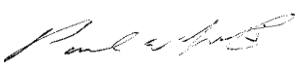




COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

GENERAL INSPECTION REPORT (Non-NPDES)

Type of Inspection Incident (#072314)	WQM Permit Number N/A	County Bucks	Municipality Solebury Twp.
Name and Location of Facility or Pollution Incident Tuscarora Oil Pipeline site			Entry Time/Date 7/25/14
Ely and River Rds. Solebury, PA 18938			Exit Time/Date 7/25/14
Name, Address of Responsible Party		Title	
Email address :		Telephone	Contacted Yes <input type="checkbox"/> No <input type="checkbox"/>
SUMMARY OF VIOLATIONS/RECOMMENDATION/COMMENTS:			
<p>Second visit to investigate reported sheen and odor from Twp official.</p> <p>Sheen was observed and a petroleum odor detected in a stream that parallels the Canal. .</p> <p>Township contact: Mr. Jim Searing Board of Supervisors Chairman (917) 940-1900</p>			
Compliance Assistance Provided <input type="checkbox"/>			
Pollution Prevention Activity <input type="checkbox"/>			
Sample No.	Location	Field Measurements and Observations	
Inspector Name Paul Jardel	Inspector Signature 	Title WQS	Date 7/25/14 Telephone 484-250-5137
Name of Person Interviewed Mr. Jim Searing	Signature of Person Interviewed e-mailed to parties	Title Twp Supervisor	Date 7/25/14 Telephone (917) 940-1900
<p>This document is official notification that a representative of the Department of Environmental Protection, inspected the above facility or site. The findings of this inspection are shown above and on any attached pages. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses of the discharge and review of Department records. Notification will be forthcoming, if such violations are noted.</p>			



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

NPDES COMPLIANCE INSPECTION REPORT

Additional Comments

This incident investigation was done by WQS Paul Jardel. The site was revisited due to a report from the Solebury Board of Supervisors chairman Mr. James Searing. He stated that on the evening of 7/24 he and his spouse encountered a strong petroleum odor in the vicinity of the Eastern side of the Bridge over the Delaware Canal into the Hal Clark County Park.

1400: Arrived onsite and encountered a representative of the Township Engineer who was conducting an odor survey. He stated that he detected a petroleum odor similar to gear oil in the vicinity of the Park access road..

Wind direction was estimated to be from the West at app 1-3 mph. No petroleum odors were detected along River Rd and the west side of the Canal. Strong petroleum odors were present along a small waterway that runs parallel to the Canal on its eastern side. Seeps from the base of the canal berm feed the stream at a number of points. The point where the waterway empties into the Delaware River was not investigated but it is believed to be in the vicinity of Marshall Drive. During a brief survey along the Canal towpath odors were first detected at a point south of Ely Road which is opposite the red brick building on River Rd (shown below). Filamentous green algae was observed in the Canal at this location. Organic and petroleum-like sheening was present in the stream below this point. Most of the surface sheen was confined behind debris snags and was not observed to extend south to the Park access road. Grab samples of concentrated surface sheen were collected from the waterway in 20 ml scintillation vials at a point app 50 meters north of the park access road and submitted under ID# 2199290 for UV/IR identification. A VOAWW water sample was also collected from the waterway under ID# 2199291.

Mr. Ragesh Patel and Sarah Pantelidou of the DEP Environmental Cleanup & Brownfields Bureau indicated that the site is not a DEP HSCA site and is not on the EPA CERCLA NPL list.



Tuscarora Oil building along River Rd. south of Ely Rd.



Filamentous algae in the canal opposite Ely Rd.



Sample collection point. Sheen slightly visible



Bridge over the Canal at the County Park



Site overview

Nothing follows



Date of Issue: 08/02/2014 04:01:56

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Water Quality Protection

Sample ID: 2199 290

Date Collected: 07/25/2014 02:45:00 PM

Lab Sample ID: O2014006698

Status: Completed

Name of Sample Collector: Paul A Jadel

Date Received:

County: Bucks

State:

Municipality: Solebury Twp

Sample Medium: Water

Sample Medium Type: Water

Location: NOT INDICATED

Reason: Pollution Incident

Project: NOT INDICATED

Suite: UVIR

Matrix: C.O.W.S.

Stream Condition:

Sample Comment: (2) 20 ml coin vials of concentrated sheen collected app 50m north of park access road.

Not Covered Under NJ NELAP Accreditation

Appearance: sheen on waterway

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
EXTRACTED DATE	07312014 Day	08/01/2014 02:37 PM	MESNYDER	
EXTRACTED DATE	07312014 Day	07/31/2014 10:57 AM	MESNYDER	

**Analytical Report For
Water Quality Protection**

Sample ID: 2189 290

Date Collected: 07/25/2014 02:45:00 PM

Lab Sample ID: O2014008888

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
IR IR		08/01/2014 02:37 PM	MESNYDER	
The IR scan could not identify the compound that may be present in this sample due to the low sample volume.				
UV UV		07/31/2014 10:57 AM	MESNYDER	
The UV analysis was unable to detect any petroleum products in this sample due to the low sample volume.				
The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2009 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.				
* denotes tests that the laboratory is not accredited for				
** Laboratory is accredited by NJ NELAP, parameter not offered by PA LAP				
Taru Upadhyay, Technical Director, Bureau of Laboratories				

ORGANICS LABORATORY QUALIFIERS

U - Indicates analysis was performed for the compound but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods (e.g. pesticides, triazines, PCBs, etc)

Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.



Date of Issue: 08/08/2014 04:05:42

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Water Quality Protection

Sample ID: 2199 291

Date Collected: 07/25/2014 03:10:00 PM

Lab Sample ID: O2014006665

Status: Completed

Name of Sample Collector: Paul A Jadel

Date Received:

County: Bucks

State:

Municipality: Solebury Twp

Sample Medium: Water

Sample Medium Type: Water

Location: NOT INDICATED

Reason: Pollution Incident

Project: NOT INDICATED

Suite: VOAWW

Matrix: Water

Stream Condition:

Sample Comment: 1 set of VOAWW samples collected from the waterway opposite the red brick building

Sample Lab Comment: Tics: C4 to C8 Alkanes, C6 to C9 cyclic Alkanes, Octahydronaphthalene, Bicyclo[3.2.1]octane, C3 to C5 substituted Benzenes, Indane, Methyl substituted Indans, Methyl- & Dimethyl substituted 2,3-dihydro-1H-indenes, C3 to C5 substituted Benzene, Indane, Methyl substituted Indans, Methyl- & Dimethyl substituted 2,3-dihydro-1H-indenes, a Dimethyl substituted Benzaldehyde, a Methyl substituted 1,2,3,4-tetrahydronaphthalene and Methyl substituted Naphthalenes.

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624

**Analytical Report For
Water Quality Protection**

Sample ID: 2199 291

Date Collected: 07/25/2014 03:10:00 PM

Lab Sample ID: O2014006665

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75343 1,1-Dichloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75354 1,1-Dichloroethene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
563586 1,1-Dichloropropene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
87616 1,2,3-Trichlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
120821 1,2,4-Trichlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
96128 1,2-Dibromo-3-chloropropane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
106934 1,2-Dibromoethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
107062 1,2-Dichloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
78875 1,2-Dichloropropane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
142289 1,3-Dichloropropane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
594207 2,2-Dichloropropane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
591786 2-Hexanone	2.5 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
99876 4-Isopropyltoluene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
67641 Acetone	2.5 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
71432 Benzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108861 Bromobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75274 Bromodichloromethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75252 Bromoform	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
74839 Bromomethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75150 Carbon Disulfide	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
56235 Carbon Tetrachloride	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108907 Chlorobenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75003 Chloroethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75014 Chloroethene (vinyl chloride)	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
67663 Chloroform	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
74873 Chloromethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624

**Analytical Report For
Water Quality Protection**

Sample ID: 2199 291

Date Collected: 07/25/2014 03:10:00 PM

Lab Sample ID: O2014006665

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
124481 Dibromochloromethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
74953 Dibromomethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75718 Dichlorodifluoromethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
100414 Ethylbenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
87683 Hexachlorobutadiene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
98828 Isopropylbenzene	14.3 UG/L	07/31/2014 02:00 AM	CLIAO	EPA 624
108383 m/p-Xylene	1.0 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
78933 MEK	2.5 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75092 Methylene Chloride	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108101 MIBK	2.5 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
91203 Naphthalene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
104518 n-Butylbenzene	1.9 UG/L	07/31/2014 02:00 AM	CLIAO	EPA 624
103651 n-Propylbenzene	17.6 UG/L	07/31/2014 02:00 AM	CLIAO	EPA 624
95498 o-Chlorotoluene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
95476 o-Xylene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
106434 p-Chlorotoluene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
98666 PCTFB	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
135988 Sec-Butylbenzene	2.7 UG/L	07/31/2014 02:00 AM	CLIAO	EPA 624
100425 Styrene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75650 t-Butyl alcohol	27.5 UG/L	07/31/2014 02:00 AM	CLIAO	EPA 624
540885 tert-Butyl Acetate	2.5 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
98066 Tert-Butylbenzene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
127184 Tetrachloroethene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
109999 Tetrahydrofuran	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108883 Toluene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
79016 Trichloroethene	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
75694 Trichlorofluoromethane	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624
108054 Vinyl Acetate	0.50 UG/L (U)	07/31/2014 02:00 AM	CLIAO	EPA 624

DEP Southeastern Region

INCIDENT NOTIFICATION

Received By:

Walt Bair

Date Received:

7-23-14

Time Received:

1030

Reported During:

☒ Work Hours☐ After Hours

CALLER'S NAME / ORGANIZATION:	TELEPHONE NUMBER	
1. Dennis Carney	215-297-0347	
2.		
BRIEF DESCRIPTION OF INCIDENT	Incident Date	Incident Time
Sheen and oil odor in Delaware Canal	7-23-14	

DESCRIPTION OF INCIDENT: (See NOTES AND CALL LOG on reverse)

INCIDENT LOCATION	ADDRESS / DIRECTIONS
County: Bucks	River Road and Ely Road
Municipality: Solebury Twp	Lat: Long:
	Map Coord: () Zip Code:

POTENTIAL RESPONSIBLE PARTY	
Name / Organization:	unknown
Address:	
Phone:	

MEDIA CONTAMINATED	
<input type="checkbox"/> Air	<input type="checkbox"/> Land
<input checked="" type="checkbox"/> Surface Water	<input type="checkbox"/> Within Facility Only
<input type="checkbox"/> Ground Water	<input type="checkbox"/> None

WATERWAY (Affected / Threatened) Delaware Canal

DEP INCIDENT CLASSIFICATION	<input type="checkbox"/> Air Contamination:	<input type="checkbox"/> Land Contamination/ Waste
<input type="checkbox"/> Building Collapse:	<input type="checkbox"/> Fixed Nuclear Facility:	<input type="checkbox"/> Mining Incident:
<input type="checkbox"/> Dam Failure:	<input type="checkbox"/> Flooding:	<input checked="" type="checkbox"/> Water Contamination:
<input type="checkbox"/> Energy Shortage:	<input type="checkbox"/> Water Borne Illness:	<input type="checkbox"/> Radioactive Material:
<input type="checkbox"/> Explosives:	<input type="checkbox"/> Ice Jams:	<input type="checkbox"/> Storage Tank Incident:
TYPE OF RELEASE:	<input type="checkbox"/> Spill:	<input type="checkbox"/> Release / Discharge:
<input type="checkbox"/> Fire Related:	<input type="checkbox"/> None:	<input checked="" type="checkbox"/> Unknown:
<input type="checkbox"/> Other or Non-DEP Incident:	<input type="checkbox"/> Dumping / Disposal:	

MATERIAL INVOLVED:	<input type="checkbox"/> Petroleum based:(non-Haz)	<input type="checkbox"/> Hazardous:
<input type="checkbox"/> Manure:	<input type="checkbox"/> Sewage:	<input checked="" type="checkbox"/> Unknown:
<input type="checkbox"/> None:	<input type="checkbox"/> Other:	
	SUBSTANCE	AMT/ UNITS

SOURCE OF MATERIAL:	<input type="checkbox"/> Not Applicable:	<input type="checkbox"/> Industrial/Commercial Facility:
<input type="checkbox"/> Highway : Cargo:	<input type="checkbox"/> Highway: Vehicle Fuel/Fluids:	<input type="checkbox"/> Vessel (boat):
<input type="checkbox"/> Pipeline:	<input type="checkbox"/> Residential / Community:	<input type="checkbox"/> Unknown:
	<input type="checkbox"/> Other:	

REFERRED FOR:	
<input checked="" type="checkbox"/> Program Info & Follow-up	<input type="checkbox"/> Program Immediate Response
<input type="checkbox"/> Emergency Response	<input type="checkbox"/> Other Agency (Non-SEFO)

LEAD PROGRAM	Program	Staff Person Referred :	Date:
<u>Immediate Response</u>	<input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Waste <input type="checkbox"/> ECP <input type="checkbox"/> WSM <input type="checkbox"/> RP		
Follow-up Action/ Information	<input type="checkbox"/> Air <input checked="" type="checkbox"/> Water <input type="checkbox"/> Waste <input type="checkbox"/> EC <input type="checkbox"/> WSM <input type="checkbox"/> RP <input type="checkbox"/> BCHD <input type="checkbox"/> Complaints <input type="checkbox"/> ER <input type="checkbox"/> CRC <input type="checkbox"/> Philadelphia <input type="checkbox"/> Other	Bauer	7-23-14
Other Referrals	<input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Waste <input type="checkbox"/> ECP <input type="checkbox"/> WSM <input type="checkbox"/> RP <input type="checkbox"/> BCHD <input type="checkbox"/> Complaints <input type="checkbox"/> ER <input type="checkbox"/> CRC <input type="checkbox"/> Philadelphia <input type="checkbox"/> Other		

REMEDIAL ACTION(S) ALREADY TAKEN: <i>(Source Control, Containment, Countermeasures, Clean-up)</i>

DEP CONTRACTING? YES ☐ NO ☐ ESTIMATED COST: \$ _____

CLEANUP CONTRACTOR	ADDRESS	PHONE

ENVIRONMENTALLY RELATED EVACUATIONS / CASUALTIES:	<u>(YES / NO)</u>	<u>NUMBER EVACUATED</u>	<u>NUMBER INJURED</u>	<u>NUMBER KILLED</u>

NOTES AND CALL LOG

The **Total Amount Released**, whether or not any was contained or recovered =
The **Total Amount That Could Have Been Released**, even if none actually got out. =
The **Amount** released and known to be **Contained and/or Recovered** =

Materials Used:(Absorbents, Test Strips, Samples, ect...) **Hours Worked:** _____ **Pay Grade:** _____ **Mileage:** _____

1030: Received call from Dennis Carney (Solebury Township) reporting that he had received a call that the Delaware Canal in the area of River Road and Ely Road had a visible sheen and that there were strong petroleum odors in the area.

This location happens to be in the area of the Tuscarora Oil Field a superfund site. Recently, the US EPA began to look into this site due to recent complaint about oil odors in the area. I spoke with US EPA OSC Mike Towle who indicated that he recently visited the site and did not see any sheen or observe any odors. However, he did mention that he would not be surprised if DEP see an increase call volume regarding this site due to public concern in the affected community.

Nothing follows