

PART II GENERAL PERMIT APPLICATION REVIEW CHECKLIST

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SUBMITTAL DATE _____ **REVIEWER** _____
 1. _____
 2. _____
 3. _____

PAGE/ P'GRAPH	REVIEW ITEM	REFERENCE	COMPLETE? Y/N OR N/A	COMMENTS
	Part II-A. General 62-730			
	A-1. TOPOGRAPHIC MAP. A topographic map showing the facility and a distance of 1000 feet around it. The following information is required:	270.14(b)(19)		
	<ul style="list-style-type: none"> • Scale 1 in. - 200 ft. • Contours sufficient to show surface water flow • Extend 1000 ft. beyond property • Map scale • Map date • 100 Yr. floodplain • Surface waters • Surrounding land use • Map orientation • Legal boundaries • Location of access control • Injection and withdrawal wells <ul style="list-style-type: none"> - on-site - off-site • Building • Structures • Sewers • Loading and unloading areas • Fire control facilities • Flood control or drainage barriers • Run-off control systems • Location of hazardous waste units 			

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	<ul style="list-style-type: none"> • Location of solid waste management units • Access and internal roads. <p>For large facilities, the use of other scales may be acceptable on a case-by-case basis.</p>			
	A-1a. ADDITIONAL TOPOGRAPHIC REQUIREMENTS FOR LAND STORAGE, TREATMENT, AND DISPOSAL FACILITIES. (See Section Topographic Map Requirements.)	270.14(c)(3) & (4), 264.95 and 264.97		
	A-1b. WIND ROSE. <ul style="list-style-type: none"> • Wind speed • Direction • Legend • Date. 	270.14(b)(19)		
	A-1c. TRAFFIC INFORMATION. A description of the means of transporting hazardous wastes. All facilities should describe movement of waste on the facility. Description must include: <ul style="list-style-type: none"> • Estimated volume • Traffic pattern • Traffic control • Access road(s) surfacing and load-bearing capacity. <p>Off-site facilities (only) should also describe movement of waste to the facility from the point where it leaves nearest major highway.</p>	270.14(b)(10)		
	A-2. FINANCIAL RESPONSIBILITY. A-2a. CLOSURE COST ESTIMATES. <ul style="list-style-type: none"> • Copy of Financial Mechanism <p>Financial Assurance DEP Form 62-730.900(2) Part II 2. Contact Financial Assurance Section in Tallahassee.</p>	264.142, 264.143 and 270.14(b)(15)		
	A-2b. POST-CLOSURE CARE COST ESTIMATE. <ul style="list-style-type: none"> • Copy of Financial Mechanism <p>Financial Assurance DEP Form 62-730.900(2) Part II 2. Contact Financial Assurance Section in Tallahassee.</p>	264.144, 264.145, 264.146 and 270.14(b)(16)		

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	A-2c. CORRECTIVE ACTION COST ESTIMATES. <ul style="list-style-type: none"> • Copy of Financial Mechanism Financial Assurance DEP Form 62-730.900(2) Part II 2. Contact Financial Assurance Section in Tallahassee.	264.100, 264.101 and 62-730.180(6)		
	A-2d. LIABILITY COVERAGE. <ul style="list-style-type: none"> • Copy of Policy 	264.147 and 270.14(b)(17)		
	A-3. FLOODPLAIN STANDARD. Documentation of whether or not the facility is located within a 100-yr. floodplain including the source of data (Federal Insurance Administration Map or other maps and calculations). If map other than FIA map is used, demonstration of equivalent mapping technique should be provided. If located in 100-yr. floodplain include: <ul style="list-style-type: none"> • 100-yr. floodplain level • Other special flooding factors (e.g., wave action) that must be considered to prevent washout. 	270.14(b)(11)(iii) and 264.18(b)		
	A-3b(l). DEMONSTRATION OF COMPLIANCE. For facilities located within the 100-yr. floodplain, a description of how the facility is designed, constructed, operated, and maintained to prevent washout of any hazardous waste during a flood. Either of the following may be used:	270.14(b)(11)(iv) and 264.18(b)		
	A-3b(l)(a). FLOOD PROOFING AND FLOOD PROTECTION. A structural or other engineering study showing how design of the tanks, containers, or waste piles and the flood proofing and protection devices at the facility will prevent washout including: <ul style="list-style-type: none"> • Engineering analysis of hydrodynamic and hydrostatic forces • Structural or other engineering studies of hazardous waste units and flood protection devices. 	270.14(b)(11) (iv)(A) & (B)		

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	<p>A-3b(1)(b). FLOOD PLAN. Description of the procedures to be followed to remove hazardous waste to safety before the facility is flooded. The plan must address the following:</p> <ul style="list-style-type: none"> • Timing related to flood levels. • Estimated time to move the waste. • Description of the location to which the waste will be moved and proof of the receiving facility's eligibility to receive hazardous waste. • Procedures, equipment, and personnel to be used and the means to ensure that these resources will be available. • Potential for accidental discharge of the waste. 	<p>270.14(b)(11) (iv)(C) and 264.18(b)(1)(i)</p>		
	<p>A-3b(2). PLAN FOR FUTURE COMPLIANCE WITH FLOODPLAIN STANDARD. For facilities located within the 100-yr. floodplain that do not comply with the floodplain standard, a plan showing how and when the facility will be brought into compliance. A compliance schedule must be included.</p>	<p>270.14(b)(11)(v)</p>		
	<p>A-3b(3). WAIVER FOR LAND STORAGE AND DISPOSAL FACILITIES (EXISTING FACILITIES ONLY). If a waiver from the Floodplain Standard is requested, the owner or operator must demonstrate that there will be no adverse effects on human health or the environment if washout occurs. The following factors must be considered in this demonstration:</p> <ul style="list-style-type: none"> • Volume and physical and chemical characteristics of the waste. • Concentration of hazardous constituents that would potentially affect surface waters. • Impact of such concentration on the current or potential uses of and water quality standards established for the affected surface waters. 	<p>264.18(b)(1)(ii)</p>		

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- Impact of hazardous constituents on the sediments of affected surface waters or the soils of the 100-yr. floodplain.

A-4. FACILITY INFORMATION.

A-4a. SECURITY.

Security Procedures and Equipment.

264.14 and
270.14(b)(4)

Unless a waiver is granted, the application must include a description of the security procedures and equipment required by 264.14:

24-Hour Surveillance System.

264.14(b)(1)

A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) that continuously monitors and controls entry onto the active portion of the facility:

- Procedures and personnel to be used
- Location and description of equipment.

Barrier and Means to Control Entry.

264.14(b)(2)(i)

(In lieu of a 24-hour surveillance system, the applicant may elect to use a barrier and other means to control entry.)

Barrier.

264.14(b)(2)(i)

An artificial or natural barrier (e.g., a fence in good repair or a fence combined with a cliff) that completely surrounds the active portion of the facility:

- Height
- Material of construction

Means to Control Entry.

264.14(b)(2)(ii)

A means to control entry, at all times, through the gates or other entrances to the active portion of the facility (e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility):

- Procedure and personnel to be used.
- Location and description of equipment.

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	Warning Sign. The facility must have a sign with the legend, "Danger - Unauthorized Personnel Keep Out," which must: <ul style="list-style-type: none"> • Be posted at each entrance to the active portion of the facility. • Be in sufficient numbers to be seen from any approach to the active portion of the facility. • Legend must be in English and any other language predominated in the area. • Be legible from a distance of at least 25 feet. Existing signs with a legend other than "Danger - Unauthorized Personnel Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion and that entry onto the active portion can be dangerous.	264.14(c)		
	Waiver. If a waiver of these requirements is requested, the owner or operator must demonstrate the following:	264.14(a)		
	Injury to Intruder. Physical contact with the waste, structure, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock that may enter the active portion of a facility; and	264.14(a)(1)		
	Violation Caused by Intruder. Disturbance of the waste or equipment by the unknowing or unauthorized entry of persons or livestock onto the active portion of a facility will not cause a violation of the requirements of 264.	264.14(a)(2)		
	NOTE: To address the above, the application should include: <ul style="list-style-type: none"> • Nature and duration of hazard potential from waste. • Equipment and structures to minimum potential for an intruder to: 1) cause a spill; 2) mix incompatible wastes; 3) ignite ignitable or 			

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reactive wastes; 4)damage containment or monitoring systems.

- Feature that prevent contact with waste.

	A-4b. CONTINGENCY PLAN. A copy of the contingency plan required in Part 264, Subpart D. Include, where applicable, specific requirements in 264.227.	270.14(b)(7) (264.50 through 264.56)		
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	An existing spill prevention control plan can be amended to incorporate hazardous waste management provisions sufficient to comply with 264, Subpart D requirements. General Information.	264.52(b)		
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- Facility name and location and owner or operator name.
- Site plan.
- Description of facility operations.

	Emergency Coordinators. • Names, addresses, office and home phone numbers, and duties of primary and alternate coordinators in sequences as alternates. • A statement authorizing designated coordinators to commit the necessary resources to implement the contingency plan. • Can reach facility in short period of time.	264.52(d) and 264.55		
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	Implementation. Criteria for implementation of contingency plan for any potential emergency: • Fires/explosions. • Unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.	264.52(a) and 264.56(d)		
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	Emergency Response Procedures. Notification. • Methodology for immediate notification of facility personnel and necessary state or local agencies.	264.56(a)		
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	Identification of Hazardous Materials. Available data and/or procedures for identification of hazardous materials involved in the emergency and quantity and areal extent of release. Include information on: <ul style="list-style-type: none"> • Characteristics of waste. • Exact source. • Amount. • Aerial extent of release. 	264.56(b)		
	Hazard Assessment. <ul style="list-style-type: none"> • Procedure for assessment of possible hazards to the environment and human health. • Procedures for determining the need for evacuation and notification of authorities. The authorities to be notified must include the on-scene-coordinator for that area or the National Response Center. 	264.56(c) and 264.56(d)		
	Control Procedures. <ul style="list-style-type: none"> • Specific responses and control procedures to be taken in the event of a fire, explosion, or release of hazardous waste to air, land, or water. 	264.52(a)		
	Prevention of Recurrence or Spread of Fires, Explosions or Releases: <ul style="list-style-type: none"> • During an emergency situation, a description of the necessary steps to be taken to ensure that fires, explosions, or releases do not occur, reoccur, or spread to other hazardous waste at the facility. Steps must include, where applicable: <ul style="list-style-type: none"> - Shut-down of processes and continued monitoring of them - Collecting, containing, and treating released wastes - Removing and isolating containers - Proper use of fire control structures (e.g., fire doors), systems (e.g., sprinkler systems), and equipment (e.g., extinguishers). 	264.56(e)		

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	Storage and Treatment of Released Material <ul style="list-style-type: none"> • Provisions to monitor for leaks, pressure buildup, gas generation, or ruptures, as appropriate, if operations at the facility are stopped in response to a release, fire or explosion. • Provisions for treatment, storage, or disposal of any hazardous waste resulting from a release, fire, or explosion at the facility. • Equipment available. • Procedures for deployment of these resources. • Methods to contain, treat, and clean up a hazardous release and decontaminate the affected area. 	264.56(f) and 264.56(g)		
	Incompatible Waste. Provisions for preventing waste which is incompatible with the released material from being treated, stored, or located in the affected areas until cleanup procedures are completed.	264.56(h)(1)		
	Post-Emergency Equipment Maintenance. Procedures for ensuring that all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed. (This includes advising authorities.)	264.56(h)(2) and 264.56(i)		
	Container Spills and Leakage. Procedures for responding to container spills or leakage including removal of spilled waste and repair or replacement of containers.	264.171		
	Tank Spills and Leakage. <ul style="list-style-type: none"> • Procedures for responding to tank spills or leakage, including removal of spilled waste and repair of tank. • Procedures for responding to leaks or spills from tanks containing hazardous wastes F020, F021, F022, F023, F026, and F027; and 	264.194(c) and 264.200		

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	procedures for immediate removal of these wastes from the containment system and replacement or repair of the leaking tank.			
	Surface Impoundment Spills, Leakage, and Sudden Drops.	270.14(b)(7), 264.227,		
	<ul style="list-style-type: none"> • Procedures for stopping waste additions. • Procedures for containing any leakage. • Procedures for stopping leaks and preventing sudden drops and preventing catastrophic failure. • Procedures and criteria for emptying impoundment. • Procedures for installing a liner in existing portions of the impoundment or procedures for certification of the liner in other than existing portions when the impoundment is removed from service as the result of a sudden drop in liquid level. • Obtain qualified engineers certification of repairs and probability of leakage or failure. 	264.227(b)(1), 264.227(b)(2), 264.227(b)(3) and 264.227(b)(4)		
	Emergency Equipment.	264.52(e)		
	Location, description, and capabilities of emergency equipment. This should include:			
	<ul style="list-style-type: none"> • Spill control equipment. • Fire control equipment. • Personnel protective items such as respirators and protective clothing. • First aid and medical supplies. • Emergency decontamination equipment. • Emergency communication and alarm systems. 			
	Coordination Agreements.			
	<ul style="list-style-type: none"> • A description of coordination agreement existing police and fire departments, hospitals, contractors, and state and local emergency response teams to familiarize them with the facility and actions needed in case of emergency. 	264.37 and 264.52(c)		

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	<ul style="list-style-type: none"> • A statement indicating that a copy of the contingency plan has been submitted to these organizations. • If applicable, document of refusal to enter into a coordination agreement. 	264.53(b)		
	Evacuation Plan. The plan must include: <ul style="list-style-type: none"> • Criteria for evacuation. • A description of signal(s) to be used to begin evacuation. • Primary and alternate evacuation routes. 	264.52(f)		
	Required Reports. <ul style="list-style-type: none"> • Provisions for submission of reports of emergency incidents within 15 days of occurrence. • Notation of such incidents in the operating record identifying the time, date, and details of these emergency incidents. 	264.56(i)		
	D-4c. PREVENTIVE PROCEDURES, STRUCTURES, AND EQUIPMENT. A description of procedures, structures, or equipment used at the facility for the following must be included:	270.14(b)(8)		
	Unloading Operations. Prevention of hazards in unloading operations (e.g., use of ramps or special forklifts).	270.14(b)(8)(i)		
	Run-Off. Prevention of runoff from hazardous waste handling areas to other areas of the facility or environment, or prevention of flooding, (e.g., berms, dikes, trenches).	270.14(b)(8)(ii)		
	Water Supplies. Prevention of contamination of water supplies.	270.14(b)(8)(iii)		
	Equipment and Power Failure. Mitigation of effects of equipment failure and power outages.	270.14(b)(8)(iv)		

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	Personal Protection Equipment. Prevention of undue exposure of personnel to hazardous waste (e.g., protective clothing).	270.14(b)(8)(v)		
	Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Wastes A description of the precautions taken by a facility that handles ignitable, reactive or incompatible waste to demonstrate compliance with 264.17 including documentation demonstrating compliance with 264.17(c). Precautions to prevent actual ignition, including separation from sources of ignition such as: <ul style="list-style-type: none"> • Open flames. • Smoking. • Cutting and welding. • Hot surfaces. • Frictional heat. • Spark (static, electrical, or mechanical). • Spontaneous, ignition (heat producing chemical reactions). • Radiant heat. Demonstration that when ignitable or reactive waste is being handled, the owner or operator confines smoking and open flames to specially designated locations. "No Smoking" signs must be conspicuously placed wherever a hazard exists for ignitable or reactive waste.	270.14(b)(9) and 264.17(a) and (c)		
	General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste A description of the precautions taken by a facility that treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes or other materials, to prevent reactions which:	270.14(b)(9) and 264.17(b) and (c)		

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(1) generate extreme heat or pressure, fire or explosions or violent reactions; (2) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; (3) produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; (4) damage the structural integrity of the device or facility; (5) by similar means threaten human health or the environment.

Documentation to meet requirements of 264.17(c) or (b) may be based on references to published scientific or engineering literature, data from trial tests, waste analyses, or results of treatment of similar wastes by similar treatment processes and under similar operating conditions.

264.17(c)

Management of Ignitable or Reactive Waste in Containers.
 Sketches, drawings, or data demonstrating that containers of ignitable or reactive waste are located at least 15 meters (50 feet) from the facility's property line.

270.15(c)
and 264.176

Management of Incompatible Wastes in Containers
 A description of procedures to demonstrate compliance with 264.177(a) and (b), and 264.17(b) and (c):

270.15(d)
and 264.177

- The procedures used to ensure that incompatible wastes and materials are not placed in the same container (unless 264.17(b) is complied with) or in an unwashed container that previously held compatible waste.
- Dikes, berms, walls or other devices used to separate containers, holding wastes which are incompatible with wastes or materials stored nearby.

264.177(a)
and 264.177(b)

264.177(c)

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	<p>Management of Ignitable or Reactive Wastes in Tanks. A description of the operational procedures for handling incompatible, ignitable, or reactive wastes, including the use of buffer zones. Requirements of 264 include:</p> <ul style="list-style-type: none"> • Waste must be treated, rendered, or mixed before or immediately after placement in the tank so that it is no longer considered ignitable and complies with 264.17(b); or the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite; or the tank is used solely for emergencies. • Facilities that treat or store ignitable or reactive waste in covered tanks must comply with the National Fire Protection Association's buffer zone requirements for tanks. 	270.16(f) and 264.198		
	<p>Incompatible Wastes in Tanks. A statement that incompatible wastes and materials are not stored in the same tank or in an unwashed tank that previously held an incompatible waste or material (unless 264.17(b) is complied with).</p>	270.16(f) and 264.199		
	<p>Ignitable or Reactive Wastes in Waste Piles. The application must include a description of the procedures for handling ignitable, or reactive wastes, including the use of buffer zones. Waste must be treated, rendered, or mixed before or immediately after placement in the waste pile so that it is no longer considered ignitable and complies with 264.17(b); or the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite.</p>	270.18(f) and 264.256		
	<p>Incompatible Wastes in Waste Piles. The applicant must include:</p>	270.18(g) and 264.257		

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	<ul style="list-style-type: none"> • A statement that incompatible wastes and materials are not stored in the same waste pile or on the same base that previously held an incompatible waste or material unless 264.17(b) is complied with. • A description of the procedures (dikes, beams, walls, distances) utilized to separate a waste pile of hazardous waste that is incompatible with any waste or other material stored nearby. 			
	Ignitable or Reactive Wastes in Surface Impoundment.	270.17(g)		
	<ul style="list-style-type: none"> • A description of the procedures for handling ignitable, or reactive wastes, including the use of buffer zones. Waste must be treated, rendered, or mixed before or immediately after placement in the surface impoundment so that it is no longer considered ignitable and complies with 264.17(b); or • The waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite; • The impoundment is used only for emergencies. 	and 264.229		
	Incompatible Waste in Surface Impoundment.	270.17(h)		
	The application must include:	and 264.230		
	<ul style="list-style-type: none"> • A statement that incompatible wastes and materials are not stored in the same surface impoundment or in the impoundment that previously held an incompatible waste or material unless 264.17(b) is complied with. 			
	Ignitable or Reactive Wastes in Landfills.	270.21(f)		
	Documentation of procedures for:	and 264.312		
	<ul style="list-style-type: none"> • Rendering wastes non reactive prior to or immediately after placement in the landfill. • Preventing reactions. • Protecting ignitable wastes in containers from materials or conditions that may cause them to ignite. 			

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	Incompatible Wastes in Landfills. Applicant must provide procedures for ensuring that incompatible wastes will not be disposed of in the same landfill cell, unless 264.17(b) is complied with.	270.21(g) and 264.313		
	Ignitable or Reactive Wastes in Land Treatment. A description of the management of ignitable or reactive wastes which will be placed in or on the treatment zone, if applicable, and an explanation of how the following requirements will be complied with: <ul style="list-style-type: none"> • The waste is immediately incorporated into the soil so that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste and the requirements of 264.17(b) are complied with; or • The waste is managed in such a way that it is protected from any material or conditions which may cause it to ignite or react. 	270.20(g) and 264.281		
	Incompatible Wastes in Land Treatment. A description of the management of incompatible wastes must be submitted if incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, including an explanation of how the requirements of 264.17(b) are complied with.	270.20(h) and 264.282		
	A-4d. PREPAREDNESS AND PREVENTION REQUIREMENTS. A justification of any request for a waiver of preparedness and prevention requirements of Part 264, Subpart C.	270.14(b)(6)		
	Equipment Requirements. Unless it can be demonstrated that none of the hazards posed by waste handled at the facility would require a particular kind of equipment specified below, the facility must have the following equipment: (These requirements are not specifically listed in 270.14-270.29 for inclusion in a Part B).	264.32		

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	Internal Communications. An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel.	264.32(a)		
	External Communications. A device such as telephone (immediately available at the scene of operations) or a handheld two-way radio, for summoning emergency assistance from local police departments, or state or local emergency response teams.	264.32(b)		
	Emergency Equipment. <ul style="list-style-type: none"> • Fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals and portable fire extinguishers). • Spill control equipment. • Decontamination equipment. 	264.32(c)		
	Water for Fire Control. One of the following: <ul style="list-style-type: none"> • Water at adequate volume and pressure to supply water hose streams; or • Foam-producing equipment; or • Automatic sprinklers or water spray systems. 	264.32(d)		
	Aisle Space Requirement. Requests for a waiver of the aisle space requirement must be accompanied by a demonstration that aisle space is not needed to allow the unobstructed movement of personnel, fire protection equipment, or spill control equipment to any area of facility operation in an emergency.	264.35		
	A-4e. PERSONNEL TRAINING. Outline of Training Program. An outline of both the introductory and continuing training programs by owners or operators to prepare the personnel to operate	270.14(b)(12) and 264.16		

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	and maintain the facility in a safe manner as required to demonstrate compliance with 264.16. Include a brief description of how training will be designed to meet actual job tasks in accordance with requirements in 264.16(a)(3). (Note: On-the-job training may be used to comply with these requirements.)			
	Job Titles and Duties. For each employee whose position at the facility is related to hazardous waste management, the following must be maintained at the facility:	264.16(d)(1) and 264.16(d)(2)		
	<ul style="list-style-type: none"> • Job title. • Job duties. • Job description. 			
	Training Content, Frequency, and Techniques. In both introductory and continuing training (including an annual review of the initial training) for each employee describe:	264.16(a)(3), 264.16(c) and 264.16(d)(3)		
	<ul style="list-style-type: none"> • Training content. • Frequency of training. • Technique(s) used in training. 			
	Training Director. Demonstration that the program is directed by a person trained in hazardous waste management:	264.16(a)(2)		
	<ul style="list-style-type: none"> • Credentials of training director. 			
	Relevance of Training to Job Position. A brief description of how instructions of facility personnel in hazardous waste management procedures (including contingency plan implementation) is relevant to their positions. [To demonstrate compliance with 264.16(a)(2).]	264.16(a)(2)		
	Training for Emergency Response. Documentation that the training program trains facility personnel to respond effectively to emergencies and trains them to be familiar with	264.16(a)(3)		

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	emergency procedures, emergency equipment, and emergency systems, include where applicable: <ul style="list-style-type: none"> • Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. • Key parameters for automatic waste feed cut-off system. • Communications or alarm systems. • Response to fires or explosions. • Response to groundwater contamination incidents. • Shutdown of operations. 	264.16(a)(3)(i) 264.16(a)(3)(ii) 264.16(a)(3)(iii) 264.16(a)(3)(iv) 264.16(a)(3)(v) 264.16(a)(3)(vi)		
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	Implementation of Training Program. <ul style="list-style-type: none"> • Indication that training has been and will be successfully completed by facility personnel within 6 months of their employment or assignment to a facility, or transfer to a new position at a facility, whichever is later. (NOTE: Employees hired after the effective date of these regulations must not work in unsupervised positions until they have completed the training requirements). <ul style="list-style-type: none"> • Records documenting that the required training has been given to and completed by facility personnel must be maintained. 	264.16(d)(4) 264.16(b)		
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	A-5. CHEMICAL AND PHYSICAL ANALYSIS. For each hazardous waste treated, stored or disposed at the facility, the following information should be provided: <ul style="list-style-type: none"> • General description of the waste. • Hazardous characteristics. • Basis for hazard designation. • Laboratory report on analyses results. • Existing published or documented data on hazardous waste or hazardous waste from a similar process (new facilities only). At a minimum, the analyses should include all the information which must be known to treat,	270.14(b)(2) 264.13(a)		
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	store, or dispose of the waste in accordance with Part 264 and 268 requirements or conditions of a permit issued under Part 270.			
	Containers. <ul style="list-style-type: none"> • Compatibility of waste with container. • For containers of wastes without a secondary containment system test procedures and results or other documentation or information which show that wastes do not contain free liquids. A suggested test for free liquids is the Paint Filter Liquids (Test Method 9095 in SW-846). • Waste specific parameters based on hazardous designation. • Other information required for safe operation. 	264.172, 270.15(d), 264.177 and 270.15(b)(1)		
	Tanks. <ul style="list-style-type: none"> • Specific gravity. • Waste specific parameters based on hazardous designation. • Other information required for safe operation. 	264.191(a)		
	Waste Piles. <ul style="list-style-type: none"> • For waste piles that are inside or under a structure when an exemption from 264.251 is requested, test procedures and results, or other documentation or information which show that the wastes do not contain free liquids when placed on the pile. A suggested test for free liquids is the Paint Filter Liquids Test (Method 9095 in SW-846). • Demonstration that the wastes will not generate leachate through decomposition or other reactions while being stored. 	264.250(c)(1) 264.250(c)(4)		
	Incinerators. Trial Burn. If a trial burn is proposed (or has been conducted already), an analysis of each waste or waste mixture to be burned during the trial burn (or burned during	270.62(b)(2)(i)		

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the previous trial burn) and after the trial burn is complete, which includes:

- Heat value.
- Viscosity (liquids).
- Physical form (non-liquids).
- Identification of hazardous organic constituents listed in Appendix VIII: [Note: The applicant need not analyze for Appendix VIII constituents which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified, and the basis for exclusion stated.]
 - Approximate quantification of hazardous constituents
 - Chlorine content
 - Ash content.

	Data in Lieu of Trial Burn.	270.19(c)(i)		
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Data may be supplied in lieu of the results of a trial burn. The data must include an analysis of each waste or waste mixture to be burned. including:

- Heat value.
- Viscosity (if applicable) or description of physical form of the waste.
- Identification of hazardous organic constituents listed in Appendix VIII: [Note: The applicant need not analyze for Appendix VIII constituents which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified, and the basis for exclusion stated.]
 - Approximate quantification of hazardous constituents
 - Quantification of hazardous constituents which may be designated as POHC's based on data submitted from other trial or operational burns which demonstrate compliance with the performance standard in 264.343.
 - Comparison of waste for which permit data submitted in lieu of a trial burn, including identified POHC'S.

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	Frequency of Analysis. A description of the frequency at which the analyses will be repeated. The frequency must be sufficient to ensure that the analysis is accurate and up-to-date. (For an on-site facility, this will be whenever there is a process change. For an incinerator, this will be as often as required to verify consistency of the waste feed.)	264.13(b)(4)		
	Additional Requirements for Wastes Generated Off-Site. A description of the procedures used to inspect and/or analyze waste generated off-site that includes: <ul style="list-style-type: none"> • Procedures to determine waste identity. • Sampling frequency. • Sampling methods. • Waste analysis information supplied by generator. 	264.73(a) & (b), 264.13(b)(5) and 264.13(c)		
	Additional Requirements for Facilities Handling Ignitable, Reactive, or Incompatible Waste. If the facility stores or treats ignitable, reactive, or incompatible waste, a description of methods which will be used to meet the additional waste analysis requirements necessary for complying with the regulatory requirement specified in Section F-5.	264.13(b)(6) 264.17		
	Additional Waste Analysis Requirements Pertaining to Land Disposal Restrictions.	270.14(b)(3), 264.13(a)(1), 264.13(b)(6) and 268.7		
	Waste Characteristics. Analytical data must be submitted by the generator to the owner/operator for each waste stored, treated, or disposed at the facility, or information from knowledge of the waste can be used, to determine if the waste is restricted under 268. If generator knowledge is used, all supporting data must be maintained in the operating record.	264.13(a)(1) and 268.7		

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	<p>Waste Characteristics: Solvent Wastes and Dioxin-Containing Wastes. F001-F005 spent solvent wastes are restricted from land disposal under 268.30 and F020-F023 and F026-F028 dioxin-containing wastes are prohibited under 268.31 unless:</p> <ul style="list-style-type: none"> • Wastes meet applicable standards in Subpart D, or • An exemption has been granted pursuant to 268.6, or • An exemption has been granted pursuant to 268.5. <p>To determine if a waste is restricted, you must:</p> <ul style="list-style-type: none"> • Test waste, or an extract developed using the Toxicity Characteristic Leaching Procedure (TCLP), or • Use information from knowledge of chemical and physical characteristics. 	<p>264.13(a)(1) and 268.7(a)</p> <p>268.30, 268.31 and Part 268, Appendix I</p>		
	<p>Waste Characteristics: California List Wastes. The following wastes are prohibited from land disposal under 268.32:</p> <ul style="list-style-type: none"> • Liquid hazardous wastes with a pH less than or equal to 2.0. • Liquid wastes containing PCB's at concentrations greater than or equal to 50 ppm • Liquid hazardous wastes that are primarily water and contain HOCs in total concentration greater than or equal to 1,000 mg/l. • Non-liquid hazardous wastes containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. <p>Unless:</p> <ul style="list-style-type: none"> • An exemption has been granted pursuant to 268.6, or • A case-by-case extension of the effective date has been granted pursuant to 268.5, or 	<p>264.13(a)(1), 268.7(a) and 268.32</p>		

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	<ul style="list-style-type: none"> • Wastes meet applicable standards in Subpart D or, • Where treatment standards are not specified, wastes are in compliance with applicable prohibitions in 268 or RCRA Section 3004(d). To make the determinations: • Use Method 9095 (Paint Filter Liquids Test) in SW-846 to determine if waste is a liquid. • Initial generator must test waste (not extract or filtrate) in accordance with 261.22(a)(1), or use knowledge of the waste to determine if pH is less than or equal to 2.0. • Initial generator of liquid hazardous waste containing PCBs or a liquid or non-liquid hazardous waste containing HOCs must test waste (not extract or filtrate), or use knowledge of waste, to determine if concentration levels meet the prohibitions above. 			
	<p>Waste Characteristics: First Third. Initial generator must test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, to determine whether a waste listed in 266.10 meets treatment standards set in 268.41 and 268.43, respectively. If the waste contains constituents exceeding applicable Subpart D levels, waste is prohibited from land disposal unless:</p> <ul style="list-style-type: none"> • An exemption has been granted pursuant to 268.6, or • A case-by-case extension has been granted pursuant to 268.5. 	264.13(a)(1), 268.7(a) and 268.33		
	<p>Additional Requirements for Treatment Facilities. Treatment facilities must conduct the following testing:</p>	264.13(a)(1) and 268.7(b)		

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	<ul style="list-style-type: none"> • For wastes with treatment standards expressed as concentrations of waste extract (268.41), test treatment residues, or an extract of such residues developed using the TCLP, to assure treatment standards are met. • For wastes with treatment standards expressed as concentrations in the waste (268.43), test treatment residues, not an extract of such residues, to assure residues meet applicable standards. • For California List Wastes (268.32) not subject to Subtitle D treatment standards, test treatment residues according to procedures in C-3(a)(2) to assure residues comply with applicable prohibitions. 			
	Not applicable to wastes for which treatment technologies have been specified. If wastes received from an off-site generator, need procedures to assure that treatment is not conducted until required data is provide by the generator.			
	Additional Requirements for Disposal Facilities. If wastes or treatment residues are received from an off-site generator or treatment facility, assure wastes will not be disposed without receipt of proper notice and certification as specified in 268.7(a) & (b). Owner/operator of land disposal facility must: <ul style="list-style-type: none"> • Test waste, or an extract of the waste or treatment residue developed using TCLP, or • Use methods required by generators under 268.32 [C-3a(2)] to assure waste or treatment residues comply with applicable Subpart D treatment standards and all applicable prohibitions in 268.32. 	264.13(a)(1) and 268.7(c)		
	Additional Requirements for Surface Impoundments Exempted from Land Disposal Restrictions. For surface impoundments exempted from land disposal restrictions under 268.4(a), address the following: <p>Sampling and Analysis of Impoundment Contents.</p> <ul style="list-style-type: none"> • Procedures and schedule to be followed to sample 	264.13(b)(7) and 268.4(a)	264.13(b)(7)(i) and (ii),	

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	and test treatment residues to demonstrate compliance with treatment standards or prohibitions. Note that representative samples of the sludge and the supernatant must be tested separately rather than mixed to form homogeneous samples.	and 268.4(a)(2)		
	Annual Removal of Residues. Procedures and schedule for removing residues which do not meet applicable treatment standards or prohibitions, do not exhibit a characteristic of hazardous waste, and are not delisted under Part 260.22. These residues must be removed at least annually. Note that residues may not be placed in any other surface impoundment for subsequent management.	264.13(b)(7)(iii), and 268.4(a)(2)		
	Requirements for Land Disposal Facilities With An Approved Exemption or Extension. If a case-by-case extension has been approved under 268.5 or a petition has been approved under 268.6, provide a copy of the Notice of Approval.	270.14(b)(21)		
	A-7. MANIFEST SYSTEM, RECORD KEEPING, AND REPORTING.	264.12		
	• Required Notices.	264.71		
	• Manifest System.	264.72		
	• Operating Records.	264.73		
	• Biannual Reports.	264.74		
	• Unmanifested Waste Reports.	264.75		
	• Waste Minimization.	264.76		
	• Addition Reports.	264.77		
	Inspection Schedule. A copy of the general inspection schedule required by 264.15(b) including, where applicable, specific requirements of 264.174, 264.194, 264.226, 264.254, 264.273, 264.303, and 264.347.	270.14(b)(5) and 264.15		

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	General Inspection Requirements. A description of the facility inspection schedule (schedule must be kept at the facility) for the following equipment:	270.14(b)(5) and 264.15(a) & (b)		
	<ul style="list-style-type: none"> • Monitoring equipment. • Emergency and safety equipment. • Security devices. • Operating and structural equipment that are vital to prevent, detect, or respond to environmental or human health hazards. • Testing as necessary of communications or alarm systems, fire protection equipment and decontamination equipment. 	264.15(a) & (b)		
	Examples of Monitoring Equipment That Should be Inspected at Treatment, Storage, and Disposal Facilities Are:	264.32-34		
	<ul style="list-style-type: none"> • Scales. • Flow and liquid level monitors. • Hazardous gas detectors. • pH monitors. • Leachate monitors. • Pressure sensors. • Temperature gauges. 	264.33		
	Examples of Monitoring Equipment That Should Be Inspected at Facilities With Incinerators Are:			
	<ul style="list-style-type: none"> • Waste flow monitors and recorders. • Auxiliary air flow monitors. • Combustion air flow monitors. • Temperature monitors. • Flame sensors. • CO monitors and recorders. • Pressure differential indicators. • Pressure sensors. • pH monitors. • Ammeters for measuring blower current draw. 			

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	<p>Examples of Safety and Emergency Equipment to Be Inspected at TSD Facilities are:</p> <ul style="list-style-type: none"> • Respirators. • Communication systems. • Alarm System. • Emergency lighting and power systems. • Smoke detectors. • Fire protection equipment. • First aid equipment and supplies. • Decontamination equipment. • Protective clothing. 			
	<p>Examples of Security Devices to Be Inspected at TSD Facilities Are:</p> <ul style="list-style-type: none"> • Surveillance system. • Barrier surrounding facility. • Locking devices. 			
	<p>Examples of Operating and Structural Equipment at TSD Facilities Are:</p> <ul style="list-style-type: none"> • Spill detection devices. • Spill control and collection equipment. • Fire and explosion barriers. • Ventilation equipment. • Sump pumps. • Dikes, bases, and foundations. 			
	<p>In addition; areas such as waste storage, mixing, loading, and unloading areas which are subject to spills; must be inspected.</p>			
	<p>Types of Problems.</p> <p>The schedule must identify the types of problems to look for during the inspection (e.g., leaks, deterioration, readings out of specified range, missing items or materials, inoperative equipment, etc.).</p>	264.15(b)(3)		
	<p>Frequency of Inspection.</p> <p>A description of the inspection frequency must be provided for items on the schedule. The frequency of inspection should be based on the rate of possible deterioration of equipment and the</p>	264.15(b)(4)		

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probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas, must be inspected daily when in use.

	All emergency waste feed cut-off valves must be inspected at least weekly to verify proper operation. All system alarms must also be tested weekly.	264.347(c) (Incinerators only)		
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	Specific Process Inspection Requirements. At a minimum, the inspection schedule must include the terms and frequencies called for in 264.174, 264.195, 264.226, 264.254, 264.303, and 264.347, where applicable.	270.14(b)(5) and 264.15(b)(4)		
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	Container Inspection. A description of the weekly inspection of containers and container storage areas for leaks in containers or deterioration of containers and the containment system caused by corrosion or other factors.	264. 174		
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	Tank System Inspection. <ul style="list-style-type: none"> • A description of the inspection each operating day of overfilling control equipment, monitoring equipment, and levels of waste in uncovered tanks. • A description of the daily inspection of tank construction materials and the area surrounding the tank, including secondary containment system (e.g., dike). • A schedule describing the monitoring of each operating day of monitoring equipment (e.g., pressure and temperature gauges), where present, to ensure that the tank is operated according to design specifications. • A schedule showing the level of waste in uncovered tanks that is inspected each operating day. 	264.195		
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	<ul style="list-style-type: none"> • A schedule and procedure for assessing the condition of the tank, including detection of leaks, cracks, or wall thinning to less than minimal thickness. • A procedure for emptying a tank to allow entry and inspection when necessary to detect corrosion or erosion of the tank sides and bottom. • Confirm proper operation of cathodic protection system (if present) within six months after installation and at least annually thereafter. • Schedule showing all sources of impressed current are inspected and/or tested at least bimonthly. 			
	<p>Waste Pile Inspection. The application must provide a description of the procedures to:</p> <ul style="list-style-type: none"> • Inspect liners and covers during construction and immediately after installation for: <ul style="list-style-type: none"> - uniformity, damage and imperfections, holes, cracks, thin spots, bulges, root holes, tight seams and joints, permeability and compaction • Remove the waste pile and periodically inspect liners for deterioration, cracks and other imperfections. • Perform weekly inspections and, after storms, to detect: <ul style="list-style-type: none"> - deterioration, malfunctions, or improper operation of run-on and run-off control systems, - the presence of liquids in leak detection systems, where installed, - proper functioning of wind dispersal control systems, where present, - the presence of leachate in and proper functioning of leachate collection and removal systems, where present. 	<p>270.14(b)(5), 270.18(d) and 264.254</p>		
	<p>Surface Impoundment Inspection. The application must provide a description of how each surface impoundment, including the liner and cover systems and appurtenances for control of overtopping, will be inspected weekly and after storms to detect evidence of any of the following:</p>	<p>270.14(b)(5), 264.226(b) and 270.17(c)</p>		

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	<ul style="list-style-type: none"> • Deterioration, malfunctions, or improper operation of overtopping control systems. • Sudden drops in the level of the impoundments contents. • The presence of liquids in leak detection systems, where installed. • Severe erosion or other sign of deterioration in dikes or other containment devices. 			
	For new facilities, a description of how the liners will be inspected during construction and immediately after installation to detect non-uniformity, damages and imperfections (holes, cracks, thin seams, bulges, root holes, tight seams and joints, permeability, and compaction). See Item D-4b(2) concerning inspection of dikes for structural integrity.	264.226(a)		
	Incinerator Inspection. <ul style="list-style-type: none"> • Incinerator and associated equipment must be inspected visually at least daily for leaks, spills, fugitive emissions, and signs of tampering. • Emergency waste feed cut-off system and associated alarms must be tested weekly unless the applicant demonstrates that weekly frequency is unduly restrictive and that less frequent inspection will be adequate. At a minimum, operational testing must be conducted monthly. 	264.347(b) & (c)		
	Landfill Inspection. Landfill owners or operators must provide a description of procedures for: <ul style="list-style-type: none"> • For new facilities, inspection of liners/covers during and immediately after installation. • Inspections weekly and after storms for: <ul style="list-style-type: none"> - operation of run-on/run-off controls, - liquids in leak detection systems, - proper functioning of wind dispersal controls, - leachate in and proper operation of leachate collection/removal systems. 	270.21(d), 264.15(a) and 264.303(b)		

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	Land Treatment Inspection. A description of the inspection procedures. Specifically the unit must be inspected weekly and after storms for:	270.20(c)(5) and 264.273(g)		
	<ul style="list-style-type: none"> • Deterioration, malfunctions, or improper operation of run-on and run-off control systems. • Improper functioning of wind dispersal control measures. • The presence of liquids in leak detection systems, where installed. • Proper functioning of wind dispersal control systems, where present. • The presence of leachate in and proper functioning of leachate collection and removal systems, where present. 			
	Miscellaneous Unit Inspections. Provide an inspection program which ensures compliance with the standards specified in other units, where applicable.	270.14(b)(5) and 264.602		
	Remedial Action. A description of procedures for taking remedial actions when inspections reveal problems or when problems are imminent. These may alternately be described in the contingency plan [See 264.194(c), 264.227, 264.171].	264.15(c)		
	Inspection Log. A copy or description of the inspection log or summary form including the following:	264.73(b)(5) and 264.15(d)		
	<ul style="list-style-type: none"> • Dates and times of inspections. • Name(s) and inspector(s). • Observations made. • Date and nature of repairs or remedial actions taken. 			