

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

B645130477

FACILITY: BACCO CONSTRUCTION CO PLANT 12		SRN / ID: B6451
LOCATION: ASPHALT PLANT 12 PERMIT #547-78BG, IRON MOUNTAIN		DISTRICT: Upper Peninsula
CITY: IRON MOUNTAIN		COUNTY: DICKINSON
CONTACT: Dan O'Neil , Operator		ACTIVITY DATE: 07/30/2015
STAFF: Joe Scanlan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM 208A
SUBJECT:		
RESOLVED COMPLAINTS:		

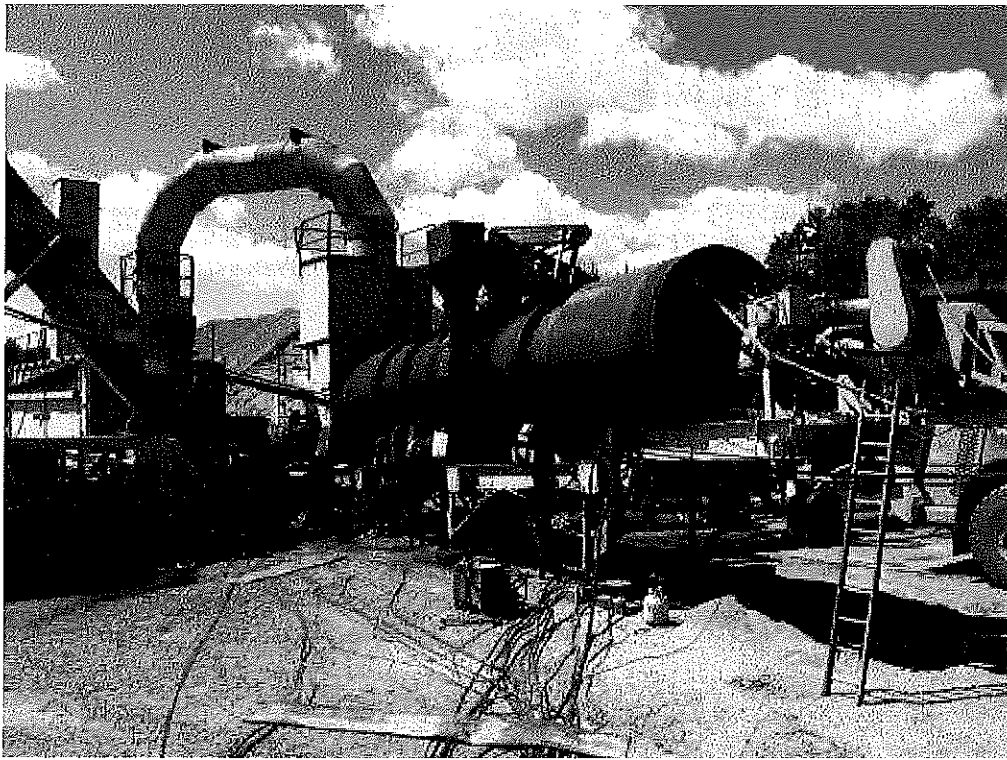
**INSPECTION DATE:** 7/30/2015**DEQ-AQD STAFF:** Joseph Scanlan**FACILITY:** Baaco Asphalt Plant #12**FACILITY OWNER:** Bacco Construction Company**COMPLIANCE STATUS:** In compliance

**LOCATION:** The plant was located at the Keweenaw Land Association pit in Crystal Falls Township, Iron County, just south of US-2 and east of the US-2/Oss Road intersection.

**INSPECTION:** My contact at the plant was plant operator Dan O'Neil. The plant had not operated since 7/25/2015, 5 days prior to my inspection. Mr. O'Neil presented a copy of permit #547-78BG and logs for waste oil specification and daily operation. The plant had produced 1720.42 tons of total product (190 tons RAP) on the most recent day of production and 15,262.55 tons of total product (2051 tons RAP) for the 2015 season, consuming RAP at approximately 11% the date of inspection and averaging 12.6% over the previous 80 days. No drum or mix temperatures were obtainable as the plant was not operating at the time of inspection.

The baghouse contains 1080 bags total. Mr. O'Neil inspected the baghouse utilizing a tracer compound and a blacklight and changed 90 bags on 5/20/2015 and the last visual inspection was on 6/15/2015 when the plant arrived at its current location. Baghouse photohelic gauge readings in the log book averaged a differential pressure of .45 for the last 40 days. There were spare bags on site.

**SUMMARY:** No violations of the Air Pollution Control Rulers or PTI #547-78BG were observed during this inspection.



**Image 1(B121)** : Bacco portable asphalt plant #12




**Image 2(B122)** : Storage silo w/conveyor for Bacco portable asphalt plant #12

DATE	AMS	TOTAL	RECYCLE	TOTAL	REP	AT	REC	GAL	PHOSPHORIC	SIG
	TONS	TONS	TONS	TONS	M	TONS	TONS	TONS	CONC	CONC
5-20	156	156	156	156	15	156	156	156	156	156
5-21	281.51	281.51	43	43	15	238.51	238.51	1.9	4.5	4.1
5-22	406.74	406.74	61	61	15	345.74	345.74	1.9	4.5	4.3
5-24	207.17	877.72	37	135	15	840	840	1.7	4.5	4.3
6-1	663.40	1561.52	180	235	15	1200	1200	1.8	4.5	4.3
6-2	983.22	1559.84	15	250	15	200	200	2.0	4.5	4.3
6-11	1509.64	3569.24	254	495	135	3000	3000	1.8	4.5	4.1
6-12	651.63	4226.97	66	551	10	3600	3600	1.8	4.5	4.3
6-22	1100	4000	100	1000	10	3000	3000	1.8	4.5	4.3
6-23	1035.88	5265.88	116	677	11	2000	2000	1.8	4.5	4.3
7-13	1700	6916.22	210	937	15	3000	3000	1.8	4.5	4.3
7-14	2979.0	7774.8	430	1307	15	5000	5000	1.65	4.5	4.1
7-15	1235.37	10110.2	260	1647	15	2750	2750	1.70	4.5	4.2
7-17	468.11	12678.33	107	1747	11	1600	1600	1.75	4.5	4.2
7-21	302.87	12872.20	38	1785	15	300	300	2.00	4.5	4.2
7-22	215.24	13087.44	24	1809	11	450	450	2.00	4.5	4.2
7-23	420.10	13507.54	48	1857	11	800	800	1.80	4.5	4.2
7-27	265.9	13573.43	4	1861	11	50	50	2.00	4.5	4.2
7-28	1220.42	15263.85	190	2051	11	2100	2100	1.80	4.5	4.2

RETAIN RECORDS FOR 3 YEARS

Image 3(B123) : Operators log



**COMPLIANCE LETTER**

As a 'Used Oil' burner subject to EPA regulations set forth in 40 CFR part 279, and other state requirements, OSI Environmental, Inc. is pleased to submit the following analytical data regarding the fuel that you are receiving.

**From:** OSI Environmental, Inc.  
Negaunee, MI Terminal

**Group:** OSIE MARQ 4-30-15 TK- 4402      **Date Delivered:** 7-17-15

Constituency/ Property	EPA Specification Used Oil	Analytical 15050515-002	Method
Arsenic	5 ppm maximum	<1.00 ppm	6010
Cadmium	2 ppm maximum	<0.10 ppm	6010
Chromium	10 ppm maximum	<4.00 ppm	6010
Lead	100 ppm maximum	16.00 ppm	6010
Flash Point	100 °F minimum (*1)	>200 °F	1010
Total Halogens	4,000 ppm maximum (*2)	<200 ppm	9075
API Gravity @ 60°F		N/A	N/A
Sulfur- % by Weight	N/A	0.4177%	D-4284
Specific Gravity	N/A	0.8699 g/cc	D-287
Ash- % by Weight	N/A	0.60 %	D-482-02
pH	N/A	6.46	EPA 160.1
Btu/Gallon	N/A	140,508	D-240-78
PCB's	<u>TSCA Regulated</u>	<1 ppm (N/D)	8082
Other			

**N/D = None Detected**

\*1 Individual states and transport regulations may require higher flash points, further reducing their possibility of solvent and/or cleaning solution contamination.


\*2 Used oil containing more than 1,000 ppm (mg/kg) halogens is presumed hazardous unless a rebuttal analysis is performed to prove that there are no hazardous constituents per EPA regulation 40 CFR part 279.11.

This letter should provide you with total assurance that we have met your burner fuel requirements, as well as those of the state and the EPA.

Image 4(B124) : Oil sampling analysis

4402

## STRAIGHT BILL OF LADING - SHORT FORM



**ENVIRONMENTAL, INC.**  
 2000 BADGER ROAD • KAUKAUNA, WI 54130  
 EPA # WID08850296 MI#000047670  
 EMERGENCY # 1-800-822-8218

SHIP TO Basco DATE 7-7-15  
 PLANT # 22 CITY/STATE Cryder Falls WI  
 CUSTOMER EPA # \_\_\_\_\_  
 CARRIER Stang Wisconsin Corp  
 TRACTOR # 17 TRAILER # 32

**PRODUCT:**  
 PETROLEUM USED OIL, N.O.S., CLASS 9, PG III, (BURNER FUEL)  
 COMBUSTIBLE LIQUID, N.O.S., NA 1993, PG III, (CONTAINS USED OIL)

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.

**TEST GROUP** 43015 TR-4402-PRE-LOAD

THE PROPERTY DESCRIBED HEREIN IN APPARENT GOOD ORDER IS RECEIVED BY THE CARRIER SHOWN ON THIS BILL OF LADING AND THE CARRIER AGREES TO TRANSPORT THE PROPERTY TO THE CONSIGNEE AND THE DESTINATION SET FORTH HEREIN SUBJECT TO THE CLASSIFICATION AND TARIFFS AND THE TERMS AND CONDITIONS OF THE UNIFORM DOMESTIC STRAIGHT BILL OF LADING FOUND IN NATIONAL MOTOR FREIGHT CLASSIFICATION, IN EFFECT ON THE DATE OF ISSUANCE OF THIS BILL OF LADING. IT IS FURTHER AGREED BY THE CARRIER THAT THE TRANSPORTATION OF THE PROPERTY WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS.

DRIVER'S SIGNATURE [Signature]

SCALE PRINTOUT

THE DESCRIBED MATERIAL IS ACCEPTED IN GOOD CONDITION AS NOTED

**GALS.**  
7688

\*This used oil is subject to E.P.A. Regulations under 40 CFR Part 279 and WDR 500\*

306944

Customer Signature  
David Orat

Customer sign here after delivery only  
Above gallons delivered

Image 5(B125) : Purchase receipt for oil

NAME Joseph Suda DATE 8/5/15 SUPERVISOR \_\_\_\_\_

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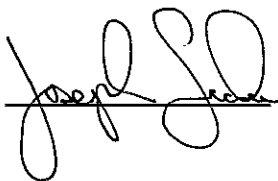
**FCE Summary Report**

Facility : BACCO CONSTRUCTION CO PLANT 12	SRN : B6451
Location : ASPHALT PLANT 12 PERMIT #547-78BG N3676 NORTH HIGHWAY US-2	District : Upper Peninsula
	County : DICKINSON
City : IRON MOUNTAIN      State: MI      Zip Code : 49801	Compliance Status : Compliance
Source Class : SM 208A	Staff : Joe Scanlan
FCE Begin Date : 1/1/2015	FCE Completion Date : 8/5/2015
Comments : FCE completed 8/5/2015	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
07/30/2015	Self Initiated Inspection	Compliance	
06/16/2015	Relocation Notification	Compliance	Relocation of portable asphalt plant from Portage Twp in Houghton County to Crystal Falls Twp in Dickinson County from 6/15/2015 to 8/30/2015.

Name: \_\_\_\_\_



Date: \_\_\_\_\_

8/5/2015

Supervisor: \_\_\_\_\_