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DEPARTMENT OF HEALTH
Compilation of Chapter 11-270
Hawaii Administrative Rules

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SUMMARY

1. Chapter 11-270 is compiled.

HAWAII ADMINISTRATIVE RULES

TITLE 11

DEPARTMENT OF HEALTH

CHAPTER 270

HAZARDOUS WASTE MANAGEMENT

STATE ADMINISTERED PERMITS: THE HAZARDOUS WASTE PERMIT PROGRAM

Subchapter A General Information

- §11-270-1 Purpose and scope of these rules.
- §11-270-2 Definitions.
- §11-270-3 [Reserved]
- §11-270-4 Effect of a permit.
- §11-270-5 [Reserved]
- §11-270-6 References.

Subchapter B Permit Application

- §11-270-10 General application requirements.
- §11-270-11 Signatories to permit applications and reports.
- §11-270-12 Confidentiality of information.
- §11-270-13 Contents of Part A of the permit application.
- §11-270-14 Contents of Part B: General requirements.
- §11-270-15 Specific Part B information requirements for containers.
- §11-270-16 Specific Part B information requirements for tank systems.
- §11-270-17 Specific Part B information requirements for surface impoundments.
- §11-270-18 Specific Part B information requirements for waste piles.
- §11-270-19 Specific Part B information requirements for incinerators.
- §11-270-20 Specific Part B information requirements for land treatment facilities.
- §11-270-21 Specific Part B information requirements for landfills.
- §11-270-22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste.

- §11-270-23 Specific Part B information requirements for miscellaneous units.
- §11-270-24 Specific Part B information requirements for process vents.
- §11-270-25 Specific Part B information requirements for equipment.
- §11-270-26 Special Part B information requirements for drip pads.
- §11-270-27 Specific Part information requirements for air emission controls for tanks, surface impoundments, and containers.
- §11-270-28 [Reserved]
- §11-270-29 Permit denial.

Subchapter C Permit Conditions

- §11-270-30 Conditions applicable to all permits.
- §11-270-31 Requirements for recording and reporting of monitoring results.
- §11-270-32 Establishing permit conditions.
- §11-270-33 Schedules of compliance.

Subchapter D Changes to Permits

- §11-270-40 Transfer of permits.
- §11-270-41 Modification or revocation and reissuance of permits.
- §11-270-42 Permit modification at the request of the permittee.
- §11-270-43 Termination of permits.

Subchapter E Expiration and Continuation of Permits

- §11-270-50 Duration of permits.
- §11-270-51 Continuation of expiring permits.

Subchapter F Special Forms of Permits

- §11-270-60 Permits by rule.
- §11-270-61 Emergency permits.
- §11-270-62 Hazardous waste incinerator permits.
- §11-270-63 Permits for land treatment demonstrations using field test or laboratory analyses.
- §11-270-64 [Reserved]

- §11-270-65 Research, development, and demonstration permits.
- §11-270-66 Permits for boilers and industrial furnaces burning hazardous waste.

Subchapter G Interim Status

- §11-270-70 Qualifying for interim status.
- §11-270-71 Operation during interim status.
- §11-270-72 Changes during interim status.
- §11-270-73 Termination of interim status.
- §11-270-74 -- §11-270-100 [Reserved]

Subchapter H Appendices

- §11-270-101 Appendix.

SUBCHAPTER A

GENERAL INFORMATION

- §11-270-1 Purpose and scope of these rules. (a) Coverage.
- (1) These permit rules establish provisions for the hazardous waste permit program under HRS chapter 342J.
 - (2) The rules in this chapter cover basic State permitting requirements, such as application requirements, standard permit conditions, and monitoring and reporting requirements. These rules are part of a regulatory scheme implementing HRS chapter 342J set forth in chapters 11-260 through 11-280.
 - (3) Technical regulations. The hazardous waste management permit program has separate additional rules that contain technical requirements. These separate rules are used by permit issuing authorities to determine what requirements must be placed in permits if they are issued. These separate rules are located in chapters 11-264 and 11-266.
- (b) Overview of the hazardous waste management permit program. Not later than forty-five days after the revision of rules in chapter 11-261 (identifying and listing hazardous wastes), generators and transporters of hazardous waste, and owners or operators of hazardous waste treatment, storage, or disposal facilities may be required to file a notification of that activity under HRS section 342J-6.5. Treatment, storage, or disposal of hazardous waste by any person who has not applied for or received a hazardous waste management permit is prohibited. A hazardous waste management permit application consists of two parts, Part A (see section 11-270-13) and Part B (see section 11-

§11-270-1

270-14 and applicable provisions in sections 11-270-15 through 11-270-29). For "existing HWM facilities," the requirement to submit an application is satisfied by submitting only Part A of the permit application until the date the director sets for submitting Part B of the application. (Part A consists of Forms 1 and 3 of the Consolidated Permit Application Forms.) Timely submission of both notification under HRS section 342J-6.5 and Part A qualifies owners and operators of existing HWM facilities (who are required to have a permit) for interim status under HRS section 342J-30. Facility owners and operators with interim status are treated as having been issued a permit until the department makes a final determination on the permit application. Facility owners and operators with interim status must comply with interim status standards set forth at chapters 11-265 and 11-266. Facility owners and operators with interim status are not relieved from complying with other State requirements. For existing HWM facilities, the director shall set a date, giving at least six months notice, for submission of Part B of the application. There is no form for Part B of the application; rather, Part B must be submitted in narrative form and contain the information set forth in the applicable provisions of sections 11-270-14 through 11-270-29. Owners or operators of new HWM facilities must submit Parts A and B of the permit application at least one-hundred and eighty days before physical construction is expected to commence.

(c) Scope of the hazardous waste management permit requirement. Chapter 342J, HRS requires a permit for the "treatment," "storage," and "disposal" of any "hazardous waste" as identified or listed in chapter 11-261. The terms "treatment," "storage," "disposal," and "hazardous waste" are defined in section 11-270-2. Owners and operators of hazardous waste management units must have permits during the active life (including the closure period) of the unit. Owners or operators of surface impoundments, landfills, land treatment units, and waste pile units that received wastes after July 26, 1982, or that certified closure (according to section 11-265-115) after January 26, 1983, must have post-closure permits, unless they demonstrate closure by removal as provided under paragraphs (c)(5) and (c)(6). If a post-closure permit is required, the permit must address applicable chapter 11-264 Groundwater Monitoring, Unsaturated Zone Monitoring, Corrective Action, and Post-closure Care Requirements of chapters 11-260 through 11-279. The denial of a permit for the active life of a hazardous waste management facility or unit does not affect the requirement to obtain a post-closure permit under this section.

- (1) Specific inclusions. Owners and operators of certain facilities require hazardous waste management permits as well as permits under other programs for certain aspects of the facility operation. Hazardous waste management permits are required for:

- (i) Injection wells that dispose of hazardous waste, and associated surface facilities that treat, store or dispose of hazardous waste, (See section 11-270-64).
 - (ii) Treatment, storage, or disposal of hazardous waste at facilities requiring an NPDES permit. However, the owner and operator of a publicly owned treatment works receiving hazardous waste will be deemed to have a hazardous waste management permit for that waste if they comply with the requirements of subsection 11-270-60(c) (permit-by-rule for POTWs).
 - (iii) Barges or vessels that dispose of hazardous waste by ocean disposal and onshore hazardous waste treatment or storage facilities associated with an ocean disposal operation. However, the owner and operator will be deemed to have a hazardous waste management permit for ocean disposal from the barge or vessel itself if they comply with the requirements of subsection 11-270-60(a) (permit-by-rule for ocean disposal barges and vessels).
- (2) Specific exclusions. The following persons are among those who are not required to obtain a hazardous waste management permit:
- (i) Generators who accumulate hazardous waste on-site for less than the time periods provided in section 11-262-34.
 - (ii) Farmers who dispose of hazardous waste pesticides from their own use as provided in section 11-262-70.
 - (iii) Persons who own or operate facilities solely for the treatment, storage or disposal of hazardous waste excluded from regulations under this chapter by section 11-261-4 or 11-261-5 (small generator exemption).
 - (iv) Owners or operators of totally enclosed treatment facilities as defined in section 11-260-10.
 - (v) Owners and operators of elementary neutralization units or wastewater treatment units as defined in section 11-260-10.
 - (vi) Transporters storing manifested shipments of hazardous waste in containers meeting the requirements of section 11-262-30 at a transfer facility for a period of ten days or less.
 - (vii) Persons adding absorbent material to waste in a container (as defined in section 11-260-10) and persons adding waste to absorbent material in a container, provided that these actions occur at the time waste is first placed in the container;

- and subsection 11-264-17(b), and sections 11-264-171 and 11-264-172 are complied with.
- (viii) Universal waste handlers and universal waste transporters (as defined in section 11-260-10) managing the wastes listed below. These handlers are subject to regulation under chapter 11-273.
 - (A) Batteries as described in section 11-273-2;
 - (B) Pesticides as described in section 11-273-3; and
 - (C) Thermostats as described in section 11-273-4.
- (3) Further exclusions.
- (i) A person is not required to obtain a hazardous waste management permit for treatment or containment activities taken during immediate response to any of the following situations:
 - (A) A discharge of a hazardous waste;
 - (B) An imminent and substantial threat of a discharge of hazardous waste;
 - (C) A discharge of a material which, when discharged, becomes a hazardous waste;
 - (D) An immediate threat to human health, public safety, property, or the environment from the known or suspected presence of military munitions, other explosive material, or an explosive device, as determined by an explosive or munitions emergency response specialist as defined in section 11-260-10.
 - (ii) Any person who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of this chapter for those activities.
 - (iii) In the case of emergency responses involving military munitions, the responding military emergency response specialist's organizational unit must retain records for three years identifying the dates of the response, the responsible persons responding, the type and description of material addressed, and its disposition.
- (4) Permits for less than an entire facility. The department may issue or deny a permit for one or more units at a facility without simultaneously issuing or denying a permit to all of the units at the facility. The interim status of any unit for which a permit has not been issued or denied is not affected by the issuance or denial of a permit to any other unit at the facility.
- (5) Closure by removal. Owners/operators of surface impoundments, land treatment units, and waste piles

closing by removal or decontamination under chapter 11-265 standards must obtain a post-closure permit unless they can demonstrate to the director that the closure met the standards for closure by removal or decontamination in section 11-264-228, subsection 11-264-280(e), or section 11-264-258, respectively. The demonstration may be made in the following ways:

- (i) If the owner/operator has submitted a Part B application for a post-closure permit, the owner/operator may request a determination, based on information contained in the application, that chapter 11-264 closure by removal standards were met. If the director believes that chapter 11-264 standards were met, he/she will notify the public of this proposed decision, allow for public comment, and reach a final determination according to the procedures in paragraph (c)(6) of this section.
 - (ii) If the owner/operator has not submitted a Part B application for a post-closure permit, the owner/operator may petition the director for a determination that a post-closure permit is not required because the closure met the applicable chapter 11-264 closure standards.
 - (A) The petition must include data demonstrating that closure by removal or decontamination standards were met.
 - (B) The director shall approve or deny the petition according to the procedures outlined in paragraph (c)(6).
- (6) Procedures for closure equivalency determination.
- (i) If a facility owner/operator seeks an equivalency demonstration under paragraph 11-270-1(c)(5), the director will provide the public, through a newspaper notice, the opportunity to submit written comments on the information submitted by the owner/operator within thirty days from the date of the notice. The director will also, in response to a request or at his/her own discretion, hold a public hearing whenever such a hearing might clarify one or more issues concerning the equivalence of the chapter 11-265 closure to a chapter 11-264 closure. The director will give public notice of the hearing at least thirty days before it occurs. (Public notice of the hearing may be given at the same time as notice of the opportunity for the public to submit written comments, and the two notices may be combined.)
 - (ii) The director will determine whether the chapter

11-265 closure met chapter 11-264 closure by removal or decontamination requirements within ninety days of its receipt. If the director finds that the closure did not meet the applicable chapter 11-264 standards, he/she will provide the owner/operator with a written statement of the reasons why the closure failed to meet chapter 11-264 standards. The owner/operator may submit additional information in support of an equivalency demonstration within thirty days after receiving such written statement. The director will review any additional information submitted and make a final determination within sixty days.

(iii) If the director determines that the facility did not close in accordance with chapter 11-264 closure by removal standards, the facility is subject to post-closure permitting requirements.

(d) All references in tables and appendices to provisions of the code of federal regulations shall be construed to mean the State rule analogue of the referenced federal regulation (for example, 40 CFR 260.1 shall be construed to mean section 11-260-1 of the Hawaii Administrative Rules). [Eff 6/18/94; am 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.1)

§11-270-2 Definitions. The following definitions apply to chapters 11-270 and 11-271. Terms not defined in this section have the meaning given by HRS chapter 342J and chapter 11-260 of the Hawaii Administrative Rules.

"Administrator" means the Administrator of the United States Environmental Protection Agency, or an authorized representative.

"Any state" means any of the fifty states, the District of Columbia, Guam, the Commonwealth of Puerto Rico, the Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands.

"Application" means the EPA standard national forms for applying for a permit (see Appendix I). Application also includes the information required by the director under sections 11-270-14 through 11-270-29 (contents of Part B of the hazardous waste management permit application).

"Aquifer" means a geological formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring.

"Closure" means the act of securing a Hazardous Waste Management facility pursuant to the requirements of chapter 11-264.

"Component" means any constituent part of a unit or any group of constituent parts of a unit which are assembled to perform a specific function (e.g., a pump seal, pump, kiln liner,

kiln thermocouple).

"Corrective action management unit" or "CAMU" means an area within a facility that is designated by the director under chapter 11-264 subchapter S, for the purpose of implementing corrective action requirements under section 11-264-101 and HRS section 342J-36. A CAMU shall only be used for the management of remediation wastes pursuant to implementing such corrective action requirements at the facility.

"CWA" means the federal Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act amendments of 1972) Pub. L. 92-500, as amended by Pub. L. 92-217 and Pub. L. 95-576; 33 U.S.C. 1251 et seq.

"Director" means the director of the department of health.

"Disposal" means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any hazardous waste into or on any land or water so that such hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including ground water.

"Disposal facility" means a facility or part of a facility at which hazardous waste is intentionally placed into or on the land or water, and at which hazardous waste will remain after closure. The term disposal facility does not include a corrective action management unit into which remediation wastes are placed.

"Draft permit" means a document prepared under section 11-271-6 indicating the director's tentative decision to issue or deny, modify, revoke and reissue, terminate, or reissue a permit. A notice of intent to terminate a permit, and a notice of intent to deny a permit, as discussed in section 11-271-5, are types of draft permits. A denial of a request for modification, revocation and reissuance, or termination, as discussed in section 11-271-5 is not a "draft permit." A proposed permit is not a draft permit.

"Elementary neutralization unit" means a device which:

(a) Is used for neutralizing wastes only because they exhibit the corrosivity characteristic defined in section 11-261-22, or are listed in subchapter D of chapter 11-261 only for this reason; and

(b) Meets the definition of tank, tank system, container, transport vehicle, or vessel in section 11-260-10.

"Emergency permit" means a hazardous waste management permit issued in accordance with section 11-270-61.

"Environmental Protection Agency (EPA)" means the United States Environmental Protection Agency.

"EPA" means the United States Environmental Protection Agency.

"Existing hazardous waste management facility" or "existing facility" means a facility which:

was in operation or for which construction commenced on or before November 19, 1980, or

was in operation or for which construction commenced on or before the effective date of statutory or rule changes under RCRA that were made prior to the effective date of the first rules adopted under HRS chapter 342J, and that rendered the facility subject to the requirement to have a RCRA permit, or

is in operation or for which construction has begun on or before the effective date of statutory or rule changes under HRS chapter 342J that are made after the effective date of the first rules adopted under HRS chapter 342J and that render the facility subject to the requirement to have a permit under HRS section 342J-30.

A facility has commenced construction if:

- (a) The owner or operator has obtained the federal, State and County approvals or permits necessary to begin physical construction; and either
- (b) (1) A continuous on-site, physical construction program has begun; or
- (2) The owner or operator has entered into contractual obligations which cannot be cancelled or modified without substantial loss - for physical construction of the facility to be completed within a reasonable time.

"Facility mailing list" means the mailing list for a facility maintained by the department in accordance with section 11-271-10(c)(1)(ix).

"Facility or activity" means any HWM facility or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under HRS chapter 342J and the rules adopted thereunder.

"Federal, State and County approvals or permits necessary to begin physical construction" means permits and approvals required under Federal, State, or County hazardous waste control statutes, regulations, rules or ordinances.

"Functionally equivalent component" means a component which performs the same function or measurement and which meets or exceeds the performance specifications of another component.

"Generator" means any person, by site location, whose act, or process produces "hazardous waste" identified or listed in chapter 11-261.

"Ground water" means water below the land surface in a zone of saturation.

"HWM facility" means a hazardous waste management facility.

"Hazardous waste" means a hazardous waste as defined in section 11-261-3.

"Hazardous waste management facility" or "HWM facility" means all contiguous land, and structures, other appurtenances, and improvements on the land, used for treating, storing, or disposing of hazardous waste. A facility may consist of several treatment, storage, or disposal operational units (for example,

one or more landfills, surface impoundments, or combinations of them).

"Hazardous waste management permit" means a permit required under HRS section 342J-30(a).

"Injection well" means a well into which fluids are being injected.

"In operation" means a facility which is treating, storing, or disposing of hazardous waste.

"Major facility" means any facility or activity classified as such by the Regional Administrator in conjunction with the director.

"Manifest" means the shipping document originated and signed by the generator which contains the information required by subchapter B of chapter 11-262.

"National Pollutant Discharge Elimination System" means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the federal CWA. The term includes an approved program.

"NPDES" means National Pollutant Discharge Elimination System.

"New HWM facility" means a hazardous waste management facility which began operation or for which construction commenced after November 19, 1980, and which is not included in the definition of "existing facility". (See also "existing hazardous waste management facility").

"Off-site" means any site which is not on-site.

"On-site" means on the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Non-contiguous properties owned by the same person but connected by a right-of-way which the person controls and to which the public does not have access, is also considered on-site property.

"Owner or operator" means the owner or operator of any facility or activity subject to regulation under HRS chapter 342J and the rules adopted thereunder.

"Permit" means an authorization, license, or equivalent control document issued by EPA or the State to implement the requirements of 40 CFR Parts 270, 271 and 124 or chapters 11-270 and 11-271. Permit includes permit by rule (section 11-270-60), and emergency permit (section 11-270-61). Permit does not include hazardous waste management interim status (subchapter G of this chapter), or any permit which has not yet been the subject of final EPA or department action, such as a draft permit or a proposed permit.

"Permit-by-rule" means a provision of these regulations stating that a facility or activity is deemed to have a hazardous

waste management permit if it meets the requirements of the provision.

"Person" means any individual, partnership, firm, joint stock company, association, public or private corporation, federal agency, the State or any of its political subdivisions, any state and any of its political subdivisions, trust, estate, interstate body, or any other legal entity, or an agent or employee thereof.

"Physical construction" means excavation, movement of earth, erection of forms or structures, or similar activity to prepare an HWM facility to accept hazardous waste.

"POTW" means publicly owned treatment works.

"Publicly owned treatment works" means any device or system used in the treatment (including recycling and reclamation) of municipal sewage or industrial wastes of a liquid nature which is owned by the State or a county. This definition includes sewers, pipes, or other conveyances only if they convey wastewater to a POTW providing treatment.

"RCRA" means the federal Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976, as amended by the Hazard and Solid Waste Amendments of 1984 (Pub. L. 94-580, as amended by Pub. L. 95-609 and Pub. L. 96-482, 42 U.S.C. 6901 et seq. (1984)).

"Regional Administrator" means the Regional Administrator of the appropriate Regional Office of the Environmental Protection Agency or the authorized representative of the Regional Administrator.

"SIC code" means standard industrial classification code.

"Schedule of compliance" means a schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (for example, actions, operations, or milestone events) leading to compliance with HRS chapter 342J and the rules adopted thereunder.

"SDWA" means the federal Safe Drinking Water Act (Pub. L. 95-523, as amended by Pub. L. 95-1900; 42 U.S.C. 3001 et seq.).

"Site" means the land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity.

"State" means the State of Hawaii.

"State/EPA Agreement" means an agreement between the Regional Administrator and the State which coordinates EPA and State activities, responsibilities and programs.

"Storage" means the holding of hazardous waste for a temporary period, at the end of which the hazardous waste is treated, disposed, or stored elsewhere.

"Transfer facility" means any transportation-related facility including loading docks, parking areas, storage areas and other similar areas where shipments of hazardous waste are held during the normal course of transportation.

"Transporter" means a person engaged in the off-site

transportation of hazardous waste by air, rail, highway or water.

"Treatment" means any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such wastes, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume.

"UIC" means the Underground Injection Control Program under Part C of the federal Safe Drinking Water Act, including an approved program.

"Underground injection" means a well injection.

"Underground source of drinking water" or "USDW" means an aquifer or its portion:

- (a) (1) Which supplies any public water system; or
- (2) Which contains a sufficient quantity of ground water to supply a public water system; and
 - (i) Currently supplies drinking water for human consumption; or
 - (ii) Contains fewer than ten-thousand mg/l total dissolved solids; and
- (b) Which is not an exempted aquifer.

"USDW" means underground source of drinking water.

"Wastewater treatment unit" means a device which:

- (a) Is part of a wastewater treatment facility which is subject to regulation under either section 402 or 307(b) of the federal Clean Water Act; and
- (b) Receives and treats or stores an influent wastewater which is a hazardous waste as defined in section 11-261-3, or generates and accumulates a wastewater treatment sludge which is a hazardous waste as defined in section 11-261-3, or treats or stores a wastewater treatment sludge which is a hazardous waste as defined in section 11-261-3; and
- (c) Meets the definition of tank or tank system in section 11-260-10. [Eff 3/18/94; 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.2)

§11-270-3 [Reserved]

§11-270-4 Effect of a permit. (a) Compliance with a hazardous waste management permit during its term constitutes compliance, for purposes of enforcement, with chapter 342J, HRS and the rules adopted thereunder except for those requirements not included in the permit which:

- (1) Become effective by statute;
- (2) Are promulgated under chapter 11-268 restricting the placement of hazardous wastes in or on the land;

§11-270-4

- (3) Are promulgated under chapter 11-264 regarding leak detection systems for new and replacement surface impoundment, waste pile, and landfill units, and lateral expansions of surface impoundment, waste pile, and landfill units. The leak detection system requirements include double liners, CQA programs, monitoring, action leakage rates, and response action plans, and will be implemented through the procedures of section 11-270-42 Class 1 permit modifications; or
- (4) Are promulgated under chapter 11-265, subchapter AA, BB, or CC limiting air emissions.
- (b) The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege.
- (c) The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law, regulations, or ordinances. [Eff 3/18/94; am 3/13/99; comp **SEP 20 1999**]
(Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.4)

§11-270-5 [Reserved]

§11-270-6 References. (a) When used in chapter 11-270, the following publications are incorporated by reference: (See section 11-260-11 References)

(b) The references listed in subsection (a) are also available for inspection at the Office of the Federal Register, 1100 L Street, NW., Washington, DC 20408. These materials are incorporated as they exist on the effective date of this section. [Eff 3/18/94; am 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.6)

SUBCHAPTER B

PERMIT APPLICATION

§11-270-10 General application requirements. (a) Permit application. Any person who is required to have a permit (including new applicants and permittees with expiring permits) shall complete, sign, and submit an application to the director as described in this section and sections 11-270-70 through 11-270-73. Persons currently authorized with interim status shall apply for permits when required by the director. Persons covered by hazardous waste management permits by rule (section 11-270-60), need not apply. Procedures for applications, issuance and administration of emergency permits are found exclusively in section 11-270-61. Procedures for application, issuance and administration of research, development, and demonstration

permits are found exclusively in section 11-270-65.

(b) Who applies? When a facility or activity 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.

(c) Completeness. The director shall not issue a permit before receiving a complete application for a permit except for permits by rule, or emergency permits. An application for a permit is complete when the director receives an application form and any supplemental information which are completed to his satisfaction. An application for a permit is complete notwithstanding the failure of the owner or operator to submit the exposure information described in subsection (j). The director may deny a permit for the active life of a hazardous waste management facility or unit before receiving a complete application for a permit.

(d) Information requirements. All applicants for hazardous waste management permits shall provide information set forth in section 11-270-13 and applicable provisions in sections 11-270-14 through 11-270-29 to the director, using the application form provided by the director.

(e) Existing HWM facilities and interim status qualifications.

- (1) Owners and operators of existing hazardous waste management facilities must submit Part A of their permit application no later than:
 - (i) [Reserved]
 - (ii) Thirty days after the date they first become subject to the standards set forth in chapter 11-265 or 11-266.
 - (iii) For generators generating greater than one-hundred kilograms but less than one-thousand kilograms of hazardous waste in a calendar month and treats, stores, or disposes of these wastes on-site, by the effective date of this subchapter.
- (2) [Reserved]
- (3) The director may by compliance order issued under section 342J-7, HRS extend the date by which the owner and operator of an existing hazardous waste management facility must submit Part A of their permit application.
- (4) The owner or operator of an existing HWM facility may be required to submit Part B of their permit application. Any owner or operator shall be allowed at least six months from the date of request to submit Part B of the application. Any owner or operator of an existing HWM facility may voluntarily submit Part B of the application at any time. Notwithstanding the above, any owner or operator of an existing HWM facility must submit a Part B permit application in accordance with

the dates specified in section 11-270-73. Any owner or operator of a land disposal facility in existence on the effective date of statutory or rule amendments under chapter 342J, HRS that render the facility subject to the requirement to have a hazardous waste management permit must submit a Part B application in accordance with the dates specified in section 11-270-73.

- (5) Failure to furnish a requested Part B application on time, or to furnish in full the information required by the Part B application, is grounds for termination of interim status.
- (f) New HWM facilities.
 - (1) Except as provided in paragraph (f)(3), no person shall begin physical construction of a new HWM facility without having submitted Parts A and B of the permit application and having received a finally effective hazardous waste management permit.
 - (2) An application for a permit for a new HWM facility (including both Parts A and B) may be filed any time after promulgation of those standards in subchapter I et seq. of chapter 11-264 applicable to such facility. The application shall be filed with the director. Except as provided in paragraph (f)(3) of this section, all applications must be submitted at least one-hundred and eighty days before physical construction is expected to commence.
 - (3) Notwithstanding paragraph (f)(1) of this section, a person may construct a facility for the incineration of polychlorinated biphenyls pursuant to an approval issued by the Administrator under section (6)(e) of the federal Toxic Substances Control Act and any person owning or operating such a facility may, at any time after construction or operation of such facility has begun, file an application for a hazardous waste management permit to incinerate hazardous waste authorizing such facility to incinerate waste identified or listed under HRS chapter 342J.
- (g) Updating permit applications.
 - (1) If any owner or operator of a HWM facility has filed Part A of a permit application and has not yet filed Part B, the owner or operator shall file an amended Part A application:
 - (i) [Reserved]
 - (ii) With the director, no later than the effective date of amendments to provisions in chapter 11-261 listing or designating wastes as hazardous, if the facility is treating, storing, or disposing of any of those newly listed or designated wastes; or

- (iii) As necessary to comply with provisions of section 11-270-72 for changes during interim status. Revised Part A applications necessary to comply with the provisions of section 11-270-72 shall be filed with the director.
- (2) The owner or operator of a facility who fails to comply with the updating requirements of paragraph (g)(1) of this section does not receive interim status as to the wastes not covered by duly filed Part A applications.
- (h) Reapplications. Any HWM facility with an effective permit shall submit a new application at least one-hundred and eighty days before the expiration date of the effective permit, unless permission for a later date has been granted by the director. (The director shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
 - (i) Recordkeeping. Applicants shall keep records of all data used to complete permit applications and any supplemental information submitted under subsection 11-270-10(d), sections 11-270-13, and 11-270-14 through 11-270-21 for a period of at least three years from the date the application is signed.
 - (j) Exposure information.
 - (1) Any Part B permit application submitted by an owner or operator of a facility that stores, treats, or disposes of hazardous waste in a surface impoundment or a landfill must be accompanied by information, reasonably ascertainable by the owner or operator, on the potential for the public to be exposed to hazardous wastes or hazardous constituents through releases related to the unit. At a minimum, such information must address:
 - (i) Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit;
 - (ii) The potential pathways of human exposure to hazardous wastes or constituents resulting from the releases described under subparagraph (j)(1)(i); and
 - (iii) The potential magnitude and nature of the human exposure resulting from such releases.
 - (2) Owners and operators of a landfill or a surface impoundment who have a RCRA permit or have already submitted a Part B application to EPA must submit the exposure information required in paragraph (j)(1) to the department, by the effective date of this rule, if they have not previously submitted this information to EPA.
 - (k) The director may require a permittee or an applicant to submit information in order to establish permit conditions under

§11-270-10

paragraph 11-270-32(b)(2) and subsection 11-270-50(d). [Eff 6/18/94; am 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.10)

§11-270-11 Signatories to permit applications and reports.

(a) Applications. All permit applications shall be signed as follows:

(1) For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decisionmaking functions for the corporation, or

(ii) The manager of one or more manufacturing, production or operating facilities employing more than two-hundred and fifty persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship; by a general partner or the proprietor, respectively; or

(3) For a municipality, County, State, or federal agency or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes:

(i) The chief executive officer of the agency, or

(ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

(b) Reports. All reports required by permits and other information requested by the director shall be signed by a person described in subsection (a), or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in subsection (a);

(2) The authorization specifies either an individual or a position having responsibility for overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual

occupying a named position); and

(3) The written authorization is submitted to the director.

(c) Changes to authorization. If an authorization under subsection (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of subsection (b) must be submitted to the director prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d) Certification. Any person signing a document under subsection (a) or (b) shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [Eff 6/18/94; comp SEP 20 1999]
(Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.11)

§11-270-12 Confidentiality of information. (a) In accordance with chapter 11-280, any information submitted to the department pursuant to these rules may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner described in the instructions, or, if there are no instructions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the department may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with chapter 11-280.

(b) Claims of confidentiality for the name and address of any permit applicant or permittee will be denied. [Eff 6/18/94; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-14, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.12)

§11-270-13 Contents of Part A of the permit application. Part A of the hazardous waste management permit application shall include the following information:

(a) The activities conducted by the applicant which require it to obtain a permit under HRS chapter 342J.

(b) Name, mailing address, and location, including latitude and longitude of the facility for which the application is submitted.

(c) Up to four SIC codes which best reflect the principal products or services provided by the facility.

(d) The operator's name, address, telephone number, ownership status, and status as federal, state, private, public, or other entity.

(e) The name, address, and phone number of the owner of the facility.

(f) [Reserved]

(g) An indication of whether the facility is new or existing and whether it is a first or revised application.

(h) For existing facilities, (1) a scale drawing of the facility showing the location of all past, present, and future treatment, storage, and disposal areas; and (2) photographs of the facility clearly delineating all existing structures; existing treatment, storage, and disposal areas; and sites of future treatment, storage, and disposal areas.

(i) A description of the processes to be used for treating, storing, and disposing of hazardous waste, and the design capacity of these items.

(j) A specification of the hazardous wastes listed or designated under chapter 11-261 to be treated, stored, or disposed of at the facility, an estimate of the quantity of such wastes to be treated, stored, or disposed annually, and a general description of the processes to be used for such wastes.

(k) A listing of all permits or construction approvals received or applied for under any of the following programs:

- (1) Hazardous waste management program under the federal RCRA or HRS chapter 342J.
- (2) UIC program under the federal SWDA or equivalent State program.
- (3) NPDES program under the federal CWA or equivalent State program.
- (4) Prevention of significant deterioration (PSD) program under the federal Clean Air Act or equivalent State program.
- (5) Nonattainment program under the federal Clean Air Act or equivalent State program.
- (6) National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the federal Clean Air Act or equivalent State program.
- (7) Ocean dumping permits under the federal Marine Protection Research and Sanctuaries Act or equivalent State program.
- (8) Dredge or fill permits under section 404 of the federal CWA or equivalent State program.
- (9) Other relevant environmental permits, including federal and State permits.

(1) A topographic map (or other map if a topographic map is unavailable) extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and

discharge structures; each of its hazardous waste treatment, storage, or disposal facilities; each well where fluids from the facility are injected underground; and those wells, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within .25 mile of the facility property boundary.

(m) A brief description of the nature of the business.

(n) For hazardous debris, a description of the debris category(ies) and contaminant category(ies) to be treated, stored, or disposed of at the facility. [Eff 6/18/94; comp
SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.13)

§11-270-14 Contents of Part B: General requirements.

(a) Part B of the permit application consists of the general information requirements of this section, and the specific information requirements in sections 11-270-14 through 11-270-29 applicable to the facility. The Part B information requirements presented in sections 11-270-14 through 11-270-29 reflect the standards promulgated in chapter 11-264. These information requirements are necessary in order for the department to determine compliance with the chapter 11-264 standards. If owners and operators of HWM facilities can demonstrate that the information prescribed in Part B can not be provided to the extent required, the director may make allowance for submission of such information on a case-by-case basis. Information required in Part B shall be submitted to the director and signed in accordance with requirements in section 11-270-11. Certain technical data, such as design drawings and specifications, and engineering studies shall be certified by a registered professional engineer.

(b) General information requirements. The following information is required for all HWM facilities, except as section 11-264-1 provides otherwise:

- (1) A general description of the facility.
- (2) Chemical and physical analyses of the hazardous waste and hazardous debris to be handled at the facility. At a minimum, these analyses shall contain all the information which must be known to treat, store, or dispose of the wastes properly in accordance with chapter 11-264.
- (3) A copy of the waste analysis plan required by subsection 11-264-13(b) and, if applicable subsection 11-264-13(c).
- (4) A description of the security procedures and equipment required by section 11-264-14, or a justification demonstrating the reasons for requesting a waiver of this requirement.
- (5) A copy of the general inspection schedule required by

- subsection 11-264-15(b). Include, where applicable, as part of the inspection schedule, specific requirements in section 11-264-174, subsection 11-264-193(i), sections 11-264-195, 11-264-226, 11-264-254, 11-264-273, 11-264-303, 11-264-602, 11-264-1033, 11-264-1052, 11-264-1053, 11-264-1058, 11-264-1084, 11-264-1085, 11-264-1086, and 11-264-1088.
- (6) A justification of any request for a waiver(s) of the preparedness and prevention requirements of chapter 11-264, subchapter C.
 - (7) A copy of the contingency plan required by chapter 11-264, subchapter D. Note: Include, where applicable, as part of the contingency plan, specific requirements in sections 11-264-227, 11-264-255, and 11-264-200.
 - (8) A description of procedures, structures, or equipment used at the facility to:
 - (i) Prevent hazards in unloading operations (for example, ramps, special forklifts);
 - (ii) Prevent runoff from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (for example, berms, dikes, trenches);
 - (iii) Prevent contamination of water supplies;
 - (iv) Mitigate effects of equipment failure and power outages;
 - (v) Prevent undue exposure of personnel to hazardous waste (for example, protective clothing); and
 - (vi) Prevent releases to atmosphere.
 - (9) A description of precautions to prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes as required to demonstrate compliance with section 11-264-17 including documentation demonstrating compliance with subsection 11-264-17(c).
 - (10) Traffic pattern, estimated volume (number, types of vehicles) and control (for example, show turns across traffic lanes, and stacking lanes (if appropriate); describe access road surfacing and load bearing capacity; show traffic control signals).
 - (11) Facility location information;
 - (i) In order to determine the applicability of the seismic standard the owner or operator of a new facility must identify the political jurisdiction (e.g., county, township, or election district) in which the facility is proposed to be located.
 - (ii) If the facility is proposed to be located on the Island of Hawaii, the owner or operator shall demonstrate compliance with the seismic standard. This demonstration may be made using either published geologic data or data obtained from

field investigations carried out by the applicant. The information provided must be of such quality to be acceptable to geologists experienced in identifying and evaluating seismic activity. The information submitted must show that either:

- (A) No faults which have had displacement in Holocene time are present, or no lineations which suggest the presence of a fault (which have displacement in Holocene time) within three-thousand feet of a facility are present, based on data from:
- (1) Published geologic studies,
 - (2) Aerial reconnaissance of the area within a five-mile radius from the facility.
 - (3) An analysis of aerial photographs covering a three-thousand foot radius of the facility, and
 - (4) If needed to clarify the above data, a reconnaissance based on walking portions of the area within three-thousand feet of the facility, or
- (B) If faults (to include lineations) which have had displacement in Holocene time are present within three-thousand feet of a facility, no faults pass within two-hundred feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted, based on data from a comprehensive geologic analysis of the site. Unless a site analysis is otherwise conclusive concerning the absence of faults within two-hundred feet of such portions of the facility data shall be obtained from a subsurface exploration (trenching) of the area within a distance no less than two-hundred feet from portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. Such trenching shall be performed in a direction that is perpendicular to known faults (which have had displacement in Holocene time) passing within three-thousand feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. Such investigation shall document with supporting maps and other analyses, the location of faults found.
- (iii) Owners and operators of all facilities shall provide an identification of whether the facility is located within a one-hundred year floodplain.

This identification must indicate the source of data for such determination and include a copy of the relevant Federal Insurance Administration (FIA) flood map, if used, or the calculations and maps used where an FIA map is not available. Information shall also be provided identifying the one-hundred year flood level and any other special flooding factors (e.g., wave action) which must be considered in designing, constructing, operating, or maintaining the facility to withstand washout from a one-hundred year flood.

Where maps for the National Flood Insurance Program produced by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency are available, they will normally be determinative of whether a facility is located within or outside of the 100-year flood-plain. However, where the FIA map excludes an area (usually areas of the flood-plain less than 200 feet in width), these areas must be considered and a determination made as to whether they are in the 100-year floodplain. Where FIA maps are not available for a proposed facility location, the owner or operator must use equivalent mapping techniques to determine whether the facility is within the 100-year floodplain, and if so located, what the 100-year flood elevation would be.

- (iv) Owners and operators of facilities located in the one-hundred year floodplain must provide the following information:
 - (A) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as consequence of a one-hundred year flood.
 - (B) Structural or other engineering studies showing the design of operational units (e.g., tanks, incinerators) and flood protection devices (e.g., floodwalls, dikes) at the facility and how these will prevent washout.
 - (C) If applicable, and in lieu of clauses (b) (11) (iv) (A) and (b) (11) (iv) (B), a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:
 - (1) Timing of such movement relative to flood levels, including estimated time to move the waste, to show that such

- movement can be completed before floodwaters reach the facility.
- (2) A description of the location(s) to which the waste will be moved and demonstration that those facilities will be eligible to receive hazardous waste in accordance with the rules under chapters 11-270, 11-271, and 11-264 through 11-266.
 - (3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use.
 - (4) The potential for accidental discharges of the waste during movement.
 - (v) Existing facilities NOT in compliance with subsection 11-264-18(b) shall provide a plan showing how the facility will be brought into compliance and a schedule for compliance.
- (12) An outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the HWM facility in a safe manner as required to demonstrate compliance with section 11-264-16. A brief description of how training will be designed to meet actual job tasks in accordance with requirements in paragraph 11-264-16(a)(3).
 - (13) A copy of the closure plan and, where applicable, the post-closure plan required by sections 11-264-112, 11-264-118, and 11-264-197. Include, where applicable, as part of the plans, specific requirements in sections 11-264-178, 11-264-197, 11-264-228, 11-264-258, 11-264-280, 11-264-310, 11-264-351, 11-264-601, and 11-264-603.
 - (14) For hazardous waste disposal units that have been closed, documentation that notices required under section 11-264-119 have been filed.
 - (15) The most recent closure cost estimate for the facility prepared in accordance with section 11-264-142 and a copy of the documentation required to demonstrate financial assurance under section 11-264-143. For a new facility, a copy of the required documentation may be submitted sixty days prior to the initial receipt of hazardous wastes, if that is later than the submission of the Part B.
 - (16) Where applicable, the most recent post-closure cost estimate for the facility prepared in accordance with section 11-264-144 plus a copy of the documentation required to demonstrate financial assurance under section 11-264-145. For a new facility, a copy of the required documentation may be submitted sixty days

- prior to the initial receipt of hazardous wastes, if that is later than the submission of the Part B.
- (17) Where applicable, a copy of the insurance policy or other documentation which comprises compliance with the requirements of section 11-264-147. For a new facility, documentation showing the amount of insurance meeting the specification of subsection 11-264-147(a) and, if applicable, subsection 11-264-147(b), that the owner or operator plans to have in effect before initial receipt of hazardous waste for treatment, storage, or disposal. A request for a variance in the amount of required coverage, for a new or existing facility, may be submitted as specified in subsection 11-264-147(c).
 - (18) [Reserved]
 - (19) A topographic map showing a distance of one-thousand feet around the facility at a scale of 2.5 centimeters (1 inch) equal to not more than 61.0 meters (200 feet). Contours must be shown on the map. The contour interval must be sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility. For example, contours with an interval of 1.5 meters (5 feet), if relief is greater than 6.1 meters (20 feet), or an interval of 0.6 meters (2 feet), if relief is less than 6.1 meters (20 feet). Owners and operators of HWM facilities located in mountainous areas should use large contour intervals to adequately show topographic profiles of facilities. The map shall clearly show the following:
 - (i) Map scale and date.
 - (ii) One-hundred year floodplain area.
 - (iii) Surface waters including intermittent streams.
 - (iv) Surrounding land uses (residential, commercial, agricultural, recreational).
 - (v) A wind rose (i.e., prevailing wind-speed and direction).
 - (vi) Orientation of the map (north arrow).
 - (vii) Legal boundaries of the HWM facility site.
 - (viii) Access control (fences, gates).
 - (ix) Injection and withdrawal wells both on-site and off-site.
 - (x) Buildings; treatment, storage, or disposal operations; or other structure (recreation areas, runoff control systems, access and internal roads, storm, sanitary, and process sewerage systems, loading and unloading areas, fire control facilities, etc.).
 - (xi) Barriers for drainage or flood control.
 - (xii) Location of operational units within the HWM facility site, where hazardous waste is (or will be) treated, stored, or disposed (include

equipment cleanup areas).

For large HWM facilities the department will allow the use of other scales on a case-by-case basis.

- (20) Applicants may be required to submit such information as may be necessary to enable the director to carry out his or her duties under other State laws or applicable federal laws.
- (21) For land disposal facilities, if a case-by-case extension has been approved under section 11-268-5 or a petition has been approved under section 11-268-6, a copy of the notice of approval for the extension or petition is required.
- (22) A summary of the pre-application meeting, along with a list of attendees and their addresses, and copies of any written comments or materials submitted at the meeting, as required under section 11-271-31(c).

(c) Additional information requirements. The following additional information regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing a regulated unit except as provided in subsection 11-264-90(b):

- (1) A summary of the ground-water monitoring data obtained during the interim status period under sections 11-265-90 through 11-265-94, where applicable.
- (2) Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including ground-water flow direction and rate, and the basis for such identification (i.e., the information obtained from hydrogeologic investigations of the facility area).
- (3) On the topographic map required under paragraph (b)(19), a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined under section 11-264-95, the proposed location of ground-water monitoring wells as required under section 11-264-97, and, to the extent possible, the information required in paragraph (c)(2) of this section.
- (4) A description of any plume of contamination that has entered the ground water from a regulated unit at the time that the application was submitted that:
 - (i) Delineates the extent of the plume on the topographic map required under paragraph (b)(19);
 - (ii) Identifies the concentration of each Appendix IX, of chapter 11-264, constituent throughout the plume or identifies the maximum concentrations of each Appendix IX constituent in the plume.
- (5) Detailed plans and an engineering report describing the proposed ground water monitoring program to be implemented to meet the requirements of section 11-264-

97.

- (6) If the presence of hazardous constituents has not been detected in the ground water at the time of permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a detection monitoring program which meets the requirements of section 11-264-98. This submission must address the following items specified under section 11-264-98:
- (i) A proposed list of indicator parameters, waste constituents, or reaction products that can provide a reliable indication of the presence of hazardous constituents in the ground water;
 - (ii) A proposed ground-water monitoring system;
 - (iii) Background values for each proposed monitoring parameter or constituent, or procedures to calculate such values; and
 - (iv) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating ground-water monitoring data.
- (7) If the presence of hazardous constituents has been detected in the ground water at the point of compliance at the time of the permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a compliance monitoring program which meets the requirements of section 11-264-99. Except as provided in paragraph 11-264-98(h)(5), the owner or operator must also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of section 11-264-100, unless the owner or operator obtains written authorization in advance from the director to submit a proposed permit schedule for submittal of such a plan. To demonstrate compliance with section 11-264-99, the owner or operator must address the following items:
- (i) A description of the wastes previously handled at the facility;
 - (ii) A characterization of the contaminated ground water, including concentrations of hazardous constituents;
 - (iii) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with sections 11-264-97 and 11-264-99;
 - (iv) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in subsection 11-264-94(a), including a justification for establishing any alternate concentration limits;
 - (v) Detailed plans and an engineering report describing the proposed ground-water monitoring

system, in accordance with the requirements of section 11-264-97; and

- (vi) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating ground-water monitoring data.
- (8) If hazardous constituents have been measured in the ground water which exceed the concentration limits established under section 11-264-94 Table 1, or if ground water monitoring conducted at the time of permit application under sections 11-265-90 through 11-265-94 at the waste boundary indicates the presence of hazardous constituents from the facility in ground water over background concentrations, the owner or operator must submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of section 11-264-100. However, an owner or operator is not required to submit information to establish a corrective action program if he demonstrates to the director that alternate concentration limits will protect human health and the environment after considering the criteria listed in subsection 11-264-94(b). An owner or operator who is not required to establish a corrective action program for this reason must instead submit sufficient information to establish a compliance monitoring program which meets the requirements of section 11-264-99 and paragraph (c)(6) of this section. To demonstrate compliance with section 11-264-100, the owner or operator must address, at a minimum, the following items:
- (i) A characterization of the contaminated ground water, including concentrations of hazardous constituents;
 - (ii) The concentration limit for each hazardous constituent found in the ground water as set forth in section 11-264-94;
 - (iii) Detailed plans and an engineering report describing the corrective action to be taken; and
 - (iv) A description of how the ground-water monitoring program will demonstrate the adequacy of the corrective action.
 - (v) The permit may contain a schedule for submittal of the information required in paragraphs (c)(8)(iii) and (c)(8)(iv) provided the owner or operator obtains written authorization from the director prior to submittal of the complete permit application.
- (d) Information requirements for solid waste management units.
- (1) The following information is required for each solid

- waste management unit at a facility seeking a permit:
- (i) The location of the unit on the topographic map required under paragraph (b)(19).
 - (ii) Designation of type of unit.
 - (iii) General dimensions and structural description (supply any available drawings).
 - (iv) When the unit was operated.
 - (v) Specification of all wastes that have been managed at the unit, to the extent available.
- (2) The owner or operator of any facility containing one or more solid waste management units must submit all available information pertaining to any release of hazardous wastes or hazardous constituents from such unit or units.
 - (3) The owner/operator must conduct and provide the results of sampling and analysis of groundwater, landsurface, and subsurface strata, surface water, or air, which may include the installation of wells, where the director ascertains it is necessary to complete a RCRA Facility Assessment (RFA) that will determine if a more complete investigation is necessary. [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.14)

§11-270-15 Specific Part B information requirements for containers. Except as otherwise provided in section 11-264-170, owners or operators of facilities that store containers of hazardous waste must provide the following additional information:

- (a) A description of the containment system to demonstrate compliance with section 11-264-175. Show at least the following:
 - (1) Basic design parameters, dimensions, and materials of construction.
 - (2) How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system.
 - (3) Capacity of the containment system relative to the number and volume of containers to be stored.
 - (4) Provisions for preventing or managing run-on.
 - (5) How accumulated liquids can be analyzed and removed to prevent overflow.
- (b) For storage areas that store containers holding wastes that do not contain free liquids, a demonstration of compliance with subsection 11-264-175(c), including:
 - (1) Test procedures and results or other documentation or information to show that the wastes do not contain free liquids; and
 - (2) A description of how the storage area is designed or operated to drain and remove liquids or how containers

are kept from contact with standing liquids.

(c) Sketches, drawings, or data demonstrating compliance with section 11-264-176 (location of buffer zone and containers holding ignitable or reactive wastes) and subsection 11-264-177(c) (location of incompatible wastes), where applicable.

(d) Where incompatible wastes are stored or otherwise managed in containers, a description of the procedures used to ensure compliance with subsections 11-264-177(a) and (b), and 11-264-17(b) and (c).

(e) Information on air emission control equipment as required in section 11-270-27. [Eff 6/18/94; am 3/13/99; comp
SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.15) (Imp: 40 C.F.R. §270.15)

§11-270-16 Specific Part B information requirements for tank systems. Except as otherwise provided in section 11-264-190, owners and operators of facilities that use tanks to store or treat hazardous waste must provide the following additional information:

(a) A written assessment that is reviewed and certified by an independent, qualified, registered professional engineer as to the structural integrity and suitability for handling hazardous waste of each tank system, as required under sections 11-264-191 and 11-264-192;

(b) Dimensions and capacity of each tank;

(c) Description of feed systems, safety cutoff, bypass systems, and pressure controls (e.g., vents);

(d) A diagram of piping, instrumentation, and process flow for each tank system;

(e) A description of materials and equipment used to provide external corrosion protection, as required under subparagraph 11-264-192(a)(3)(ii);

(f) For new tank systems, a detailed description of how the tank system(s) will be installed in compliance with subsections 11-264-192(b) through (e);

(g) Detailed plans and description of how the secondary containment system for each tank system is or will be designed, constructed, and operated to meet the requirements of subsections 11-264-193(a) through (f);

(h) For tank systems for which a variance from the requirements of section 11-264-193 is sought (as provided by subsection 11-264-193(g)):

(1) Detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous waste or hazardous constituents into the ground water or surface water during the life of the facility, or

§11-270-16

- (2) A detailed assessment of the substantial present or potential hazards posed to human health or the environment should a release enter the environment.
- (i) Description of controls and practices to prevent spills and overflows, as required under subsection 11-264-194(b); and
- (j) For tank systems in which ignitable, reactive, or incompatible wastes are to be stored or treated, a description of how operating procedures and tank system and facility design will achieve compliance with the requirements of sections 11-264-198 and 11-264-199.
- (k) Information on air emission control equipment as required in section 11-270-27. [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.16)

§11-270-17 Specific Part B information requirements for surface impoundments. Except as otherwise provided in section 11-264-1, owners and operators of facilities that store, treat or dispose of hazardous waste in surface impoundments must provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each surface impoundment;

(b) Detailed plans and an engineering report describing how the surface impoundment is designed and is or will be constructed, operated, and maintained to meet the requirements of sections 11-264-19, 11-264-221, 11-264-222, and 11-264-223, addressing the following items:

- (1) The liner system (except for an existing portion of a surface impoundment). If an exemption from the requirement for a liner is sought as provided by subsection 11-264-221(b), submit detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;
- (2) The double liner and leak (leachate) detection, collection, and removal system, if the surface impoundment must meet the requirements of subsection 11-264-221(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by subsection 11-264-221(d), (e), or (f), submit appropriate information;
- (3) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in

relation to the leak detection system;

- (4) The construction quality assurance (CQA) plan if required under section 11-264-19;
- (5) Proposed action leakage rate, with rationale, if required under section 11-264-222, and response action plan, if required under section 11-264-223;
- (6) Prevention of overtopping; and
- (7) Structural integrity of dikes;

(c) A description of how each surface impoundment, including the double liner system, leak detection system, cover system, and appurtenances for control of overtopping, will be inspected in order to meet the requirements of subsections 11-264-226(a), (b), and (d). This information must be included in the inspection plan submitted under paragraph 11-270-14(b) (5);

(d) A certification by a qualified engineer which attests to the structural integrity of each dike, as required under subsection 11-264-226(c). For new units, the owner or operator must submit a statement by a qualified engineer that he will provide such a certification upon completion of construction in accordance with the plans and specifications;

(e) A description of the procedure to be used for removing a surface impoundment from service, as required under subsections 11-264-227(b) and (c). This information should be included in the contingency plan submitted under paragraph 11-270-14(b) (7);

(f) A description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under paragraph 11-264-228(a) (1). For any wastes not to be removed from the unit upon closure, the owner or operator must submit detailed-plans and an engineering report describing how paragraph 11-264-228(a) (2) and subsection 11-264-228(b) will be complied with. This information should be included in the closure plan and, where applicable, the post-closure plan submitted under paragraph 11-270-14(b) (13);

(g) If ignitable or reactive wastes are to be placed in a surface impoundment, an explanation of how section 11-264-229 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials will be placed in a surface impoundment, an explanation of how section 11-264-230 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of section 11-264-231. This submission must address the following items as specified in section 11-264-231:

- (1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
- (2) The attenuative properties of underlying and

§11-270-17

- (3) surrounding soils or other materials;
- (3) The mobilizing properties of other materials co-disposed with these wastes; and
- (4) The effectiveness of additional treatment, design, or monitoring techniques.
- (j) Information on air emission control equipment as required in section 11-270-27. [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.17)

§11-270-18 Specific Part B information requirements for waste piles. Except as otherwise provided in section 11-264-1, owners and operators of facilities that store or treat hazardous waste in waste piles must provide the following additional information:

(a) A list of hazardous wastes placed or to be placed in each waste pile;

(b) If an exemption is sought to section 11-264-251 and subchapter F of chapter 11-264 as provided by subsection 11-264-250(c) or paragraph 11-264-90(b)(2), an explanation of how the standards of subsection 11-264-250(c) will be complied with or detailed plans and an engineering report describing how the requirements of paragraph 11-264-90(b)(2) will be met.

(c) Detailed plans and an engineering report describing how the waste pile is designed and is or will be constructed, operated, and maintained to meet the requirements of sections 11-264-19, 11-264-251, 11-264-252, and 11-264-253, addressing the following items:

- (1) (i) The liner system (except for an existing portion of a waste pile), if the waste pile must meet the requirements of subsection 11-264-251(a). If an exemption from the requirement for a liner is sought as provided by subsection 11-264-251(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;
- (ii) The double liner and leak (leachate) detection, collection, and removal system, if the waste pile must meet the requirements of subsection 11-264-251(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by subsection 11-264-251(d), (e), or (f), submit appropriate information;
- (iii) If the leak detection system is located in a

saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

- (iv) The construction quality assurance (CQA) plan if required under section 11-264-19;
- (v) Proposed action leakage rate, with rationale, if required under section 11-264-252, and response action plan, if required under section 11-264-253;

- (2) Control of run-on;
- (3) Control of run-off;
- (4) Management of collection and holding units associated with run-on and run-off control systems; and
- (5) Control of wind dispersal of particulate matter, where applicable;

(d) A description of how each waste pile, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of subsections 11-264-254(a), (b), and (c). This information must be included in the inspection plan submitted under paragraph 11-270-14(b)(5);

(e) If treatment is carried out on or in the pile, details of the process and equipment used, and the nature and quality of the residuals;

(f) If ignitable or reactive wastes are to be placed in a waste pile, an explanation of how the requirements of section 11-264-256 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be placed in a waste pile, an explanation of how section 11-264-257 will be complied with;

(h) A description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under subsection 11-264-258(a). For any waste not to be removed from the waste pile upon closure, the owner or operator must submit detailed plans and an engineering report describing how subsections 11-264-310(a) and (b) will be complied with. This information should be included in the closure plan and, where applicable, the post-closure plan submitted under paragraph 11-270-14(b)(13).

(i) A waste management plan for EPA Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how a waste pile that is not enclosed (as defined in subsection 11-264-250(c)) is or will be designed, constructed, operated, and maintained to meet the requirements of section 11-264-259. This submission must address the following items as specified in section 11-264-259:

- (1) The volume, physical, and chemical characteristics of the wastes to be disposed in the waste pile, including

§11-270-18

- their potential to migrate through soil or to volatilize or escape into the atmosphere;
- (2) The attenuative properties of underlying and surrounding soils or other materials;
 - (3) The mobilizing properties of other materials co-disposed with these wastes; and
 - (4) The effectiveness of additional treatment, design, or monitoring techniques. [Eff 6/18/94; comp
- SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.18)

§11-270-19 Specific Part B information requirements for incinerators. Except as section 11-264-340 provides otherwise, owners and operators of facilities that incinerate hazardous waste must fulfill the requirements of subsection (a), (b), or (c) of this section.

- (a) When seeking an exemption under subsection 11-264-340(b) or (c) (Ignitable, corrosive, or reactive wastes only):
 - (1) Documentation that the waste is listed as a hazardous waste in chapter 11-261, subchapter D, solely because it is ignitable (Hazard Code I) or corrosive (Hazard Code C) or both; or
 - (2) Documentation that the waste is listed as a hazardous waste in chapter 11-261, subchapter D, solely because it is reactive (Hazard Code R) for characteristics other than those listed in paragraphs 11-261-23(a)(4) and (5), and will not be burned when other hazardous wastes are present in the combustion zone; or
 - (3) Documentation that the waste is a hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous waste under chapter 11-261, subchapter C; or
 - (4) Documentation that the waste is a hazardous waste solely because it possesses the reactivity characteristics listed in paragraph 11-261-23(a)(1), (2), (3), (6), (7), or (8), and that it will not be burned when other hazardous wastes are present in the combustion zone; or
- (b) Submit a trial burn plan or the results of a trial burn, including all required determinations, in accordance with section 11-270-62; or
- (c) In lieu of a trial burn, the applicant may submit the following information:
 - (1) An analysis of each waste or mixture of wastes to be burned including:
 - (i) Heat value of the waste in the form and composition in which it will be burned.
 - (ii) Viscosity (if applicable), or description of

- physical form of the waste.
- (iii) An identification of any hazardous organic constituents listed in chapter 11-261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in chapter 11-261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6, or their equivalent.
 - (iv) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6.
 - (v) A quantification of those hazardous constituents in the waste which may be designated as POHC's based on data submitted from other trial or operational burns which demonstrate compliance with the performance standards in section 11-264-343.
- (2) A detailed engineering description of the incinerator, including:
- (i) Manufacturer's name and model number of incinerator.
 - (ii) Type of incinerator.
 - (iii) Linear dimension of incinerator unit including cross sectional area of combustion chamber.
 - (iv) Description of auxiliary fuel system (type/feed).
 - (v) Capacity of prime mover.
 - (vi) Description of automatic waste feed cutoff system(s).
 - (vii) Stack gas monitoring and pollution control monitoring system.
 - (viii) Nozzle and burner design.
 - (ix) Construction materials.
 - (x) Location and description of temperature, pressure, and flow indicating devices and control devices.
- (3) A description and analysis of the waste to be burned compared with the waste for which data from operational or trial burns are provided to support the contention that a trial burn is not needed. The data should include those items listed in paragraph (c)(1). This

- analysis should specify the POHC's which the applicant has identified in the waste for which a permit is sought, and any differences from the POHC's in the waste for which burn data are provided.
- (4) The design and operating conditions of the incinerator unit to be used, compared with that for which comparative burn data are available.
 - (5) A description of the results submitted from any previously conducted trial burn(s) including:
 - (i) Sampling and analysis techniques used to calculate performance standards in section 11-264-343,
 - (ii) Methods and results of monitoring temperatures, waste feed rates, carbon monoxide, and an appropriate indicator of combustion gas velocity (including a statement concerning the precision and accuracy of this measurement),
 - (6) The expected incinerator operation information to demonstrate compliance with sections 11-264-343 and 11-264-345 including:
 - (i) Expected carbon monoxide (CO) level in the stack exhaust gas.
 - (ii) Waste feed rate.
 - (iii) Combustion zone temperature.
 - (iv) Indication of combustion gas velocity.
 - (v) Expected stack gas volume, flow rate, and temperature.
 - (vi) Computed residence time for waste in the combustion zone.
 - (vii) Expected hydrochloric acid removal efficiency.
 - (viii) Expected fugitive emissions and their control procedures.
 - (ix) Proposed waste feed cut-off limits based on the identified significant operating parameters.
 - (7) Such supplemental information as the director finds necessary to achieve the purposes of this paragraph.
 - (8) Waste analysis data, including that submitted in paragraph (c) (1), sufficient to allow the director to specify as permit Principal Organic Hazardous Constituents (permit POHC's) those constituents for which destruction and removal efficiencies will be required.
- (d) The director shall approve a permit application without a trial burn if he finds that:
- (1) The wastes are sufficiently similar; and
 - (2) The incinerator units are sufficiently similar, and the data from other trial burns are adequate to specify (under section 11-264-345) operating conditions that will ensure that the performance standards in section 11-264-343 will be met by the incinerator. [Eff 6/18/94; am 3/13/99; comp **SEP 20 1999**] (Auth: HRS

§§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.19)

§11-270-20 Specific Part B information requirements for land treatment facilities. Except as otherwise provided in section 11-264-1, owners and operators of facilities that use land treatment to dispose of hazardous waste must provide the following additional information:

(a) A description of plans to conduct a treatment demonstration as required under section 11-264-272. The description must include the following information;

- (1) The wastes for which the demonstration will be made and the potential hazardous constituents in the waste;
- (2) The data sources to be used to make the demonstration (e.g., literature, laboratory data, field data, or operating data);
- (3) Any specific laboratory or field test that will be conducted, including:
 - (i) The type of test (e.g., column leaching, degradation);
 - (ii) Materials and methods, including analytical procedures;
 - (iii) Expected time for completion;
 - (iv) Characteristics of the unit that will be simulated in the demonstration, including treatment zone characteristics, climatic conditions, and operating practices.

(b) A description of a land treatment program, as required under section 11-264-271. This information must be submitted with the plans for the treatment demonstration, and updated following the treatment demonstration. The land treatment program must address the following items:

- (1) The wastes to be land treated;
- (2) Design measures and operating practices necessary to maximize treatment in accordance with subsection 11-264-273(a) including:
 - (i) Waste application method and rate;
 - (ii) Measures to control soil pH;
 - (iii) Enhancement of microbial or chemical reactions;
 - (iv) Control of moisture content;
- (3) Provisions for unsaturated zone monitoring, including:
 - (i) Sampling equipment, procedures, and frequency;
 - (ii) Procedures for selecting sampling locations;
 - (iii) Analytical procedures;
 - (iv) Chain of custody control;
 - (v) Procedures for establishing background values;
 - (vi) Statistical methods for interpreting results;
 - (vii) The justification for any hazardous constituents recommended for selection as principal hazardous constituents, in accordance with the criteria for

such selection in subsection 11-264-278(a);

- (4) A list of hazardous constituents reasonably expected to be in, or derived from, the wastes to be land treated based on waste analysis performed pursuant to section 11-264-13;
- (5) The proposed dimensions of the treatment zone;
- (c) A description of how the unit is or will be designed, constructed, operated, and maintained in order to meet the requirements of section 11-264-273. This submission must address the following items:
 - (1) Control of run-on;
 - (2) Collection and control of run-off;
 - (3) Minimization of run-off of hazardous constituents from the treatment zone;
 - (4) Management of collection and holding facilities associated with run-on and run-off control systems;
 - (5) Periodic inspection of the unit. This information should be included in the inspection plan submitted under paragraph 11-270-14(b)(5);
 - (6) Control of wind dispersal of particulate matter, if applicable;
 - (d) If food-chain crops are to be grown in or on the treatment zone of the land treatment unit, a description of how the demonstration required under subsection 11-264-276(a) will be conducted including:
 - (1) Characteristics of the food-chain crop for which the demonstration will be made.
 - (2) Characteristics of the waste, treatment zone, and waste application method and rate to be used in the demonstration;
 - (3) Procedures for crop growth, sample collection, sample analysis, and data evaluation;
 - (4) Characteristics of the comparison crop including the location and conditions under which it was or will be grown;
 - (e) If food-chain crops are to be grown, and cadmium is present in the land-treated waste, a description of how the requirements of subsection 11-264-276(b) will be complied with;
 - (f) A description of the vegetative cover to be applied to closed portions of the facility, and a plan for maintaining such cover during the post-closure care period, as required under paragraphs 11-264-280(a)(8) and 11-264-280(c)(2). This information should be included in the closure plan and, where applicable, the post-closure care plan submitted under paragraph 11-270-14(b)(13);
 - (g) If ignitable or reactive wastes will be placed in or on the treatment zone, an explanation of how the requirements of section 11-264-281 will be complied with;
 - (h) If incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, an

explanation of how section 11-264-282 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of section 11-264-283. This submission must address the following items as specified in section 11-264-283:

- (1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
- (2) The attenuative properties of underlying and surrounding soils or other materials;
- (3) The mobilizing properties of other materials co-disposed with these wastes; and
- (4) The effectiveness of additional treatment, design, or monitoring techniques. [Eff 6/18/94; comp

SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.20)

§11-270-21 Specific Part B information requirements for landfills. Except as otherwise provided in section 11-264-1, owners and operators of facilities that dispose of hazardous waste in landfills must provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each landfill or landfill cell;

(b) Detailed plans and an engineering report describing how the landfill is designed and is or will be constructed, operated, and maintained to meet the requirements of sections 11-264-19, 11-264-301, 11-264-302, and 11-264-303, addressing the following items:

- (1) (i) The liner system (except for an existing portion of a landfill), if the landfill must meet the requirements of subsection 11-264-301(a). If an exemption from the requirement for a liner is sought as provided by subsection 11-264-301(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;
- (ii) The double liner and leak (leachate) detection, collection, and removal system, if the landfill must meet the requirements of subsection 11-264-301(c). If an exemption from the requirements for double liners and a leak detection, collection,

and removal system or alternative design is sought as provided by subsection 11-264-301(d), (e), or (f), submit appropriate information;

- (iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;
- (iv) The construction quality assurance (CQA) plan if required under section 11-264-19;
- (v) Proposed action leakage rate, with rationale, if required under section 11-264-302, and response action plan, if required under section 11-264-303;

- (2) Control of run-on;
- (3) Control of run-off;
- (4) Management of collection and holding facilities associated with run-on and run-off control systems; and
- (5) Control of wind dispersal of particulate matter, where applicable;

(c) A description of how each landfill, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of subsections 11-264-303(a), (b), and (c). This information must be included in the inspection plan submitted under paragraph 11-270-14(b)(5);

(d) A description of how each landfill, including the liner and cover systems, will be inspected in order to meet the requirements of subsections 11-264-303(a) and (b). This information should be included in the inspection plan submitted under paragraph 11-270-14(b)(5).

(e) Detailed plans and an engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with subsection 11-264-310(a), and a description of how each landfill will be maintained and monitored after closure in accordance with subsection 11-264-310(b). This information should be included in the closure and post-closure plans submitted under paragraph 11-270-14(b)(13).

(f) If ignitable or reactive wastes will be landfilled, an explanation of how the standards of section 11-264-312 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be landfilled, an explanation of how section 11-264-313 will be complied with;

(h) [Reserved]

(i) If containers of hazardous waste are to be landfilled, an explanation of how the requirements of section 11-264-315 or section 11-264-316, as applicable, will be complied with.

(j) A waste management plan for EPA Hazardous Waste Nos.

FO20, FO21, FO22, FO23, FO26, and FO27 describing how a landfill is or will be designed, constructed, operated, and maintained to meet the requirements of section 11-264-317. This submission must address the following items as specified in section 11-264-317:

- (1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
 - (2) The attenuative properties of underlying and surrounding soils or other materials;
 - (3) The mobilizing properties of other materials co-disposed with these wastes; and
 - (4) The effectiveness of additional treatment, design, or monitoring techniques. [Eff 6/18/94; comp
- SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.21)

§11-270-22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste.

- (a) Trial burns.
 - (1) General. Except as provided below, owners and operators that are subject to the standards to control organic emissions provided by section 11-266-104, standards to control particulate matter provided by section 11-266-105, standards to control metals emissions provided by section 11-266-106, or standards to control hydrogen chloride or chlorine gas emissions provided by section 11-266-107 must conduct a trial burn to demonstrate conformance with those standards and must submit a trial burn plan or the results of a trial burn, including all required determinations, in accordance with section 11-270-66.
 - (i) A trial burn to demonstrate conformance with a particular emission standard may be waived under provisions of sections 11-266-104 through 11-266-107 and paragraphs (a)(2) through (a)(5) of this section; and
 - (ii) The owner or operator may submit data in lieu of a trial burn, as prescribed in paragraph (a)(6).
 - (2) Waiver of trial burn for DRE.
 - (i) Boilers operated under special operating requirements. When seeking to be permitted under paragraph 11-266-104(a)(4) and section 11-266-110 that automatically waive the DRE trial burn, the owner or operator of a boiler must submit documentation that the boiler operates under the special operating requirements provided by section 11-266-110.
 - (ii) Boilers and industrial furnaces burning low risk

waste. When seeking to be permitted under the provisions for low risk waste provided by paragraph 11-266-104(a)(5) and subsection 11-266-109(a) that waive the DRE trial burn, the owner or operator must submit:

- (A) Documentation that the device is operated in conformance with the requirements of paragraph 11-266-109(a)(1).
- (B) Results of analyses of each waste to be burned, documenting the concentrations of nonmetal compounds listed in appendix VIII of chapter 11-261, except for those constituents that would reasonably not be expected to be in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion explained. The analysis must rely on analytical techniques specified in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (incorporated by reference, see section 11-260-11).
- (C) Documentation of hazardous waste firing rates and calculations of reasonable, worst-case emission rates of each constituent identified in clause (a)(2)(ii)(B) of this section using procedures provided by subparagraph 11-266-109(a)(2)(ii).
- (D) Results of emissions dispersion modeling for emissions identified in clause (a)(2)(ii)(C) of this section using modeling procedures prescribed by subsection 11-266-106(h). The director will review the emission modeling conducted by the applicant to determine conformance with these procedures. The director will either approve the modeling or determine that alternate or supplementary modeling is appropriate.
- (E) Documentation that the maximum annual average ground level concentration of each constituent identified in clause (a)(2)(ii)(B) of this section quantified in conformance with clause (a)(2)(ii)(D) of this section does not exceed the allowable ambient level established in appendices IV or V of chapter 11-266. The acceptable ambient concentration for emitted constituents for which a specific Reference Air Concentration has not been established in appendix IV or Risk-Specific Dose has not been established in appendix V is 0.1 micrograms per cubic meter, as noted in the footnote to appendix

IV.

- (3) Waiver of trial burn for metals. When seeking to be permitted under the Tier I (or adjusted Tier I) metals feed rate screening limits provided by subsections 11-266-106(b) and (e) that control metals emissions without requiring a trial burn, the owner or operator must submit:
- (i) Documentation of the feed rate of hazardous waste, other fuels, and industrial furnace feed stocks;
 - (ii) Documentation of the concentration of each metal controlled by subsection 11-266-106 (b) or (e) in the hazardous waste, other fuels, and industrial furnace feedstocks, and calculations of the total feed rate of each metal;
 - (iii) Documentation of how the applicant will ensure that the Tier I feed rate screening limits provided by subsection 11-266-106 (b) or (e) will not be exceeded during the averaging period provided by that subsection;
 - (iv) Documentation to support the determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use as provided by paragraphs 11-266-106(b)(3) through (b)(5);
 - (v) Documentation of compliance with the provisions of paragraph 11-266-106(b)(6), if applicable, for facilities with multiple stacks;
 - (vi) Documentation that the facility does not fail the criteria provided by paragraph 11-266-106(b)(7) for eligibility to comply with the screening limits; and
 - (vii) Proposed sampling and metals analysis plan for the hazardous waste, other fuels, and industrial furnace feed stocks.
- (4) Waiver of trial burn for particulate matter. When seeking to be permitted under the low risk waste provisions of subsection 11-266-109(b) which waives the particulate standard (and trial burn to demonstrate conformance with the particulate standard), applicants must submit documentation supporting conformance with subparagraph (a)(2)(ii) and paragraph (a)(3) of this section.
- (5) Waiver of trial burn for HCl and Cl₂. When seeking to be permitted under the Tier I (or adjusted Tier I) feed rate screening limits for total chloride and chlorine provided by paragraph 11-266-107(b)(1) and subsection 11-266-107(e) that control emissions of hydrogen chloride (HCl) and chlorine gas (Cl₂) without requiring a trial burn, the owner or operator must submit:

- (i) Documentation of the feed rate of hazardous waste, other fuels, and industrial furnace feed stocks;
 - (ii) Documentation of the levels of total chloride and chlorine in the hazardous waste, other fuels, and industrial furnace feedstocks, and calculations of the total feed rate of total chloride and chlorine;
 - (iii) Documentation of how the applicant will ensure that the Tier I (or adjusted Tier I) feed rate screening limits provided by paragraph 11-266-107(b)(1) or subsection 11-266-107(e) will not be exceeded during the averaging period provided by that paragraph or subsection;
 - (iv) Documentation to support the determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use as provided by paragraph 11-266-107(b)(3);
 - (v) Documentation of compliance with the provisions of paragraph 11-266-107(b)(4), if applicable, for facilities with multiple stacks;
 - (vi) Documentation that the facility does not fail the criteria provided by paragraph 11-266-107(b)(3) for eligibility to comply with the screening limits; and
 - (vii) Proposed sampling and analysis plan for total chloride and chlorine for the hazardous waste, other fuels, and industrial furnace feedstocks.
- (6) Data in lieu of trial burn. The owner or operator may seek an exemption from the trial burn requirements to demonstrate conformance with sections 11-266-104 through 11-266-107 and section 11-270-66 by providing the information required by section 11-270-66 from previous compliance testing of the device in conformance with section 11-266-103, or from compliance testing or trial or operational burns of similar boilers or industrial furnaces burning similar hazardous wastes under similar conditions. If data from a similar device is used to support a trial burn waiver, the design and operating information required by section 11-270-66 must be provided for both the similar device and the device to which the data is to be applied, and a comparison of the design and operating information must be provided. The director shall approve a permit application without a trial burn if he finds that the hazardous wastes are sufficiently similar, the devices are sufficiently similar, the operating conditions are sufficiently similar, and the data from other compliance tests, trial burns, or operational burns are adequate to specify (under

section 11-266-102) operating conditions that will ensure conformance with subsection 11-266-102(c). In addition, the following information shall be submitted:

(i) For a waiver from any trial burn:

- (A) A description and analysis of the hazardous waste to be burned compared with the hazardous waste for which data from compliance testing, or operational or trial burns are provided to support the contention that a trial burn is not needed;
- (B) The design and operating conditions of the boiler or industrial furnace to be used, compared with that for which comparative burn data are available; and
- (C) Such supplemental information as the director finds necessary to achieve the purposes of this subsection.

(ii) For a waiver of the DRE trial burn, the basis for selection of POHCs used in the other trial or operational burns which demonstrate compliance with the DRE performance standard in subsection 11-266-104(a). This analysis should specify the constituents in appendix VIII, chapter 11-261, that the applicant has identified in the hazardous waste for which a permit is sought, and any differences from the POHCs in the hazardous waste for which burn data are provided.

(b) Alternative HC limit for industrial furnaces with organic matter in raw materials. Owners and operators of industrial furnaces requesting an alternative HC limit under subsection 11-266-104(f) shall submit the following information at a minimum:

- (1) Documentation that the furnace is designed and operated to minimize HC emissions from fuels and raw materials;
- (2) Documentation of the proposed baseline flue gas HC (and CO) concentration, including data on HC (and CO) levels during tests when the facility produced normal products under normal operating conditions from normal raw materials while burning normal fuels and when not burning hazardous waste;
- (3) Test burn protocol to confirm the baseline HC (and CO) level including information on the type and flow rate of all feedstreams, point of introduction of all feedstreams, total organic carbon content (or other appropriate measure of organic content) of all nonfuel feedstreams, and operating conditions that affect combustion of fuel(s) and destruction of hydrocarbon emissions from nonfuel sources;
- (4) Trial burn plan to:
 - (i) Demonstrate that flue gas HC (and CO)

concentrations when burning hazardous waste do not exceed the baseline HC (and CO) level; and

(ii) Identify the types and concentrations of organic compounds listed in appendix VIII, chapter 11-261, that are emitted when burning hazardous waste in conformance with procedures prescribed by the director;

(5) Implementation plan to monitor over time changes in the operation of the facility that could reduce the baseline HC level and procedures to periodically confirm the baseline HC level; and

(6) Such other information as the director finds necessary to achieve the purposes of this subsection.

(c) Alternative metals implementation approach. When seeking to be permitted under an alternative metals implementation approach under subsection 11-266-106(f), the owner or operator must submit documentation specifying how the approach ensures compliance with the metals emissions standards of subsection 11-266-106(c) or (d) and how the approach can be effectively implemented and monitored. Further, the owner or operator shall provide such other information that the director finds necessary to achieve the purposes of this subsection.

(d) Automatic waste feed cutoff system. Owners and operators shall submit information describing the automatic waste feed cutoff system, including any pre-alarm systems that may be used.

(e) Direct transfer. Owners and operators that use direct transfer operations to feed hazardous waste from transport vehicles (containers, as defined in section 11-266-111) directly to the boiler or industrial furnace shall submit information supporting conformance with the standards for direct transfer provided by section 11-266-111.

(f) Residues. Owners and operators that claim that their residues are excluded from regulation under the provisions of section 11-266-112 must submit information adequate to demonstrate conformance with those provisions. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.22)

§11-270-23 Specific Part B information requirements for miscellaneous units. Except as otherwise provided in section 11-264-600, owners and operators of facilities that treat, store, or dispose of hazardous waste in miscellaneous units must provide the following additional information:

(a) A detailed description of the unit being used or proposed for use, including the following:

(1) Physical characteristics, materials of construction, and dimensions of the unit;

(2) Detailed plans and engineering reports describing how

the unit will be located, designed, constructed, operated, maintained, monitored, inspected, and closed to comply with the requirements of sections 11-264-601 and 11-264-602; and

- (3) For disposal units, a detailed description of the plans to comply with the post-closure requirements of section 11-264-603.

(b) Detailed hydrologic, geologic, and meteorologic assessments and land-use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in the environmental performance standards of section 11-264-601. If the applicant can demonstrate that he does not violate the environmental performance standards of section 11-264-601 and the director agrees with such demonstration, preliminary hydrologic, geologic, and meteorologic assessments will suffice.

(c) Information on the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents and on the potential magnitude and nature of such exposures.

(d) For any treatment unit, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data.

(e) Any additional information determined by the director to be necessary for evaluation of compliance of the unit with the environmental performance standards of section 11-264-601. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.23)

§11-270-24 Specific Part B information requirements for process vents. Except as otherwise provided in section 11-264-1, owners and operators of facilities that have process vents to which subchapter AA of chapter 11-264 applies must provide the following additional information:

(a) For facilities that cannot install a closed-vent system and control device to comply with the provisions of chapter 11-264 subchapter AA on the effective date that the facility becomes subject to the provisions of chapter 11-264 or 11-265 subchapter AA, an implementation schedule as specified in paragraph 11-264-1033(a)(2).

(b) Documentation of compliance with the process vent standards in section 11-264-1032, including:

- (1) Information and data identifying all affected process vents, annual throughput and operating hours of each affected unit, estimated emission rates for each affected vent and for the overall facility (i.e., the total emissions for all affected vents at the facility), and the approximate location within the facility of each affected unit (e.g., identify the hazardous waste management units on a facility plot).

plan).

- (2) Information and data supporting estimates of vent emissions and emission reduction achieved by add-on control devices based on engineering calculations or source tests. For the purpose of determining compliance, estimates of vent emissions and emission reductions must be made using operating parameter values (e.g., temperatures, flow rates, or concentrations) that represent the conditions that exist when the waste management unit is operating at the highest load or capacity level reasonably expected to occur.
- (3) Information and data used to determine whether or not a process vent is subject to the requirements of section 11-264-1032.

(c) Where an owner or operator applies for permission to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system to comply with the requirements of section 11-264-1032, and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, a performance test plan as specified in paragraph 11-264-1035(b)(3).

(d) Documentation of compliance with section 11-264-1033, including:

- (1) A list of all information references and sources used in preparing the documentation.
- (2) Records, including the dates, of each compliance test required by subsection 11-264-1033(k).
- (3) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of "APTI Course 415: Control of Gaseous Emissions" (incorporated by reference as specified in section 11-260-11) or other engineering texts acceptable to the director that present basic control device design information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in subparagraph 11-264-1035(b)(4)(iii).
- (4) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the conditions that exist when the hazardous waste management unit is or would be operating at the highest load or capacity level reasonably expected to occur.
- (5) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of ninety-five weight percent or greater unless the total organic emission limits of

subsection 11-264-1032(a) for affected process vents at the facility can be attained by a control device involving vapor recovery at an efficiency less than ninety-five weight percent. [Eff 6/18/94; comp
SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.24)

§11-270-25 Specific Part B information requirements for equipment. Except as otherwise provided in section 11-264-1, owners and operators of facilities that have equipment to which subchapter BB of chapter 11-264 applies must provide the following additional information:

(a) For each piece of equipment to which subchapter BB of chapter 11-264 applies:

- (1) Equipment identification number and hazardous waste management unit identification.
- (2) Approximate locations within the facility (e.g., identify the hazardous waste management unit on a facility plot plan).
- (3) Type of equipment (e.g., a pump or pipeline valve).
- (4) Percent by weight total organics in the hazardous waste stream at the equipment.
- (5) Hazardous waste state at the equipment (e.g., gas/vapor or liquid).
- (6) Method of compliance with the standard (e.g., 'monthly leak detection and repair' or 'equipped with dual mechanical seals').

(b) For facilities that cannot install a closed-vent system and control device to comply with the provisions of chapter 11-264 subchapter BB on the effective date that the facility becomes subject to the provisions of chapter 11-264 or 11-265 subchapter BB, an implementation schedule as specified in paragraph 11-264-1033(a)(2).

(c) Where an owner or operator applies for permission to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, a performance test plan as specified in paragraph 11-264-1035(b)(3).

(d) Documentation that demonstrates compliance with the equipment standards in sections 11-264-1052 to 11-264-1059. This documentation shall contain the records required under section 11-264-1064. The director may request further documentation before deciding if compliance has been demonstrated.

(e) Documentation to demonstrate compliance with section 11-264-1060 shall include the following information:

- (1) A list of all information references and sources used

- in preparing the documentation.
- (2) Records, including the dates, of each compliance test required by subsection 11-264-1033(j).
 - (3) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of "ATPI Course 415: Control of Gaseous Emissions" (incorporated by reference as specified in section 11-260-11) or other engineering texts acceptable to the director that present basic control device design information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in subparagraph 11-264-1035(b)(4)(iii).
 - (4) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the conditions that exist when the hazardous waste management unit is operating at the highest load or capacity level reasonably expected to occur.
 - (5) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of ninety-five weight percent or greater. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.25)

§11-270-26 Special Part B information requirements for drip pads. Except as otherwise provided by section 11-264-1, owners and operators of hazardous waste treatment, storage, or disposal facilities that collect, store, or treat hazardous waste on drip pads must provide the following additional information:

(a) A list of hazardous wastes placed or to be placed on each drip pad.

(b) If an exemption is sought to subchapter F of chapter 11-264, as provided by section 11-264-90, detailed plans and an engineering report describing how the requirements of paragraph 11-264-90(b)(2) will be met.

(c) Detailed plans and an engineering report describing how the drip pad is or will be designed, constructed, operated and maintained to meet the requirements of section 11-264-573, including the as-built drawings and specifications. This submission must address the following items as specified in section 11-264-571:

- (1) The design characteristics of the drip pad;
- (2) The liner system;
- (3) The leakage detection system, including the leak detection system and how it is designed to detect the failure of the drip pad or the presence of any releases of hazardous waste or accumulated liquid at the

- earliest practicable time;
- (4) Practices designed to maintain drip pads;
 - (5) The associated collection system;
 - (6) Control of run-on to the drip pad;
 - (7) Control of run-off from the drip pad;
 - (8) The interval at which drippage and other materials will be removed from the associated collection system and a statement demonstrating that the interval will be sufficient to prevent overflow onto the drip pad;
 - (9) Procedures for cleaning the drip pad at least once every seven days to ensure the removal of any accumulated residues of waste or other materials, including but not limited to rinsing, washing with detergents or other appropriate solvents, or steam cleaning and provisions for documenting the date, time, and cleaning procedure used each time the pad is cleaned.
 - (10) Operating practices and procedures that will be followed to ensure that tracking of hazardous waste or waste constituents off the drip pad due to activities by personnel or equipment is minimized;
 - (11) Procedures for ensuring that, after removal from the treatment vessel, treated wood from pressure and non-pressure processes is held on the drip pad until drippage has ceased, including recordkeeping practices;
 - (12) Provisions for ensuring that collection and holding units associated with the run-on and run-off control systems are emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system.
 - (13) If treatment is carried out on the drip pad, details of the process equipment used, and the nature and quality of the residuals.
 - (14) A description of how each drip pad, including appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of section 11-264-573. This information should be included in the inspection plan submitted under paragraph 11-270-14(b)(5).
 - (15) A certification signed by an independent qualified, registered professional engineer, stating that the drip pad design meets the requirements of subsections 11-264-573(a) through (f).
 - (16) A description of how hazardous waste residues and contaminated materials will be removed from the drip pad at closure, as required under subsection 11-264-575(a). For any waste not to be removed from the drip pad upon closure, the owner or operator must submit detailed plans and an engineering report describing how subsections 11-264-310(a) and (b) will be complied

with. This information should be included in the closure plan and, where applicable, in the post-closure plan submitted under paragraph 11-270-14(b)(13). [Eff 6/18/94; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.26)

§11-270-27 Specific Part B information requirements for air emission controls for tanks, surface impoundments, and containers. (a) Except as otherwise provided in section 11-264-1, owners and operators of tanks, surface impoundments, or containers that use air emission controls in accordance with the requirements of 11-264, subchapter CC shall provide the following additional information:

- (1) Documentation for each floating roof cover installed on a tank subject to section 11-264-1084(d)(1) or 11-264-1084(d)(2) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the applicable design specifications as listed in section 11-264-1084(e)(1) or 11-264-1084(f)(1).
- (2) Identification of each container area subject to the requirements of 11-264, subchapter CC and certification by the owner or operator that the requirements of this subchapter are met.
- (3) Documentation for each enclosure used to control air pollutant emissions from tanks or containers in accordance with the requirements of section 11-264-1084(d)(5) or 11-264-1086(e)(1)(ii) that includes records for the most recent set of calculations and measurements performed by the owner or operator to verify that the enclosure meets the criteria of a permanent total enclosure as specified in "Procedure T-Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40 CFR 52.741, appendix B.
- (4) Documentation for each floating membrane cover installed on a surface impoundment in accordance with the requirements of section 11-264-1085(c) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the specifications listed in section 11-264-1085(c)(1).
- (5) Documentation for each closed-vent system and control device installed in accordance with the requirements of section 11-264-1087 that includes design and performance information as specified in sections 11-270-24(c) and (d).

- (6) An emission monitoring plan for both Method 21 in 40 CFR part 60, appendix A and control device monitoring methods. This plan shall include the following information: monitoring point(s), monitoring methods for control devices, monitoring frequency, procedures for documenting exceedances, and procedures for mitigating noncompliances.
- (7) When an owner or operator of a facility subject to 11-265, subchapter CC cannot comply with 11-264, subchapter CC by the date of permit issuance, the schedule of implementation required under section 11-265-1082. [Eff 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.27)

§11-270-28 [Reserved]

§11-270-29 Permit denial. The director may, pursuant to the procedures in chapter 11-271, deny the permit application either in its entirety or as to the active life of a hazardous waste management facility or unit only. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.29)

SUBCHAPTER C

PERMIT CONDITIONS

§11-270-30 Conditions applicable to all permits. The following conditions apply to all hazardous waste management permits, and shall be incorporated into the permits either expressly or by reference. If incorporated by reference, a specific citation to these rules must be given in the permit.

- (a) Duty to comply. The permittee must comply with all conditions of this permit, except that the permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency permit. (See section 11-270-61). Any permit noncompliance, except under the terms of an emergency permit, constitutes a violation of chapter 342J, HRS and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- (b) Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration

- date of this permit, the permittee must apply for and obtain a new permit.
- (c) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
 - (d) In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.
 - (e) Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.
 - (f) Permit actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
 - (g) Property rights. The permit does not convey any property rights of any sort, or any exclusive privilege.
 - (h) Duty to provide information. The permittee shall furnish to the director, within a reasonable time, any relevant information which the director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the director, upon request, copies of records required to be kept by this permit.
 - (i) Inspection and entry. The permittee shall allow the director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:
 - (1) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - (4) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by chapter 342J, HRS or the rules adopted thereunder, any substances or parameters at any location.
- (j) Monitoring and records.
- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - (2) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, the certification required by paragraph 11-264-73(b)(9), and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report, certification, or application. This period may be extended by request of the director at any time. The permittee shall maintain records from all ground-water monitoring wells and associated ground-water surface elevations, for the active life of the facility, and for disposal facilities for the post-closure care period as well.
 - (3) Records for monitoring information shall include:
 - (i) The date, exact place, and time of sampling or measurements;
 - (ii) The individual(s) who performed the sampling or measurements;
 - (iii) The date(s) analyses were performed;
 - (iv) The individual(s) who performed the analyses;
 - (v) The analytical techniques or methods used; and
 - (vi) The results of such analyses.
- (k) Signatory requirements. All applications, reports, or information submitted to the director shall be signed and certified (See section 11-270-11.)
- (l) Reporting requirements.
- (1) Planned changes. The permittee shall give notice to the director as soon as possible of any planned physical alterations or additions to the permitted

- facility.
- (2) Anticipated noncompliance. The permittee shall give advance notice to the director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. For a new facility, the permittee may not treat, store, or dispose of hazardous waste; and for a facility being modified, the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility except as provided in section 11-270-42, until:
 - (i) The permittee has submitted to the director by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and
 - (ii) (A) The director has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or
(B) Within fifteen days of the date of submission of the letter in paragraph (1)(2)(i), the permittee has not received notice from the director of his or her intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.
 - (3) Transfers. This permit is not transferable to any person except after notice to the director. The director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under chapter 342J, HRS or the rules adopted thereunder. (See section 11-270-40)
 - (4) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
 - (5) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen days following each schedule date.
 - (6) Twenty-four hour reporting.
 - (i) The permittee shall report any noncompliance which may endanger health or the environment

orally within twenty-four hours from the time the permittee becomes aware of the circumstances, including:

- (A) Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.
 - (B) Any information of a release or discharge of hazardous waste or of a fire or explosion from the HWM facility, which could threaten the environment or human health outside the facility.
- (ii) The description of the occurrence and its cause shall include:
- (A) Name, address, and telephone number of the owner or operator;
 - (B) Name, address, and telephone number of the facility;
 - (C) Date, time, and type of incident;
 - (D) Name and quantity of material(s) involved;
 - (E) The extent of injuries, if any;
 - (F) An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - (G) Estimated quantity and disposition of recovered material that resulted from the incident.
- (iii) A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The director may waive the five day written notice requirement in favor of a written report within fifteen days.
- (7) Manifest discrepancy report: If a significant discrepancy in a manifest is discovered, the permittee must attempt to reconcile the discrepancy. If not resolved within fifteen days, the permittee must submit a letter report, including a copy of the manifest, to the director. (See section 11-264-72.)

§11-270-30

- (8) Unmanifested waste report: This report must be submitted to the director within fifteen days of receipt of unmanifested waste. (See section 11-264-76)
 - (9) Biennial report: A biennial report must be submitted covering facility activities during odd numbered calendar years. (See section 11-264-75.)
 - (10) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (1)(4), (5), and (6), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (1)(6).
 - (11) Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.
- (m) Information repository. The director may require the permittee to establish and maintain an information repository at any time, based on the factors set forth in section 11-271-33(b). The information repository will be governed by the provisions in sections 11-271-33(c) through (f). [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.30)

§11-270-31 Requirements for recording and reporting of monitoring results. All permits shall specify:

- (a) Requirements concerning the proper use, maintenance, and installation, when appropriate, of monitoring equipment or methods (including biological monitoring methods when appropriate);
- (b) Required monitoring including type, intervals, and frequency sufficient to yield data which are representative of the monitored activity including, when appropriate, continuous monitoring;
- (c) Applicable reporting requirements based upon the impact of the regulated activity and as specified in chapters 11-264, 11-266 and 11-267. Reporting shall be no less frequent than specified in the above rules. [Eff 6/18/94; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.31)

§11-270-32 Establishing permit conditions. (a) In addition to conditions required in all permits (section 11-270-30), the director shall establish conditions, as required on a case-by-case basis, in permits under section 11-270-50 (duration of permits), subsection 11-270-33(a) (schedules of compliance), and section 11-270-31 (monitoring).

(b) (1) Each hazardous waste management permit shall include permit conditions necessary to achieve compliance with HRS chapter 342J and the rules adopted thereunder, including each of the applicable requirements specified in chapters 11-264 and 11-266 through 11-268. In satisfying this provision, the director may incorporate applicable requirements of chapters 11-264 and 11-266 through 11-268 directly into the permit or establish other permit conditions that are based on these chapters.

(2) Each permit issued under HRS section 342J-5 shall contain terms and conditions as the director determines necessary to protect human health and the environment.

(c) An applicable requirement is a State statutory or regulatory requirement which takes effect prior to final administrative disposition of a permit. Section 11-271-14 (reopening of comment period) provides a means for reopening EPA or State permit proceedings at the discretion of the director where new requirements become effective during the permitting process and are of sufficient magnitude to make additional proceedings desirable. An applicable requirement is also any requirement which takes effect prior to the modification or revocation and reissuance of a permit, to the extent allowed in section 11-270-41.

(d) New or reissued permits, and to the extent allowed under section 11-270-41, modified or revoked and reissued permits, shall incorporate each of the applicable requirements referenced in this section and in section 11-270-31.

(e) Incorporation. All permit conditions shall be incorporated either expressly or by reference. If incorporated by reference, a specific citation to the applicable rules or requirements must be given in the permit. [Eff 6/18/94; comp
SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.32)

§11-270-33 Schedules of compliance. (a) The permit may, when appropriate, specify a schedule of compliance leading to compliance with HRS chapter 342J and the rules adopted thereunder.

(1) Time for compliance. Any schedules of compliance under this section shall require compliance as soon as possible.

(2) Interim dates. Except as provided in paragraph

(b) (1) (ii), if a permit establishes a schedule of compliance which exceeds one year from the date of permit issuance, the schedule shall set forth interim requirements and the dates for their achievement.

(i) The time between interim dates shall not exceed one year.

(ii) If the time necessary for completion of any interim requirement is more than one year and is not readily divisible into stages for completion, the permit shall specify interim dates for the submission of reports of progress toward completion of the interim requirements and indicate a projected completion date.

(3) Reporting. The permit shall be written to require that no later than fourteen days following each interim date and the final date of compliance, the permittee shall notify the director in writing, of its compliance or noncompliance with the interim or final requirements.

(b) Alternative schedules of compliance. A hazardous waste management permit applicant or permittee may cease conducting regulated activities (by receiving a terminal volume of hazardous waste and, for treatment and storage HWM facilities, closing pursuant to applicable requirements; and, for disposal HWM facilities, closing and conducting post-closure care pursuant to applicable requirements) rather than continue to operate and meet permit requirements as follows:

(1) If the permittee decides to cease conducting regulated activities at a given time within the term of a permit which has already been issued:

(i) The permit may be modified to contain a new or additional schedule leading to timely cessation of activities; or

(ii) The permittee shall cease conducting permitted activities before noncompliance with any interim or final compliance schedule requirement already specified in the permit.

(2) If the decision to cease conducting regulated activities is made before issuance of a permit whose term will include the termination date, the permit shall contain a schedule leading to termination which will ensure timely compliance with applicable requirements.

(3) If the permittee is undecided whether to cease conducting regulated activities, the director may issue or modify a permit to contain two schedules as follows:

(i) Both schedules shall contain an identical interim deadline requiring a final decision on whether to cease conducting regulated activities no later than a date which ensures sufficient time to comply with applicable requirements in a timely

- manner if the decision is to continue conducting regulated activities;
- (ii) One schedule shall lead to timely compliance with applicable requirements;
 - (iii) The second schedule shall lead to cessation of regulated activities by a date which will ensure timely compliance with applicable requirements;
 - (iv) Each permit containing two schedules shall include a requirement that after the permittee has made a final decision under paragraph (b)(3)(i) it shall follow the schedule leading to compliance if the decision is to continue conducting regulated activities, and follow the schedule leading to termination if the decision is to cease conducting regulated activities.
- (4) The applicant's or permittee's decision to cease conducting regulated activities shall be evidenced by a firm public commitment satisfactory to the director, such as resolution of the board of directors of a corporation. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.33)

SUBCHAPTER D

CHANGES TO PERMIT

§11-270-40 Transfer of permits. (a) A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under subsection 11-270-40(b) or paragraph 11-270-41(b)(2)) to identify the new permittee and incorporate such other requirements as may be necessary under HRS chapter 342J or the rules adopted thereunder.

(b) Changes in the ownership or operational control of a facility may be made as a Class 1 modification with prior written approval of the director in accordance with section 11-270-42. The new owner or operator must submit a revised permit application no later than ninety days prior to the scheduled change. A written agreement containing a specific date for transfer of permit responsibility between the current and new permittees must also be submitted to the director. When a transfer of ownership or operational control occurs, the old owner or operator shall comply with the requirements of chapter 11-264, subchapter H (Financial Requirements) until the new owner or operator has demonstrated that he or she is complying with the requirements of that subchapter. The new owner or operator must demonstrate compliance with subchapter H requirements within six months of the date of the change of ownership or operational

§11-270-40

control of the facility. Upon demonstration to the director by the new owner or operator of compliance with subchapter H, the director shall notify the old owner or operator that he or she no longer needs to comply with subchapter H as of the date of demonstration. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.40)

§11-270-41 Modification or revocation and reissuance of permits. When the director receives any information (for example, inspects the facility, receives information submitted by the permittee as required in the permit (see section 11-270-30), receives a request for revocation and reissuance under section 11-271-5 or conducts a review of the permit file), he or she may determine whether one or more of the causes listed in subsections (a) and (b) of this section for modification, or revocation and reissuance or both exist. If cause exists, the director may modify or revoke and reissue the permit accordingly, subject to the limitations of subsection (c) of this section, and may request an updated application if necessary. When a permit is modified, only the conditions subject to modification are reopened. If a permit is revoked and reissued, the entire permit is reopened and subject to revision and the permit is reissued for a new term. (See paragraph 11-271-5(c)(2).) If cause does not exist under this section, the director shall not modify or revoke and reissue the permit, except on request of the permittee. If a permit modification is requested by the permittee, the director shall approve or deny the request according to the procedures of section 11-270-42. Otherwise, a draft permit must be prepared and other procedures in chapter 11-271 followed.

- (a) Causes for modification. The following are causes for modification, but not revocation and reissuance, of permits; the following may be causes for revocation and reissuance, as well as modification, when the permittee requests or agrees.
- (1) Alterations. There are material and substantial alterations or additions to the permitted facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit.
 - (2) Information. The director has received information. Permits may be modified during their terms for this cause only if the information was not available at the time of permit issuance (other than revised regulations, guidance, or test methods) and would have justified the application of different permit conditions at the time of issuance.
 - (3) New statutory requirements or regulations. The standards or regulations on which the permit was based have been changed by statute, through promulgation of

- new or amended standards or regulations, or by judicial decision after the permit was issued.
- (4) Compliance schedules. The director determines good cause exists for modification of a compliance schedule, such as an act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy.
- (5) Notwithstanding any other provision in this section, when a permit for a land disposal facility is reviewed by the director under subsection 11-270-50(d), the director shall modify the permit as necessary to assure that the facility continues to comply with the currently applicable requirements in chapters 11-271, 11-260 through 11-266, and 11-270.
- (b) Causes for modification or revocation and reissuance. The following are causes to modify or, alternatively, revoke and reissue a permit:
- (1) Cause exists for termination under section 11-270-43, and the director determines that modification or revocation and reissuance is appropriate.
- (2) The director has received notification (as required in the permit, see paragraph 11-270-30(1)(3)) of a proposed transfer of the permit.
- (c) Facility siting. Suitability of the facility location will not be considered at the time of permit modification or revocation and reissuance unless new information or standards indicate that a threat to human health or the environment exists which was unknown at the time of permit issuance. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.41)

§11-270-42 Permit modification at the request of the permittee. (a) Class 1 modifications.

- (1) Except as provided in paragraph (a)(2), the permittee may put into effect Class 1 modifications listed in Appendix I of this section under the following conditions:
- (i) The permittee must notify the director concerning the modification by certified mail or other means that establish proof of delivery within seven calendar days after the change is put into effect. This notice must specify the changes being made to permit conditions or supporting documents referenced by the permit and must explain why they are necessary. Along with the notice, the permittee must provide the applicable information required by sections 11-270-13 through 11-270-21,

- 11-270-62, and 11-270-63.
- (ii) The permittee must send a notice of the modification to all persons on the facility mailing list, maintained by the director in accordance with subparagraph 11-271-10(c)(1)(ix), and the appropriate units of State and County government, as specified in subparagraph 11-271-10(c)(1)(x). This notification must be made within ninety calendar days after the change is put into effect. For the Class 1 modifications that require prior director approval, the notification must be made within ninety calendar days after the director approves the request.
 - (iii) Any person may request the director to review, and the director may for cause reject, any Class 1 modification. The director must inform the permittee by certified mail that a Class 1 modification has been rejected, explaining the reasons for the rejection. If a Class 1 modification has been rejected, the permittee must comply with the original permit conditions.
- (2) Class 1 permit modifications identified in Appendix I by an asterisk may be made only with the prior written approval of the director.
 - (3) For a Class 1 permit modification, the permittee may elect to follow the procedures in subsection 11-270-42(b) for Class 2 modifications instead of the Class 1 procedures. The permittee must inform the director of this decision in the notice required in paragraph 11-270-42(b)(1).
- (b) Class 2 modifications.
 - (1) For Class 2 modifications, listed in Appendix I of this section, the permittee must submit a modification request to the director that:
 - (i) Describes the exact change to be made to the permit conditions and supporting documents referenced by the permit;
 - (ii) Identifies that the modification is a Class 2 modification;
 - (iii) Explains why the modification is needed; and
 - (iv) Provides the applicable information required by sections 11-270-13 through 11-270-21, 11-270-62, and 11-270-63.
 - (2) The permittee must send a notice of the modification request to all persons on the facility mailing list maintained by the director and to the appropriate units of State and local government as specified in subparagraph 11-271-10(c)(1)(x) and must publish this notice in a major local newspaper of general circulation. This notice must be mailed and published

- within seven days before or after the date of submission of the modification request, and the permittee must provide to the director evidence of the mailing and publication. The notice must include:
- (i) Announcement of a sixty day comment period, in accordance with paragraph 11-270-42(b)(5), and the name and address of a department contact to whom comments must be sent;
 - (ii) Announcement of the date, time, and place for a public meeting held in accordance with paragraph 11-270-42(b)(4);
 - (iii) Name and telephone number of the permittee's contact person;
 - (iv) Name and telephone number of a department contact person;
 - (v) Location where copies of the modification request and any supporting documents can be viewed and copied; and
 - (vi) The following statement: "The permittee's compliance history during the life of the permit being modified is available from the Department of Health contact person."
- (3) The permittee must place a copy of the permit modification request and supporting documents in a location accessible to the public in the vicinity of the permitted facility.
 - (4) The permittee must hold a public meeting no earlier than fifteen days after the publication of the notice required in paragraph (b)(2) and no later than fifteen days before the close of the sixty day comment period. The meeting must be held to the extent practicable in the vicinity of the permitted facility.
 - (5) The public shall be provided sixty days to comment on the modification request. The comment period will begin on the date the permittee publishes the notice in the local newspaper. Comments should be submitted to the department contact identified in the public notice.
 - (6) (i) No later than ninety days after receipt of the modification request, the director must:
 - (A) Approve the modification request, with or without changes, and modify the permit accordingly;
 - (B) Deny the request;
 - (C) Determine that the modification request must follow the procedures in subsection 11-270-42(c) for Class 3 modifications for the following reasons:
 - (1) There is significant public concern about the proposed modification; or
 - (2) The complex nature of the change

requires the more extensive procedures of Class 3.

- (D) Approve the request, with or without changes, as a temporary authorization having a term of up to one-hundred and eighty days, or
 - (E) Notify the permittee that he or she will decide on the request within the next thirty days.
- (ii) If the director notifies the permittee of a thirty day extension for a decision, the director must, no later than one-hundred and twenty days after receipt of the modification request:
- (A) Approve the modification request, with or without changes, and modify the permit accordingly;
 - (B) Deny the request; or
 - (C) Determine that the modification request must follow the procedures in subsection 11-270-42(c) for Class 3 modifications for the following reasons:
 - (1) There is significant public concern about the proposed modification; or
 - (2) The complex nature of the change requires the more extensive procedures of Class 3.
 - (D) Approve the request, with or without changes, as a temporary authorization having a term of up to one-hundred and eighty days.
- (iii) If the director fails to make one of the decisions specified in subparagraph (b) (6) (ii) by the one-hundred and twentieth day after receipt of the modification request, the permittee is automatically authorized to conduct the activities described in the modification request for up to one-hundred and eighty days, without formal department action. The authorized activities must be conducted as described in the permit modification request and must be in compliance with all appropriate standards of chapter 11-265. If the director approves, with or without changes, or denies the modification request during the term of the temporary or automatic authorization provided for in subparagraph (b) (6) (i), (ii), or (iii), such action cancels the temporary or automatic authorization.
- (iv) (A) In the case of an automatic authorization under subparagraph (b) (6) (iii), or a temporary authorization under clauses (b) (6) (i) (D) or (b) (6) (ii) (D), if the director has not made a final approval or

denial of the modification request by the date fifty days prior to the end of the temporary or automatic authorization, the permittee must within seven days of that time send a notification to persons on the facility mailing list, and make a reasonable effort to notify other persons who submitted written comments on the modification request, that:

- (1) The permittee has been authorized temporarily to conduct the activities described in the permit modification request, and
 - (2) Unless the director acts to give final approval or denial of the request by the end of the authorization period, the permittee will receive authorization to conduct such activities for the life of the permit.
- (B) If the owner/operator fails to notify the public by the date specified in clause (b) (6) (iv) (A), the effective date of the permanent authorization will be deferred until fifty days after the owner/operator notifies the public.
- (v) Except as provided in clause (b) (6) (vii), if the director does not finally approve or deny a modification request before the end of the automatic or temporary authorization period or reclassify the modification as a Class 3, the permittee is authorized to conduct the activities described in the permit modification request for the life of the permit unless modified later under section 11-270-41 or section 11-270-42. The activities authorized under this subsection must be conducted as described in the permit modification request and must be in compliance with all appropriate standards of chapter 11-265.
 - (vi) In making a decision to approve or deny a modification request, including a decision to issue a temporary authorization or to reclassify a modification as a Class 3, the director must consider all written comments submitted to the department during the public comment period and must respond in writing to all significant comments in his or her decision.
 - (vii) With the written consent of the permittee, the director may extend indefinitely or for a specified period the time periods for final approval or denial of a modification request or

- for reclassifying a modification as a Class 3.
- (7) The director may deny or change the terms of a Class 2 permit modification request under subparagraphs (b)(6)(i) through (iii) for the following reasons:
 - (i) The modification request is incomplete;
 - (ii) The requested modification does not comply with the appropriate requirements of chapter 11-264 or other applicable requirements; or
 - (iii) The conditions of the modification fail to protect human health and the environment.
 - (8) The permittee may perform any construction associated with a Class 2 permit modification request beginning sixty days after the submission of the request unless the director establishes a later date for commencing construction and informs the permittee in writing before day sixty.
- (c) Class 3 modifications.
- (1) For Class 3 modifications listed in Appendix I of this section, the permittee must submit a modification request to the director that:
 - (i) Describes the exact change to be made to the permit conditions and supporting documents referenced by the permit;
 - (ii) Identifies that the modification is a Class 3 modification;
 - (iii) Explains why the modification is needed; and
 - (iv) Provides the applicable information required by sections 11-270-13 through 11-270-22, 11-270-62, 11-270-63, and 11-270-66.
 - (2) The permittee must send a notice of the modification request to all persons on the facility mailing list maintained by the director and to the appropriate units of State and county government as specified in paragraph 11-271-10(c)(1)(x) and must publish this notice in a major local newspaper of general circulation. This notice must be mailed and published within seven days before or after the date of submission of the modification request, and the permittee must provide to the director evidence of the mailing and publication. The notice must include:
 - (i) Announcement of a sixty day comment period, and a name and address of a department contact to whom comments must be sent;
 - (ii) Announcement of the date, time, and place for a public meeting on the modification request, in accordance with paragraph 11-270-42(c)(4);
 - (iii) Name and telephone number of the permittee's contact person;
 - (iv) Name and telephone number of a department contact person;

- (v) Location where copies of the modification request and any supporting documents can be viewed and copied; and
 - (vi) The following statement: ``The permittee's compliance history during the life of the permit being modified is available from the Department of Health contact person.``
- (3) The permittee must place a copy of the permit modification request and supporting documents in a location accessible to the public in the vicinity of the permitted facility.
 - (4) The permittee must hold a public meeting no earlier than fifteen days after the publication of the notice required in paragraph (c)(2) and no later than fifteen days before the close of the sixty day comment period. The meeting must be held to the extent practicable in the vicinity of the permitted facility.
 - (5) The public shall be provided at least sixty days to comment on the modification request. The comment period will begin on the date the permittee publishes the notice in the local newspaper. Comments should be submitted to the department contact identified in the notice.
 - (6) After the conclusion of the sixty day comment period, the director must grant or deny the permit modification request according to the permit modification procedures of chapter 11-271. In addition, the director must consider and respond to all significant written comments received during the sixty day comment period.
- (d) Other modifications.
- (1) In the case of modifications not explicitly listed in Appendix I of this section, the permittee may submit a Class 3 modification request to the department, or he or she may request a determination by the director that the modification should be reviewed and approved as a Class 1 or Class 2 modification. If the permittee requests that the modification be classified as a Class 1 or 2 modification, he or she must provide the department with the necessary information to support the requested classification.
 - (2) The director shall make the determination described in paragraph (d)(1) as promptly as practicable. In determining the appropriate class for a specific modification, the director shall consider the similarity of the modification to other modifications codified in Appendix I and the following criteria:
 - (i) Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or

- reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval.
- (ii) Class 2 modifications apply to changes that are necessary to enable a permittee to respond, in a timely manner, to,
 - (A) Common variations in the types and quantities of the wastes managed under the facility permit,
 - (B) Technological advancements, and
 - (C) Changes necessary to comply with new regulations, where these changes can be implemented without substantially changing design specifications or management practices in the permit.
 - (iii) Class 3 modifications substantially alter the facility or its operation.
- (e) Temporary authorizations.
- (1) Upon request of the permittee, the director may, without prior public notice and comment, grant the permittee a temporary authorization in accordance with this subsection. Temporary authorizations must have a term of not more than one-hundred and eighty days.
 - (2) (i) The permittee may request a temporary authorization for:
 - (A) Any Class 2 modification meeting the criteria in subparagraph (e)(3)(ii), and
 - (B) Any Class 3 modification that meets the criteria in clause (e)(3)(ii)(A) or (B); or that meets the criteria in clauses (e)(3)(ii)(C) through (E) and provides improved management or treatment of a hazardous waste already listed in the facility permit.
 - (ii) The temporary authorization request must include:
 - (A) A description of the activities to be conducted under the temporary authorization;
 - (B) An explanation of why the temporary authorization is necessary; and
 - (C) Sufficient information to ensure compliance with chapter 11-264 standards.
 - (iii) The permittee must send a notice about the temporary authorization request to all persons on the facility mailing list maintained by the director and to appropriate units of State and local governments as specified in paragraph 11-271-10(c)(1)(x). This notification must be made within seven days of submission of the authorization request.

- (3) The director shall approve or deny the temporary authorization as quickly as practical. To issue a temporary authorization, the director must find:
- (i) The authorized activities are in compliance with the standards of chapter 11-264.
 - (ii) The temporary authorization is necessary to achieve one of the following objectives before action is likely to be taken on a modification request:
 - (A) To facilitate timely implementation of closure or corrective action activities;
 - (B) To allow treatment or storage in tanks or containers, or in containment buildings in accordance with chapter 11-268;
 - (C) To prevent disruption of ongoing waste management activities;
 - (D) To enable the permittee to respond to sudden changes in the types or quantities of the wastes managed under the facility permit; or
 - (E) To facilitate other changes to protect human health and the environment.
- (4) A temporary authorization may be reissued for one additional term of up to one-hundred and eighty days provided that the permittee has requested a Class 2 or 3 permit modification for the activity covered in the temporary authorization, and:
- (i) The reissued temporary authorization constitutes the director's decision on a Class 2 permit modification in accordance with clause (b) (6) (i) (D) or (b) (6) (ii) (D), or
 - (ii) The director determines that the reissued temporary authorization involving a Class 3 permit modification request is warranted to allow the authorized activities to continue while the modification procedures of subsection (c) are conducted.
- (f) Public notice of permit modification decisions. (1) The director shall notify persons on the facility mailing list and appropriate units of the State and county government within ten days of any decision under this section to grant or deny a Class 2 or 3 permit modification request. The director shall also notify such persons within ten days after an automatic authorization for a Class 2 modification goes into effect under subparagraph 11-270-42(b) (6) (iii) or (v).
- (2) [Reserved]
 - (3) [Reserved]
 - (g) Newly regulated wastes and units.
 - (1) The permittee is authorized to continue to manage wastes listed or identified as hazardous under chapter 11-261, or to continue to manage hazardous waste in

units newly regulated as hazardous waste management units, if:

- (i) The unit was in existence as a hazardous waste facility with respect to the newly listed or characterized waste or newly regulated waste management unit on the effective date of the final rule listing or identifying the waste, or regulating the unit;
 - (ii) The permittee submits a Class 1 modification request on or before the date on which the waste or unit becomes subject to the new requirements;
 - (iii) The permittee is in compliance with the applicable standards of chapters 11-265 and 11-266;
 - (iv) The permittee also submits a complete Class 2 or 3 modification request within one-hundred and eighty days of the effective date of the rule listing or identifying the waste, or subjecting the unit to management standards established pursuant to chapter 342J, HRS or the rules adopted thereunder;
 - (v) In the case of land disposal units, the permittee certifies that each such unit is in compliance with all applicable requirements of chapter 11-265 for groundwater monitoring and financial responsibility on the date twelve months after the effective date of the rule identifying or listing the waste as hazardous, or regulating the unit as hazardous waste management unit. If the owner or operator fails to certify compliance with all these requirements, he or she will lose authority to operate under this section.
- (2) New wastes or units added to a facility's permit under this subsection do not constitute expansions for the purpose of the twenty-five percent capacity expansion limit for Class 2 modifications.
- (h) Military hazardous waste munitions treatment and disposal. The permittee is authorized to continue to accept waste military munitions notwithstanding any permit conditions barring the permittee from accepting off-site wastes, if:
- (1) The facility was in existence as a hazardous waste facility, and the facility was already permitted to handle the waste military munitions, on the date when the waste military munitions became subject to hazardous waste regulatory requirements;
 - (2) On or before the date when the waste military munitions become subject to hazardous waste regulatory requirements, the permittee submits a Class 1 modification request to remove or amend the permit provision restricting the receipt of off-site waste munitions; and
 - (3) The permittee submits a complete Class 2 modification

request within 180 days of the date when the waste military munitions became subject to hazardous waste regulatory requirements.

(i) Permit modification list. The director must maintain a list of all approved permit modifications and must publish a notice once a year in a state-wide newspaper that an updated list is available for review.

Appendix I to section 11-270-42 -- Classification of Permit Modification

Modifications	Class
A. General Permit Provisions	
1. Administrative and informational changes	1
2. Correction of typographical errors	1
3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)	1
4. Changes in the frequency of or procedures for monitoring, reporting, sampling, or maintenance activities by the permittee:	
a. To provide for more frequent monitoring, reporting, sampling, or maintenance.	1
b. Other changes	2
5. Schedule of compliance:	
a. Changes in interim compliance dates, with prior approval of the director.	1 ¹
b. Extension of final compliance date.	3
6. Changes in expiration date of permit to allow earlier permit termination, with prior approval of the director.	1 ¹
7. Changes in ownership or operational control of a facility, provided the procedures of subsection 11-270-40(b) are followed.	1 ¹
B. General Facility Standards	
1. Changes to waste sampling or analysis methods:	
a. To conform with agency guidance or regulations.	1
b. To incorporate changes associated with F039 (multi-source leachate) sampling or analysis methods.	1 ¹
c. To incorporate changes associated with underlying hazardous constituents in ignitable or corrosive wastes.	1 ¹

- d. Other changes. 2
- 2. Changes to analytical quality assurance/control plan:
 - a. To conform with agency guidance or regulations. 1
 - b. Other changes 2
- 3. Changes in procedures for maintaining the operating record. 1
- 4. Changes in frequency or content of inspection schedules. 2
- 5. Changes in the training plan:
 - a. That affect the type or decrease the amount of training given to employees. 2
 - b. Other changes 1
- 6. Contingency plan:
 - a. Changes in emergency procedures (i.e., spill or release response procedures). 2
 - b. Replacement with functionally equivalent equipment, upgrade, or relocate emergency equipment listed. 1
 - c. Removal of equipment from emergency equipment list. 2
 - d. Changes in name, address, or phone number of coordinators or other persons or agencies identified in the plan. 1
- 7. Construction quality assurance plan:
 - a. Changes that the CQA officer certifies in the operating record will provide equivalent or better certainty that the unit components meet the design specifications 1
 - b. Other changes 2

Note: When a permit modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change shall be reviewed under the same procedures as the permit modification.

C. Ground-Water Protection

- 1. Changes to wells:
 - a. Changes in the number, location, depth, or design of upgradient or downgradient wells of permitted ground-water monitoring system. 2
 - b. Replacement of an existing well that has been damaged or rendered inoperable, without change to location, design, or depth of the well. 1
- 2. Changes in ground-water sampling or analysis procedures or monitoring schedule, with prior approval of the director.

- 3. Changes in statistical procedure for determining whether a statistically significant change in ground-water quality between upgradient and downgradient wells has occurred, with prior approval of the director. 11
- 4. Changes in point of compliance. 11
- 5. Changes in indicator parameters, hazardous constituents, or concentration limits (including ACLs): 12
 - a. As specified in the groundwater protection standard. 3
 - b. As specified in the detection monitoring program 2
- 6. Changes to a detection monitoring program as required by subsection 11-264-98(j), unless otherwise specified in this appendix 2
- 7. Compliance monitoring program:
 - a. Addition of compliance monitoring program as required by paragraph 11-264-98(h)(4) and section 11-264-99 3
 - b. Changes to a compliance monitoring program as required by subsection 11-264-99(k), unless otherwise specified in this appendix 2
- 8. Corrective action program:
 - a. Addition of a corrective action program as required by paragraph 11-264-99(i)(2) and section 11-264-100 3
 - b. Changes to a corrective action program as required by subsection 11-264-100(h), unless otherwise specified in this Appendix 2

D. Closure

- 1. Changes to the closure plan:
 - a. Changes in estimate of maximum extent of operations or maximum inventory of waste on-site at any time during the active life of the facility, with prior approval of the director 11
 - b. Changes in the closure schedule for any unit, changes in the final closure schedule for the facility, or extension of the closure period, with prior approval of the director 11
 - c. Changes in the expected year of final closure, where other permit conditions are not changed, with prior approval of the director 11
 - d. Changes in procedures for decontamination

of facility equipment or structures, with prior approval of the director	1
e. Changes in approved closure plan resulting from unexpected events occurring during partial or final closure, unless otherwise specified in this appendix	2
f. Extension of the closure period to allow a landfill, surface impoundment or land treatment unit to receive non-hazardous wastes after final receipt of hazardous wastes under subsections 11-264-113(d) and (e)	2
2. Creation of a new landfill unit as part of closure	3
3. Addition of the following new units to be used temporarily for closure activities:	
a. Surface impoundments	3
b. Incinerators	3
c. Waste piles that do not comply with subsection 11-264-250(c)	3
d. Waste piles that comply with subsection 11-264-250(c)	2
e. Tanks or containers (other than specified below)	2
f. Tanks used for neutralization, dewatering, phase separation, or component separation, with prior approval of the director	1
E. Post-Closure	
1. Changes in name, address, or phone number of contact in post-closure plan	1
2. Extension of post-closure care period	2
3. Reduction in the post-closure care period	3
4. Changes to the expected year of final closure, where other permit conditions are not changed	1
5. Changes in post-closure plan necessitated by events occurring during the active life of the facility, including partial and final closure	2
F. Containers	
1. Modification or addition of container units:	
a. Resulting in greater than 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a) below	3
b. Resulting in up to 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a) below	2
c. Or treatment processes necessary to treat wastes that are restricted from land disposal	

to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in subparagraph 11-268-8(a)(2)(ii), with prior approval of the director. This modification may also involve addition of new waste codes or narrative descriptions of wastes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028)

1

2:

a. Modification of a container unit without increasing the capacity of the unit

2

b. Addition of a roof to a container unit without alteration of the containment system

1

3. Storage of different wastes in containers, except as provided in (F)(4) below:

a. That require additional or different management practices from those authorized in the permit

3

b. That do not require additional or different management practices from those authorized in the permit

2

Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes.

4. Storage or treatment of different wastes in containers:

a. That require addition of units or change in treatment process or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards, or that are to be treated to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in subparagraph 11-268-8(a)(2)(ii). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028)

1

b. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to

dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028)

1

G. Tanks

1:

a. Modification or addition of tank units resulting in greater than 25% increase in the facility's tank capacity, except as provided in G(1)(c), G(1)(d), and G(1)(e) below

3

b. Modification or addition of tank units resulting in up to 25% increase in the facility's tank capacity, except as provided in G(1)(d) and G(1)(e) below

2

c. Addition of a new tank that will operate for more than ninety days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation, or component separation

2

d. After prior approval of the director, addition of a new tank that will operate for up to ninety days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation, or component separation

1

e. Modification or addition of tank units or treatment processes necessary to treat wastes that are restricted from land disposal to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit"

contained in subparagraph 11-268-8(a)(2)(ii), with prior approval of the director. This modification may also involve addition of new waste codes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028)

1

2. Modification of a tank unit or secondary containment system without increasing the capacity of the unit

2

3. Replacement of a tank with a tank that meets the same design standards and has a capacity within +/- 10% of the replaced tank provided

1

-- The capacity difference is no more than 1500 gallons,

-- The facility's permitted tank capacity is not increased, and

-- The replacement tank meets the same conditions in the permit.

- 4. Modification of a tank management practice. 2
- 5. Management of different wastes in tanks:
 - a. That require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process from that authorized in the permit, except as provided in (G)(5)(c) below 3
 - b. That do not require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process than authorized in the permit, except as provided in (G)(5)(d) 2
 - c. That require addition of units or change in treatment processes or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards or that are to be treated to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in subparagraph 11-268-8(a)(2)(ii). The modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1
 - d. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1

Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes.

H. Surface Impoundments

- 1. Modification or addition of surface impoundment units that result in increasing the facility's surface impoundment storage or treatment capacity 3
- 2. Replacement of a surface impoundment unit 3
- 3. Modification of a surface impoundment unit

without increasing the facility's surface impoundment storage or treatment capacity and without modifying the unit's liner, leak detection system, or leachate collection system 2

4. Modification of a surface impoundment management practice 2

5. Treatment, storage, or disposal of different wastes in surface impoundments:

a. That require additional or different management practices or different design of the liner or leak detection system than authorized in the permit 3

b. That do not require additional or different management practices or different design of the liner or leak detection system than authorized in the permit 2

c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental benefit" contained in subparagraph 11-269-8(a)(2)(ii), and provided that the unit meets the minimum technological requirements stated in paragraph 11-268-5(h)(2). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1

d. That are residues from wastewater treatment or incineration, provided that disposal occurs in a unit that meets the minimum technological requirements stated in paragraph 11-268-5(h)(2), and provided further that the surface impoundment has previously received wastes of the same type (for example, incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1

6. Modifications of unconstructed units to comply with sections 11-264-221(c), 11-264-222, 11-264-223, and 11-264-226(d) *1

7. Changes in response action plan:
a. Increase in action leakage rate 3
b. Change in a specific response reducing its frequency or effectiveness 3
c. Other changes 2

Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes.

I. Enclosed Waste Piles. For all waste piles except those complying with subsection 11-264-250(c), modifications are treated the same as for a landfill. The following modifications are applicable only to waste piles complying with subsection 11-264-250(c).

1. Modification or addition of waste pile units:
 - a. Resulting in greater than 25% increase in the facility's waste pile storage or treatment capacity 3
 - b. Resulting in up to 25% increase in the facility's waste pile storage or treatment capacity 2
 2. Modification of waste pile unit without increasing the capacity of the unit 2
 3. Replacement of a waste pile unit with another waste pile unit of the same design and capacity and meeting all waste pile conditions in the permit 1
 4. Modification of a waste pile management practice 2
 5. Storage or treatment of different wastes in waste piles:
 - a. That require additional or different management practices or different design of the unit 3
 - b. That do not require additional or different management practices or different design of the unit 2
 6. Conversion of an enclosed waste pile to a containment building unit. 2
- Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes.

J. Landfills and Unenclosed Waste Piles

1. Modification or addition of landfill units that result in increasing the facility's disposal capacity 3
2. Replacement of a landfill 3
3. Addition or modification of a liner, leachate collection system, leachate detection system, run-off control, or final cover system 3
4. Modification of a landfill unit without changing a liner, leachate collection system, leachate detection system, run-off control, or final cover system 2
5. Modification of a landfill management practice 2
6. Landfill different wastes:

a. That require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system 3

b. That do not require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system 2

c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental benefit" contained in subparagraph 11-268-8(a)(2)(ii), and provided that the landfill unit meets the minimum technological requirements stated in paragraph 11-268-5(h)(2). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1

d. That are residues from wastewater treatment or incineration, provided that disposal occurs in a landfill unit that meets the minimum technological requirements stated in paragraph 11-268-5(h)(2), and provided further that the landfill has previously received wastes of the same type (for example, incinerator ash). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028) 1

7. Modifications of unconstructed units to comply with sections 11-264-251(c), 11-264-252, 11-264-253, 11-264-254(c), 11-264-301(c), 11-264-302, 11-264-303(c), and 11-264-304 *1

8. Changes in response action plan:

a. Increase in action leakage rate 3

b. Change in a specific response reducing its frequency or effectiveness 3

c. Other changes 2

Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes.

K. Land Treatment

1. Lateral expansion of or other modification of a land treatment unit to increase areal extent 3

2. Modification of run-on control system 2

3. Modify run-off control system 3

4. Other modifications of land treatment unit

component specifications or standards required in permit	2
5. Management of different wastes in land treatment units:	
a. That require a change in permit operating conditions or unit design specifications	3
b. That do not require a change in permit operating conditions or unit design specifications	2
Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes	
6. Modification of a land treatment unit management practice to:	
a. Increase rate or change method of waste application	3
b. Decrease rate of waste application	1
7. Modification of a land treatment unit management practice to change measures of pH or moisture content, or to enhance microbial or chemical reactions	2
8. Modification of a land treatment unit management practice to grow food chain crops, to add to or replace existing permitted crops with different food chain crops, or to modify operating plans for distribution of animal feeds resulting from such crops	3
9. Modification of operating practice due to detection of releases from the land treatment unit pursuant to paragraph 11-264-278(g) (2)	3
10. Changes in the unsaturated zone monitoring system, resulting in a change to the location, depth, number of sampling points, or replace unsaturated zone monitoring devices or components of devices with devices or components that have specifications different from permit requirements	3
11. Changes in the unsaturated zone monitoring system that do not result in a change to the location, depth, number of sampling points, or that replace unsaturated zone monitoring devices or components of devices with devices or components having specifications different from permit requirements	2
12. Changes in background values for hazardous constituents in soil and soil-pore liquid	2
13. Changes in sampling, analysis, or statistical procedure	2
14. Changes in land treatment demonstration program prior to or during the demonstration	2

- 15. Changes in any condition specified in the permit for a land treatment unit to reflect results of the land treatment demonstration, provided performance standards are met, and the director's prior approval has been received 1
- 16. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, provided the conditions for the second demonstration are substantially the same as the conditions for the first demonstration and have received the prior approval of the director 1
- 17. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, where the conditions for the second demonstration are not substantially the same as the conditions for the first demonstration 3
- 18. Changes in vegetative cover requirements for closure 2

L. Incinerators, Boilers, and Industrial Furnaces:

1. Changes to increase by more than 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit, or an ash feed rate limit. The director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 3

2. Changes to increase by up to 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit, or an ash feed rate limit. The director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 2

3. Modification of an incinerator, boiler, or industrial furnace unit by changing the internal size or geometry of the primary or secondary combustion units, by adding a primary or secondary combustion unit, by substantially changing the

design of any component used to remove HCl/Cl₂, metals, or particulate from the combustion gases, or by changing other features of the incinerator, boiler, or industrial furnace that could affect its capability to meet the regulatory performance standards. The director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 3

4. Modification of an incinerator, boiler, or industrial furnace unit in a manner that would not likely affect the capability of the unit to meet the regulatory performance standards but which would change the operating conditions or monitoring requirements specified in the permit. The director may require a new trial burn to demonstrate compliance with the regulatory performance standards. 2

5. Operating requirements:

a. Modification of the limits specified in the permit for minimum or maximum combustion gas temperature, minimum combustion gas residence time, oxygen concentration in the secondary combustion chamber, flue gas carbon monoxide and hydrocarbon concentration, maximum temperature at the inlet to the particulate matter emission control system, or operating parameters for the air pollution control system. The director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 3

b. Modification of any stack gas emission limits specified in the permit, or modification of any conditions in the permit concerning emergency shutdown or automatic waste feed cutoff procedures or controls 3

c. Modification of any other operating condition or any inspection or recordkeeping requirement specified in the permit 2

6. Burning different wastes:

a. If the waste contains a POHC that is more difficult to burn than authorized by the permit or if burning of the waste requires compliance with different regulatory performance standards than specified in the permit. The director will require a new trial

burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 3

b. If the waste does not contain a POHC that is more difficult to burn than authorized by the permit and if burning of the waste does not require compliance with different regulatory performance standards than specified in the permit. 2

Note: See subsection 11-270-42(g) for modification procedures to be used for the management of newly listed or identified wastes

7. Shakedown and trial burn:

a. Modification of the trial burn plan or any of the permit conditions applicable during the shakedown period for determining operational readiness after construction, the trial burn period, or the period immediately following the trial burn 2

b. Authorization of up to an additional 720 hours of waste burning during the shakedown period for determining operational readiness after construction, with the prior approval of the director. '1

c. Changes in the operating requirements set in the permit for conducting a trial burn, provided the change is minor and has received the prior approval of the director '1

d. Changes in the ranges of the operating requirements set in the permit to reflect the results of the trial burn, provided the change is minor and has received the prior approval of the director '1

8. Substitution of an alternative type of nonhazardous waste fuel that is not specified in the permit 1

M. Containment Buildings.

1. Modification or addition of containment building units:

a. Resulting in greater than 25% increase in the facility's containment building storage or treatment capacity. 3

b. Resulting in up to 25% increase in the facility's containment building storage or treatment capacity. 2

2. Modification of a containment building unit or secondary containment system without increasing the capacity of the unit. 2

3. Replacement of a containment building with a

- containment building that meets the same design standards provided: 1
 - a. The unit capacity is not increased.
 - b. The replacement containment building meets the same conditions in the permit. 1
- 4. Modification of a containment building management practice. 2
- 5. Storage or treatment of different wastes in containment buildings:
 - a. That require additional or different management practices. 3
 - b. That do not require additional or different management practices. 2
- N. Corrective Action:
 - 1. Approval of a corrective action management unit pursuant to section 11-264-552. 3
 - 2. Approval of a temporary unit or time extension for a temporary unit pursuant to section 11-264-553. 2

FOOTNOTE: 'Class 1 modifications requiring prior department approval.'

[Eff 6/18/94; am 3/13/99; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.42)

§11-270-43 Termination of permits. (a) The following are causes for terminating a permit during its term, or for denying a permit renewal application:

- (1) Noncompliance by the permittee with any condition of the permit;
- (2) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or
- (3) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

(b) The director shall follow the applicable procedures in chapter 11-271 in terminating any permit under this section.

[Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.43)

SUBCHAPTER E

EXPIRATION AND CONTINUATION OF PERMITS

§11-270-50 Duration of permits. (a) Hazardous waste management permits shall be effective for a fixed term not to exceed five years.

(b) Except as provided in section 11-270-51, the term of a permit shall not be extended by modification beyond the maximum duration specified in this section.

(c) The director may issue any permit for a duration that is less than the full allowable term under this section.

(d) Each permit for a land disposal facility shall be reviewed by the director three years after the date of permit issuance or reissuance and shall be modified as necessary, as provided in section 11-270-41. [Eff 6/18/94; comp

SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.50)

§11-270-51 Continuation of expiring permits. (a) The conditions of an expired permit continue in force until the effective date of a new permit (see section 11-271-15) if:

(1) The permittee has submitted a timely application under section 11-270-14 and the applicable provisions in sections 11-270-15 through 11-270-29 which is a complete (under subsection 11-270-10(c)) application for a new permit; and

(2) The director through no fault of the permittee, does not issue a new permit with an effective date under section 11-271-15 on or before the expiration date of the previous permit (for example, when issuance is impracticable due to time or resource constraints).

(b) Permits continued under this section remain fully effective and enforceable.

(c) When the permittee is not in compliance with the conditions of the expiring or expired permit, the director may choose to do any or all of the following:

(1) Initiate enforcement action based upon the permit which has been continued;

(2) Issue a notice of intent to deny the new permit under section 11-271-6. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) Issue a new permit under chapter 11-271 with appropriate conditions; or

(4) Take other actions authorized by these rules.

(d) [Reserved] [Eff 6/18/94; comp SEP 20 1999] (Auth:

HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.51)

SUBCHAPTER F

SPECIAL FORMS OF PERMITS

§11-270-60 Permits by rule. Notwithstanding any other provision of this chapter or chapter 11-271, the following shall be deemed to have a hazardous waste management permit if the conditions listed are met:

- (a) Ocean disposal barges or vessels. The owner or operator of a barge or other vessel which accepts hazardous waste for ocean disposal, if the owner or operator:
 - (1) Has a permit for ocean dumping issued under 40 CFR part 220 (Ocean Dumping, authorized by the federal Marine Protection, Research, and Sanctuaries Act, as amended, 33 U.S.C. 1420 et seq.);
 - (2) Complies with the conditions of that permit; and
 - (3) Complies with the following hazardous waste regulations:
 - (i) Section 11-264-11, Identification number;
 - (ii) Section 11-264-71, Use of manifest system;
 - (iii) Section 11-264-72, Manifest discrepancies;
 - (iv) Subsection 11-264-73(a) and paragraph 11-264-73(b)(1), Operating record;
 - (v) Section 11-264-75, Biennial report; and
 - (vi) Section 11-264-76, Unmanifested waste report.
- (b) Injection wells. The owner or operator of an injection well disposing of hazardous waste, if the owner or operator:
 - (1) Has a permit for underground injection issued under 40 CFR Part 144 or 145; and
 - (2) Complies with the conditions of that permit and the requirements of 40 CFR 144.14 (requirements for wells managing hazardous waste).
 - (3) For UIC permits issued after November 8, 1984:
 - (i) Complies with section 11-264-101; and
 - (ii) Where the UIC well is the only unit at a facility which requires a hazardous waste management permit, complies with subsection 11-270-14(d).
- (c) Publicly owned treatment works. The owner or operator of a POTW which accepts for treatment hazardous waste, if the owner or operator:
 - (1) Has an NPDES permit;
 - (2) Complies with the conditions of that permit; and
 - (3) Complies with the following regulations:
 - (i) Section 11-264-11, Identification number;
 - (ii) Section 11-264-71, Use of manifest system;
 - (iii) Section 11-264-72, Manifest discrepancies;

- (iv) Subsection 11-264-73(a) and paragraph 11-264-73(b) (1), Operating record;
 - (v) Section 11-264-75, Biennial report;
 - (vi) Section 11-264-76, Unmanifested waste report; and
 - (vii) For NPDES permits issued after November 8, 1984, section 11-264-101.
- (4) If the waste meets all federal, State, and local pretreatment requirements which would be applicable to the waste if it were being discharged into the POTW through a sewer, pipe, or similar conveyance.
- (d) Hazardous waste management facilities operating pursuant to an unexpired EPA permit.
- (1) Upon the effective date of these rules, all hazardous waste management facilities operating pursuant to an unexpired EPA permit will be deemed to have a State permit if the facility is:
- (i) In compliance with all EPA permit conditions;
 - (ii) In compliance with all applicable provisions of HRS chapter 342J; and
 - (iii) In compliance with all applicable provisions of chapters 11-260 through 11-279.
- (2) The EPA permit will be deemed to be a State permit until:
- (i) The department either issues or denies the facility a State permit; or
 - (ii) The EPA permit expires and the permittee has not complied with the provisions in 40 CFR 270.51 (1998) or section 11-270-51; or
 - (iii) The effective date of a new State permit if the permittee has complied with the provisions in 40 CFR 270.51 (1998) or section 11-270-51 and the expired EPA permit is continued under 40 CFR 270.51 (1998) or section 11-270-51, whichever is applicable.
- (3) In order to qualify for a deemed State permit under this subsection, the owner or operator of the hazardous waste management facility must submit the EPA permit to the department with a transmittal letter indicating that the owner and operator are applying for a deemed State permit for the facility pursuant to this subsection.
- (4) Notwithstanding any provision to the contrary in section 11-270-50, an EPA permit deemed a State permit under this subsection shall expire on the expiration date of the EPA permit.
- (5) Notwithstanding any provision to the contrary, the granting of a deemed State permit by the department under this subsection shall not constitute the reissuance of a permit. [Eff 6/18/94; comp

SEP 20 1999

] (Auth: HRS §§342J-4, 342J-31, 342J-

35) (Imp: 40 C.F.R. §270.60)

§11-270-61 Emergency permits. (a) Notwithstanding any other provision of this chapter or chapter 11-271, in the event the director finds an imminent and substantial endangerment to human health or the environment the director may issue a temporary emergency permit:

- (1) To a non-permitted facility to allow treatment, storage, or disposal of hazardous waste; or
 - (2) To a permitted facility to allow treatment, storage, or disposal of a hazardous waste not covered by an effective permit.
 - (b) This emergency permit:
 - (1) May be oral or written. If oral, it shall be followed in five days by a written emergency permit;
 - (2) Shall not exceed ninety days in duration;
 - (3) Shall clearly specify the hazardous wastes to be received, and the manner and location of their treatment, storage, or disposal;
 - (4) May be terminated by the director at any time without process if he or she determines that termination is appropriate to protect human health and the environment;
 - (5) Shall be accompanied by a public notice published under section 11-271-10(b) including:
 - (i) Name and address of the office granting the emergency authorization;
 - (ii) Name and location of the permitted HWM facility;
 - (iii) A brief description of the wastes involved;
 - (iv) A brief description of the action authorized and reasons for authorizing it; and
 - (v) Duration of the emergency permit; and
 - (6) Shall incorporate, to the extent possible and not inconsistent with the emergency situation, all applicable requirements of this chapter and chapters 11-264 and 11-266. [Eff 6/18/94; am 3/13/99; comp
- SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.61).

§11-270-62 Hazardous waste incinerator permits. (a) For the purposes of determining operational readiness following completion of physical construction, the director must establish permit conditions, including but not limited to allowable waste feeds and operating conditions, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to bring the incinerator to a point of operational readiness to conduct a trial burn, not to exceed seven-hundred and twenty hours operating time for treatment of

hazardous waste. The director may extend the duration of this operational period once, for up to seven-hundred and twenty additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to section 11-270-42.

- (1) Applicants must submit a statement, with Part B of the permit application, which suggests the conditions necessary to operate in compliance with the performance standards of section 11-264-343 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in section 11-264-345.
 - (2) The director will review this statement and any other relevant information submitted with Part B of the permit application and specify requirements for this period sufficient to meet the performance standards of section 11-264-343 based on his engineering judgment.
- (b) For the purposes of determining feasibility of compliance with the performance standards of section 11-264-343 and of determining adequate operating conditions under section 11-264-345, the director must establish conditions in the permit for a new hazardous waste incinerator to be effective during the trial burn.
- (1) Applicants must propose a trial burn plan, prepared under paragraph (b)(2) with a Part B of the permit application.
 - (2) The trial burn plan must include the following information:
 - (i) An analysis of each waste or mixture of wastes to be burned which includes:
 - (A) Heat value of the waste in the form and composition in which it will be burned.
 - (B) Viscosity (if applicable), or description of the physical form of the waste.
 - (C) An identification of any hazardous organic constituents listed in chapter 11-261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in chapter 11-261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified, and the basis for the exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6, or

- other equivalent.
- (D) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6, or their equivalent.
- (ii) A detailed engineering description of the incinerator for which the permit is sought including:
- (A) Manufacturer's name and model number of incinerator (if available).
 - (B) Type of incinerator.
 - (C) Linear dimensions of the incinerator unit including the cross sectional area of combustion chamber.
 - (D) Description of the auxiliary fuel system (type/feed).
 - (E) Capacity of prime mover.
 - (F) Description of automatic waste feed cut-off system(s).
 - (G) Stack gas monitoring and pollution control equipment.
 - (H) Nozzle and burner design.
 - (I) Construction materials.
 - (J) Location and description of temperature, pressure, and flow indicating and control devices.
- (iii) A detailed description of sampling and monitoring procedures, including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.
- (iv) A detailed test schedule for each waste for which the trial burn is planned including date(s), duration, quantity of waste to be burned, and other factors relevant to the director's decision under paragraph (b)(5).
- (v) A detailed test protocol, including, for each waste identified, the ranges of temperature, waste feed rate, combustion gas velocity, use of auxiliary fuel, and any other relevant parameters that will be varied to affect the destruction and removal efficiency of the incinerator.
- (vi) A description of, and planned operating conditions for, any emission control equipment which will be used.
- (vii) Procedures for rapidly stopping waste feed,

- shutting down the incinerator, and controlling emissions in the event of an equipment malfunction.
- (viii) Such other information as the director reasonably finds necessary to determine whether to approve the trial burn plan in light of the purposes of this subsection and the criteria in paragraph (b) (5).
- (3) The director, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this subsection.
- (4) Based on the waste analysis data in the trial burn plan, the director will specify as trial Principal Organic Hazardous Constituents (POHCs), those constituents for which destruction and removal efficiencies must be calculated during the trial burn. These trial POHCs will be specified by the director based on his or her estimate of the difficulty of incineration of the constituents identified in the waste analysis, their concentration or mass in the waste feed, and, for wastes listed in chapter 11-261, subchapter D, the hazardous waste organic constituent or constituents identified in Appendix VII of that chapter as the basis for listing.
- (5) The director shall approve a trial burn plan if he or she finds that:
- (i) The trial burn is likely to determine whether the incinerator performance standard required by section 11-264-343 can be met;
 - (ii) The trial burn itself will not present an imminent hazard to human health or the environment;
 - (iii) The trial burn will help the director to determine operating requirements to be specified under section 11-264-345; and
 - (iv) The information sought in subparagraphs (b) (5) (i) and (ii) cannot reasonably be developed through other means.
- (6) The director must send a notice to all persons on the facility mailing list as set forth in section 11-271-10(c) (1) (ix) and to the appropriate units of State and county government as set forth in section 11-271-10(c) (1) (x) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the director has issued such notice.
- (i) This notice must be mailed within a reasonable time period before the scheduled trial burn. An additional notice is not required if the trial

- burn is delayed due to circumstances beyond the control of the facility or the department.
- (ii) This notice must contain:
 - (A) The name and telephone number of the applicant's contact person;
 - (B) The name and telephone number of the department's contact office;
 - (C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and
 - (D) An expected time period for commencement and completion of the trial burn.
- (7) During each approved trial burn (or as soon after the burn as is practicable), the applicant must make the following determinations:
- (i) A quantitative analysis of the trial POHCs in the waste feed to the incinerator.
 - (ii) A quantitative analysis of the exhaust gas for the concentration and mass emissions of the trial POHCs, oxygen (O₂) and hydrogen chloride (HCl).
 - (iii) A quantitative analysis of the scrubber water (if any), ash residues, and other residues, for the purpose of estimating the fate of the trial POHCs.
 - (iv) A computation of destruction and removal efficiency (DRE), in accordance with the DRE formula specified in subsection 11-264-343(a).
 - (v) If the HCl emission rate exceeds 1.8 kilograms of HCl per hour (4 pounds per hour), a computation of HCl removal efficiency in accordance with subsection 11-264-343(b).
 - (vi) A computation of particulate emissions, in accordance with subsection 11-264-343(c).
 - (vii) An identification of sources of fugitive emissions and their means of control.
 - (viii) A measurement of average, maximum, and minimum temperatures and combustion gas velocity.
 - (ix) A continuous measurement of carbon monoxide (CO) in the exhaust gas.
 - (x) Such other information as the director may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in section 11-264-343 and to establish the operating conditions required by section 11-264-345 as necessary to meet that performance standard.
- (8) The applicant must submit to the director a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and must submit the results of all the determinations

required in paragraph (b) (6). This submission shall be made within ninety days of completion of the trial burn, or later if approved by the director.

- (9) All data collected during any trial burn must be submitted to the director following the completion of the trial burn.
- (10) All submissions required by this subsection must be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under section 11-270-11.
- (11) Based on the results of the trial burn, the director shall set the operating requirements in the final permit according to section 11-264-345. The permit modification shall proceed according to section 11-270-42.

(c) For the purposes of allowing operation of a new hazardous waste incinerator following completion of the trial burn and prior to final modification of the permit conditions to reflect the trial burn results, the director may establish permit conditions, including but not limited to allowable waste feeds and operating conditions sufficient to meet the requirements of section 11-264-345, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to complete sample analysis, data computation and submission of the trial burn results by the applicant, and modification of the facility permit by the director.

- (1) Applicants must submit a statement, with Part B of the permit application, which identifies the conditions necessary to operate in compliance with the performance standards of section 11-264-343, during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates, and the operating parameters in section 11-264-345.
- (2) The director will review this statement and any other relevant information submitted with Part B of the permit application and specify those requirements for this period most likely to meet the performance standards of section 11-264-343 based on his engineering judgment.

(d) For the purpose of determining feasibility of compliance with the performance standards of section 11-264-343 and of determining adequate operating conditions under section 11-264-345, the applicant for a permit for an existing hazardous waste incinerator must prepare and submit a trial burn plan and perform a trial burn in accordance with subsection 11-270-19(b) and paragraphs (b) (2) through (b) (5) and (b) (7) through (b) (10) of this section or, instead, submit other information as specified in subsection 11-270-19(c). The director must announce his or her intention to approve the trial burn plan in accordance

with the timing and distribution requirements of paragraph (b) (6). The contents of the notice must include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the department; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for departmental approval of the plan and the time period during which the trial burn would be conducted.

Applicants submitting information under subsection 11-270-19(a) are exempt from compliance with sections 11-264-343 and 11-264-345 and, therefore, are exempt from the requirement to conduct a trial burn. Applicants who submit trial burn plans and receive approval before submission of a permit application must complete the trial burn and submit the results, specified in paragraph (b) (7), with Part B of the permit application. If completion of this process conflicts with the date set for submission of the Part B application, the applicant must contact the director to establish a later date for submission of the Part B application or the trial burn results. Trial burn results must be submitted prior to issuance of the permit. When the applicant submits a trial burn plan with Part B of the permit application, the director will specify a time period prior to permit issuance in which the trial burn must be conducted and the results submitted. [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.62)

§11-270-63 Permits for land treatment demonstrations using field test or laboratory analyses. (a) For the purpose of allowing an owner or operator to meet the treatment demonstration requirements of section 11-264-272, the director may issue a treatment demonstration permit. The permit must contain only those requirements necessary to meet the standards in subsection 11-264-272(c). The permit may be issued either as a treatment or disposal permit covering only the field test or laboratory analyses, or as a two-phase facility permit covering the field tests, or laboratory analyses, and design, construction operation and maintenance of the land treatment unit.

- (1) The director may issue a two-phase facility permit if he finds that, based on information submitted in Part B of the application, substantial, although incomplete or inconclusive, information already exists upon which to base the issuance of a facility permit.
- (2) If the director finds that not enough information exists upon which he can establish permit conditions to attempt to provide for compliance with all of the requirements of subchapter M of chapter 11-264 or 11-265, he must issue a treatment demonstration permit covering only the field test or laboratory analyses.

(b) If the director finds that a phased permit may be issued, he will establish, as requirements in the first phase of the facility permit, conditions for conducting the field tests or laboratory analyses. These permit conditions will include design and operating parameters (including the duration of the tests or analyses and, in the case of field tests, the horizontal and vertical dimensions of the treatment zone), monitoring procedures, post-demonstration clean-up activities, and any other conditions which the director finds may be necessary under subsection 11-264-272(c). The director will include conditions in the second phase of the facility permit to attempt to meet all subchapter M requirements of chapter 11-264 or 11-265 pertaining to unit design, construction, operation, and maintenance. The director will establish these conditions in the second phase of the permit based upon the substantial but incomplete or inconclusive information contained in the Part B application.

- (1) The first phase of the permit will be effective as provided in subsection 11-271-15(b).
- (2) The second phase of the permit will be effective as provided in subsection (d) of this section.

(c) When the owner or operator who has been issued a two-phase permit has completed the treatment demonstration, he must submit to the director a certification, signed by a person authorized to sign a permit application or report under section 11-270-11, that the field tests or laboratory analyses have been carried out in accordance with the conditions specified in phase one of the permit for conducting such tests or analyses. The owner or operator must also submit all data collected during the field tests or laboratory analyses within ninety days of completion of those tests or analyses unless the director approves a later date.

(d) If the director determines that the results of the field tests or laboratory analyses meet the requirements of section 11-264-272, he will modify the second phase of the permit to incorporate any requirements necessary for operation of the facility in compliance with chapter 11-264, subchapter M, based upon the results of the field tests or laboratory analyses.

- (1) This permit modification may proceed under section 11-270-42, or otherwise will proceed as a modification under paragraph 11-270-41(a)(2). If such modifications are necessary, the second phase of the permit will become effective only after those modifications have been made.
- (2) If no modifications of the second phase of the permit are necessary, the director will give notice of his final decision to the permit applicant and to each person who submitted written comments on the phased permit or who requested notice of the final decision on the second phase of the permit. The second phase of the permit then will become effective as specified in

subsection 11-271-15(b). [Eff 6/18/94; comp
SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35)
 (Imp: 40 C.F.R. §270.63)

§11-270-64 [Reserved]

§11-270-65 Research, development, and demonstration permits. (a) The director may issue a research, development, and demonstration permit for any hazardous waste treatment facility which proposes to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for such experimental activity have not been promulgated under chapter 11-264 or 11-266. Any such permit shall include such terms and conditions as will assure protection of human health and the environment. Such permits:

- (1) Shall provide for the construction of such facilities as necessary, and for operation of the facility for not longer than one year unless renewed as provided in subsection (d), and
- (2) Shall provide for the receipt and treatment by the facility of only those types and quantities of hazardous waste which the director deems necessary for purposes of determining the efficacy and performance capabilities of the technology or process and the effects of such technology or process on human health and the environment, and
- (3) Shall include such requirements as the director deems necessary to protect human health and the environment (including, but not limited to, requirements regarding monitoring, operation, financial responsibility, closure, and remedial action), and such requirements as the director deems necessary regarding testing and providing of information to the director with respect to the operation of the facility.

(b) For the purpose of expediting review and issuance of permits under this section, the director may, consistent with the protection of human health and the environment, modify or waive permit application and permit issuance requirements in chapters 11-271 and 11-270 except that there may be no modification or waiver of regulations regarding financial responsibility (including insurance) or of procedures regarding public participation.

(c) The director may order an immediate termination of all operations at the facility at any time he determines that termination is necessary to protect human health and the environment.

(d) Any permit issued under this section may be renewed not more than three times. Each such renewal shall be for a period of

§11-270-65

not more than one year. [Eff 6/18/94; comp **SEP 20 1999**]
(Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.65)

§11-270-66 Permits for boilers and industrial furnaces burning hazardous waste. (a) General. Owners and operators of new boilers and industrial furnaces (those not operating under the interim status standards of section 11-266-103) are subject to subsections (b) through (f) of this section. Boilers and industrial furnaces operating under the interim status standards of section 11-266-103 are subject to subsection (g) of this section.

(b) Permit operating periods for new boilers and industrial furnaces. A permit for a new boiler or industrial furnace shall specify appropriate conditions for the following operating periods:

- (1) Pretrial burn period. For the period beginning with initial introduction of hazardous waste and ending with initiation of the trial burn, and only for the minimum time required to bring the boiler or industrial furnace to a point of operational readiness to conduct a trial burn, not to exceed seven hundred and twenty hours operating time when burning hazardous waste, the director must establish in the Pretrial Burn Period of the permit conditions, including but not limited to, allowable hazardous waste feed rates and operating conditions. The director may extend the duration of this operational period once, for up to seven hundred and twenty additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to section 11-270-42.
 - (i) Applicants must submit a statement, with part B of the permit application, that suggests the conditions necessary to operate in compliance with the standards of sections 11-266-104 through 11-266-107 during this period. This statement should include, at a minimum, restrictions on the applicable operating requirements identified in subsection 11-266-102(e).
 - (ii) The director will review this statement and any other relevant information submitted with part B of the permit application and specify requirements for this period sufficient to meet the performance standards of sections 11-266-104 through 11-266-107 based on his/her engineering judgment.
- (2) Trial burn period. For the duration of the trial burn, the director must establish conditions in the permit for the purposes of determining feasibility of compliance with the performance standards of sections

11-266-104 through 11-266-107 and determining adequate operating conditions under subsection 11-266-102(e). Applicants must propose a trial burn plan, prepared under subsection (c) of this section, to be submitted with part B of the permit application.

- (3) Post-trial burn period.
- (i) For the period immediately following completion of the trial burn, and only for the minimum period sufficient to allow sample analysis, data computation, and submission of the trial burn results by the applicant, and review of the trial burn results and modification of the facility permit by the director to reflect the trial burn results, the director will establish the operating requirements most likely to ensure compliance with the performance standards of sections 11-266-104 through 11-266-107 based on his engineering judgment.
 - (ii) Applicants must submit a statement, with part B of the application, that identifies the conditions necessary to operate during this period in compliance with the performance standards of sections 11-266-104 through 11-266-107. This statement should include, at a minimum, restrictions on the operating requirements provided by subsection 11-266-102(e).
 - (iii) The director will review this statement and any other relevant information submitted with part B of the permit application and specify requirements for this period sufficient to meet the performance standards of sections 11-266-104 through 11-266-107 based on his/her engineering judgment.
- (4) Final permit period. For the final period of operation, the director will develop operating requirements in conformance with subsection 11-266-102(e) that reflect conditions in the trial burn plan and are likely to ensure compliance with the performance standards of sections 11-266-104 through 11-266-107. Based on the trial burn results, the director shall make any necessary modifications to the operating requirements to ensure compliance with the performance standards. The permit modification shall proceed according to section 11-270-42.
- (c) Requirements for trial burn plans. The trial burn plan must include the following information. The director, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this subsection:
- (1) An analysis of each feed stream, including hazardous

- waste, other fuels, and industrial furnace feed stocks, as fired, that includes:
- (i) Heating value, levels of antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, silver, thallium, total chlorine/chloride, and ash;
 - (ii) Viscosity or description of the physical form of the feed stream;
- (2) An analysis of each hazardous waste, as fired, including:
- (i) An identification of any hazardous organic constituents listed in appendix VIII, chapter 11-261, that are present in the feed stream, except that the applicant need not analyze for constituents listed in appendix VIII that would reasonably not be expected to be found in the hazardous waste. The constituents excluded from analysis must be identified and the basis for this exclusion explained. The waste analysis must be conducted in accordance with analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6, or their equivalent.
 - (ii) An approximate quantification of the hazardous constituents identified in the hazardous waste, within the precision produced by the analytical methods specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in section 11-260-11 and section 11-270-6, or other equivalent.
 - (iii) A description of blending procedures, if applicable, prior to firing the hazardous waste, including a detailed analysis of the hazardous waste prior to blending, an analysis of the material with which the hazardous waste is blended, and blending ratios.
- (3) A detailed engineering description of the boiler or industrial furnace, including:
- (i) Manufacturer's name and model number of the boiler or industrial furnace;
 - (ii) Type of boiler or industrial furnace;
 - (iii) Maximum design capacity in appropriate units;
 - (iv) Description of the feed system for the hazardous waste, and, as appropriate, other fuels and industrial furnace feedstocks;
 - (v) Capacity of hazardous waste feed system;
 - (vi) Description of automatic hazardous waste feed

- cutoff system(s);
- (vii) Description of any air pollution control system; and
 - (viii) Description of stack gas monitoring and any pollution control monitoring systems.
- (4) A detailed description of sampling and monitoring procedures including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.
 - (5) A detailed test schedule for each hazardous waste for which the trial burn is planned, including date(s), duration, quantity of hazardous waste to be burned, and other factors relevant to the director's decision under paragraph (b) (2).
 - (6) A detailed test protocol, including, for each hazardous waste identified, the ranges of hazardous waste feed rate, and, as appropriate, the feed rates of other fuels and industrial furnace feedstocks, and any other relevant parameters that may affect the ability of the boiler or industrial furnace to meet the performance standards in sections 11-266-104 through 11-266-107.
 - (7) A description of, and planned operating conditions for, any emission control equipment that will be used.
 - (8) Procedures for rapidly stopping the hazardous waste feed and controlling emissions in the event of an equipment malfunction.
 - (9) Such other information as the director reasonably finds necessary to determine whether to approve the trial burn plan in light of the purposes of this subsection and the criteria in paragraph (b) (2).
- (d) Trial burn procedures.
- (1) A trial burn must be conducted to demonstrate conformance with the standards of sections 11-266-104 through 11-266-107 under an approved trial burn plan.
 - (2) The director shall approve a trial burn plan if he/she finds that:
 - (i) The trial burn is likely to determine whether the boiler or industrial furnace can meet the performance standards of sections 11-266-104 through 11-266-107;
 - (ii) The trial burn itself will not present an imminent hazard to human health and the environment;
 - (iii) The trial burn will help the director to determine operating requirements to be specified under subsection 11-266-102(e); and
 - (iv) The information sought in the trial burn cannot reasonably be developed through other means.
 - (3) The director must send a notice to all persons on the facility mailing list as set forth in section 11-271-

10(c)(1)(ix) and to the appropriate units of State and local government as set forth in section 11-271-10(c)(1)(x) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the director has issued such notice.

- (i) This notice must be mailed within a reasonable time period before the trial burn. An additional notice is not required if the trial burn is delayed due to circumstances beyond the control of the facility or the department.
- (ii) This notice must contain:
 - (A) The name and telephone number of applicant's contact person;
 - (B) The name and telephone number of the department contact office;
 - (C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and
 - (D) An expected time period for commencement and completion of the trial burn.
- (4) The applicant must submit to the director a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and must submit the results of all the determinations required in subsection (c). This submission shall be made within ninety days of completion of the trial burn, or later if approved by the director.
- (5) All data collected during any trial burn must be submitted to the director following completion of the trial burn.
- (6) All submissions required by this subsection must be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under section 11-270-11.
- (e) Special procedures for DRE trial burns. When a DRE trial burn is required under subsection 11-266-104(a), the director will specify (based on the hazardous waste analysis data and other information in the trial burn plan) as trial Principal Organic Hazardous Constituents (POHCs) those compounds for which destruction and removal efficiencies must be calculated during the trial burn. These trial POHCs will be specified by the director based on information including his/her estimate of the difficulty of destroying the constituents identified in the hazardous waste analysis, their concentrations or mass in the hazardous waste feed, and, for hazardous waste containing or derived from wastes listed in chapter 11-261, subchapter D, the hazardous waste organic constituent(s) identified in Appendix VII of chapter 11-261 as the basis for listing.
- (f) Determinations based on trial burn. During each

approved trial burn (or as soon after the burn as is practicable), the applicant must make the following determinations:

- (1) A quantitative analysis of the levels of antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, thallium, silver, and chlorine/chloride, in the feed streams (hazardous waste, other fuels, and industrial furnace feedstocks);
- (2) When a DRE trial burn is required under subsection 11-266-104(a):
 - (i) A quantitative analysis of the trial POHCs in the hazardous waste feed;
 - (ii) A quantitative analysis of the stack gas for the concentration and mass emissions of the trial POHCs; and
 - (iii) A computation of destruction and removal efficiency (DRE), in accordance with the DRE formula specified in subsection 11-266-104(a);
- (3) When a trial burn for chlorinated dioxins and furans is required under subsection 11-266-104(e), a quantitative analysis of the stack gas for the concentration and mass emission rate of the 2,3,7,8-chlorinated tetra-octa congeners of chlorinated dibenzo-p-dioxins and furans, and a computation showing conformance with the emission standard;
- (4) When a trial burn for particulate matter, metals, or HCl/Cl₂ is required under section 11-266-105, subsection 11-266-106(c) or (d), or paragraph 11-266-107(b)(2) or subsection 11-266-107(c), a quantitative analysis of the stack gas for the concentrations and mass emissions of particulate matter, metals, or hydrogen chloride (HCl) and chlorine (Cl₂), and computations showing conformance with the applicable emission performance standards;
- (5) When a trial burn for DRE, metals, or HCl/Cl₂ is required under subsections 11-266-104(a), 11-266-106(c) or (d), or paragraph 11-266-107(b)(2) or subsection 11-266-107(c), a quantitative analysis of the scrubber water (if any), ash residues, other residues, and products for the purpose of estimating the fate of the trial POHCs, metals, and chlorine/chloride;
- (6) An identification of sources of fugitive emissions and their means of control;
- (7) A continuous measurement of carbon monoxide (CO), oxygen, and where required, hydrocarbons (HC), in the stack gas; and
- (8) Such other information as the director may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in sections

11-266-104 through 11-266-107 and to establish the operating conditions required by subsection 11-266-102(e) as necessary to meet those performance standards.

(g) Interim status boilers and industrial furnaces. For the purpose of determining feasibility of compliance with the performance standards of sections 11-266-104 through 11-266-107 and of determining adequate operating conditions under section 11-266-103, applicants owning or operating existing boilers or industrial furnaces operated under the interim status standards of section 11-266-103 must either prepare and submit a trial burn plan and perform a trial burn in accordance with the requirements of this section or submit other information as specified in paragraph 11-270-22(a)(6). The director must announce his or her intention to approve of the trial burn plan in accordance with the timing and distribution requirements of paragraph (d)(3). The contents of the notice must include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the department; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for departmental approval of the plan and the time periods during which the trial burn would be conducted. Applicants who submit a trial burn plan and receive approval before submission of the Part B permit application must complete the trial burn and submit the results specified in subsection (f) with the Part B permit application. If completion of this process conflicts with the date set for submission of the Part B application, the applicant must contact the director to establish a later date for submission of the Part B application or the trial burn results. If the applicant submits a trial burn plan with Part B of the permit application, the trial burn must be conducted and the results submitted within a time period prior to permit issuance to be specified by the director. [Eff 6/18/94; am 3/13/99; comp SEP 20 1999] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.66)

SUBCHAPTER G

INTERIM STATUS

§11-270-70 Qualifying for interim status. (a) Any person who owns or operates an "existing HWM facility" subject to the requirement to have a hazardous waste management permit shall have interim status and shall be treated as having been issued a permit to the extent he or she has:

- (1) Complied with the requirements of section 3010(a) of RCRA or HRS section 342J-6.5 pertaining to notification

- of hazardous waste activity; and
- (2) Complied with the requirements of section 3005 of RCRA or section 11-270-10(e) governing submission of Part A applications.

(b) Failure to qualify for interim status. If the department has reason to believe upon examination of a Part A application that the applicant and/or facility fails to meet the requirements of section 11-270-13, it shall notify the owner or operator in writing of the apparent deficiency. Such notice shall specify the grounds for the department's belief that the application is deficient. The owner or operator shall have thirty days from receipt to respond to such a notification and to explain or cure the alleged deficiency in his Part A application. If, after such notification and opportunity for response, the department determines that the application is deficient it may take appropriate enforcement action against the owner and/or operator of the facility, including, but not limited to, an enforcement action for operation of a facility without a permit or interim status.

(c) Subsection (a) shall not apply to any facility which has been previously denied a RCRA or hazardous waste management permit or if authority to operate the facility under RCRA or HRS section 342J-30 has been previously terminated. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.70)

§11-270-71 Operation during interim status. (a) During the interim status period the facility shall not:

- (1) Treat, store, or dispose of hazardous waste not specified in Part A of the permit application;
- (2) Employ processes not specified in Part A of the permit application; or
- (3) Exceed the design capacities specified in Part A of the permit application.

(b) Interim status standards. During interim status, owners or operators shall comply with the interim status standards in chapter 11-265. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.71)

§11-270-72 Changes during interim status. (a) Except as provided in subsection (b), the owner or operator of an interim status facility may make the following changes at the facility:

- (1) Treatment, storage, or disposal of new hazardous wastes not previously identified in Part A of the permit application (and, in the case of newly listed or identified wastes, addition of the units being used to treat, store, or dispose of the hazardous wastes on the effective date of the listing or identification) if the

- owner or operator submits a revised Part A permit application prior to such treatment, storage, or disposal;
- (2) Increases in the design capacity of processes used at the facility if the owner or operator submits a revised Part A permit application prior to such a change (along with a justification explaining the need for the change) and the director approves the changes because:
 - (i) There is a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, or
 - (ii) The change is necessary to comply with a federal, State, or county requirement.
 - (3) Changes in the processes for the treatment, storage, or disposal of hazardous waste or addition of processes if the owner or operator submits a revised Part A permit application prior to such change (along with a justification explaining the need for the change) and the director approves the change because:
 - (i) The change is necessary to prevent a threat to human health and the environment because of an emergency situation, or
 - (ii) The change is necessary to comply with a federal, State, or county requirement.
 - (4) Changes in the ownership or operational control of a facility if the new owner or operator submits a revised Part A permit application no later than ninety days prior to the scheduled change. When a transfer of operational control of a facility occurs, the old owner or operator shall comply with the requirements of chapter 11-265, subchapter H (Financial Requirements), until the new owner or operator has demonstrated to the director that he is complying with the requirements of that subchapter. The new owner or operator must demonstrate compliance with subchapter H requirements within six months of the date of the change in ownership or operational control of the facility. Upon demonstration to the director by the new owner or operator of compliance with subchapter H, the director shall notify the old owner or operator in writing that he no longer needs to comply with subchapter H as of the date of demonstration. All other interim status duties are transferred effective immediately upon the date of the change in ownership or operational control of the facility.
 - (5) Changes made in accordance with an interim status corrective action order issued by EPA under section 3008(h) of RCRA or other federal authority, by the department under HRS section 342J-36, or by a court in a judicial action brought by EPA or by the department.

Changes under this paragraph are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.

- (6) Addition of newly regulated units for the treatment, storage, or disposal of hazardous waste if the owner or operator submits a revised Part A permit application on or before the date on which the unit becomes subject to the new requirements.

(b) Except as specifically allowed under this subsection, changes listed under subsection (a) may not be made if they amount to reconstruction of the hazardous waste management facility. Reconstruction occurs when the capital investment in the changes to the facility exceeds fifty percent of the capital cost of a comparable entirely new hazardous waste management facility. If all other requirements are met, the following changes may be made even if they amount to a reconstruction:

- (1) Changes made solely for the purposes of complying with the requirements of section 11-265-193 for tanks and ancillary equipment.
- (2) If necessary to comply with federal, State, or county requirements, changes to an existing unit, changes solely involving tanks or containers, or addition of replacement surface impoundments that satisfy the standards of section 11-265-221.
- (3) Changes that are necessary to allow owners or operators to continue handling newly listed or identified hazardous wastes that have been treated, stored, or disposed of at the facility prior to the effective date of the rule establishing the new listing or identification.
- (4) Changes during closure of a facility or of a unit within a facility made in accordance with an approved closure plan.
- (5) Changes necessary to comply with an interim status corrective action order issued by EPA under section 3008(h) of RCRA or other federal authority, by the department under HRS section 342J-36, or by a court in a judicial proceeding brought by EPA or the department, provided that such changes are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.
- (6) Changes to treat or store, in tanks, containers, or containment buildings, hazardous wastes subject to land disposal restrictions imposed by chapter 11-268, provided that such changes are made solely for the purpose of complying with chapter 11-268.
- (7) Addition of newly regulated units under paragraph (a)(6). [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS

§11-270-72

§§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.72)

§11-270-73 Termination of interim status. Interim status terminates or terminated when:

- (a) Final administrative disposition of a permit application is made; or
- (b) Interim status is terminated as provided in paragraph 11-270-10(e) (5).
- (c) For owners or operators of each land disposal facility which had been granted a RCRA interim status prior to November 8, 1984, on November 8, 1985 (as provided by 40 CFR 270.73 (1998)), unless:
 - (1) The owner or operator submitted a Part B application to EPA for a RCRA permit for such facility prior to that date; and
 - (2) The owner or operator certifies that such facility is in compliance with all applicable ground-water monitoring and financial responsibility requirements.
- (d) For owners or operators of each land disposal facility which was in existence on the effective date of statutory or regulatory amendments under RCRA that render the facility subject to the requirement to have a RCRA permit and which was granted a RCRA interim status, twelve months after the date on which the facility first becomes subject to such permit requirement unless the owner or operator of such facility:
 - (1) Submitted a Part B application to EPA for a RCRA permit for such facility before the date twelve months after the date on which the facility first becomes subject to such permit requirement; and
 - (2) Certifies that such facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.
- (e) For owners or operators of any land disposal unit that is granted authority to operate under paragraph 11-270-72(a) (1), (2) or (3), on the date twelve months after the effective date of such requirement, unless the owner or operator certifies that such unit is in compliance with all applicable groundwater monitoring and financial responsibility requirements.
- (f) For owners and operators of each incinerator facility which had achieved RCRA interim status prior to November 8, 1984, interim status terminated on November 8, 1989 (as provided by 40 CFR 270.73 (1998)), unless the owner or operator of the facility submitted to EPA a Part B application for a RCRA permit for an incinerator facility by November 8, 1986.
- (g) For owners or operators of any facility (other than a

land disposal or an incinerator facility) which had achieved RCRA interim status prior to November 8, 1984, interim status terminated on November 8, 1992 (as provided by 40 CFR 270.73 (1998)), unless the owner or operator of the facility submitted to EPA a Part B application for a RCRA permit for the facility by November 8, 1988. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: 40 C.F.R. §270.73)

§§11-270-74 - 11-270-100 [Reserved]

SUBCHAPTER H

APPENDICES

§11-270-101 Appendix. Appendix I entitled "Application for a Hazardous Waste Permit - Part A (January 1990)," at the end of this chapter is made a part of this chapter. [Eff 6/18/94; comp **SEP 20 1999**] (Auth: HRS §§342J-4, 342J-31, 342J-35) (Imp: None)

DEPARTMENT OF HEALTH

The compilation of chapter 11-270, Hawaii Administrative Rules, on the Summary page dated **SEP 2 1999**, was adopted on **SEP 2 1999**. No public notice was provided and no public hearing was conducted.

This compilation shall take effect ten days after filing with the Office of the Lieutenant Governor.


BRUCE S. ANDERSON, Ph.D., M.P.H.
Director of Health

APPROVED AS TO FORM:


Adina L.K. Cunningham
Deputy Attorney General


BENJAMIN J. CAYETANO
Governor
State of Hawaii

Date: **9/8/99**

SEP 09 1999

Filed

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