

Air Operating Permit No. y-004
Date Issued: _____
Effective Date: _____
Expiration Date: _____

yakima regional clean air authority

Mailing Address: 6 South 2nd Street
Room 1016 Larson Building, Yakima, WA 98901

Phone: (509) 574-1410 Fax: (509) 574-1411

In Compliance with the provisions of The State of Washington Clean Air Act
Chapter 70.94 Revised Code of Washington and the Clean Air Act
42 United States Code, Section 7401 *et seq.*

Terrace Heights Landfill, a municipal solid waste landfill

Parent company: Yakima County Public Works Department - Solid Waste Division
105 East AA@ Street
Yakima, WA 98901

Facility located at: 7601 Roza Hill Drive, Yakima, WA 98909

is authorized to generate air emissions in accordance with the general and special conditions in this Air Operating Permit No. y-004.

Engineering Contact: Inspection Contact:

Tom T. Silva
Yakima Regional Clean Air Authority
Phone: (509) 574-1410 Ext. 106

Richard Yanez
Yakima Regional Clean Air Authority
Phone: (509) 574-1410 Ext. 110

This Operating Permit has been reviewed by the undersigned professional engineer.

Joseph Andreotti, P.E., Andreotti and Associates

This Operating Permit has been issued by the undersigned.

Les Ornelas, Director, Yakima Regional Clean Air Authority

THL_y004

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I. General Terms and Conditions

The following General Terms and Conditions cite applicable rules and regulations that serve as the statutory and regulatory bases for the requirements. Where there is a difference, cited regulations take precedence over the paraphrased requirements. All referenced statutes, regulations, or source test manuals which become requirements or parts of any requirement of this permit are those in effect at the time this permit is issued. Cited rules and regulations or quoted provisions therein followed by Astate-only@ are not federally enforceable and are state requirements only. The Yakima Regional Clean Air Authority, hereinafter referred to as YRCAA, issues this permit to Terrace Heights Landfill, hereinafter referred to as THL, at 7601 Roza Hill Drive, Yakima, WA. In the operation of this permitted facility, THL shall comply with the following permit general requirements:

1. Permit Duration

WAC 173-401-610 (effective 11/4/93)

This permit is issued for a fixed term of five years from the indicated date of issue.

2. Compliance Requirement

WAC 173-401-620(2)(a) (effective 11/4/93), WAC 173-401-620(2)(b) (effective 11/4/93)

a) Duty to comply: THL shall comply with all the terms and conditions of this permit. Non-compliance with any provision of this permit constitute a violation of Chapter 70.94 RCW and the federal Clean Air Act for provisions which are indicated as federally enforceable. Such violations are grounds for enforcement action; for permit termination, revocation, and reissuance, or modification; or for denial of a permit renewal application.

b) Need to halt or reduce activity not a defense: It shall not be a defense for THL 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.

3. Annual Fee Payment

WAC 173-401-620(2)(f) (effective 11/4/93)

As a condition of this permit, THL shall pay fees in the amounts determined using the method in the YRCAA Regulation I, Section 4.04(J) (effective 3/8/00). Failure to pay fees in a timely fashion shall subject THL to civil and criminal penalties as prescribed in Chapter 70.94 (effective 1994) and YRCAA Regulation I, Section 5.02 (effective 3/8/00).

4. Requirement to provide information

WAC 173-401-500(6) (effective 11/4/93), WAC 173-401-620(2)(e) (effective 11/4/93), YRCAA Reg. I ' 1.07 (B) & (C) (effective 3/8/00)

a) Duty to provide information: THL shall furnish to the YRCAA, within reasonable time any information that YRCAA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request THL shall also furnish YRCAA copies of records to be kept as required in the permit, and for information claimed to be confidential, THL shall furnish such records to YRCAA and directly to the EPA Administrator along with a claim of confidentiality. YRCAA shall maintain confidentiality for such information in accordance with RCW 70.94.205 (effective 1991).

b) Duty to maintain true information: THL shall not provide false and misleading information to YRCAA. THL shall not alter or reproduce the permit for the purpose of evading or violating any provision of this permit (state only).

5. Property Rights

WAC 173-401-620(2)(d) (effective 11/4/93)

This permit does not convey any property rights of any sort, or any exclusive privilege.

6. Change of Ownership or Operation

WAC 173-401-720(1)(d) (effective 11/4/93)

In the event that the permitted facility is sold, this permit is not automatically transferred to the new owners. THL or the new owners shall formally advise YRCAA in writing of the change of ownership and the required information consistent with WAC 173-401-720(1)(d) (effective 11/4/93), within thirty days after the conclusion of sale.

7. Inspection and Entry

WAC 173-401-630(2) (effective 11/4/93), YRCAA Reg., I ' 2.01 (C) & (D) (effective 3/8/00)

a) Upon presentation of appropriate credentials and other documents as may be required by law, THL shall allow YRCAA or authorized representative(s) to perform the following:

- i) Enter upon the premises of the permitted facility where the emissions related activities are conducted or where records must be kept under the conditions of the permit,

- ii) Have access to and copy at reasonable times any records that must be kept under the conditions of this permit,
 - iii) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit, and
 - iv) As authorized by WAC 173-400-105 (effective 10/14/96) and the FCAA and Amendments, to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.
- b) Nothing in this provision shall limit the ability of EPA to inspect or enter the premises of the permitted facility under Section 114 or other provisions of the FCAA.
- c) In the process of carrying out official duties, no person shall obstruct, hamper, or interfere with any authorized YRCAA representative after presenting appropriate credentials and any other documents as required by law.

8. Permit Actions

WAC 173-401-620(2)(c) (effective 11/4/93)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by THL for a permit modification, revocation and reissuance or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

9. Changes not requiring Permit revisions

WAC 173-401-722 (effective 11/4/93)

THL may make changes without a requiring permit revision as provided in WAC 173-401-722 (effective 11/4/93).

10. Off-permit changes

WAC 173-401-724 (effective 11/4/93)

THL shall be allowed to make changes not specifically addressed or prohibited in the terms and conditions of this permit without requiring a permit revision as provided in WAC 173-401-724 (effective 11/4/93).

11. Emissions Trading

WAC 173-401-620(2)(g) (effective 11/4/93)

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

12. Severability Clause

WAC 173-401-620(2)(h) (effective 11/4/93)

If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and enforceable.

13. Permit Appeals

WAC 173-401-735 (effective 11/4/93), WAC 173-401-620(2)(i) (effective 11/4/93)

- a) A decision to issue or to deny a final permit, or the terms or conditions of such a permit may be appealed as provided in WAC 173-401-735 (effective 11/4/93).
- b) This permit or any condition in it may be appealed as provided in WAC 173-401-620(2)(i) (effective 11/4/93).

14. Permit Continuation

WAC 173-401-620(2)(j) (effective 11/4/93)

This permit and all terms and conditions contained herein, including any permit shield provided under WAC 173-401-640 (effective 11/4/93), shall not expire until the renewal permit had been issued or denied if a timely and complete application has been submitted. An application shield granted under WAC 173-401-705(2) (effective 11/4/93) shall remain in effect until the renewal permit has been issued or denied if a timely and complete permit application has been submitted.

15. Emergencies

WAC 173-401-645 (effective 11/4/93)

An Aemergency@ means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation require immediate corrective action to restore normal operation, and that causes the permitted facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment,

lack of preventive maintenance, careless or improper operation, or operator error. It constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation provided the following conditions are met:

- a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence;
- b) The emergency occurred and THL can identify the cause(s) of the emergency;
- c) The permitted facility was properly operated at the time of the emergency;
- d) During the period of the emergency, THL took all reasonable steps to minimize levels of emissions that exceeded standards, or other requirements in the permit;
- c) THL submitted notice of the emergency to YRCAA within two working days of the time when emission limitations were exceeded due to the emergency or shorter periods of time specified in the applicable requirements. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice satisfies the excess emissions reporting requirements as specified in WAC 173-401-615(3)(b) (effective 11/4/93) unless the excess emissions represent a potential threat to human health or safety; and
- e) A prompt reporting@ shall be required from THL for all deviations from permit conditions as provided in Section IV, 4. For deviations which represent a potential threat to human health or safety, A prompt reporting@ means reporting as soon as possible, but in no case later than twelve hours after such deviation is discovered. [WAC 173-401-615(3)(b) (effective 11/4/93)]

16. Unavoidable Excess Emissions

WAC 173-400-107(2) (effective 9/20/93), YRCAA Reg. I Section 3.11 (D)(3.) (effective 3/8/00)

Excess emissions due to start-up or shutdown conditions, scheduled maintenance or upsets that are determined to be unavoidable under the procedures and criteria in WAC 173-400-107 (effective 9/20/93) shall be excused and not subject to penalty.

17. Federal Enforceability

WAC 173-401-625 (effective 11/4/93)

All terms and conditions of this permit are enforceable by EPA and by citizens under the FCAA, except for those terms and conditions designated in the permit as "state only".

18. Reasonably Available Control Technology (RACT)
WAC 173-401-605(3) (effective 11/4/93)

Emission standards and other requirements contained in rules and regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purposes of permit issuance or renewal. RACT determinations under section 8, chapter 252, Laws of 1993, shall be incorporated into an operating permit as provided in WAC 173-401-700 (effective 11/4/93)

19. Records, Monitoring and Reporting
WAC 173-400-105 (effective 10/14/96)

Except as provided in ' II Permit Specific Terms and Conditions, upon written notification by YRCAA, THL shall maintain and provide records deemed necessary to determine whether THL is complying with emission limitations and control measures of this permit. Such records shall include type and quantity of emissions from the permitted facility and other information as deemed necessary by YRCAA.

20. Required Recordkeeping for Monitoring
WAC 173-401-615(2)(a) (effective 11/4/93)

Whenever applicable, records of required monitoring shall include:

- a) Date, place as defined in the permit, and time of sampling or measurements,
- b) Date analyses were performed,
- c) Company or entity performing the analyses,
- d) Analytical methods used,
- e) Results of such analyses, and
- f) Operating conditions existing at the time of sampling or measurement.

21. Recordkeeping of Emissions Related Changes
WAC 173-401-615(2)(b) (effective 11/4/93)

THL shall provide a record describing changes made at the source that result in emissions of a regulated air pollutant to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

22. New Source Review

YRCAA Reg. I Sections 4.02 (effective 3/8/00), WAC 173-400-110 (state only, effective 9/15/01), WAC 173-400-113 (state only, effective 9/15/01), WAC 173-400-114 (state only, effective 9/15/01),

- a) THL shall not construct, install, establish, or modify an air contaminant source in the permitted facility unless an application for establishment of air contaminant source has been filed with and reviewed by the YRCAA for approval in accordance with the YRCAA Reg. I ' 4.02 (effective 3/8/00), WAC 173-400-110 (effective 9/15/01), and WAC 173-400-113 (effective 9/15/01).
- b) THL shall file a New Source Review (NSR) with YRCAA for any replacement or substantial alteration of air emission control technology installed on an existing stationary source in the permitted facility according to the provisions in WAC 173-400-114 (effective 9/15/01).

23. Schedule of Compliance:

WAC 173-401-630(3) (effective 11/4/93), WAC 173-401-510(2)(h)(iii) (effective 6/17/94)

For those requirements for which THL is in compliance, THL will continue to comply with all applicable requirements, and for applicable requirements that become effective during the permit term, THL will meet such requirements in a timely manner.

24. Certification by a Responsible Official

WAC 173-401-520 (effective 11/4/93), WAC 173-401-630(1) (effective 11/4/93)

Any application form, report, or compliance certification submitted pursuant to this permit shall contain a certification by a responsible official of truth, accuracy, and completeness. This certification and other certification required by this permit shall state that, based on information and belief formed from reasonable inquiry, the statements and information in the document are true, accurate, and complete.

25. Permit Reopening

WAC 173-401-730 (effective 11/4/93)

The permit shall be reopened and revised under any of the following circumstances:

- a) Additional applicable requirements under the Act become applicable to THL with a remaining permit term of 3 or more years. Such reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the

requirement is later than the date on which the permit is due to expire unless the original permit or any of its terms and conditions has been administratively extended pursuant to WAC 173-401-620(2)(j) (effective 11/4/93).

- b) Additional requirements (including excess emissions requirements) become applicable to the permitted facility under the acid rain program. Upon approval by the EPA administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
- c) The YRCAA or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- d) The YRCAA or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

26. Open Burning

YRCAA Reg., I Section 3.03(C) (effective 3/8/00)

THL shall not conduct any open burning at the permitted facility without a written permit from YRCAA.

27. Asbestos Abatement

40 CFR 61 Subpart M (effective 11/20/90), YRCAA Reg. I Section 3.07 (state only, effective 3/8/00)

- a) THL shall comply with 40 CFR 61.145 (effective 1/16/91) and 61.150 (effective 1/16/91) when conducting any renovation or demolition activities at the facility.
- b) THL shall conduct an assessment of asbestos materials prior to any renovation or demolition activities at the facility. When asbestos materials are found, removal shall be conducted in accordance to the provisions set forth in 40 CFR 61.145 (effective 1/16/91).

28. Stratospheric Ozone and Global Climate Protection

40 CFR 82 Subpart F (effective 11/9/94), RCW 70.94.970(2) (state only, effective 1991), RCW 70.94.970(4) (state only, effective 1991)

- a) THL shall comply with the following recycling and emissions reduction standards for ozone depleting refrigerants:
 -) Required practices for maintenance, service repair or disposal of appliances containing ozone depleting refrigerants pursuant to 40 CFR 82.156 (effective 8/19/94);

- ii) Standards for recycling and recovery equipment used during the maintenance, service, repair or disposal of appliances containing ozone depleting refrigerants pursuant to 40 CFR 82.158 (effective 8/19/94).
 - iii) Certification requirements for technicians doing maintenance, service, repair or disposal of appliances containing ozone depleting refrigerants pursuant to 40 CFR 82.161 (effective 8/14/94).
- b) THL may switch from any ozone-depleting refrigerant to any approved alternative pursuant to the Significant New Alternatives Program (SNAP), 40 CFR Part 82, Subpart G (effective 7/30/92) but shall not switch to any unacceptable substitute listed in the same Section. [CFR 82.174, (effective 1/13/95)]
- c) THL shall not willfully release any regulated refrigerant from a motor vehicle air conditioning system, commercial or industrial air conditioning, heating, or refrigeration system and shall use refrigerant extraction equipment to recover regulated refrigerant when servicing, repairing or disposing of such systems. [RCW 70.94.970, state only, effective 1991].

II. Specific Terms and Conditions

THL shall comply with all the requirements identified in the following sections and tables including footnotes. All requirements are federally enforceable unless identified as "State only" by an "X" in the fourth column. Contents of the second and fifth columns are provided for information purposes only. The referenced regulation or regulatory order in the third column of the table is incorporated by reference and must be consulted for a complete statement of the requirements.

A. Facility-Wide Requirements

The facility-wide requirements in Table A apply universally to all emission units or activities and to specified types of emission units or activities as indicated. In case of conflict, the more stringent permit condition or limit shall apply to specified types of emission units or activities. Except as specified, IEU's are not subject to monitoring, recordkeeping, reporting requirements (MRRR=s) or compliance certification requirements.

TABLE A Facility-Wide Requirements						
Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
1	Visible emissions	WAC 173-400-040(1)(a and b) (effective 9/15/01)		maximum 20% opacity for three minutes in any one hour period.	EPA Method 9 (40 CFR Part 60, App. A, effective date 11/12/74)	See Footnote b) and f).
		YRCAA Reg. I, Sec. 3.01(C)(1)(a) (effective 3/8/00)				
2	Particle fallout	WAC 173-400-040(2) (effective	X	Prevent nuisance caused by fallout		See footnote b).

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
		9/15/01)				
		YRCAA Reg. I, Sec. 3.01(C)(1)(b)1 (effective 3/8/00)				
3	Fugitive emissions	WAC 173 400-040(3)subsections (a) & (b) (effective 9/15/01)		Take reasonable precautions to prevent release and use reasonable and available methods to control emissions		See footnotes a), b) and c)
4	Odors	WAC 173-400-040(4) (effective 9/15/01)	X	Keep nuisance odors at a reasonable minimum		See footnotes a), b) and c).
		YRCAA Reg. I, Sec. 3.01(C)(1)c (effective 3/8/00)				
5	Detriment to neighbors	WAC 173-400-040(5) (effective 9/15/01)		Prevent harm to neighbors caused by air emissions from the facility		See footnote b).
		YRCAA Reg. I, Sec. 3.01(C)(1)d (effective 3/8/00)				
6	Sulfur dioxide	WAC 173-400-040(6) (effective 9/15/01)		<= 1,000 ppm, dry basis, and for combustion processes, corrected to 7% O ₂ , 60 consecutive minute average	EPA Method 6 (40CFR Part 60, App. A, effective 10/28/87)	See footnote d)
		YRCAA Reg. I, Sec.3.01(C)(1)e				

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
		(effective 3/8/00)				
7	Concealment and masking	WAC 173-400-040(7) (effective 9/15/01)		No masking materials shall be used to conceal violation of emission limits or performance requirement.		See footnote c).
		YRCAA Reg. I, Sec.3.01(C)(1)f (effective 3/8/00)				
8	Fugitive dusts in PM ₁₀ non-attainment areas	WAC 173-400-040(8)(b) (effective 9/15/01)		Use reasonably available control technology to control emissions		See footnotes a), b) and c).
		YRCAA Reg. I, Sec.3.01(C)(1)(c)2 (effective 3/8/00)				
9	Emission standards: General process units	WAC 173-400-060 (effective 9/15/01)		<= 0.1 grains per dry standard cubic foot	EPA Method 5 (40CFR Part 60, App. A, effective 6/16/87)	See footnotes c).
		YRCAA Reg. I, Sec.3.01(E)(2) (effective 12/15/95)				
10	PM ₁₀ Emission Standards from Combustion sources	WAC 173-400-050 (1), (2) & (3) (effective 9/15/01)		☐ 0.1 grains per dry standard cubic foot	EPA Method 5 (40CFR Part 60, App. A, effective 6/16/87)	See Footnote c).
		YRCAA Reg. I, Sec. 3.01(D)(1)b. (effective 3/8/00)				
11	Used Oil	RCW 70.94.610,		Used oil may only be burned		See Footnote e)

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
	Combustion in the permitted facility	1991		as fuel for building heat in the permitted facility when when heat input capacity is < 0.5 million BTU/hr input and specified maximum pollutant concentration.		and c).
12	Particulate matter	YRCAA Reg. I, Sec.3.01(C)(1)b 1) & 2) (effective 3/8/00)		Take precautions to prevent air pollution from storage, handling, transportation of particulate matter.		See footnote a), b) and c).
13	Varying air emissions rate according to atmospheric conditions	WAC 173-400-205 (effective 9/20/93)	X	Prohibited except according to air pollution episode requirements.		See footnote c).
14	New Source Performance Standard (NSPS)	40 CFR Part 60 '60.7		THL shall comply with the notification and recordkeeping applicable requirements per indicated subsection '60.7.		See Footnote g).
15	New Source Performance Standard (NSPS)	40 CFR Part 60 '60.11(d)		Any affected facility shall be operated and maintained at all times consistent with good air pollution control practices for minimizing emissions.		See Footnotes a), b) and c)
16	New Source	40 CFR Part 60		No operation in the permitted		See Footnote c).

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
	Performance Standard (NSPS)	' 60.12		facility can be altered for the purpose of concealing violation of any applicable requirements.		
17	New Source Performance Standard (NSPS)	40 CFR Part 60 subpart WWW ' 60.752(b)		Calculate the Non-Methane Organic Compounds (NMOC) emission rates for the landfill per procedures in ' 60.754(a).	40 CFR Part 60 subpart WWW ' 60.754(a)	See Footnote h).
18	New Source Performance Standard (NSPS)	40 CFR Part 60 subpart WWW ' 60.752(b)(2)(i).		If the calculated NMOC in 17. is = to or greater than 50 megagrams / year, THL shall submit a collection and control system design plan prepared by a Professional Engineer.	40 CFR Part 60 subpart WWW ' 60.759(a)(2).	See Footnote i).
19	New Source Performance Standard (NSPS)	40 CFR Part 60 subpart WWW ' 60.752(b)(2)(iii) (A).		If a collection and control system in 18. is required, collected landfill gas shall be routed to a open flare designed and operated in accordance with ' 60.18.		See Footnotes m), n), and o).
20	New Source Performance Standard (NSPS)	40 CFR Part 60 ' 60.18(c)(1).		Flares shall be designed and operated with no visible emissions.	40CFR part 60 Appendix A, Reference Method 22	See Footnote j).
21	New Source Performance	40 CFR Part 60 ' 60.18(c)(2).		Flares shall be operated with a flame present at all times.	40 CFR Part 60 ' 60.18(f)(2).	See Footnote k).

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
	Standard (NSPS)					
22	New Source Performance Standard (NSPS)	40 CFR Part 60 '60.18(c)(3).		Flares shall be used only with the net heating value of the gas being burned to be 200 Btu/scf (7.45 megajoule/scm) or greater.	40 CFR Part 60 '60.18(f)(3).	See Footnote l).
23	National Emission Standards for Hazardous Pollutants (NESHAP)	40 CFR Part 61 subpart M, Asbestos NESHAP, '61.154(c).		All asbestos materials which have been deposited to an area designated asbestos disposal site in the THL shall be covered with ≥ 6 inches of compacted non-asbestos containing material within 24 hrs. of disposal. When visible emissions are observed from areas where asbestos materials are deposited, THL shall cover such areas with resinous or petroleum based dust suppression agent as frequent as prescribed by the supplier of the dust control material to be effective, to bind dust and control wind erosion. Other dust suppression		See Footnote c), and p).

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
				agents except, used, spent, or other waste oil, may be used upon prior approval by YRCAA and /or EPA administrator.		
24	National Emission Standards for Hazardous Pollutants (NESHAP)	40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(b).		THL shall install and maintain fencing and warning signs around the areas where asbestos materials have been deposited. Such signs shall be displayed every 330 ft., must be easily legible, with upright format signs (20"x 14") as specified in 29 CFR 1910.145(d)(4) and legend of content, style and size as specified in 40 CFR 61.154(b)(iii). The perimeter of the asbestos disposal site must be fenced to adequately deter public access.		See Footnote c).
25	National Emission Standards for Hazardous Pollutants (NESHAP)	40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(d).		THL shall use alternative control measures for emissions of deposited asbestos materials only after prior written approval from YRCAA and EPA administrator		None Required.

Item #	Pollutants or Regulatory Citation	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test or Compliance Method	MRRR=S [WAC 173-401-630 (1)]
				and according to the procedures in ' '61.149(c)(2).		
26	National Emission Standards for Hazardous Pollutants (NESHAP)	40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(g), (h).		THL shall notify YRCAA and the EPA administrator of planned landfill closure and comply with all provisions of ' 61.151.		See Footnote q).
27	New Source Performance Standard (NSPS)	40 CFR Part 60 subpart WWW ' 60.752(b)(2)(v).		The collection and landfill gas flare system may be capped or removed only when the conditions provided in the cited sub-section (column 3) are met.		See Footnote r).

Table A Footnotes:

- a) THL shall perform monthly audits of the facility to assure that the minimum precautions and reasonably available control technology are being applied for preventing unreasonable nuisance odors, fugitive emissions, fugitive dust and release of particulate air pollutants from landfill operations, storage, handling, or transporting of materials in the permitted facility. For the purposes of this condition, reasonable precautions shall include, but are not limited to the following:
- 1) Keeping all volatile materials in covered containers.
 - 2) Promptly cleaning up all spills.
 - 3) Using a street sweeper on paved roadways and staging areas as necessary to minimize dust accumulation.
 - 4) Spraying water or dust abatement materials on powdery dry back fill areas, storage piles and unpaved roadways as necessary to minimize fugitive dust.
- WAC 173-401-615(1) (effective 11/4/93)
- b) THL shall notify YRCAA within three days of receipt of any complaints. Receipt of a complaint may be used in conjunction with other material evidence to show a violation but is not necessarily a violation of the applicable requirement. Conversely, absence of complaint may be used in conjunction with other material evidence to show no violation. When the source of the complaint represents a potential imminent threat to human health or safety, THL shall take corrective action as soon as possible but no later than two hours after any confirmed legitimate complaint and associated problems. THL shall maintain a log at the plant site for a five year period of any and all complaints received. The log shall be available to YRCAA during inspections or upon request. The log shall include:
- 1) the time and date of the complaint,
 - 2) who originated the complaint (person, anonymous caller, YRCAA complaint referral, etc.),

- 3) what actions were taken to determine the cause of the complaint (e.g., an inspection revealed an equipment or control device failure),
- 4) what action(s) were taken, if any, to remedy the cause of the complaint (e.g., the equipment or control device was repaired), and
- 5) what action(s), if any, will be taken to reduce the likelihood of future complaints.

WAC 173-401-615(1) & (2) (effective 11/4/93)

c) Compliance certification:

For the source and for emissions units not otherwise requiring testing, monitoring, recordkeeping, or reporting under this permit, compliance with the requirement(s) associated with this footnote shall be demonstrated by submitting certification by the responsible official in accordance with WAC 173-401-520 (effective 11/4/93) stating, if true and correct, that other than required reported deviations, no violation of addressed applicable requirement or violation of specified emissions limit occurred in the permitted facility during the certification period.

The certification shall be submitted with the semiannual monitoring report (described in ' V of this permit).

WAC 173-401-630(5)c)1) (effective 11/4/93)

- d) Monitor and record (see Section IV) monthly usage and composition of any fuel other than natural gas or propane (< 2000 grains per million standard cubic feet sulfur). For processes using fuel types other than natural gas or propane (< 2000 grains per million standard cubic feet sulfur), SO₂ emissions must be determined through source testing using the indicated or equivalent test method.

WAC 173-401-615(1) & (2) (effective 11/4/93)

- e) If and when the permitted the facility utilizes used oil as fuel for building heat, used oil must not exceed the following maximum concentration of

contaminants:

- a) Cadmium: 2 ppm
- b) Chromium: 10 ppm
- c) Lead: 100 ppm
- d) Arsenic: 2 ppm
- e) Total Halogens: 1000 ppm
- f) PCB=s: 2 ppm
- g) Ash: 0.1 %
- h) Sulfur: 1.0 %
- i) Flash Pt.: 100° F

The capacity of the used oil building heat unit must not exceed 0.5 million BTU/hr heat input. THL must apply to YRCAA for a NSR per YRCAA Regulation I Section 4.02 (effective 3-8-2000) if and when it decides to utilize used oil in any combustion source in the permitted facility for building heat with more than 0.5 million BTU/hr heat input.

- f) Compliance with the opacity standard shall be monitored by assigning a person the responsibility for observing opacity from any other emission sources or equipment causing emissions. This assignment shall be part of this person=s regular duty at least once every three months, when the emission source or equipment causing emission are operating, during daylight hours, and under feasible weather conditions. Such monitoring shall meet the record keeping and reporting requirements that follow. This monitoring requirement does not eliminate the permittee=s on-going responsibility for the proper operation of the equipment to meet this applicable opacity requirement. Such monitoring shall be performed as follows:
 - 1) If observed opacity is zero percent (0%), record the observation [see (3), below].
 - 2) If opacity is greater than 0%, then do the following in addition to recording the observations:
 - i) Verify that the emission source is being operated properly. In other words, each emission control equipment or process causing the emission are performing their normal, designed function and are being operated according to standard procedures, and per the conditions under which compliance has been met in the past. If any of the emission source are not performing

according to design and procedures, initiate corrective action as soon as possible but within 48 hours. If the visible emissions persist after implementing the corrective action, proceed as below or inform YRCAA within 48 hours of the persistent visible emissions. Taking any corrective action does not negate any associated reporting requirements below [see (f) 3.].

- ii) Perform a check via a certified opacity reader, in accordance with 40 CFR, Appendix A, Method 9 (effective 12/23/71). Such opacity evaluation shall be conducted, as soon as possible but within 48 hours, to determine the opacity level of the emission point. If the evaluation determines opacity is greater than 20 percent, appropriate and timely action shall be initiated (as soon as possible but within 24 hours) to identify and correct the problem causing the opacity. If the opacity is less than 20 percent, continue visible emissions evaluation until 0 percent opacity using Method 9 during daylight hour shifts. These opacity readings must be taken after the period/s of adjustments to the equipment to operate with no visible emissions as before. If the opacity remains above 20 percent even after taking all corrective actions, THL must report the persistent apparent violation to YRCAA immediately after all corrective measures are exhausted or simply shut down the operation causing the violation. Taking any corrective action does not negate any associated reporting requirements below [e) 3.].

(3) Recordkeeping:

The records of opacity inspections shall contain the following and be maintained at the plant site for a five year period and made available during inspections or when requested by YRCAA:

- i) Date and time of inspection.
- ii) Equipment stack, vent, or other identification.
- iii) Operational status/condition of the associated equipment.
- iv) Observed results and conclusions.
- v) Description of corrective action taken to resolve any observed opacity.
- vi) Date and time opacity problem is resolved.
- vii) EPA Method 22 (effective 12/23/71) results if opacity evaluation is conducted.
- viii) Name of person(s) performing the inspection, measurement, or monitoring.

WAC 173-401-615(1) & (2) (effective 11/4/93)

- g) Notification and Recordkeeping Requirements for landfill gas collection system and flare:
- 1) THL shall furnish the EPA Administrator and YRCAA (per Section IV 1.) written notification of the following:
 - i) a notification of the date construction of the landfill gas collection system is commenced postmarked no later than 30 days after such date;
 - ii) a notification of the anticipated date of initial startup of the gas collection system flare postmarked no more than 60 days nor less than 30 days prior to such date; and,
 - iii) a notification of the anticipated date for conducting the opacity observations required in 40CFR 60 subsection 60.11(e)(1).
 - 2) THL shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the landfill gas collection system flare. Records shall be maintained for at least two years following the date of such occurrences.
- h) THL shall collect and analyze landfill gas samples for non-methane organic compounds (NMOC) concentration in accordance with the methods prescribed in 40 CFR 60.754(a)(4) no later than September 11, 2002. THL shall use the new site specific NMOC to calculate NMOC mass emission rate. If the calculated NMOC mass emission rate is less than 50 megagrams per year, THL may either continue to report results annually or submit an estimate of the NMOC mass emission rate for the next 5-year period in lieu of the annual report. If THL elects to submit an estimate of the NMOC mass emission rate for the next 5-year period THL, this estimate shall include the current amount of solid waste in-place and the estimated waste acceptance rate for each year of the 5-year period for which the NMOC emission rate is estimated. This estimate shall be revised once every 5 years and include a new retest of the site-specific NMOC concentration. If the actual solid waste acceptance rate exceeds the estimated solid waste acceptance rate in any one year reported in the 5-year estimate, a revised 5-year estimate shall be submitted within April 15th of the year following the year the estimated solid waste acceptance rate was actually exceeded. The revised estimate shall cover the 5-year period beginning with the year in which the actual solid waste acceptance rate exceeded the estimated solid waste acceptance rate. The NMOC emission rate report shall include all data, calculations, sample reports, and measurements used to estimate the annual or 5-year emissions. Reports shall be submitted to the recipient as prescribed in Section IV 3. a) and b) on or before April 15th following the year-end of the reporting period.

If the calculated NMOC emission rate using site-specific NMOC concentration is equal to or greater than 50 Mg per year, then THL shall either comply with Item 18 through 22 of Table A or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate in accordance with the procedures in 40 CFR 60.754(a)(4). If the NMOC emission rate is less

than 50 Mg per year using the site-specific NMOC concentration and site-specific methane generation rate, then THL shall follow the reporting requirements as described above in this footnote. If the NMOC emission rate is equal to or greater than 50 Mg per year, then THL shall comply with Items 18 through 22 of Table A.

- i) THL shall submit a gas collection and control design plan signed by a professional engineer to certify that the collection devices within the interior and along the landfill perimeter areas will achieve comprehensive control of surface gas emissions. This plan shall meet the specifications in 40 CFR part 60 subpart WWW subsection 60.759. THL may submit an alternative gas collection and control system design plan not conforming to the specifications in subsection 60.759 provided that supporting documentation which demonstrate sufficiency to the provisions in subsection 60.759 is submitted, reviewed and approved by YRCAA and/or EPA administrator. All plans and/or supporting documentation shall be submitted within year of issue date of this Title V permit to addressee specified in Section IV 1. a) and b). If THL submits a plan for a passive gas collection system, this system shall meet the requirements specified in 40 CFR part 60 subpart WWW subsection 60.752 b)(ii)(B). THL shall install the passive collection system or the approved alternative gas collection system within 12 years of approval.
- j) Initial compliance with the no visible emission requirements for the flares shall be conducted within 60 days of completing installation of the flares and required ancillary equipment. Continuous compliance with the opacity standard shall be monitored by assigning a person the responsibility for observing opacity from the landfill flares. This assignment shall be part of this person=s regular duty at least once every three months, when the flare is operating, during daylight hours, and under feasible weather conditions. Such monitoring shall meet the record keeping and reporting requirements that follow. This monitoring requirement does not eliminate the permittee=s on-going responsibility for the proper operation of the flares to meet this applicable opacity requirement. Such monitoring shall be performed as follows:
 - 1) Observed compliance with no visible emission requirement of each flare using 40 CFR part 60, Appendix A Method 22. The observation period is 2 hours. Record the observations [see (3), below].
 - 2) If visible emission is observed, then do the following in addition to recording the observations:
 - i) Verify that each flare is being operated properly. In other words, each flare is performing its normal, designed function and is being operated according to standard procedures, and per the conditions under which compliance has been met in the past. If any of the flares are not performing according to design and procedures, initiate corrective action as soon as possible but

within 48 hours. If the visible emissions persist after implementing the corrective action or inform YRCAA within 48 hours of the persistent visible emissions. Taking any corrective action does not negate any associated reporting requirements below [see (f) 3.].

(3) Recordkeeping:

The records of observations shall contain the following and be maintained at the landfill site for a five year period and made available during inspections or when requested by YRCAA:

- i) Date and time of observation.
- ii) Flare stack, vent, or other identification.
- iii) Operational status/condition of the associated flare.
- iv) Observed results and conclusions.
- v) Description of corrective action taken to resolve any observed visible emissions.
- vi) Date and time opacity problem is resolved.
- vii) EPA Method 22 (effective 12/23/71) results.
- viii) Name of person(s) performing the inspection, measurement, or monitoring.

WAC 173-401-615(1) & (2) (effective 11/4/93)

- k) THL shall monitor the presence of flare pilot flame using a heat sensing device such as ultra violet beam sensor or thermocouple or any other equivalent device to detect the presence of flame. Extinguished flare pilot flame shall be immediately re-ignited.
- l) THL shall calculate the net heating value of the gas being combusted in a flare using the method specified in 40CFR part 60 subsection 60.18(f)(3). Initial compliance with this requirement shall be completed within 60 days after complete installation of the flare gas control system. THL shall conduct such calculations at least once every month thereafter. Records of such calculations shall be maintained at the permitted facility and be made available when requested by authorized YRCAA during routine inspections.

m) THL shall calibrate, maintain, and operate according to the flare gas control system manufacturers specifications the following equipment:

- 0) A heat sensing device to indicate the continuous presence of a flame in the flares.
- 2) A device that records flow to or bypass of the flare. THL shall either:
 - i) Install, calibrate, and maintain a gas flow rate measuring device at least every 15 minutes; or
 - ii) Secure the by-pass line valve in the closed position with a car-seal or lock-and-key configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the by-pass line.

THL may provide alternative monitoring procedures and practices consistent with design and operation of the alternative gas collection system when submitted as specified in Footnote I) or j) above. Such alternative monitoring procedures and practices shall be implemented. YRCAA and/or the EPA administrator after appropriate review, may require such monitoring procedures and practices to be modified and thereafter implemented.

[40 CFR Part 60 subpart WWW ' 60.756(c) effective 3/12/1996].

n) THL shall comply with the following reporting requirements for the gas flare control system:

- 1. THL shall submit an initial NMOC emission rate report to YRCAA and EPA administrator within 90 days after the issue date of this air operating permit. This report shall also include all the results in the specified requirements in Footnote h).
- 2. THL shall submit to YRCAA and EPA administrator reports of the following recorded information:
 -) Description and duration of all periods when gas stream is diverted from the flares through a bypass line or indication of bypass flow.
 - ii) Description and duration of all periods when the flares are not operating for any period exceeding 1 hour.

iii) Description and duration of all periods when the gas collection system was not operating in excess of 5 days.

3. The initial annual report shall be submitted within 180 days of installation and start-up of collection and flare control system and shall include the initial visible emission compliance evaluation results in Footnotes j), l) and n).

[40 CFR Part 60 subpart WWW ' 60.757 effective 3/12/1996].

o) THL shall keep the following readily accessible records of the gas flare control system:

- 1) For the life of the gas flare control system, the results of initial performance test or compliance determination in Footnotes j), l) and m).
- 3) Up-to-date continuous records of all related flame or flare pilot flame monitoring requirements in Footnote k) for at least 5 year period.
- 4) For the life of the gas flare control system, the plot map showing each existing and planned gas collector in the system and providing a unique identification location label for each gas collector.
- 5) For the life of the gas flare control system, the records of installation date and location of all newly installed gas collectors.

[40 CFR Part 60 subpart WWW ' 60.758 effective 3/12/1996].

p) For all the asbestos materials deposited on the designated asbestos landfill area in the permitted site, THL is required to comply with the following monitoring, record keeping and reporting requirements:

- 1) THL shall maintain asbestos waste shipment records containing the following information:
 - i) The name, address, and telephone number of the waste generator and transporter (shipper);
 - ii) The quantity of the asbestos-containing waste material in cubic meters or cubic yards;

- iii) The presence of improperly enclosed or uncovered asbestos-containing waste material not sealed in leak-tight containers. THL shall report in writing to YRCAA by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. THL must submit a copy of the waste shipment record along with the report; and
 - iv) The date of the receipt.
- 2) THL shall send a copy of the signed waste shipment record to the waste generator as soon as possible but no longer than 30 days after receipt of asbestos or asbestos-containing wastes.
 - 3) THL shall attempt to reconcile with the waste generator any discrepancy between the quantity of waste indicated on the waste shipment records and the quantity actually received. THL must report in writing to YRCAA if the discrepancy is not resolved within 15 days after receiving the waste. THL must submit a copy of the waste shipment record along with the report which describes the discrepancy and attempts to reconcile such waste records.
 - 4) THL must retain a copy of all records and reports required in Footnote p) 1), 2), 3) above for at least a 2 year period. [40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(e).]
 - 5) THL shall maintain, until closure, records of the location, depth and area, and quantity in cubic yards/tons of asbestos-containing waste materials within the disposal site on a map or diagram of the disposal area. [40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(f).]
 - 6) THL shall notify YRCAA and the EPA administrator at least 45 days prior to any planned activities which will disturb any asbestos containing waste material that has been deposited on the landfill site and is covered. Any change in the actual excavation start date shall be submitted to YRCAA or EPA Administrator 10 days prior to actual start date and in no event shall excavation be commenced without such notification. Initial notification shall include:
 - i) Scheduled excavation starting and completion dates;
 - ii) Reason/s for disturbing the waste;

- iii) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. YRCAA or the EPA Administrator may require changes in the emission control procedures to be used; and
 - iv) Location of any temporary storage site and final disposal site of excavated asbestos-containing material.
- 7) THL may maintain a 10-yard sealed drop-box container in a secured area within the landfill facility for temporary storage of small quantities of asbestos materials but for ultimate disposal at the asbestos disposal site. At no time shall the asbestos material be stored in the drop-box container when it is not sealed and located in a secured area. At no time shall there be any spilled asbestos material visible in the immediate vicinity of the secured container.

[40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(j).]

- q) Upon closure of the landfill, THL shall submit to YRCAA and EPA Administrator a copy of records of quantities of asbestos and asbestos-containing materials delivered to the landfill site for disposal. Such records shall also include specific locations of all asbestos waste disposal areas in the landfill site. THL shall furnish upon request by YRCAA or the EPA Administrator or authorized representatives during routine inspection, all records maintained in compliance with the requirements in Footnotes d) to q).

[40 CFR Part 61 subpart M, Asbestos NESHAP, ' 61.154(g), (h).]

- r) THL shall cap and remove the gas collection and control system only after all the following conditions are met:
- 1) The landfill shall no longer be accepting solid waste and be permanently closed after complying with applicable provisions in Table A, Item 27;
 - 2) The collection and control system shall have been in operation a minimum of 15 years; and
 - 3) Following the procedures specified in ' 61.154(b), the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart and no more than 180 days apart.

B. Unit Specific Requirements

In addition to the facility wide requirements in **Table A**, the following specific emission unit must also comply with the cited specific requirements indicated **Table B**:

WOOD WASTES AND YARD DEBRIS RECLAIMING AREA

There are no on-going testing requirements specific to the above reclaiming area. Emissions from any other operations in the landfill facility not addressed in other sections in this permit are subject to any testing, monitoring, recording and reporting requirements as shown in **Section II A, Facility-Wide Requirements**. The specific requirement outlined in **Table B** below does not exempt the Wood Waste Chipper/Grinder of applicable unspecified requirements in **Section II A, Facility-Wide Requirements**:

Table B Requirement for Wood Waste Chipper/ Grinder						
Item #	Pollutants or Regulatory Requirement	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test Method	MRRR=S [WAC 173-401-630 (1)]
1.	Visible Emissions	NSR # NSR_06_THL_01 (issued 12/29/01) II. Approval Conditions 1 & 2.		maximum 10% opacity for three minutes in any one hour period.	EPA Method 9 (40 CFR Part 60, App. A, effective date 11/12/74)	See Footnote a) and Footnote b).
2.	NO _x Emissions	NSR # NSR_06_THL_01 (issued 12/29/01) II. Approval Condition 3.		Fuel Injection Timing angle retard at maximum 4 degrees.		See Footnote c) and Footnote b).

Item #	Pollutants or Regulatory Requirement	Applicable Requirement	State only	Emission Limit or Brief Description of Requirements	Reference Test Method	MRRR=S [WAC 173-401-630 (1)]
3.	Limitation on Schedule of Operation	NSR # NSR_06_THL_01 (issued 12/29/01) II. Approval Condition 4.		Maximum of 6 hours per day, 4 days per week, or 250 days per year.		See Footnote d).
4.	Operation and Maintenance (O&M)	NSR # NSR_06_THL_01 (issued 12/29/01) II. Approval Condition 5.		Maintain O&M, update as necessary and implement routinely.		See Footnote e) and Footnote b)
5.	Limitation on Fuel Grade	NSR_06_THL_01 (issued 12/29/01) II. Approval Condition 6 & 10.		Use only grade #2 diesel fuel. Switch to ultra low sulfur diesel fuel when available locally in bulk.		See Footnote f).
6.	Chipper/Grinder Engine Emissions Control	NSR_06_THL_01 (issued 12/29/01) II. Approval Condition 9.		Chipper/grinder engine replacement with air emissions control equipment.		See Footnote g).

Table B Footnote:

- a) Visible emissions from the wood waste chipper/grinder engine exhaust and conveyor discharge as measured in accordance with 40 CFR Part 60, Appendix A, Method 9, shall not exceed an opacity of ten percent (10%). THL shall assign an operator to conduct at least once a week, visual opacity inspections of the engine exhaust, grinder, and conveyor discharge during daylight hours and such times that the equipment are in operation. Visual inspections shall

consist of visual survey of the stack or emission point to identify those which exhibit opacity greater than zero per cent (visible emissions detected). Visual evaluation shall not take the place of O&M implementation required in Approval Condition 4. Whenever visible emissions other than condensed uncombined water vapor are observed during the inspection, indicated by complaint, or are otherwise observed, THL shall do the following:

1. Verify and certify that the chipper/grinder is performing its normal designed functions, is being operated according to O&M procedures, and being operated under conditions which have resulted in compliance in the past. If the equipment is not performing according to design and procedures, THL shall take corrective action within 48 hours. Corrective actions taken shall not take the place of reporting requirements for deviation or other credible evidence indicating a deviation.
2. Conduct an opacity evaluation by a certified opacity reader in accordance with 40 CFR 60, Appendix A, Method 9. Such opacity evaluation shall be conducted within 48 hours to verify compliance with 10 % opacity standard. If opacity is 10 % or greater, appropriate and timely action shall be taken, but no later than 48 hours to identify and correct the problem causing the opacity. Corrective action taken shall not take the place of any reporting requirements for such deviations.
3. If the opacity above 10% persists at the grinder discharge plume or conveyor discharge, THL shall spray moisture or other dust palliative materials to the wood or yard waste feed input to reduce dust emissions.
4. If the opacity above 10% persists at the 460 hp engine exhaust, THL shall cease the chipping/grinding operation until the opacity problem is resolved and report the opacity problem to YRCAA within 48 hours after the 10% opacity standard has been exceeded.

b) O & M and inspections records as well as opacity evaluation records in Approval Conditions 1. above shall be maintained and shall contain the following:

1. Date and time of inspection;
2. Stack, vent, or emission point identification;

3. Operational status/condition of the associated emission unit;
4. Observed results and conclusions;
5. Description of corrective action taken to resolve any observed opacity;
6. Date and time opacity problem is resolved;
7. EPA Method 9 results if opacity evaluation is conducted;
8. Name of person(s) performing the inspection, measurement, or monitoring.

These records shall be maintained at the plant site for at least 5 years and be made available during inspections or when requested by YRCAA.

- c) THL shall insure that the fuel injection timing of the chipper/grinder 460 diesel engine is retarded to four (4) degrees or shall be retarded to a timing angle in degrees which will not cause opacity greater than 10% at the engine exhaust using the opacity measurement in Approval Condition 1. Fuel injection timing retard shall be reset at the prior determined level during the regularly scheduled maintenance, but at a minimum, once a year.
- d) THL shall not operate the chipping/grinding operation more than 6 hours per day, 4 days per week, or 250 days per year. The operator shall log the date, the start and end times of the chipping/grinding actual operations. Records shall be maintained for at least five years and be available when requested by authorized YRCAA representatives.
- e) THL shall implement site-specific operation and maintenance (O&M) procedures based on the wood chipper/grinder manufacturers operations manual or plant operations experience. Whenever any physical modification of the grinder and/or the engine, or any other operating procedures are instituted, the O&M documents shall be updated and any modification shall be implemented to reflect changes.

Such O&M procedures shall include but not be limited to:

- 1) required lubrication of moving parts of the chipper/grinder and ancillary equipment per manufacturer=s recommendation, if any;

- 2) required chipper/grinder engine scheduled maintenance, i.e., injector calibration, timing check, as recommended by the manufacturer;
- 3) inspection and replacement of ancillary equipment or parts for normal wear and tear as specified by the equipment manufacturer, if any.

A copy of such O&M procedures shall be made available to authorized Yakima Regional Clean Air Authority (YRCAA) personnel as requested.

- f) THL shall use only highway grade #2 diesel as the fuel for the chipper/grinder engine. THL shall keep and maintain records of the monthly usage of this diesel fuel. These records shall be reported to YRCAA every six months.
- g) When the usable life of the wood and yard wastes chipping/grinding equipment is reached but no later than January 2008, the engine of the replacement unit shall have mandated engine emissions control for particulate and NO_x pollutants at the time of replacement.

III. Monitoring and Recordkeeping Requirement

Where details of Monitoring and Recordkeeping are not provided in Section II above, THL shall provide specified monitoring in accordance with the following provisions sufficient to yield reliable data from the relevant time period that are representative of the source=s compliance with the permit in accordance with WAC 173-401-615(1)(b) (effective 11/4/93). Unless otherwise specified, recordkeeping shall be sufficient to fulfill the reporting requirements associated with monitoring.

1. THL shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in place, and the year-by-year waste acceptance rate. Of-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40CFR Part 60, subpart WWW ' 60.758 (a), effective 3/12/96]
2. THL shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from gas collection as provided in ' 60.759 (a)(3)(i) as well as any nonproductive areas excluded from gas collection as provided in ' 60.759 (a)(3)(ii). [40CFR Part 60, subpart WWW ' 60.758 (d)(2), effective 3/12/96]

3. Recordkeeping of Emissions Related Changes

THL shall provide a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes in accordance with WAC 173-401-615(2)(b) (effective 11/4/93).

4. Records and Monitoring

Upon notification by YRCAA, THL shall keep records on the type and quantity of emissions from the permitted facility and other information deemed necessary to determine compliance to the emission limitations and control measures of this permit. [WAC 173-400-105 (effective 10/14/96)]

5. Required Recordkeeping for Monitoring

Whenever applicable, records of required monitoring shall include:

- i. Date, place as defined in the permit, and time of sampling or measurement;
- ii. Date analyses were performed;
- iii. Company or entity performing the analyses;
- iv. Analytical methods used;
- v. Results of such analyses, and
- vi. Operating conditions existing at the time of sampling or measurement.

WAC 173-401-615(2)(a) (effective 11/4/93)

6. Documentation and Monitoring Records on File

THL shall retain records of all required monitoring data and support information for a period of five years from the date of monitoring sample, measurement, report, or applications. Support information includes all calibration and maintenance records and all original strip-chart recordings of continuous monitoring instruments, and copies of all reports required by this permit. All such records and documents shall be accessible to YRCAA staff as requested during routine or compliance inspection. [WAC 173-401-615(2)(c) (effective 11/4/93)]

IV. Reporting Requirements

In addition to specified reporting requirements in Table A above, the following reporting requirements and other provisions are applicable to the entire facility:

1. THL shall submit an initial design capacity report to the YRCAA and EPA administrator no later than 90 days after the issue date of this Title V permit.

The initial design capacity report shall contain the following information:

- a) The date/s of initial construction or any subsequent reconstruction of the landfill.
- b) A map or plot of the landfill, providing the size and location of the landfill, and identifying all the areas where solid waste may be landfilled according to the provisions of this Title V permit.
- c) The maximum design capacity of the landfill. A copy of any permit issued to THL which limit the maximum designed capacity if the landfill shall be included in this report. If the maximum design capacity of the landfill is not specified in any permit, THL must submit appropriate documentation which will demonstrate how such maximum designed capacity is determined.

THL shall submit a report to YRCAA and EPA administrator of any amendment to the operations of the permitted landfill site which result in any increase of the reported maximum designed capacity. The amended designed capacity report shall be submitted within 90 days of the issuance of a new source review permit, or the placement of waste in additional land, or the change in operating procedures which will result in increased maximum design capacity, whichever occurs first.

2. THL shall submit records generated in Section III, Monitoring and Recordkeeping Requirement, Item 2. Such documents shall be provided to YRCAA or EPA Administrator upon request. [40CFR Part 60, subpart WWW ' 60.758 (d)(2), effective 3/12/96]

3. Report recipient:

- a) All reports referenced in all reporting requirements shall be addressed to:

Control Officer
Yakima Regional Clean Air Authority
6 South 2nd Street
Room 1016 Larson Building
Yakima, WA 98901

- b) When specified, in addition to the report recipient in 1. a), reports shall also be sent to:

U.S. EPA Region X Administrator
1200 Sixth Avenue
Seattle, WA 98101

4. Emissions Inventory:

THL shall submit an inventory of emissions from the entire facility on appropriate forms provided by YRCAA within 105 days of the beginning of each calendar year. [WAC 173-400-105(1) (effective 10/14/96), YRCAA Reg. 1, Section 5.11J (state only, effective 12/15/95)]

5. Monitoring Report:

THL shall submit to YRCAA the required monitoring reports at least once every six months. All instances of deviations from the permit requirements shall be clearly identified in such reports. All required reports must be certified by a responsible official consistent with WAC 173-400-520. One of the semi-annual reports shall be submitted with the annual emissions inventory report. [WAC 173-401-615(3)(a) (effective 11/4/93)]

6. Deviation or Noncompliance Report:

THL shall report to the YRCAA any deviation and/or failure to comply with any requirement of this Operating Permit within 30 days after the date of deviation and/or non-compliance. This report shall include probable cause and remedial steps taken by THL to comply and prevent recurrence of similar incident(s). In case of breakdown or upset conditions which result in exceedance(s) to air emission limits or non-compliance with any requirement of this Permit, THL shall take immediate corrective action. THL shall report the event(s) by the next working day through telephone or fax followed by a written account ***within thirty days*** of the incident(s). Deviation and/or upset condition considered as unavoidable as defined in WAC 173-400-107 (effective 9/20/93) shall be treated as provided in Condition 16 of Section I (Permit General Terms and Conditions). For any deviations which represent a potential threat to human health or safety, THL must report the deviation as soon as possible, but in no case later than twelve hours after the deviation is discovered. THL shall maintain a contemporaneous record of all deviations. [WAC 173-401-615(3)(b) (effective 11/4/93)]

V. Compliance Certification

THL shall review the compliance status of the permitted facility for each calendar year. THL shall evaluate the compliance status of the facility with the applicable requirements of this Operating Permit. A Permit Compliance Certification for the operation of the permitted facility shall be submitted to the Yakima Regional Clean Air Authority and the Administrator of the United States Environmental Protection Agency, Region X. The Certification shall include compliance status of the facility with each of the requirements in Sections I, II, and III, of this Permit. The Certification shall also describe how compliance is achieved over the reporting period as specifically provided for in WAC 173-401-630(5)(b) and WAC 173-401-630(5)(c) (effective 11/4/93). On or before the 105th day after the end of each calendar year (April 15th), required annual Compliance Certification shall be submitted with the Emissions Inventory Report and signed by a Responsible Official of THL consistent with WAC 173-401-520 (effective 11/4/93). Required specific semi-annual Compliance Certification shall be submitted with other specified semi-annual or quarterly reporting requirements on or before October 15th of each calendar year. No Compliance Certification shall be required for plant operation less than a consecutive three month period.

VI. Inapplicable Requirements

THL listed certain laws, regulations and other requirements in its permit application (Table 2-1) which were cited as inapplicable to the facility. YRCAA does not agree in all cases. YRCAA agrees that some of the requirements listed by THL are inapplicable to this facility at the time of issuance of this air operating permit. YRCAA=s corresponding explanations are given in the THL Air Operating Permit Basis Statement, A. 6), **Table B**.

VII. Permit Shield

1. Requirements Shielded by Permit Conditions

Compliance with the conditions of this permit is considered compliance with the applicable requirements indicated in Section II. Table A (Overall Facility Requirements), and Section II. Tables 1, 2, 3, 4, 5, 6, and 7 (Unit Specific Requirements) above. [WAC 173-401-640(1) (effective 11/4/93)]

2. Non-Applicable or Exempt Requirements Covered by the Permit Shield

The requirements shown in Section VII (Inapplicable Requirements) above have been determined not to apply to the permitted facility due to either inapplicability of the requirement or the exclusion of the permitted facility and/or any operations therein from the category of activities subject to the stated requirements. The basis for determination of inapplicability or exemption is indicated with each requirement (Table B). This permit shall shield the permitted facility from requirements specified in Section VII 1. above unless applicability of the requirement is triggered by any future action which will change applicability conditions or cause emissions to increase. [WAC 173-401-640(2) (effective 11/4/93)]

3. Permit Shield Limitations

As provided in WAC 173-401-640(4) (effective 11/4/93), nothing in this permit shall alter or affect the liability of THL for:

- a) The provisions of Section 303 of the FCAA (emergency orders), including the authority of the Administrator under that section,
- b) The liability of an owner or operator of THL for any violation of applicable requirements prior to or at the time of permit issuance,
- c) The applicable requirements of the acid rain program, consistent with section 408(a) of the fCAA,
- d) The ability of EPA to obtain information from THL pursuant to section 114 of the fCAA, or
- e) The ability of the permitting authority to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.