

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

N656931193

FACILITY: PAYNE & DOLAN INC C34		SRN / ID: N6569
LOCATION: C34 PORTABLE ASPHALT PLANT #40-99A, GLADSTONE		DISTRICT: Upper Peninsula
CITY: GLADSTONE		COUNTY: DELTA
CONTACT: Nathan Petrich , Operator		ACTIVITY DATE: 09/14/2015
STAFF: Joe Scanlan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced inspection to determine compliance with PTI# 40-99C		
RESOLVED COMPLAINTS:		

FACILITY: *Portable Asphalt Plant C34***INSPECTION DATE:** 9/14/2015**MDEQ-AQD STAFF**

- *Joseph Scanlan, EQA*

FACILITY REPRESENTATIVE

- *Nathan Petrich, Operator*

LOCATION

At the time of inspection, C34 was located at the Lakoskey Pit (a.k.a. Bedrock Quarry) on Percy Road, just northwest of Shingleton off of M-28. The area is largely rural, however there are some residences adjacent to the pit.

SOURCE DESCRIPTION

This is a portable asphalt plant.

INSPECTION

On 9/14/2015 I conducted an unscheduled visit of Payne & Dolan's portable asphalt plant C34. PPE worn during this inspection included steel-toed boots, safety vest, safety glasses and hardhat. Few odors were noted downwind and outside of the facility. The haul roads and the active parts of the quarry had noticeable fugitive dust emissions generated from heavy equipment and haul trucks during the inspection.

I met with operator Mr. Nathan Petrich in the operator's control room. The plant was operating at the time of my inspection.

EMISSION UNIT DETAILS

Emission Unit ID	Description of Emission Unit	ROP/PTI#	Installation/Modification Date	Compliance Status
EUHMAPLANT	Hot mix asphalt (HMA) facility including: aggregate conveyors, drum mixer, fabric filter dust collector (baghouse)	PTI# 40-99C	12/09/1985 7/20/2009	C
EUYARD	Fugitive dust sources including: plant roadways, plant yard, material storage piles, material handling operations (excluding cold feed aggregate bins)	PTI# 40-99C	10/01/1998	C
EUACTANKS	Liquid asphalt cement storage tanks	PTI# 40-99C	10/01/1998	C
EUSILOS	HMA paving material product storage silo	PTI# 40-99C	04/17/2003	C

FGFACILITY	Covers emission units: EU-HMAPLANT, EU-YARD, EU-ACTANKS, EU-SILOS	PTI# 40-99C	01/01/1985	C
------------	---	-------------	------------	---

EUHMAPLANT

I. EMISSION LIMIT(S) – See PTI# 40-99C for complete limits

II. MATERIAL LIMIT(S) – Permittee shall not burn any hazardous waste and blended fuel oil or RUO may not contain contaminants exceeding the limits presented in the PTI.

- *A waste oil shipment was received just prior to my arrival. Records were presented for the shipment and sampling results showing the product met the hazardous materials restriction and contaminants within the waste oil were not in exceedance of the limits.*
- *The plant was operating at 16 percent RAP at the time of inspection. This is about average for this facility.*
- *Plant has processed 62,000 tons in a 12-month rolling time frame; 1500 tons produced the day of inspection.*
- *Plant was operating at approximately 300 tons per hour (235 dry tons / 298 finished @ 299°F)*

III. PROCESS/OPERATIONAL RESTRICTION(S)

Compliance Monitoring Plan for RUO

- *As required by the CMP, the RUO supplier has proper certification and pre-qualification analytical data provided by an independent third-party lab for halogen screen and required laboratory analyses for contaminants.*

Fugitive Dust Control Plan

- *There were issues regarding fugitive dust created by haul vehicles and heavy equipment during the time of inspection. This was brought to the attention of the operator, who addressed the issue using the water truck on site.*

CO emissions control

- *Drum mix burners were operating with an inlet temperature of 341°F and a finished product temperature of 295°F*

Fabric filter dust collector (baghouse)

- *Baghouse is black light tested every Spring upon startup and visually inspected upon arrival at every new site. There was an ample amount of spare bags on hand (over 100 spares). Baghouse pressure drop range was between 4.2" and 4.5" at the time of inspection and record logs indicated that was normal for this facility, with the 1" to 6" requirements of the PTI.*

IV. MONITORING

Aggregate feed rate: 235 tons per hour dry

RAP feed rate: 16%

CO readings: _____

Fuel usage: _____

V. RECORDKEEPING/REPORTING

Source emissions data, operating, and maintenance information on file for 5 years

- Maintenance records and logs for all significant maintenance and repairs for EUHMAPLANT
- Fuel consumption and analytical data
- Virgin aggregate and RAP continuous feed rates
- Product temperature
- Mix design at start-up or new activation
- 12-month rolling emission calculations of criteria pollutants and HAPs

- 12-month rolling amount of HMA paving material produced
- 12-month rolling amount of fuel consumed (gallons per ton produced)

VI. STACK/VENT RESTRICTIONS

Stack & Vent ID	Maximum Dimension (in)	Minimum Height Above Ground Level (ft)	Applicable Requirements
SV001	48" x 34"	* 26'	R 336.1225, 40 CFR 52.51(c) & (d)
The exhaust gases shall be discharged unobstructed vertically upwards to the ambient air.			
<i>*This stack height will be increased to 40' once C34 becomes a permanent facility under issuance of the impending PTI.</i>			

VII. PORTABLE EQUIPMENT

Facility may only be relocated if:

- There are no unresolved violations regarding MDEQ or Federal regulations;
- Shall not be situated at a site for more than 24 consecutive months
- Relocation notices submitted to MDEQ 21 days prior to relocation
- Shall not be located within 800' of residential/commercial/place of public assembly unless prior approval is granted by AQD district office;
- Shall have a copy of PTI 40-99C clearly posted in operators control room;
- PTI# shall be posted on equipment and be clearly visible from operators control room.

Facility meets all the above requirements listed for Portable Equipment.

EUYARD

I. PROCESS/OPERATIONAL RESTRICTION(S)

- *Fugitive Dust Control Plan has been implemented and is being maintained.*

II. RECORDKEEPING/REPORTING

- *Annual fugitive dust emissions has been calculated and submitted to MAERS as required.*

EUACTANKS

I. PROCESS/OPERATIONAL RESTRICTION(S)

- *EUACTANKS have vapor condensation and recovery system installed and operating in a satisfactory manner*

FGFACILITY

I. EMISSION LIMIT(S)

- *Individual and aggregate HAPs are below limits for the 12-month rolling time period*

SUMMARY

No violations of PTI# 40-99C were observed at the time of this inspection and the facility appears to be in compliance with the permit.



Image 1(C341) : Bins and conveyor



Image 2(C342) : Silo, drum, conveyors



Image 3(C343) : Water tanker, control room, silo, drum

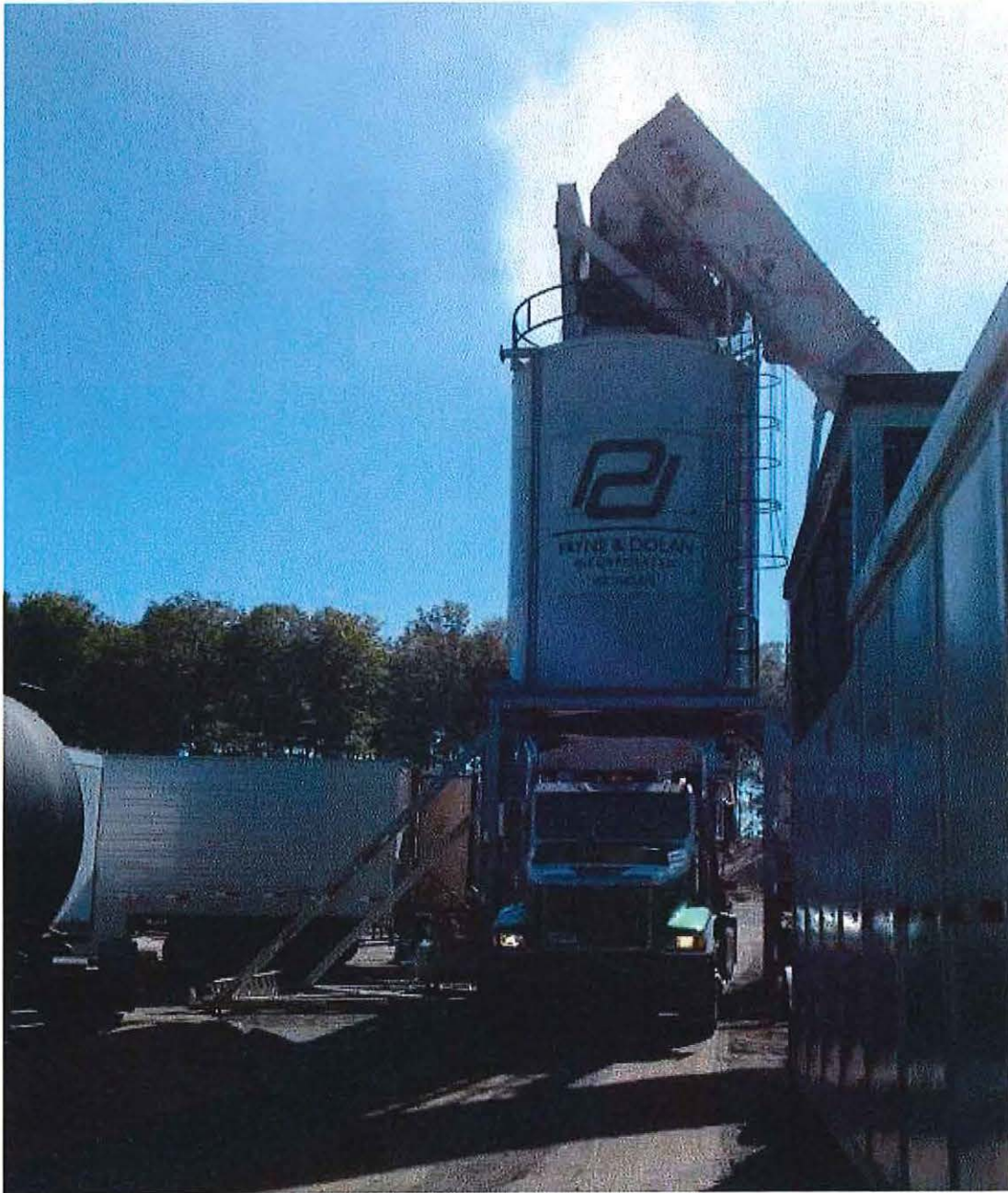



Image 4(C344) : HMA loadout



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
A Subsidiary of General Motors

Summit Environmental Technologies, Inc.
3370 Wm St.
Cochran Falls, GA 34227
TEL: (336) 213-8311 FAX: (336) 213-4489
Website: <http://www.summit.com>

WQ# 15050449 Page 1 of 1
Date Reported: 5/6/2015
Company: Construction Resources Management
Address: 202 Delta Avenue
Gladwin, MI 49837

Laboratory Report

Date Collected: 5/5/2015
Date Received: 5/6/2015
Project#: Shipping Tank 15
Client SampleID: Shipping Tank 15
Laboratory SampleID: 15050449-001
Matrix: Oil

Parameter	Method	Result	Analysis Date
Arsenic(As)	EPA 8010 C	< 1.00 ppm	5/6/2015
Cadmium(Cd)	EPA 8010 C	< 0.100 ppm	5/6/2015
Chromium(Cr)	EPA 8010 C	< 4.00 ppm	5/6/2015
Lead(Pb)	EPA 8010 C	11.0 ppm	5/6/2015
BTU/lb	ASTM D-240-09	18852 BTU/lb	5/6/2015
Flash Point	EPA 1010	>200 °F	5/6/2015
Total Halogen	EPA 9075	416 ppm	5/6/2015
Water	ASTM D-6304	1.62 wt%	5/6/2015
% Sulfur	ASTM D-4294	0.2322 %	5/6/2015
Total PCBs	EPA 8082	< 1.00 ppm	5/6/2015


Project Manager: 

Image 5(C345) : RUO analytical data

Payne and Dolan, Inc. Gladstone Light Oil Terminal		BILL OF LADING # LOADING TICKET #	40843 4153 0700234 40843 4003 0000234 Outbound	
DATE/TIME CONSIGNEE	09/14/15 8:37 ORIGINAL	TRUCK NO:	11665	
CUSTOMER:	34057 BEDROCK C34057 PAD 2015	TRAILER NO:	11666	
SALES ORDER:	786058 BURNER FUELL	CARRIER:	110887 BLONDEAU & SONS TRUCKING INC	
		DRIVER:		

DESCRIPTION	PETROLEUM USED OIL	GROSS	POUNDS	TONS
908006 BURNER FUEL USED INTER NON-DOT-REGULATED	NOS Class 111(b) Combustible Liquid (Burner Fuel)	114,940	57.47	
		TARE	41,900	20.95
		NET	73,040	36.52

TANK NO. 15 On Spec Used Oil SPEC GRAV. 0.8802 GALLON 10,000.00
TEMP 60

1 TANK TRUCK
EMERGENCY SPILL RESPONSE VECOMA 1-800-668-4006

Conditions of Carriage **'Buckle Up For Safety'**

Carrier named herein acknowledges receipt from Shipper, as the point of origin named herein, of the property described herein, in apparent good order. Carrier agrees to transport said property, by Shipper's intended mode of transportation as mutually determined by Carrier and Shipper, to the destination indicated herein. Carrier agrees to deliver the property in the same good order and in the same quantity to the Consignee named herein.

Carrier agrees that said transportation and delivery, and any incidental or other services performed by Carrier hereunder, shall be governed by the terms and conditions of the Uniform Straight Bill of Lading, as contained in the National Motor Freight Classification Tariff, ICC-NMF-100-G or releases thereof.

All agreements of Carrier hereunder are made by Carrier on its own behalf and on behalf of any intermediate carrier to whom Carrier may surrender possession of the property for transshipment beyond Carrier's authorized route or routes or to whom Carrier may subcontract any of its obligations hereunder. Any such transshipment and subcontracting shall be with Shipper's advance knowledge and consent.

The foregoing shall not apply to any receipt into a motor vehicle owned by a buyer taking title to the property f.o.b. Shipper's point of origin. In any such situation, this form shall merely constitute a delivery receipt.

Important - Do not unload truck until sample of contents has been checked with stock specified on this order. Check all valves and lines so that correct ones will be used.

Loaded by <i>[Signature]</i>	Driver Receiving <i>[Signature]</i>	Received at Destination By <i>[Signature]</i> C-54
---------------------------------	--	---

This is to certify that the herein named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

I CERTIFY MATERIAL ON THIS BILL OF LADING MEETS OR SPECIFICATION USED OIL STANDARDS AS SHOWN ON THE ATTACHED ANALYTICAL DATA SHEET.

Image 6(C346) : RUO supplier receipt

NAME *[Signature]* DATE 10/28/15 SUPERVISOR _____