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Title 22@ Social Security

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Division 4.5@ Environmental Health Standards for the Management of Hazardous Waste

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Chapter 20@ The Hazardous Waste Permit Program

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Article 2@ Permit Application

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Section 66270.20@ Specific Part B Information Requirements for Land Treatment Facilities

66270.20 Specific Part B Information Requirements for Land Treatment Facilities

Except as otherwise provided in section 66264.1 , owners and operators of facilities that use land treatment to treat or dispose of hazardous waste shall provide the following additional information:

(a)

a description of plans to conduct a treatment demonstration as required under section 66264.272. The description shall 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: (A) the type of test (e.g., column leaching, degradation); (B) materials and methods, including analytical procedures; (C) expected time for completion; (D) characteristics of the unit that will be simulated in the demonstration, including treatment zone characteristics, climatic conditions, and operating practices;

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(C)

expected time for completion;

(D)

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 66264.271.

This information shall be submitted with the plans for the treatment demonstration, and updated following the treatment demonstration. The land treatment program shall address the following items: (1) the wastes to be land treated; (2) design measures and operating practices necessary to maximize treatment in accordance with section 66264.273(a) including: (A) waste application method and rate; (B) measures to control soil pH; (C) enhancement of microbial or chemical reactions; (D) control of moisture content; (3) provisions for unsaturated zone monitoring, including: (A) sampling equipment,

procedures, and frequency; (B) procedures for selecting sampling locations; (C) analytical procedures; (D) chain of custody control; (E) procedures for establishing background values; (F) statistical methods for interpreting results; (G) the justification for any hazardous constituents recommended, for selection as principal hazardous constituents, in accordance with the criteria for such selection in section 66264.278(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 66264.13; (5) the proposed dimensions of the treatment zone;

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the wastes to be land treated;

(2)

design measures and operating practices necessary to maximize treatment in accordance with section 66264.273(a) including: (A) waste application method and rate; (B) measures to control soil pH; (C) enhancement of microbial or chemical reactions; (D) control of moisture content;

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(3)

provisions for unsaturated zone monitoring, including: (A) sampling equipment,

procedures, and frequency; (B) procedures for selecting sampling locations; (C) analytical procedures; (D) chain of custody control; (E) procedures for establishing background values; (F) statistical methods for interpreting results; (G) the justification for any hazardous constituents recommended, for selection as principal hazardous constituents, in accordance with the criteria for such selection in section 66264.278(a);

(A)

sampling equipment, procedures, and frequency;

(B)

procedures for selecting sampling locations;

(C)

analytical procedures;

(D)

chain of custody control;

(E)

procedures for establishing background values;

(F)

statistical methods for interpreting results;

(G)

the justification for any hazardous constituents recommended, for selection as principal hazardous constituents, in accordance with the criteria for such selection in section 66264.278(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 66264.13;

(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 66264.273. This submission shall 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 shall be included in the inspection plan submitted under section 66270.14(b)(5); (6) control of wind dispersal of particulate matter, if applicable;

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minimization of run-off of hazardous constituents from the treatment zone;

(4)

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(5)

periodic inspection of the unit. This information shall be included in the inspection plan submitted under section 66270.14(b)(5);

(6)

control of wind dispersal of particulate matter, if applicable;

(d)

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 sections 66264.280(a)(8) and 66264.280(c)(2). This information shall be included in the closure plan and, where applicable, the post-closure care plan submitted under section 66270.14(b)(13);

(e)

if ignitable or reactive wastes will be placed in or on the treatment zone, an explanation of how the requirements of section 66264.281 will be complied with;

(f)

if incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, an explanation of how section 66264.282 will be complied with;

(g)

a waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of section 66264.283. This submission shall address the following items as specified in section 66264.283: (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.

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the effectiveness of additional treatment, design, or monitoring techniques.