

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

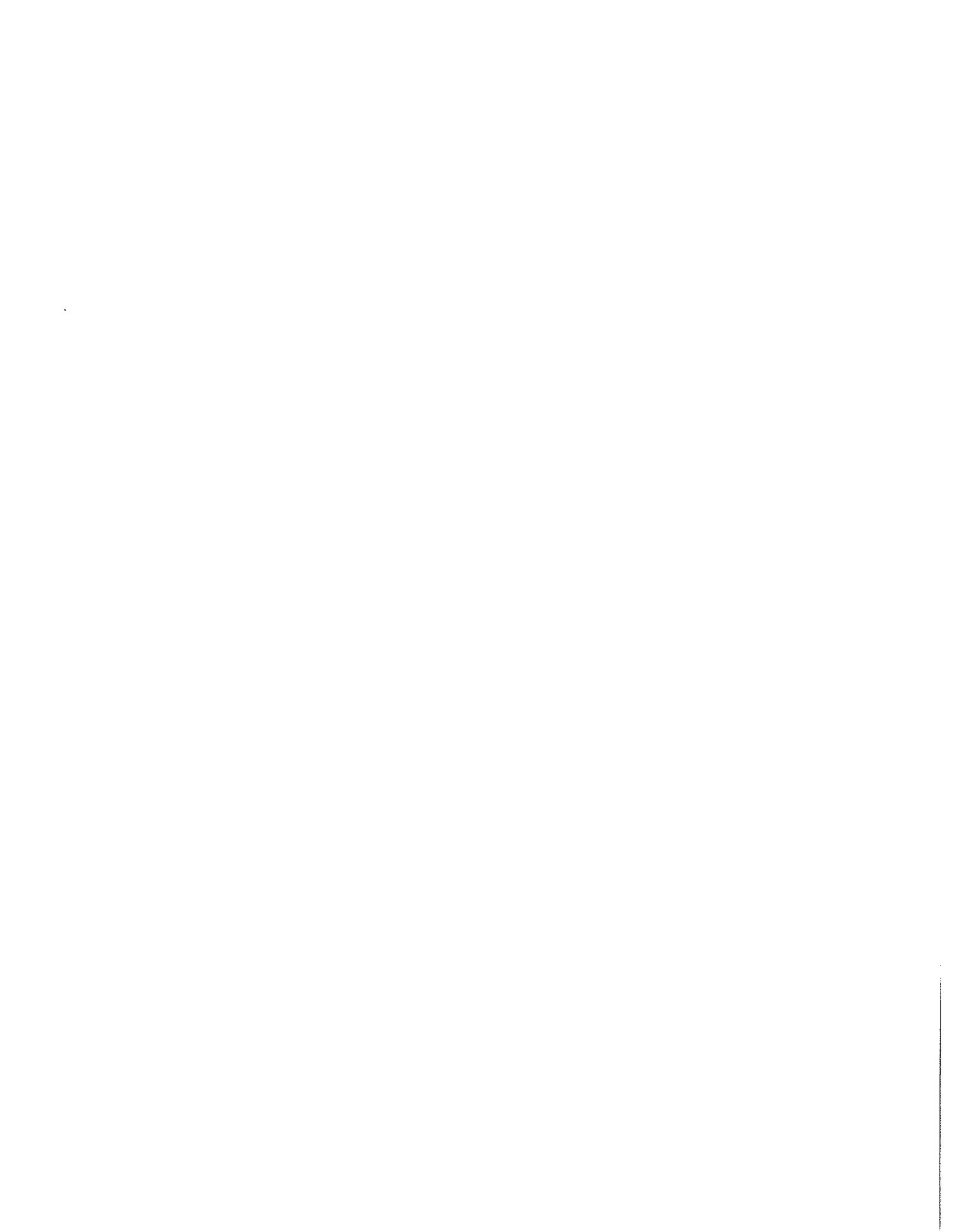
**FCE Summary Report**

Facility : TRENDWELL ANTRIM INC - Briley 7 Satellite	SRN : N7900
Location : BRILEY 7 SATELLITE CPF SW NW SEC 8	District : Gaylord
	County : MONTMORENCY
City : BRILEY TWP State: MI Zip Code : 49709	Compliance Status : Compliance
Source Class : SM OPT OUT	Staff : Becky Radulski
FCE Begin Date : 12/14/17	FCE Completion Date : 12/14/2018
Comments : scheduled inspection and records review	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
12/14/2018	Scheduled Inspection	Compliance	scheduled inspection and records review
02/26/2018	MAERS	Compliance	2017 MAERS, Check MAERS for any review comments

Name: Becky Radulski Date: 1/22/19 Supervisor: 



**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection**

N790047553

FACILITY: TRENDWELL ANTRIM INC - Briley 7 Satellite		SRN / ID: N7900
LOCATION: BRILEY 7 SATELLITE CPF, BRILEY TWP		DISTRICT: Gaylord
CITY: BRILEY TWP		COUNTY: MONTMORENCY
CONTACT: Danita Greene, Production and Environmental Compliance		ACTIVITY DATE: 12/14/2018
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: scheduled inspection and records review		
RESOLVED COMPLAINTS:		

On December 14, 2018 AQD Staff traveled to N7900 Trendwell Briley 7 Satellite Central Production Facility (CPF), located in Briley Township, Montmorency County, for a scheduled inspection to determine compliance with PTI 348-07. This is an opt out permit.

The Briley 7 Satellite CPF is an oil and gas production facility, extracting gas from the Antrim formation. Natural gas and brine fluids are extracted from wells drilled into producing reservoirs then transmitted through flow lines to a CPF. The gas is compressed by one engine.

#### LOCATION

The facility is located 4.5 miles west of Atlanta, a quarter mile north of M-32 on Thorton Road. The facility is on the east side of Thorton Road, and is visible from Thorton.

#### REGULATORY DISCUSSION

PTI 348-07 was issued January 9, 2008, and is currently active. The permit was issued for one Caterpillar G3306/203 HP engine without control.

The engine is subject to 40 CFR Part 63, Subpart ZZZZ, which has not been delegated to MDEQ from EPA.

#### INSPECTION NOTES

During the inspection, there was clear sky, 39 degrees Fahrenheit and light snow on the ground. The facility has a sign at the entrance indicating the source name, location and emergency contact information. The entrance to the facility was open.

The facility consists of one small building containing one engine. A tank storage area is located east of the building. The facility has trees and a soil berm surrounding it. The doors to the building were closed.

The engine is noted on the clipboard at the facility as a Caterpillar 3406 TA, 325 bph. However, the records provided by Trendwell, as well as MAERS, identify the engine as a Caterpillar 3306 HCTA, 203 engine. Upon clarification with the Trendwell Field Supervisor Brian Keelean, the clipboard was incorrect. The clipboard sheet has since been updated.

The engine was operating during the inspection. There is no Skid ID number for the engine, no serial number was visible on the engine. The engine was operating at 1125 RPM with 47 psi engine oil. No visible emissions or odors were detected. The permit is issued with no catalytic convertor required, however there is a catalytic converter on the engine

exhaust. This was discussed with Trendwell following a 2014 inspection. At that time Trendwell indicated they added the control on their own.

Several small tank and drums were located inside the building.

A bermed and lined tank storage area is east of the building. There was one tank, approximately 400 bbl, that was unlabeled.

#### RECORDS REVIEW

PTI 348-07, EUENGINE1 – natural gas fired reciprocating engine (Caterpillar 3306, 203 hp).

Emission Limits – The nitrogen oxides (NOx) are limited to 42 tons per year, based on 12 month rolling average. Records were provided. As of September 2018, NOx emissions were 1.68 tpy, based on 12 month rolling. Carbon monoxide (CO) emissions were also reported although not required in the permit. CO emissions were 2.36 tpy, based on 12 month rolling. Records provided demonstrate compliance with the requirements.

Process/Operational Limits – The facility has a PM/MAP on file from 2016. The MAP indicates the engine as a Caterpillar 3306 HCTA with catalytic converter, no AFRC. Maintenance records were provided and reviewed.

Testing - Testing is required upon request to verify NOx emissions. Testing is not being requested at this time.

Monitoring - The permittee is required to monitor natural gas usage for EUENGINE1. Natural gas records were provided, demonstrating compliance with this requirement.

Record keeping/Notification - The permit allows for the engine to be replaced with an equivalent emitting or lower emitting engine, upon notification to AQD. AQD has not received notification of an engine switchout.

Stack/Vent Restrictions - The stack is required to have a maximum of 4 inches diameter and minimum height above ground of 30 feet. Based on visual estimate, the stack meets these requirements.

#### MAERS

The facility is required to report annual emissions to MAERS. The 2018 submittal was reviewed, and the 2019 submittal will be reviewed once received. See MAERS for details.

#### MACES

MACES was reviewed, and the information screen updated.

#### COMPLIANCE DETERMINATION

Based on the scheduled inspection and records review, N7900 Trendwell Briley 7 Satellite CPF was in compliance with the requirements of permit 348-07.

NAME Becky Radulski

DATE 1/22/19

SUPERVISOR SN