/A			
CC-16	264.175(c)(2)		Containers are protected from contacting with accumulated liquid.	N/A			
CC-17	264.175(d)		Storage areas must comply with (b) if contain the following wastes:	N/A			
CC-18	264.175(d)(1)		F020 through F023, F026, and F027.	N/A			
CC-19	264.175(d)(2)		[Reserved]	N/A			
(CC-20) **SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE - 264.176**							
(CC-21) **SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES - 264.177**							
CC-22	264.177(a)		Must not be placed in the same container, unless 264.17(b) is complied with.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
CC-23	264.177(b)		HW must not be placed in an unwashed container that previously held an incompatible waste.	N/A			
CC-24	264.177(c)		Containers holding incompatible wastes must be separated and protected from nearby wastes with physical means.	N/A			
(CC-25) **CLOSURE - 264.178**							
APPLICABILITY - 264.1050							
BB 1	264.1050(a)		Applies to facilities that treat, store, or dispose of hazardous wastes (except as provided in 264.1).	Section L.2			
BB 2	264.1050(b)		Except as in 264.1064(k), this subpart applies to equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight that are managed in:	Section L.2			
BB 3	264.1050(b)(1)		Units that are subject to the permitting requirements of part 270, or	Section L.2			
BB 4	264.1050(b)(2)		Hazardous waste recycling units that are located on hazardous waste management facilities otherwise subject to the permitting requirements of part 270.	N/A			
BB 5	264.1050(c)		**If the facility with equipment subject to 264.1052 through 264.1065 has received a permit under section 3005 of RCRA prior to December 21, 1990, 264.1052 through 264.1065 must be incorporated when the permit is reissued under 124.15 or reviewed under 270.50.**	N/A			
BB 6	264.1050(d)		Each piece of applicable equipment shall be marked to be distinguished readily from other pieces of equipment.	Section L.2, Attachment L-1			
BB 7	264.1050(e)		Equipment that is in vacuum service is excluded from the requirements of 264.1052 to 264.1060 if it is identified as required in 264.1064(g)(5).	N/A			
(BB 8) **DEFINITIONS - 264.1051**							
STANDARDS: PUMPS IN LIGHT LIQUID SERVICE - 264.1052							
BB 9	264.1052(a)(1)		Each pump shall be monitored monthly to detect leaks by the methods in 264.1063(b), except as provided in para- graphs (d), (e), and (f) of this section.	N/A			
BB 10	264.1052(a)(2)		Each pump shall be visually inspected each week for indications of liquids dripping from the pump seal.	N/A			
BB 11	264.1052(b)(1)		If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	N/A			
BB 12	264.1052(b)(2)		If there are indications of liquids dripping from the pump seal, a leak is detected.	N/A			
BB 13	264.1052(c)(1)		When a leak is detected, it shall be repaired □ as soon as practicable, □ but not later than 15 days after detection, except as provided in 264.1059.	N/A			
BB 14	264.1052(c)(2)		A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	N/A			
BB 15	264.1052(d)		Each pump with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (a) of this section, provided the following requirements are met:	N/A			
BB 16	264.1052(d)(1)		Each dual mechanical seal system must be: (i) Operated with the barrier fluid pressure at all times greater than the pump stuffing box pressure, or (ii) Equipped with a barrier fluid degassing reservoir connected by a closed-vent system to a control device that complies with 264.1060, or (iii) Equipped with a system that purges the barrier fluid into a hazardous waste stream with no detectable emissions.	N/A			
BB 17	264.1052(d)(2)		The barrier fluid system must not be a hazardous waste with organic concentrations 10 percent or greater by weight.	N/A			
BB 18	264.1052(d)(3)		Each barrier fluid system must have a sensor to detect the failure of the seal system, the barrier fluid system, or both.	N/A			
BB 19	264.1052(d)(4)		Each pump must be visually inspected each week for indications of liquids dripping from the pump seals.	N/A			
BB 20	264.1052(d)(5)		(i) Each sensor in paragraph (d)(3) of this section must □ be checked daily or □ be equipped with an audible alarm that must be checked monthly. (ii) The facility must determine a criterion that indicates failure of the seal system, the barrier fluid system, or both.	N/A			
BB 21	264.1052(d)(6)		(i) If there are indications of liquids dripping from the pump seal or the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion in paragraph (d)(5)(ii) of this section, a leak is detected. (ii) When a leak is detected, it shall be repaired □ as soon as practicable, □ but not later than 15 days after detection, except as provided in 264.1059. (iii) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 22	264.1052(e)		Any designated pump, as described in 264.1064(g)(2), for no detectable emissions (less than 500 ppm above background) is exempt from requirements in paragraphs (a), (c) and (d) of this section if the pump meets the following requirements:	N/A			
BB 23	264.1052(e)(1)		Must have no externally actuated shaft penetrating the pump housing.	N/A			
BB 24	264.1052(e)(2)		Must operate with no detectable emissions (instrument reading of less than 500 ppm above background by methods in 264.1063(c)).	N/A			
BB 25	264.1052(e)(3)		Must be tested for compliance with paragraph (e)(2) of this section initially upon designation, annually, and at other times as requested by the Agency.	N/A			
BB 26	264.1052(f)		Any pump with a closed-vent system capable of capturing and transporting any leakage from the seal(s) to a control device that complies with 264.1060 is exempt from the requirements of paragraphs (a) through (e) of this section.	N/A			
STANDARDS: COMPRESSORS - 264.1053							
BB 27	264.1053(a)		**Each compressor must have a seal system that includes a barrier fluid system and** □ **prevents leakage of total organic emissions to the atmosphere,** **except as provided in paragraphs (h) and (i) of this section.**	N/A			
BB 28	264.1053(b)		**Each compressor seal system as required in paragraph (a) of this section shall be:**	N/A			
BB 29	264.1053(b)(1)		Operated with the barrier fluid pressure that is at all times greater than the compressor stuffing box pressure, or	N/A			
BB 30	264.1053(b)(2)		Equipped with a barrier fluid system that is connected by a closed-vent system to a control device that complies with 264.1060, or	N/A			
BB 31	264.1053(b)(3)		Equipped with a system that purges the barrier fluid into a hazardous waste stream with no detectable emissions.	N/A			
BB 32	264.1053(c)		The barrier fluid must not be a hazardous waste with organic concentrations 10 percent or greater by weight.	N/A			
BB 33	264.1053(d)		Each barrier fluid system as described in paragraphs (a) through (c) of this section shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both.	N/A			
BB 34	264.1053(e)(1)		Each sensor as required in paragraph (d) of this section shall be □ checked daily or □ equipped with an audible alarm that must be checked monthly □ checked daily (if the compressor is located in an unmanned plant site).	N/A			
BB 35	264.1053(e)(2)		The facility shall determine a criterion that indicates failure of the seal system, the barrier fluid system, or both.	N/A			
BB 36	264.1053(f)		If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under paragraph (e)(2) of this section, a leak is detected.	N/A			
BB 37	264.1053(g)(1)		When a leak is detected, it shall be repaired □ as soon as practicable, but □ not later than 15 days after detection, except as provided in 264.1059.	N/A			
BB 38	264.1053(g)(2)		A first attempt at repair shall be made no later than 5 days after each leak is detected.	N/A			
BB 39	264.1053(h)		A compressor is exempt from paragraphs (a) and (b) of this section if it has a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of 264.1060, except as provided in paragraph (i) of this section.	N/A			
BB 40	264.1053(i)		Any compressor, as described in 264.1064(g)(2), with no detectable emissions (instrument reading of less than 500 ppm above background) is exempt from the requirements of paragraphs (a) through (h) of this section if the compressor:	N/A			
BB 41	264.1053(i)(1)		Operates with no detectable emissions (instrument reading of less than 500 ppm above background) as measured by the method in 264.1063(c).	N/A			
BB 42	264.1053(i)(2)		Is tested for compliance with paragraph (i)(1) of this section initially upon designation, annually, and at other times as requested by the Agency.	N/A			
STANDARDS: PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE - 264.1054							
BB 43	264.1054(a)		Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions (instrument reading of less than 500 ppm above background), as measured by the method in 264.1063(c)	N/A			
BB 44	264.1054(b)(1)		After each pressure release, the pressure relief device shall be returned to no detectable emissions condition (instrument reading of less than 500 ppm above background), as soon as practicable, but no later than 5 days after each pressure release, except as provided in 264.1059.	N/A			
BB 45	264.1054(b)(2)		No later than 5 days after the pressure release, the pressure relief device shall be monitored to confirm the no detectable emissions condition (instrument reading of less than 500 ppm above background), as measured by the method 264.1063(c).	N/A			
BB 46	264.1054(c)		Any pressure relief device with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in 264.1060 is exempt from paragraphs (a) and (b) of this section.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
STANDARDS: SAMPLING CONNECTING SYSTEMS - 264.1055							
BB 47	264.1055(a)		Each sampling connection system shall be equipped with a closed purge system or closed-vent system.	N/A			
BB 48	264.1055(b)		Each closed-purge system or closed-vent system as required in paragraph (a) shall:	N/A			
BB 49	264.1055(b)(1)		Return the purged hazardous waste stream directly to the hazardous waste management process line with no detectable emissions, or	N/A			
BB 50	264.1055(b)(2)		Collect and recycle the purged hazardous waste stream with no detectable emissions, or	N/A			
BB 51	264.1055(b)(3)		Be designed and operated to capture and transport all the purged hazardous waste stream to a control device that complies with the requirements of 264.1060.	N/A			
BB 52	264.1055(c)		In situ sampling systems are exempt from the requirements of paragraphs (a) and (b) of this section.	N/A			
STANDARDS: OPEN-ENDED VALVES OR LINES - 264.1056							
BB 53	264.1056(a)(1)		Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve.	Section L.2			
BB 54	264.1056(a)(2)		The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring hazardous waste stream flow through the open-ended valve or line.	Section L.2			
BB 55	264.1056(b)		Each open-ended valve or line equipped with a second valve shall be operated such that the valve on the hazardous waste stream end is closed before the second valve is closed.	Section L.2			
BB 56	264.1056(c)		When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (a) of this section at all other times.	Section L.2			
STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE - 264.1057							
BB 57	264.1057(a)		Each valve in gas/vapor or light liquid service □ shall be monitored monthly to detect leaks by the methods in 264.1063(b) and □ shall comply with paragraphs (b) through (e) of this section, except as provided in paragraphs (f), (g), and (h) of this section, and 264.1061 and 264.1062.	Section L.2			
BB 58	264.1057(b)		If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	Section L.2			
BB 59	264.1057(c)(1)		Any valve for which a leak is not detected for two successive months may be monitored the first month of every succeeding quarter, beginning with the next quarter, until a leak is detected.	Section L.2			
BB 60	264.1057(c)(2)		If a leak is detected, the valve shall be monitored monthly until leak is not detected for two successive months.	Section L.2			
BB 61	264.1057(d)(1)		When a leak is detected, it shall be repaired □ as soon as practicable, □ but no later than 15 days after detection, except as provided in 264.1059.	Section L.2			
BB 62	264.1057(d)(2)		A first attempt at repair shall be made no later than 5 days after each leak is detected.	Section L.2			
BB 63	264.1057(e)		First attempts at repair include, but are not limited to, the following best practices where practicable:	Section L.2			
BB 64	264.1057(e)(1)		Tightening of bonnet bolts.	Section L.2			
BB 65	264.1057(e)(2)		Replacement of bonnet bolts.	Section L.2			
BB 66	264.1057(e)(3)		Tightening of packing gland nuts.	Section L.2			
BB 67	264.1057(e)(4)		Injection of lubricant into lubricated packing.	Section L.2			
BB 68	264.1057(f)		Any designated valve, as described in 264.1064(g)(2), for no detectable emissions (instrument reading of less than 500 ppm above background) is exempt from paragraph (a) of this section if the valve:	Section L.2			
BB 69	264.1057(f)(1)		Has no external actuating mechanism in contact with the hazardous waste stream.	Section L.2			
BB 70	264.1057(f)(2)		Is operated with emissions less than 500 ppm above background as determined by the method in 264.1063(c).	Section L.2			
BB 71	264.1057(f)(3)		Is tested for compliance with paragraph (f)(2) of this section initially upon designation, annually, and at other times as requested by the Agency.	Section L.2			
BB 72	264.1057(g)		Any designated valve, as described in 264.1064(h)(1), as an unsafe-to-monitor valve is exempt from the of paragraph (a) of this section if:	Section L.2			
BB 73	264.1057(g)(1)		The facility must determine that the valve is unsafe to monitor because monitoring personnel would be in immediate danger as complying with paragraph (a) of this section.	Section L.2			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 74	264.1057(g)(2)		The facility must adhere to a written plan that requires monitoring the valve frequently during safe-to-monitor times.	Section L.2			
BB 75	264.1057(h)		Any designated valve, as described in 264.1064(h)(2), as a difficult-to-monitor valve is exempt from paragraph (a) of this section if:	Section L.2			
BB 76	264.1057(h)(1)		The facility determines that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface.	Section L.2			
BB 77	264.1057(h)(2)		The valve is located in a hazardous waste management unit that was in operation before June 21, 1990.	Section L.2			
BB 78	264.1057(h)(3)		The facility must follow a written plan that requires monitoring of the valve at least once per calendar year.	Section L.2			
STANDARDS: PUMPS AND VALVES IN HEAVY LIQUID SERVICE, PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAVY LIQUID SERVICE, AND FLANGES AND OTHER CONNECTORS - 264.1058							
BB 79	264.1058(a)		The facility shall monitor within 5 days by the method in 264.1063(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method.	Section L.2			
BB 80	264.1058(b)		If an instrument reading is 10,000 ppm or greater, a leak is detected.	Section L.2			
BB 81	264.1058(c)(1)		When a leak is detected, it shall be repaired □ as soon as practicable, □ but not later than 15 days after detection except as provided in 264.1059.	Section L.2			
BB 82	264.1058(c)(2)		The first attempt at repair shall be made no later than 5 days after each leak is detected.	Section L.2			
BB 83	264.1058(d)		First attempts at repair include, but are not limited to, the best practices under 264.1057(e).	Section L.2			
STANDARDS: DELAY OF REPAIR - 264.1059							
BB 84	264.1059(a)		Delay in repairing leaking equipment will be allowed if the repair is technically infeasible without a hazardous waste management unit shutdown. In such a case, repair of this equipment shall occur before the end of the next hazardous waste management unit shutdown.	Section L.2			
BB 85	264.1059(b)		Delay in repairing leaking equipment will be allowed for equipment □ that is isolated from the hazardous waste management unit and □ that does not continue to contain or contact hazardous waste with organic concentrations at least 10 percent by weight.	Section L.2			
BB 86	264.1059(c)		Delay of repair for valves will be allowed if:	Section L.2			
BB 87	264.1059(c)(1)		The facility determines that emissions of purged material re- sulting from immediate repair are greater than the emissions from delay of repair.	Section L.2			
BB 88	264.1059(c)(2)		When repairing, the purged material is collected and destroyed or recovered in a control device complying with 264.1060.	Section L.2			
BB 89	264.1059(d)		Delay of repair for pumps will be allowed if:	Section L.2			
BB 90	264.1059(d)(1)		Repair requires the use of a dual mechanical seal system that includes a barrier fluid system.	Section L.2			
BB 91	264.1059(d)(2)		Repair is completed as soon as practicable, but not later than 6 months after the leak was detected.	Section L.2			
BB 92	264.1059(e)		Delay of repair beyond a hazardous waste management unit shutdown will be allowed for a valve if □ valve assembly replacement is necessary during the hazardous waste management unit shutdown, □ valve assembly supplies were sufficiently stocked before being depleted, and □ valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next hazardous waste management unit shutdown will not be allowed unless the next hazardous waste management unit shutdown occurs sooner than 6 months after the first hazardous waste management unit shutdown.	Section L.2			
(BB 93) **STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES - 264.1060** The facility with closed-vent systems and control devices shall comply with 264.1033.				N/A			
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE:							
BB 94	264.1061(a)		A facility subject to 264.1057 may elect to have all valves within a hazardous waste management unit complies with an alternative standard that allows no greater than 2% of the valves to leak.	N/A			
BB 95	264.1061(b)		The following requirements shall be met if a facility decides to comply with the alternative standard of allowing 2% of valves to leak:	N/A			
BB 96	264.1061(b)(1)		The facility must notify the Agency that they have elected to comply with the requirements of this section.	N/A			
BB 97	264.1061(b)(2)		A performance test in paragraph (c) of this section shall be conducted initially upon designation, annually, and at other times requested by the Agency.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 98	264.1061(b)(3)		If a valve leak is detected, it shall be repaired in accordance with 264.1057(d) and (e).	N/A			
BB 99	264.1061(c)		Performance tests shall be conducted as follows:	N/A			
BB 100	264.1061(c)(1)		All valves subject to 264.1057 within the hazardous waste management unit shall be monitored within 1 week by the methods 264.1063(b).	N/A			
BB 101	264.1061(c)(2)		If an instrument reading is 10,000 ppm or greater, a leak is detected.	N/A			
BB 102	264.1061(c)(3)		The leak percentage shall be determined by dividing the number of leaking valves subject to 264.1057 by the total number of valves subject to 264.1057 within the hazardous waste management unit.	N/A			
BB 103	264.1061(d)		If a facility decides to comply with this section no longer, the facility must notify the Agency in writing that the work practice standard in 264.1057(a) through (e) will be followed.	N/A			
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE:							
BB 104	264.1062(a)(1)		A facility subject to 264.1057 may elect for all valves within a hazardous waste management unit to comply with one of the alternative work practices in paragraphs (b) (2) and (3) of this section.	N/A			
BB 105	264.1062(a)(2)		The facility must notify the Agency before implementing one of the alternative work practices.	N/A			
BB 106	264.1062(b)(1)		The facility shall comply with the requirements for valves (264.1057) except as described in paragraphs (b)(2) and (b)(3) of this section.	N/A			
BB 107	264.1062(b)(2)		After two consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2%, the facility may begin to skip one of the quarterly leak detection periods for	N/A			
BB 108	264.1062(b)(3)		After five consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2 %, the facility may begin to skip three of the quarterly leak detection periods for	N/A			
BB 109	264.1062(b)(4)		If the percentage of valves leaking is greater than 2 %, the facility shall monitor monthly in compliance with 264.1057, but may again elect to use this section after meeting 264.1057(c)(1).	N/A			
TEST METHODS AND PROCEDURES - 264.1063							
BB 110	264.1063(a)		A facility subject to the provisions of this subpart shall comply with the test methods and procedures in this section.	Section L.2			
BB 111	264.1063(b)		Leak detection monitoring, as required in 264.1052- 264.1062, shall comply with the following requirements:	Section L.2			
BB 112	264.1063(b)(1)		Monitoring shall comply with Reference Method 21 in 40 CFR part 60.	Section L.2			
BB 113	264.1063(b)(2)		The detection instrument shall meet the performance criteria of Reference Method 21.	Section L.2			
BB 114	264.1063(b)(3)		The instrument shall be calibrated before use each day by the procedures in Reference Method 21.	Section L.2			
BB 115	264.1063(b)(4)		Calibration gases shall be: (i) Zero air (less than 10 ppm of hydrocarbon in air). (ii) A mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane.	Section L.2			
BB 116	264.1063(b)(5)		The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Reference Method 21.	Section L.2			
BB 117	264.1063(c)		When equipment is tested for compliance with no detectable emissions, as required in 264.1052(e), 264.1053(i), 264.1054, and 264.1057(f), the test shall comply with the following requirements:	N/A			
BB 118	264.1063(c)(1)		The requirements of paragraphs (b)(1) through (4) of this section shall apply.	N/A			
BB 119	264.1063(c)(2)		The background level shall be determined as set forth in Reference Method 21.	N/A			
BB 120	264.1063(c)(3)		The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Reference Method 21.	N/A			
BB 121	264.1063(c)(4)		The difference between the maximum concentration (instrument reading) and the background level is compared with 500 ppm for determining compliance.	N/A			
BB 123	264.1063(d)		In accordance with the waste analysis plan required by 264.13(b), the facility must determine, for each piece of equipment, whether the equipment contains or contacts a hazardous waste with organic concentration that equals or exceeds 10% by weight using the following:	Section L.2			
BB 124	264.1063(d)(1)		Methods described in ASTM Methods D 2267-88, E 169-87, E 168-88, E 260-85 (incorporated by reference under 260.11);	N/A			
BB 125	264.1063(d)(2)		Method 9060 or 8240 of SW-846 (incorporated by reference under 260.11); or	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 126	264.1063(d)(3)		Knowledge of the nature of the hazardous waste stream or the process by which it was produced. Documentation of a waste determination by knowledge is required. Examples of documentation include □ production process information documenting that no organic compounds are used, □ the waste is generated by an identical process that has previously been demonstrated by direct measurement to have a total organic content less than 10%, or □ prior speciation analysis results on the same waste stream that no process changes have occurred since that analysis that could affect the waste total organic concentration.	Section L.2			
BB 127	264.1063(e)		If the facility determines that a piece of equipment contains or contacts a hazardous waste with organic concentrations at least 10% by weight, the determination can be revised only after following the procedures in paragraph (d)(1) or (d)(2) of this section.	Section L.2			
BB 128	264.1063(f)		When the facility and the Agency do not agree on whether a piece of equipment contains or contacts a hazardous waste with organic concentrations at least 10% by weight, the procedures in paragraph (d)(1) or (d)(2) of this section can be used to resolve the dispute.	Section L.2			
BB 129	264.1063(g)		Samples used in determining the percent organic content shall be representative of the highest total organic content hazardous waste to be contained in or contact the equipment.	Section L.2			
BB 130	264.1063(h)		To determine if pumps or valves are in light liquid service, the vapor pressures of constituents may be ob- tained from standard reference texts or may be determined by ASTM D-2879-86 (incorporated by reference under 260.11).	Section L.2			
BB 131	264.1063(i)		Performance tests to determine if a control device achieves 95 weight percent organic emission reduction shall comply with 264.1034(c)(1) through (c)(4).	Section L.2			
RECORDKEEPING REQUIREMENTS - 264.1064							
BB 132	264.1064(a)(1)		A facility subject to the provisions of this subpart shall comply with the record keeping requirements of this section.	Section L.2			
BB 133	264.1064(a)(2)		The facility with more than one hazardous waste management unit may comply with the record keeping requirements in one record keeping system if the system identifies each record by each hazardous waste management unit.	N/A			
BB 134	264.1064(b)		The facility must record the following information in the operating record:	N/A			
BB 135	264.1064(b)(1)		For each piece of equipment to which subpart BB of 264 applies: (i) Equipment identification number and hazardous waste management unit identification. (ii) Approximate locations within the facility. (iii) Type of equipment. (iv) Percent-by-weight total organics in the hazardous waste stream at the equipment. (v) Hazardous waste state at the equipment (e.g., gas/vapor or liquid). (vi) Method of compliance with the standard (e.g., “monthly leak detection and repair” or “equipped with dual mechanical seals”).	N/A			
BB 136	264.1064(b)(2)		For facilities that comply with 264.1033(a)(2), an implementation schedule as in 264.1033(a)(2).	N/A			
BB 137	264.1064(b)(3)		Where the facility chooses to use test data to □ demonstrate the organic removal efficiency or □ total organic compound concentration achieved by the control device, a performance test plan as in 264.1035(b)(3).	N/A			
BB 138	264.1064(b)(4)		Documentation of compliance with 264.1060, including the detailed design documentation or performance test results in 264.1035(b)(4).	N/A			
BB 139	264.1064(c)		When each leak is detected as specified in 264.1052, 264.1053, 264.1057, and 264.1058, the following require- ments apply:	N/A			
BB 140	264.1064(c)(1)		A visible weatherproof identification attached to the leaking equipment, marked with □ equipment identification number, □ date evidence of leak was found in accordance with 264.1058(a), and □ date of leak was detected,	N/A			
BB 141	264.1064(c)(2)		The identification on equipment, except on a valve, may be removed after it has been repaired.	N/A			
BB 142	264.1064(c)(3)		The identification on a valve may be removed after it has been monitored for 2 successive months as in 264.1057(c) and no leak has been detected during those 2 months.	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 143	264.1064(d)		When each leak is detected as specified in 264.1052, 264.1053, 264.1057, and 264.1058, the following information shall be recorded in an inspection log and shall be kept in the operating record:	N/A			
BB 144	264.1064(d)(1)		The instrument and operator identification numbers and the equipment identification number.	N/A			
BB 145	264.1064(d)(2)		The date evidence of a potential leak was found in accordance with 264.1058(a).	N/A			
BB 146	264.1064(d)(3)		The date the leak was detected and the dates of each attempt to repair the leak.	N/A			
BB 147	264.1064(d)(4)		Repair methods applied in each attempt to repair the leak.	N/A			
BB 148	264.1064(d)(5)		"Above 10,000" if the maximum instrument reading measured by the methods in 264.1063(b) after each repair attempt is equal to or greater than 10,000 ppm.	N/A			
BB 149	264.1064(d)(6)		"Repair delayed" and the reason for the delay if a leak is not repaired within 15 days after discovery of the leak.	N/A			
BB 150	264.1064(d)(7)		Documentation supporting the delay of repair of a valve in compliance with 264.1059(c).	N/A			
BB 151	264.1064(d)(8)		The signature of the facility representative whose decision it was that repair could not be effected without a hazardous waste management unit shutdown.	N/A			
BB 152	264.1064(d)(9)		The expected date of successful repair if a leak is not repaired within 15 days.	N/A			
BB 153	264.1064(d)(10)		The date of successful repair of the leak.	N/A			
BB 154	264.1064(e)		□ Design documentation and monitoring, □ operating, and □ inspection information for each closed-vent system and control device required to comply with 264.1060 shall be □ recorded and □ kept up-to-date in the operating record as specified in 264.1035(c). Design documentation is specified in 264.1035(c)(1) and (c)(2) and monitoring, operating, and inspection information in 264.1035(c)(3)-(c)(8).	N/A			
BB 155	264.1064(f)		For a control device other than □ a thermal vapor incinerator, □ catalytic vapor incinerator, □ flare, □ boiler, □ process heater, □ condenser, or □ carbon adsorption system, the Agency will specify the appropriate record keeping requirements.	N/A			
BB 156	264.1064(g)		The following information on equipment subject to 264.1052 through 264.1060 shall be recorded in a log in the operating record:	N/A			
BB 157	264.1064(g)(1)		A list of identification numbers for equipment (except welded fittings) subject to this subpart.	N/A			
BB 158	264.1064(g)(2)		(i) A list of identification numbers for equipment that the facility designates for no detectable emissions (instrument reading of less than 500 ppm above background) under 264.1052(e), 264.1053(i), and 264.1057(f). (ii) The designation of this equipment as subject to 264.1052(e), 264.1053(i), or 264.1057(f) shall be signed by the facility.	N/A			
BB 159	264.1064(g)(3)		A list of equipment identification numbers for pressure relief devices required to comply with 264.1054(a).	N/A			
BB 160	264.1064(g)(4)		(i) The dates of each compliance test required in 264.1052(e), 264.1053(i), 264.1054, and 264.1057(f). (ii) The background level measured during each compliance test. (iii) The maximum instrument reading measured at the equipment during each compliance test.	N/A			
BB 161	264.1064(g)(5)		A list of identification numbers for equipment in vacuum service.	N/A			
BB 162	264.1064(h)		The following information on all valves subject to 264.1057(g) and (h) shall be recorded in a log in the operating record:	N/A			
BB 163	264.1064(h)(1)		For valves that are designated as unsafe to monitor: □ a list of identification numbers, □ an explanation for each valve stating why the valve is unsafe to monitor, and □ the plan for monitoring each valve.	N/A			
BB 164	264.1064(h)(2)		For valves that are designated as difficult to monitor: □ a list of identification numbers □ an explanation for each valve stating why the valve is difficult to monitor, and □ the schedule for monitoring each valve.	N/A			
BB 165	264.1064(i)		The following information shall be recorded in the operating record for valves complying with 264.1062:	N/A			
BB 166	264.1064(i)(1)		A schedule of monitoring.	N/A			
BB 167	264.1064(i)(2)		The percent of valves found leaking during each monitoring period.	N/A			
BB 168	264.1064(j)		The following information shall be recorded in a log in the operating record:	N/A			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
BB 169	264.1064(j)(1)		Criteria required in 264.1052(d)(5)(ii) and 264.1053(e)(2) and an explanation of the design criteria.	N/A			
BB 170	264.1064(j)(2)		Any changes to these criteria and the reasons for the changes.	N/A			
BB 171	264.1064(k)		The following information shall be recorded in a log in the operating record for use in determining exemptions:	N/A			
BB 172	264.1064(k)(1)		An analysis determining the design capacity of the hazardous waste management unit.	N/A			
BB 173	264.1064(k)(2)		A listing of the hazardous waste influent to and effluent from each hazardous waste management unit subject to 264.1052 through 264.1060 and an analysis determining whether these hazardous wastes are heavy liquids.	N/A			
BB 174	264.1064(k)(3)		An up-to-date analysis, information, and data to determine whether or not equipment is subject to 264.1052 through 264.1060. The record shall include documentation as required by 264.1063(d)(3) when application of the knowledge of the nature of the hazardous waste stream or the process by which it was produced is used. If the facility takes any action (e.g., changing process) that could result in an increase in the total organic content of the waste contained in or contacted by equipment determined not to be subject to the requirements in 264.1052 through 264.1060, then a new determination is required.	N/A			
BB 175	264.1064(l)		Records of □ the equipment leak information required by paragraph (d) of this section and □ the operating information required by paragraph (e) of this section need be kept only 3 years.	N/A			
BB 176	264.1064(m)		The facility subject to □ this subpart and □ 40 CFR part 60, subpart VV, or □ 40 CFR part 61, subpart V, may elect to determine compliance with this subpart by documentation either pursuant to □ 264.1064, or □ 40 CFR part 60 or 61, to the extent that the documentation under the regulation at 40 CFR part 60 or Part 61 duplicates the documentation required under this subpart. The documentation under 40 CFR part 60 or part 61 shall be with the operating record.	Section L.2			
REPORTING REQUIREMENTS - 264.1065							
BB 177	264.1065(a)		The facility shall submit a semiannual report subject to the requirements of this subpart by dates specified by the Agency. The report shall include the following information:	Section L.2			
BB 178	264.1065(a)(1)		The EPA identification number, name, and address of the facility.	Section L.2			
BB 179	264.1065(a)(2)		For each month during the semiannual reporting period: (i) The equipment identification number of each valve for which a leak was not repaired as required in 264.1057(d). (ii) The equipment identification number of each pump for which a leak was not repaired as required in 264.1052(c) and (d)(6). (iii) The equipment identification number of each compressor for which a leak was not repaired as required in 264.1053(g).	Section L.2			
BB 180	264.1065(a)(3)		Dates of hazardous waste management unit shutdowns that occurred within the semiannual reporting period.	Section L.2			
BB 181	264.1065(a)(4)		For each month during the semiannual reporting period, dates when □ the control device as required by 264.1052, 264.1053, 264.1054, or 264.1055 exceeded or operated outside of the design specifications as defined in 264.1064(e) and as indicated by the control device monitoring required by 264.1060 and was not corrected within 24 hours, □ the duration and cause of each exceedance, and □ any corrective measures taken.	Section L.2			
BB 182	264.1065(b)		If, during the semiannual reporting period, □ leaks are repaired for (required by): valves (264.1057(d)), pumps (264.1052(c) and (d)(6)), and compressors (264.1053(g)), □ and the control device does not exceed or operate outside of the design specifications as defined in 264.1064(e) for more than 24 hours, a report to the Agency is not required.	Section L.2			
SWMU Checklist	**APPLICABILITY - 264.90**						
SWMU 1	264.90(a)(1)		Applicable to facilities that treat, store, or dispose of hazardous waste, except as provided in paragraph (b) of this section. The facility must satisfy paragraph (a)(2) of this section for all wastes placed in solid waste management units (SWMUs).	Section M			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 2	264.90(a)(2)		All SWMUs must comply with 264.101. A surface impoundment, waste pile, and land treatment unit or landfill that receives wastes after 7/26/82 (hereinafter referred to as a "regulated unit") must comply with 264.91 through 264.100 in lieu of 264.101 for detecting, characterizing and responding to releases to the uppermost aquifer. The financial responsibility of 264.101 applies to regulated units.	NA			
SWMU 3	264.90(b)		A regulated unit is not subject to regulation for releases into the uppermost aquifer if:	NA			
SWMU 4	264.90(b)(1)		The facility is exempted under 264.1; or	NA			
SWMU 5	264.90(b)(2)		The facility operates a unit which the Agency finds: (i) Is an engineered structure, (ii) Does not receive or contain liquid waste or waste containing free liquids, (iii) Is designed and operated to exclude liquid, precipitation, run-on and run-off, (iv) Has both inner and outer layers of containment enclosing the waste, (v) Has a leak detection system built into each containment layer, (vi) The facility will continue to operate and maintain these leak detection systems during the active life, and closure and post-closure care periods, and (vii) To a reasonable degree of certainty, will not allow hazardous constituents to migrate out of the outer containment layer prior to the end of the post-closure care period; or	NA			
SWMU 6	264.90(b)(3)		The Agency finds, pursuant to 264.280(d), that the treatment zone of a land treatment unit (regulated unit) does not contain hazardous constituents above background (statistically significant), and if an unsaturated zone monitoring program meeting 264.278 has not shown a statistically significant increase in hazardous constituents below the treatment zone during the operating life. An exemption under this paragraph only applies for the post-closure care period; or	NA			
SWMU 7	264.90(b)(4)		The Agency finds no potential migration of liquid from a regulated unit to the uppermost aquifer. This demonstration must be certified by a qualified geologist or geotechnical engineer. Prediction must be based on the maximum rate of liquid migration; or	NA			
SWMU 8	264.90(b)(5)		The facility designs and operates a pile in compliance with 264.250(c)	NA			
SWMU 9	264.90(c)		The regulations under this subpart apply during the active life and closure periods. After closure, the regulations in this subpart:	NA			
SWMU 10	264.90(c)(1)		Do not apply if the unit is clean closed, or closed to an acceptable health risk level;	NA			
SWMU 11	264.90(c)(2)		Apply during the post-closure care period under 264.117 if the facility conducts a detection monitoring program under 264.98; or	NA			
SWMU 12	264.90(c)(3)		Apply during the compliance period under 264.96 if the facility conducts a corrective action program under 264.99 or corrective action program under 264.100.	NA			
SWMU 13	264.90(d)		Apply to miscellaneous units to comply with 264.601 through 264.603	NA			
REQUIRED PROGRAMS - 264.91							
SWMU 14	264.91(a)		The facility must conduct a monitoring and response program as follows:	NA			
SWMU 15	264.91(a)(1)		When hazardous constituents (264.93) are detected at a compliance point (264.95), the facility must institute a compliance monitoring program under 264.99. Detected is defined as statistically significant as described in 264.98(f);	NA			
SWMU 16	264.91(a)(2)		When the groundwater protection standard (264.92) is exceeded, the facility must institute a corrective action program under 264.100. Exceeded is defined as statistically significant as described in 264.99(d);	NA			
SWMU 17	264.91(a)(3)		When hazardous constituents (264.93) exceed concentration limits (264.94) in groundwater between the compliance point (264.95) and the downgradient facility boundary, the facility must institute a corrective action program under 264.100; or	NA			
SWMU 18	264.91(a)(4)		In all other cases, the facility must institute a detection monitoring program under 264.98.	NA			
SWMU 19	264.91(b)		The Agency will specify in the permit, specific elements of the monitoring and response program. The Agency may include one or more of the programs in paragraph (a) of this section in the permit.	NA			
GROUNDWATER PROTECTION STANDARD - 264.92 Hazardous constituents (264.93) detected in the groundwater from a regulated unit can not exceed the concentration limits (264.94) in the uppermost aquifer beyond the point of compliance (264.95) during the compliance period (264.96)							
NA							
SWMU 20	264.93(a)		The Agency will specify in the permit the hazardous constituents (appendix VIII of part 261) to which the groundwater protection standard applies.	NA			
SWMU 21	264.93(b)		The Agency will exclude an appendix VIII constituent if that constituent does not pose hazard to human health of the environment. To grant an exemption, the Agency will consider the following:	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 22	264.93(b)(1)		Potential adverse effects on groundwater quality, considering: (i) The physical and chemical characteristics of the waste, including its potential for migration; (ii) The hydrogeological characteristics; (iii) The quantity of groundwater and the flow direction; (iv) The proximity and withdrawal rates of groundwater users; (v) The current and future uses of groundwater; (vi) The existing quality of groundwater, including sources of contamination and cumulative impact on groundwater; (vii) The potential human exposure health risks; (viii)The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; (ix) The persistence and permanence of the potential adverse effects; and	NA			
SWMU 23	264.93(b)(2)		Potential adverse effects on hydraulically-connected surface water quality, considering: (i) The volume, physical and chemical characteristics of the waste; (ii) The hydrogeological characteristics; (iii) The quantity and quality of groundwater and the flow direction; (iv) The pattern of rainfall; (v) The proximity of the regulated unit to surface waters; (vi) The current and future uses of surface waters and any established quality standards; (vii) The existing quality of surface water, including sources of contamination and cumulative impact on surface water; (viii)The potential human exposure health risks; (ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; (x) The persistence and permanence of the potential adverse effects.	NA			
SWMU 24	264.93(c)		In making any determination under paragraph (b) of this section, the Agency will consider any identification of underground sources of drinking water and exempted aquifers under 40 CFR 144.8.	NA			
CONCENTRATION LIMITS - 264.94							
SWMU 25	264.94(a)		The Agency will specify in the permit concentration limits for hazardous constituents (264.93) in the groundwater. The concentration of a hazardous constituent:	NA			
SWMU 26	264.94(a)(1)		Must not exceed the background level at time of permit; or	NA			
SWMU 27	264.94(a)(2)		Must not exceed levels in Table 1 (see at the end of the checklist) when background levels are under those in Table 1; or	NA			
SWMU 28	264.94(a)(3)		Must not exceed an alternate limit set by the Agency under paragraph (b) of this section.	NA			
SWMU 29	264.94(b)		The Agency may establish an alternate concentration limit and considering the following factors:	NA			
SWMU 30	264.94(b)(1)		Potential adverse effects on groundwater quality, considering: (i) The physical and chemical characteristics of the waste, including its potential for migration; (ii) The hydrogeological characteristics; (iii) The quantity of groundwater and the flow direction; (iv) The proximity and withdrawal rates of groundwater users; (v) The current and future uses of groundwater; (vi) The existing quality of groundwater, including sources of contamination and cumulative impact on groundwater; (vii) The potential human exposure health risks; (viii)The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; (ix) The persistence and permanence of the potential adverse effects; and	NA			
SWMU 31	264.94(b)(2)		Potential adverse effects on hydraulically-connected surface water quality, considering: (i) The volume, physical and chemical characteristics of the waste; (ii) The hydrogeological characteristics; (iii) The quantity and quality of groundwater and the flow direction; (iv) The pattern of rainfall; (v) The proximity of the regulated unit to surface waters; (vi) The current and future uses of surface waters and any established quality standards; (vii) The existing quality of surface water, including sources of contamination and cumulative impact on surface water; (viii)The potential human exposure health risks; (ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; (x) The persistence and permanence of the potential adverse effects.	NA			
SWMU 32	264.94(c)		To make determination under paragraph (b) of this section about the use of groundwater, the Agency will consider any identification of underground sources of drinking water and exempted aquifers (144.8)	NA			
POINT OF COMPLIANCE - 264.95							

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 33	264.95(a)		The Agency will determine in the permit the point of compliance at which the groundwater protection standard (264.92) applies and monitoring must be conducted. The point of compliance is a vertical surface located at the hydraulically downgradient limit of the waste management area that extends down into the uppermost aquifer underlying the regulated unit.	NA			
SWMU 34	264.95(b)		The waste management area is the limit projected in the horizontal plane of the area on which waste will be placed during the active life of a regulated unit.	NA			
SWMU 35	264.95(b)(1)		The waste management area includes liner, dike, or other barrier to contain waste in a regulated unit.	NA			
SWMU 36	264.95(b)(2)		For more than one regulated unit, the waste management area is an imaginary line circumscribing the several regulated units.	NA			
COMPLIANCE PERIOD - 264.96							
SWMU 37	264.96(a)		The Agency will specify in the permit the compliance period during which the groundwater protection standard (264.92) applies. The compliance period includes the active and closure periods.	NA			
SWMU 38	264.96(b)		The compliance period begins when the facility initiates the compliance monitoring programs (264.99).	NA			
SWMU 39	264.96(c)		If the facility is engaged in a corrective action program at the end of the compliance period in paragraph (a) of this section, the compliance period is extended until the groundwater protection standard (264.92) has not been exceeded for three consecutive years.	NA			
GENERAL GROUNDWATER MONITORING REQUIREMENTS - 264.97 The facility must comply with the following requirements for any groundwater monitoring program to satisfy Detection Monitoring Program (264.98), Compliance Monitoring Program (264.99), or Corrective Action Program (264.100).							
SWMU 40	264.97(a)		The groundwater monitoring system must consist of sufficient wells at appropriate locations and depths to yields samples from the uppermost aquifer that:	NA			
SWMU 41	264.97(a)(1)		Represent the quality of unaffected background water; (i) A determination of background quality may include wells that are not upgradient where: (A) Hydrogeologic conditions do not allow the facility to determine what wells are upgradient; and (B) Sampling at other wells will provide background quality that is representative or more representative than that of the upgradient wells; and	NA			
SWMU 42	264.97(a)(2)		Represent the quality of groundwater passing the point of compliance.	NA			
SWMU 43	264.97(a)(3)		Allow for the detection of contamination from the waste management area to the uppermost aquifer.	NA			
SWMU 44	264.97(b)		If a facility contains more than one regulated unit, separate groundwater monitoring systems are not required for each regulated unit, provided that provisions for sampling the groundwater in the uppermost aquifer will enable detection and measurement at the compliance point.	NA			
SWMU 45	264.97(c)		All monitoring wells must be cased. This casing must be screened or perforated and packed. The annular space above the sampling depth must be sealed to prevent contamination.	NA			
SWMU 46	264.97(d)		The groundwater monitoring program must include consistent sampling and analysis procedures. At a minimum the program must include procedures and techniques for:	NA			
SWMU 47	264.97(d)(1)		Sample collection;	NA			
SWMU 48	264.97(d)(2)		Sample preservation and shipment;	NA			
SWMU 49	264.97(d)(3)		Analytical procedures; and	NA			
SWMU 50	264.97(d)(4)		Chain of custody control.	NA			
SWMU 51	264.97(e)		The groundwater monitoring program must include appropriate sampling and analytical methods.	NA			
SWMU 52	264.97(f)		The ground-water monitoring program must include a determination of groundwater elevation each time groundwater is sampled.	NA			
SWMU 53	264.97(g)		In detection or compliance monitoring, data will be collected from background wells and wells at compliance points. The number and kinds of samples must be adequate to establish appropriate statistical background. Sample size shall be large enough to ensure reasonable confidence. The facility will determine the sampling procedure and interval subject to approval by the Agency. The sampling procedure shall be:	NA			
SWMU 54	264.97(g)(1)		A sequence of at least four samples to assure that an independent sample is obtained referencing the uppermost aquifer's effective porosity, hydraulic conductivity, and hydraulic gradient, and the fate and transport of contaminants, or	NA			
SWMU 55	264.97(g)(2)		An alternate sampling procedure proposed by the facility and approved by the Agency.	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 56	264.97(h)		The facility will specify one of the following statistical methods which, upon approval by the Agency, will be specified in the permit. The statistical test chosen shall be conducted separately for each hazardous constituent in each well. Where practical quantification limits (pqls) are used in any statistical procedures [(264.97(i)(5)], the pql must be proposed by the facility and approved by the Agency. Use of any of the following statistical methods must be protective of human health and the environment and must comply with performance standards outlined in paragraph (i) of this section.	NA			
SWMU 57	264.97(h)(1)		A parametric analysis of variance (ANOVA) followed by multiple comparisons procedures to identify evidence of contamination. The method must include estimation and testing of the contrasts between each compliance well's mean and the background mean for each constituent.	NA			
SWMU 58	264.97(h)(2)		An analysis of variance (ANOVA) based on ranks followed by multiple comparisons procedures to identify evidence of contamination. The method must include estimation and testing of the contrasts between each compliance well's median and the background median for each constituent.	NA			
SWMU 59	264.97(h)(3)		A tolerance or prediction interval procedure in which an interval for each constituent is established from the distribution of background data, and the level of each constituent in each compliance well is compared to the upper tolerance or prediction limit.	NA			
SWMU 60	264.97(h)(4)		A control chart approach that gives control limits for each constituent.	NA			
SWMU 61	264.97(h)(5)		Another statistical test method submitted by the facility and approved by the Agency.	NA			
SWMU 62	264.97(i)		Any statistical method under 264.97(h) shall comply with the following performance standards:	NA			
SWMU 63	264.97(i)(1)		The statistical method used to evaluate groundwater monitoring data shall be appropriate for the distribution of hazardous constituents. If the distribution of hazardous constituents is shown to be inappropriate for a normal theory test, then the data should be transformed or a distribution-free theory test should be used. If the distributions for the constituents differ, more than one statistical method may be needed.	NA			
SWMU 64	264.97(i)(2)		If an individual well comparison procedure is used to compare a constituent concentration with background or a groundwater protection standard, the test shall be done at Type I error level no less than 0.01 for each testing period. If a multiple comparisons procedure is used, the Type I error rate for each testing period shall be no less than 0.05; however, the Type I error of no less than 0.01 for individual well comparisons must be maintained. This performance standard does not apply to tolerance intervals, prediction intervals, or control charts.	NA			
SWMU 65	264.97(i)(3)		If a control chart approach is used to evaluate groundwater monitoring data, the specific type of control chart and its parameter values shall be proposed by the facility and for approval by the Agency.	NA			
SWMU 66	264.97(i)(4)		If a tolerance interval or a prediction interval is used to evaluate groundwater monitoring data, the levels of confidence and, for tolerance intervals, the percentage of the population, shall be proposed by the facility and for approval by the Agency. These parameters will be determined after considering the number of samples in the background data base, the data distribution, and the range of the concentration values for each constituent.	NA			
SWMU 67	264.97(i)(5)		The statistical method shall account for data below the limit of detection with one or more statistical procedures. Any practical quantification limit (pql) approved by the Agency under 264.97(h) that is used in the statistical method shall be the lowest concentration level that can be reliably achieved.	NA			
SWMU 68	264.97(i)(6)		If necessary, the statistical method shall include procedures to control or correct for seasonal and spatial variability as well as temporal correlation in the data.	NA			
SWMU 69	264.97(j)		Groundwater monitoring data collected as under paragraph (g) of this section including actual levels of constituents must be maintained in the operating record. The Agency will specify in the permit when the data must be submitted for review.	NA			
DETECTION MONITORING PROGRAM - 264.98							
SWMU 70	264.98(a)		The facility must monitor for indicator parameters, waste constituents, or reaction products in groundwater. The Agency will specify the parameters or constituents in the permit after considering:	NA			
SWMU 71	264.98(a)(1)		The types, quantities, and concentrations of constituents in wastes;	NA			
SWMU 72	264.98(a)(2)		The mobility, stability, and persistence of waste constituents or their reaction products in the unsaturated zone;	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 73	264.98(a)(3)		The detectability of indicator parameters, waste constituents, and reaction products in groundwater; and	NA			
SWMU 74	264.98(a)(4)		The concentration and coefficients of variation of monitoring parameters in the groundwater background.	NA			
SWMU 75	264.98(b)		The facility must install a groundwater monitoring system at the compliance point (264.95). The groundwater monitoring system must comply with 264.97(a)(2), (b), and (c).	NA			
SWMU 76	264.98(c)		The facility must conduct a groundwater monitoring program for each chemical parameter and hazardous constituent pursuant to paragraph (a) of this section in acc. with 264.97(g). The facility must maintain groundwater data as measured and in form for determination of statistical significance under 264.97(h).	NA			
SWMU 77	264.98(d)		The Agency will specify the frequencies for sampling and statistical testing to determine evidence of contamination for any parameter under paragraph (a) of this section in acc with 264.97(g). A sequence of at least 4 samples from each well (background and compliance) must be collected at least semi-annually.	NA			
SWMU 78	264.98(e)		The facility must determine the groundwater flow rate and direction in the uppermost aquifer annually.	NA			
SWMU 79	264.98(f)		The facility must determine statistically whether there is evidence of contamination for any chemical parameter in the permit pursuant to paragraph (a) of this section at a frequency under paragraph (d) of this section.	NA			
SWMU 80	264.98(f)(1)		In determining evidence of contamination, the facility must use methods in the permit under 264.97(h). These methods must compare compliance point data and background data.	NA			
SWMU 81	264.98(f)(2)		The facility must determine statistically whether there is evidence of contamination at each monitoring well at the compliance point within a reasonable period after sampling. The Agency will specify in the permit the reasonable period, after considering the statistical test and lab testing.	NA			
SWMU 82	264.98(g)		If the facility determines pursuant to paragraph (f) of this section that there is evidence of contamination pursuant to paragraph (a) of this section at the compliance point, the facility must:	NA			
SWMU 83	264.98(g)(1)		Notify the Agency in writing within 7 days which includes what chemical parameters;	NA			
SWMU 84	264.98(g)(2)		Immediately sample all monitoring wells and determine whether constituents in appendix IX of 264 are present and the concentrations.	NA			
SWMU 85	264.98(g)(3)		For any appendix IX compounds found, the facility may resample and reanalyze within one month. If the second analyses confirm the initial results, then the constituents will form the basis for compliance monitoring If the facility does not resample, the initial findings will form the basis for compliance monitoring.	NA			
SWMU 86	264.98(g)(4)		Within 90 days, the facility must submit a permit modification to establish a compliance monitoring program (264.99). The application must include: (i) Concentration of any appendix IX constituent detected at each monitoring well at the compliance point; (ii) Any proposed changes to the groundwater monitoring system to meet 264.99; (iii) Any proposed changes to the monitoring frequency, sampling and analysis procedures, or statistical methods to meet 264.99 (iv) For each constituent detected at the compliance point, a proposed concentration limit under 264.94(a)(1) or (2), or alternate concentration limit under 264.94(b); and	NA			
SWMU 87	264.98(g)(5)		Within 180 days, the facility must submit: (i) All data to justify an alternate concentration limit under 264.94(b); and (ii) An engineering feasibility plan for a corrective action plan to meet 264.100, unless: (A) All hazardous constituents identified under paragraph (g)(2) of this section are listed in Table 1 of 264.94 and their concentrations are below those in Table 1; or (B) The facility has sought an alternate concentration limit under 264.94(b).	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 88	264.98(g)(6)		If the facility so determines, pursuant to paragraph (f) of this section, it may demonstrate that the statistically significant difference of hazardous constituents is from a source other than a regulated unit or is from an error in sampling, analysis, or statistical evaluation, or natural variation in groundwater. The facility may make a demonstration in addition or in lieu of a permit modification under paragraph (g)(4) of this section. However, the facility is not relieved of the requirement to submit a permit modification unless the demonstration is approved. In making a demonstration, the facility must: (i) Within 7 days of the finding of contamination, notify the Agency that the facility intends to make a demonstration; (ii) Within 90 days, submit a report to demonstrate the source of contamination is other than a regulated unit, or resulted from an error; (iii) Within 90 days, submit an application for a permit modification to make any appropriate changes to detection monitoring program; and (iv) Continue to monitor.	NA			
SWMU 89	264.98(h)		If the facility determines that the detection monitoring program no longer satisfies the requirements of this section, the facility must submit, within 90 days, a permit modification.	NA			
COMPLIANCE MONITORING PROGRAM - 264.99							
SWMU 90	264.99(a)		The facility must monitor groundwater to determine whether regulated units comply with groundwater protection standard (264.92). The groundwater protection standard includes:	NA			
SWMU 91	264.99(a)(1)		A list of hazardous constituents (264.93);	NA			
SWMU 92	264.99(a)(2)		Concentration limits (264.94) for each of the hazardous constituents.	NA			
SWMU 93	264.99(a)(3)		The compliance point (264.95); and	NA			
SWMU 94	264.99(a)(4)		The compliance period (264.96).	NA			
SWMU 95	264.99(b)		The facility must install a groundwater monitoring system at the compliance point (264.95). The system must comply with 264.97(a)(2), (b), and (c).	NA			
SWMU 96	264.99(c)		The Agency will specify the sampling procedures and statistical methods consistent with 264.97(g) and (h).	NA			
SWMU 97	264.99(c)(1)		The facility must conduct a sampling program for each hazardous constituent (264.97(g)).	NA			
SWMU 98	264.99(c)(2)		The facility must record groundwater data as measured in form to determine statistical significance (264.97(h)) for the compliance period.	NA			
SWMU 99	264.99(d)		The facility must determine whether there is statistically significant evidence of increased contamination for any hazardous constituent in the permit, pursuant to paragraph (a) of this section, at a frequency under paragraph (f) under this section.	NA			
SWMU 100	264.99(d)(1)		In determining an increase in contamination, the facility must use the methods in the permit under 264.97(h). The methods must compare data collected at the compliance point to a concentration limit (264.94).	NA			
SWMU 101	264.99(d)(2)		The facility must determine whether there is an increase in contamination at the compliance point within a reasonable time after completion of sampling. The Agency will specify that time period in the permit after considering the statistical and sampling tests.	NA			
SWMU 102	264.99(e)		The facility must determine the groundwater flow rate and direction in the uppermost aquifer annually.	NA			
SWMU 103	264.99(f)		The Agency will specify the frequencies for sampling and statistical testing to determine evidence of contamination in acc with 264.97(g). A sequence of at least 4 samples from each well (background and compliance) must be collected at least semi-annually.	NA			
SWMU 104	264.99(g)		The facility must analyze samples from the compliance point for all constituents in appendix IX of 264 annually to determine whether additional hazardous constituents are present in the uppermost aquifer and, if so, at what concentration, pursuant to 264.98(f). If additional appendix IX constituents are present, the facility may resample within 1 month and repeat the appendix IX analysis. If the second analysis confirms new constituents, the facility must report to the Agency within 7 days and add them to the monitoring list. If the facility chooses not to resample, the facility must report to the Agency initial analysis of constituents within 7 days and add them to the monitoring list.	NA			
SWMU 105	264.99(h)		If the facility determines, pursuant to paragraph (d) of this section, that any concentration limits (264.94) are being exceeded at the compliance point, the facility must:	NA			
SWMU 106	264.99(h)(1)		Notify the Agency in writing within 7 days indicating what concentration limits have been exceeded.	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
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SWMU 107	264.99(h)(2)		Submit a permit modification application to establish a corrective action program (264.100) within 180 days, or within 90 days if an engineering study has been submitted under 264.98(h)(5). The application must include: (i) A detailed description of corrective actions that will achieve compliance with the groundwater protection standard under paragraph (a) of this section; and (ii) A groundwater monitoring program that will demonstrate the effectiveness of the corrective action. Such a groundwater monitoring program may be based on a compliance monitoring program developed to meet the requirements of this section.	NA			
SWMU 108	264.99(i)		If the facility determines, pursuant to paragraph (d) of this section, that the concentration limits are being exceeded at the compliance point, the facility may demonstrate that a source other than a regulated unit, or an error in sampling, analysis, or statistical evaluation, or natural variation in groundwater caused the concentration limits to be exceeded. In making a demonstration, the facility must:	NA			
SWMU 109	264.99(i)(1)		Within 7 days, notify the Agency that the facility intends to make a demonstration;	NA			
SWMU 110	264.99(i)(2)		Within 90 days, submit a report to demonstrate a source other than the regulated unit caused the standard to be exceeded, or that the apparent noncompliance is due to error;	NA			
SWMU 111	264.99(i)(3)		Within 90 days, submit an application for a permit modification to make any appropriate changes to the compliance monitoring program; and	NA			
SWMU 112	264.99(i)(4)		Continue to monitor.	NA			
SWMU 113	264.99(j)		If the facility determines that the compliance monitoring program no longer satisfies the requirements of this section, the facility must submit, within 90 days, a permit modification.	NA			
CORRECTIVE ACTION PROGRAM - 264.100							
SWMU 114	264.100(a)		The facility must take corrective action to ensure that regulated units comply with groundwater protection standard (264.92). The groundwater protection standard includes:	NA			
SWMU 115	264.100(a)(1)		A list of hazardous constituents (264.93);	NA			
SWMU 116	264.100(a)(2)		Concentration limits (264.94) for each of the hazardous constituents.	NA			
SWMU 117	264.100(a)(3)		The compliance point (264.95); and	NA			
SWMU 118	264.100(a)(4)		The compliance period (264.96).	NA			
SWMU 119	264.100(b)		The facility must implement a corrective action plan that prevents hazardous constituents from exceeding the concentration limits at the compliance point by removing the hazardous constituents or treating them in place. The permit will specify measures to be taken.	NA			
SWMU 120	264.100(c)		The facility must begin corrective action within a reasonable time after the groundwater protection standard is exceeded. The Agency will specify that time period in the permit. If the permit includes a corrective action program in addition to a compliance monitoring program, the permit will specify the commencement of the corrective action program and will operate in lieu of 264.99(i)(2).	NA			
SWMU 121	264.100(d)		In conjunction with a corrective action program, the facility must establish and implement a groundwater monitoring program to demonstrate the effectiveness of the corrective action program. Such a monitoring program may be based on the requirements of a compliance monitoring program (264.99) and must be as effective as that program in determining compliance with the groundwater protection standard (264.92) and in determining the success of a corrective action program under paragraph (e) of this section.	NA			
SWMU 122	264.100(e)		In addition, the facility must conduct a corrective action program to remove or treat in place any hazardous constituents (264.93) that exceed concentration limits in groundwater (264.94):	NA			
SWMU 123	264.100(e)(1)		Between the compliance point (264.95) and the downgradient boundary; and	NA			
SWMU 124	264.100(e)(2)		Beyond the facility boundary, unless the facility demonstrates of inability to obtain permission to undertake such action. The facility is not relieved of all responsibility to clean up an offsite migration where off-site access is denied.	NA			
SWMU 125	264.100(e)(3)		Corrective action measures must be initiated and completed within a reasonable time.	NA			
SWMU 126	264.100(e)(4)		Corrective action measures may be terminated once the concentration of hazardous constituents (264.93) is reduced to levels below the concentration limits (264.94)	NA			

ITEM #	FEDERAL REGULATIONS 40 CFR	STATE REGULATIONS OAC 252:205	GENERAL DESCRIPTION	INFO LOCATION	ADMIN. COMPLETE	TECHNICALLY COMPLETE	REMARKS
					YES / NO /NA	YES / NO /NA	
SWMU 127	264.100(f)		The facility must continue corrective action measures during the compliance period to extent necessary to ensure that the groundwater protection standard is not exceeded. If the facility is conducting corrective action at the end of the compliance period, the facility must continue that corrective action for as long as necessary to achieve compliance with the groundwater protection standard. The facility may terminate corrective action measures beyond the active life (inc. Closure) if the facility can demonstrate, based on groundwater monitoring program under paragraph (d) of this section, that the groundwater protection standard (264.92) has not been exceeded for a period of 3 consecutive years.	NA			
SWMU 128	264.100(g)		The facility must report semi-annually the effectiveness of the corrective action plan.	NA			
SWMU 129	264.100(h)		If the facility determines that the corrective action plan no longer satisfies the reqs of this section, the facility must, within 90 days, submit a permit modification.	NA			
CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS (SWMUS) - 264.101							
SWMU 130	264.101(a)		A facility seeking a permit for TSD must institute corrective action for all releases of hazardous waste or HW constituents from any SWMU, regardless of time at which waste was placed in the unit.	NA			
SWMU 131	264.101(b)		Corrective action will be in the permit in accordance with this section and subpart of this part. The permit will contain the compliance schedules for such corrective action and financial assurances.	NA			
SWMU 132	164.101(c)		The facility must implement corrective actions beyond the facility boundary as necessary, unless the facility demonstrates inability to obtain permission to undertake such action. The facility is not relieved of all responsibility to clean up an offsite migration where off-site access is denied. On-site measures to address such releases will be determined on a case-by-case basis. Assurances of financial responsibility for such corrective action must be provided.	NA			

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DEFINITIONS

Air stripping operation	A desorption operation employed to transfer one or more volatile components from a liquid mixture into a gas (air) either with or without the application of heat to the liquid. Packed towers, spray towers, and bubble-cap, sieve, or valve-type plate towers are among the process configurations used for contacting the air and a liquid.
Bottoms receiver	A container or tank used to receive and collect the heavier bottoms fractions of the distillation feed stream that remain in the liquid phase.
Closed-vent system	A system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow-inducing devices that transport gas or vapor from a piece or pieces of equipment to a control
Condenser	A heat-transfer device that reduces a thermodynamic fluid from its vapor phase to its liquid phase.
Connector	Flanged, screwed, welded, or other joined fittings used to connect two pipelines or a pipeline and a piece of equipment. For the purposes of reporting and record keeping, connector means flanged fittings that are not covered by insulation or other materials that prevent location of the fittings.
Continuous recorder	A data-recording device recording an instantaneous data value at least once every 15 minutes.
Control device	An enclosed combustion device, vapor recovery system, or flare. Any device the primary function of which is the recovery or capture of solvents or other organics for use, reuse, or resale (e.g., a primary
Control device shutdown	The cessation of operation of a control device for any purpose.
Distillate receiver	A container or tank used to receive and collect liquid material (condensed) from the overhead condenser of a distillation unit and from which the condensed liquid is pumped to larger storage tanks or other
Distillation operation	Operation, either batch or continuous, separating one or more feed stream(s) into two or more exit streams, each exit stream having component concentrations different from those in the feed stream(s). The
Double block & bleed system	Two block valves connected in series with a bleed valve or line that can vent the line between the two block valves.
Equipment	Each valve, pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, or flange, and any control devices or systems required by this subpart.
Flame zone	The portion of the combustion chamber in a boiler occupied by the flame envelope.
Flow indicator	A device that indicates whether gas flow is present in a vent stream.
First attempt at repair	To take rapid action for the purpose of stopping or reducing leakage of organic material to the atmosphere using best practices.
Fractionation operation	A distillation operation or method used to separate a mixture of several volatile components of different boiling points in successive stages, each stage removing from the mixture some proportion of one of the
Hazardous waste management unit shutdown management	A work practice or operational procedure that stops operation of a hazardous waste management unit or part of a hazardous waste management unit. An unscheduled work practice or operational procedure that
Hot well	A container for collecting condensate as in a steam condenser serving a vacuum-jet or steam-jet ejector.
In gas/vapor service	The piece of equipment contains or contacts a hazardous waste stream that is in the gaseous state at operating conditions.
In heavy liquid service	The piece of equipment is not in gas/vapor service or in light liquid service.
In light liquid service	The piece of equipment contains or contacts a waste stream where the vapor pressure of one or more of the components in the stream is greater than 0.3 kilopascals (kPa) at 20°C, the total concentration of the
In situ sampling systems	Non-extractive samplers or in-line samplers.
In vacuum service	Equipment is operating at an internal pressure that is at least 5 kPa below ambient pressure.
Malfunction	Any sudden failure of a control device or a hazardous waste management unit or failure of a hazardous waste management unit to operate in a normal or usual manner, so that organic emissions are increased.
Open-ended valve or line	Any valve, except pressure relief valves, having one side of the valve seat in contact with process fluid and one side open to the atmosphere, either directly or through open piping.
Pressure release	The emission of materials resulting from the system pressure being greater than the set pressure of the pressure relief device.
Process heater	A device that transfers heat liberated by burning fuel to fluids contained in tubes, including all fluids except water that are heated to produce steam.
Process vent	Any open-ended pipe or stack that is vented to the atmosphere either directly, through a vacuum-producing system, or through a tank (e.g., distillate receiver, condenser, bottoms receiver, surge control tank,
Repaired	Equipment is adjusted, or otherwise altered, to eliminate a leak.
Sensor	A device that measures a physical quantity or the change in a physical quantity, such as temperature, pressure, flow rate, pH, or liquid level.
Separator tank	A device used for separation of two immiscible liquids.
Solvent extraction operation	An operation or method of separation in which a solid or solution is contacted with a liquid solvent (the two being mutually insoluble) to preferentially dissolve and transfer one or more components into the
Startup	The setting in operation of a hazardous waste management unit or control device for any purpose.
Steam stripping operation	A distillation operation in which vaporization of the volatile constituents of a liquid mixture takes place by the introduction of steam directly into the charge.
Surge control tank	A large-sized pipe or storage reservoir sufficient to contain the surging liquid discharge of the process tank to which it is connected.
Thin-film evaporation operation	A distillation operation that employs a heating surface consisting of a large diameter tube that may be either straight or tapered, horizontal or vertical. Liquid is spread on the tube wall by a rotating assembly of
Vapor incinerator	Any enclosed combustion device that is used for destroying organic compounds and does not extract energy in the form of steam or process heat.
Vented	Discharged through an opening, typically an open-ended pipe or stack, allowing the passage of a stream of liquids, gases, or fumes into the atmosphere. The passage of liquids, gases, or fumes is caused by mechanical means such as compressors or vacuum-producing systems or by process-related means such as evaporation produced by heating and not caused by tank loading and unloading (working losses) or by natural means such as diurnal temperature changes.

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					YES / NO /NA	YES / NO /NA	

Table 1
MAXIMUM CONCENTRATION OF CONSTITUENTS FOR GROUNDWATER PROTECTION

Constituents	Max. Conc. (mg/L)
Arsenic	0.05
Barium	1
Cadmium	0.01
Chromium	0.05
Lead	0.05
Mercury	0.002
Selenium	0.01
Silver	0.05
Endrin *	0.0002
Lindane *	0.004
Methoxychlor	0.1
Toxaphene	0.005
2,4-D *	0.1
2,4,5-TP Silvex *	0.01

*See Chemical Names in CFR