



State Registration Number

N5619

Michigan Department of Environmental Quality
Air Quality Division

**RENEWABLE OPERATING PERMIT
STAFF REPORT**

ROP Number

MI-ROP-N5619-2009

Pitsch Sanitary Landfill

SRN: N5619

Located at

7905 Johnson Road, Belding, Michigan 48809

Permit Number: MI-ROP-N5619-2009

Staff Report Date: July 6, 2009

This Staff Report is published in accordance with Sections 5506 and 5511 of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Specifically, Rule 214(1) requires that the Michigan Department of Environmental Quality (MDEQ), Air Quality Division (AQD), prepare a report that sets forth the factual basis for the terms and conditions of the Renewable Operating Permit (ROP).

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Purpose

Major stationary sources of air pollutants, and some non-major sources, are required to obtain and operate in compliance with a ROP pursuant to Title V of the federal Clean Air Act of 1990 and Michigan's Administrative Rules for air pollution control pursuant to Section 5506(1) of Act 451. Sources subject to the ROP program are defined by criteria in Rule 211(1). The ROP is intended to simplify and clarify a stationary source's applicable requirements and compliance with them by consolidating all state and federal air quality requirements into one document.

This report, as required by Rule 214(1), sets forth the applicable requirements and factual basis for the draft permit terms and conditions including citations of the underlying applicable requirements, an explanation of any equivalent requirements included in the draft permit pursuant to Rule 212(5), and any determination made pursuant to Rule 213(6)(a)(ii) regarding requirements that are not applicable to the stationary source.

General Information

Stationary Source Mailing Address:	Pitsch Sanitary Landfill, Inc. 675 Richmond, NW Grand Rapids, Michigan 49504
Source Registration Number (SRN):	N5619
North American Industry Classification System (NAICS) Code:	4953
Number of Stationary Source Sections:	1
Is Application for a Renewal or Initial Issuance?	Initial Issuance
Application Number:	200700107
Responsible Official:	Steven Pitsch, President 616-363-4895
AQD Contact:	Dave Morgan, Environmental Quality Analyst 616-356-0009
Date Permit Application Submitted:	September 18, 2007
Date Application Was Administratively Complete:	October 2, 2007
Is Application Shield In Effect?	No
Date Public Comment Begins:	July 6, 2009
Deadline for Public Comment:	August 5, 2009

Source Description

The Pitsch Sanitary Landfill is a municipal solid waste landfill located in Belding, in Ionia County, Michigan. In landfills, natural biological processes produce leachate and landfill gas from the breakdown of waste constituents. Initially, decomposition is aerobic until the oxygen supply is exhausted. Anaerobic decomposition of buried refuse creates most of the landfill gas. Landfill gas (LFG) consists mainly of methane, carbon dioxide, and non-methane organic compounds (NMOC). The NMOC fraction consists of various organic hazardous air pollutants (HAP), greenhouse gases, and volatile organic compounds (VOC).

The Pitsch Sanitary Landfill began operation in the 1980's and currently has a design capacity greater than 2.5 million cubic meters. The facility consists of eight solid waste disposal cells. Cells 1 through 4 are at final grade and capped, Cells 5 & 6 are active, and Cells 7 & 8 are permitted but not constructed. There is also a closed fill area which was closed in 1992. The company plans to collect landfill gas using passive wells and route the gas to vent flares.

The following table lists stationary source emission information as reported to the Michigan Air Emissions Reporting System in the **2007** submittal.

TOTAL STATIONARY SOURCE EMISSIONS

Pollutant	Tons per Year
Non-methane organic compounds (NMOC)	6.19

**As listed pursuant to Section 112(b) of the federal Clean Air Act.

See Parts C and D in the draft ROP for summary tables of all processes at the stationary source that are subject to process-specific emission limits or standards.

Regulatory Analysis

The following is a general description and history of the source. Any determinations of regulatory non-applicability for this source are explained below in the Non-Applicable Requirement part of the Staff Report and identified in Part E of the ROP.

The stationary source is located in Ionia County, which is currently designated by the U.S. Environmental Protection Agency (USEPA) as attainment/unclassified for all criteria pollutants.

The stationary source is subject to 40 CFR Part 70 because it is subject to 40 CFR Part 60, Subpart WWW which requires the stationary source to obtain a Renewable Operating Permit with a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters.

The stationary source is not considered a major source of Hazardous Air Pollutant (HAP) emissions because the potential to emit of any single HAP regulated by the Clean Air Act, Section 112 is less than 10 tons per year and the potential to emit of all HAP combined are less than 25 tons per year.

The stationary source is subject to the New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills promulgated in 40 CFR Part 60 Subparts A and WWW.

The stationary source is subject to the Maximum Achievable Control Technology Standards (MACT) for Municipal Solid Waste Landfills promulgated in 40 CFR Part 63, Subparts A and AAAA.

The monitoring conditions contained in the ROP are necessary to demonstrate compliance with all applicable requirements and are consistent with the DEQ's "Procedure for Evaluating Periodic Monitoring Submittals."

Please refer to Parts B, C and D in the draft ROP for detailed regulatory citations for the stationary source. Part A contains regulatory citations for general conditions.

Source-wide Permit to Install (PTI)

Rule 214a requires the issuance of a Source-wide PTI within the ROP for conditions established pursuant to Rule 201. All terms and conditions that were initially established in a PTI are identified with a footnote designation in the integrated ROP/PTI document. PTIs issued after the effective date of ROP No. MI-ROP-N5619-2009 are identified in Appendix 6 of the ROP.

The following table lists all individual PTIs that were incorporated into previous ROPs.

PTI Number			
NA	NA	NA	NA

Equivalent Requirements

This permit does not include any equivalent requirements pursuant to Rule 212(5). Equivalent requirements are enforceable applicable requirements that are equivalent to the applicable requirements contained in the original PTI, a Consent Order/Judgment, and/or the State Implementation Plan.

Non-applicable Requirements

Part E of the draft ROP lists requirements that are not applicable to this source as determined by the AQD, if any were proposed in the application. These determinations are incorporated into the permit shield provision set forth in Part A (General Conditions 26 through 29) of the draft ROP pursuant to Rule 213(6)(a)(ii).

Processes in Application Not Identified in Draft ROP

There were no processes listed in the ROP application as exempt devices under Rule 212(4). Exempt devices are not subject to any process-specific emission limits or standards in any applicable requirement.

Draft ROP Terms/Conditions Not Agreed to by Applicant

This permit does not contain any terms and/or conditions that the AQD and the applicant did not agree upon pursuant to Rule 214(2).

Compliance Status

The AQD finds that the stationary source is expected to be in compliance with all applicable requirements at the time of issuance of the ROP except for requirements listed in Appendix 2 of the draft ROP. The table in Appendix 2 contains a Schedule of Compliance developed pursuant to Rule 119(a)(i). The applicant must adhere to this schedule and provide the required certified progress reports at least semiannually or in accordance with the schedule in the table. A Schedule of Compliance for any applicable requirement that the source is not in compliance with at the time of permit issuance is supplemental to, and shall not sanction non-compliance with, the applicable requirements on which it is based.

Action taken by the DEQ

The AQD proposes to approve this permit. A final decision on the ROP will not be made until the public and affected states have had an opportunity to comment on the AQD's proposed action and draft permit. In addition, the U.S. Environmental Protection Agency (USEPA) is allowed up to 45 days to review the draft permit and related material. The AQD is not required to accept recommendations that are not based on applicable requirements. The delegated decision maker for the AQD is Heidi G. Hollenbach, Grand Rapids District Supervisor. The final determination for ROP approval/disapproval will be based on the contents of the permit application, a judgment that the stationary source will be able to comply with applicable emission limits and other terms and conditions, and resolution of any objections by the USEPA.



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August 17, 2009 STAFF REPORT ADDENDUM

Purpose

A Staff Report dated July 6, 2009, was developed in order to set forth the applicable requirements and factual basis for the draft Renewable Operating Permit (ROP) terms and conditions as required by R 336.1214(1). The purpose of this Staff Report Addendum is to summarize any significant comments received on the draft ROP during the 30-day public comment period as described in R 336.1214(3). In addition, this addendum describes any changes to the draft ROP resulting from these pertinent comments.

General Information

Responsible Official:	Steven Pitsch, President 616-363-4895
AQD Contact:	Dave Morgan, Environmental Quality Analyst 616-356-0009

Summary of Pertinent Comments

No pertinent comments were received during the 30-day public comment period.

Changes to the July 6, 2009 Draft ROP

Because a consent order to resolve previously cited violations will not be entered prior to the issuance of ROP No. MI-ROP-N5619-2009, all conditions referencing a pending consent order have been removed. The following changes were made to the draft ROP:

1. AUTHORITY AND ENFORCEABILITY section – The language, “This permit does not relieve the permittee from any responsibilities or obligations imposed on the permittee, at this source, under Consent Order Number ##-####, entered on ##-##-####, between the MDEQ and the permittee.” has been removed.
2. Source Wide Conditions table - The entire table has been removed. This table included the following language:

“At a minimum, the permittee shall comply with paragraphs ##### of Consent Order AQD No. #####. (Consent Order AQD No. #####)”

“The conditions contained in this ROP for which a Consent Order is the only identified underlying applicable requirement shall be considered null and void upon the effective date of termination of the Consent Order. The effective date of termination is defined for the purposes of this condition as the date upon which the Termination Order is signed by the Chief of the AQD.”