

**Environmental
Protection Agency**

John F. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

F

September 2, 2011

RE: CERTIFIED OIL COMPANY
GAS STATION 410
PERMIT NO. 3PR00302
PORTAGE COUNTY
EDINBURG TOWNSHIP

CERTIFIED MAIL

Ms. Robin Talbot, Manager
Certified Oil Company
4224 S.R. 14.
Ravenna, Ohio 44261

Dear Ms. Talbot:

On August 11, 2011, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by you. The purpose of the inspection was to evaluate the operation and maintenance of the wastewater treatment system along with the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

During the inspection, the following items were noted:

1. The design flow of the extended aeration wastewater treatment plant is 1500 gallons per day.
2. The flow equalization tank was being aerated.
3. The blowers were running and the plant was receiving good aeration.
4. The contents of the aeration tank were medium brown in color.
5. The skimmer return line was functioning properly and returning clear water.
6. The sludge return line was working properly and was returning medium brown water.
7. Scum build-up was present behind the baffle in the settling tank. See Figure 1. This scum should be removed and properly disposed.
8. The weirs and the trough in the settling tank were free of scum/solids build-up.
9. The PVC elbow coming through the side wall of the distribution line is cracked. See Figure 2. The broken elbow should be replaced.
10. One of two surface sand filter beds was being utilized. This bed was draining very slowly. See Figure 3. The most probable cause is that the surface sand filter media is plugged with a layer of solids/sludge. This same problem was documented in the last correspondence from this office dated March 22, 2010.
11. It appears that maintenance was being performed on the other surface sand filter bed. See Figure 4. Solids were observed floating in each surface sand filter bed. Each bed should be independently taken off line and allowed to dry so the bed can be raked free of any existing sludge layer and debris.
12. Once the sludge layer is removed in the surface sand filter beds, additional filter media may be required. In general 18 inches of approved filter sand is necessary. Any filter sand that is used must meet the requirements of Ohio Administrative Code (OAC) 3745-42-09. More specifically, for conventional surface sand filters, filter sand shall be washed and free of silt; have an effective size of 0.4 mm to 1.0 mm; and have a uniformity coefficient less than 3.0.

13. It should be noted that when the surface sand filter bed is dosed, it should be flooded to a depth of three inches in less than 10 minutes. This effluent should drain almost immediately which indicates that the surface sand filter beds are not plugged and are draining properly.
14. Both the chlorination and dechlorination dispensing tubes were evaluated. The chlorination dispensing tube contained one tablet and the dechlorination dispensing tube was empty. **It should be noted that the chlorination/ dechlorination season begins May 1st and continues through October 31st.**
15. The effluent in the bottom of the disinfection vault was clear.

This office has recently reviewed your self-monitoring reports covering the period March 1, 2010 through July 31, 2011 for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instance of noncompliance is as follows:

Limit Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	6.1	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	6.1	3/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.575	5/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.8	5/1/2010
001	31616	Fecal Coliform	30D Conc	1000	2100.	5/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.35	5/8/2010
001	31616	Fecal Coliform	7D Conc	2000	2100.	5/15/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.25	6/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.25	6/1/2010
001	31616	Fecal Coliform	30D Conc	1000	1400.	6/1/2010
001	00530	Total Suspended Solids	30D Conc	12	17.	7/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	39.	7/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	39.	7/15/2010
001	00530	Total Suspended Solids	30D Conc	12	43.	8/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	10.8	8/1/2010
001	80082	CBOD 5 day	30D Conc	10	14.	8/1/2010
001	00530	Total Suspended Solids	7D Conc	18	43.	8/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	10.8	8/22/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.55	9/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.55	9/22/2010
001	00530	Total Suspended Solids	30D Conc	12	26.	10/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	22.25	10/1/2010
001	00530	Total Suspended Solids	7D Conc	18	26.	10/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	22.25	10/15/2010
001	00530	Total Suspended Solids	30D Conc	12	23.	12/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	67.25	12/1/2010
001	00530	Total Suspended Solids	7D Conc	18	23.	12/15/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	67.25	12/15/2010
001	00530	Total Suspended Solids	30D Conc	12	15.	1/1/2011

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	24.2	1/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	24.2	1/8/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	35.25	2/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	35.25	2/22/2011
001	00530	Total Suspended Solids	30D Conc	12	16.	3/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	64.	3/1/2011
001	80082	CBOD 5 day	30D Conc	10	14.	3/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	64.	3/22/2011
001	00530	Total Suspended Solids	30D Conc	12	19.	4/1/2011
001	00530	Total Suspended Solids	7D Conc	18	19.	4/22/2011
001	00530	Total Suspended Solids	30D Conc	12	16.	5/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.15	5/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.15	5/22/2011
001	00530	Total Suspended Solids	30D Conc	12	31.5	6/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.05	6/1/2011
001	31616	Fecal Coliform	30D Conc	1000	35000.	6/1/2011
001	00530	Total Suspended Solids	7D Conc	18	56.	6/15/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.05	6/15/2011
001	31616	Fecal Coliform	7D Conc	2000	35000.	6/15/2011
001	00530	Total Suspended Solids	30D Conc	12	35.	7/1/2011
001	00530	Total Suspended Solids	30D Qty	0.068	.22521	7/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.7	7/1/2011
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.006	.02381	7/1/2011
001	80082	CBOD 5 day	30D Conc	10	16.	7/1/2011
001	80082	CBOD 5 day	30D Qty	0.057	.10295	7/1/2011
001	00530	Total Suspended Solids	7D Conc	18	35.	7/22/2011
001	00530	Total Suspended Solids	7D Qty	0.1	.22521	7/22/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.7	7/22/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.009	.02381	7/22/2011
001	80082	CBOD 5 day	7D Conc	15	16.	7/22/2011
001	80082	CBOD 5 day	7D Qty	0.085	.10295	7/22/2011

Frequency Violations

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	31616	Fecal Coliform	1/Month	1	0	07/01/2010
001	00400	pH	1/Month	1	0	07/01/2010
001	00300	Dissolved Oxygen	1/Month	1	0	07/01/2010
001	00010	Water Temperature	1/Month	1	0	08/01/2010
001	00083	Color, Severity	1/Week	1	0	08/01/2010
001	01330	Odor, Severity	1/Week	1	0	08/01/2010
001	01350	Turbidity, Severity	1/Week	1	0	08/01/2010
001	50060	Chlorine, Total Residue	1/Month	1	0	08/01/2010
001	00400	pH	1/Month	1	0	08/01/2010

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00056	Flow Rate	1/Month	1	0	08/01/2010
001	00300	Dissolved Oxygen	1/Month	1	0	08/01/2010
001	00083	Color, Severity	1/Week	1	0	08/08/2010
001	01330	Odor, Severity	1/Week	1	0	08/08/2010
001	01350	Turbidity, Severity	1/Week	1	0	08/08/2010
001	00083	Color, Severity	1/Week	1	0	08/15/2010
001	01330	Odor, Severity	1/Week	1	0	08/15/2010
001	01350	Turbidity, Severity	1/Week	1	0	08/15/2010
001	00083	Color, Severity	1/Week	1	0	08/22/2010
001	01330	Odor, Severity	1/Week	1	0	08/22/2010
001	01350	Turbidity, Severity	1/Week	1	0	08/22/2010
001	50060	Chlorine, Total Residue	1/Month	1	0	10/01/2010
001	00400	pH	1/Month	1	0	10/01/2010
001	00300	Dissolved Oxygen	1/Month	1	0	10/01/2010

Correspondence from this office dated September 16, 2008 addressed to Mr. John Woods requested the facility to detail in writing what actions were going to be taken to resolve the ongoing violations. To date, this office has no record of receiving a response from this request.

Correspondence from this office dated March 18, 2009 addressed to Mr. John Woods indicated that no discharge monitoring reports had been submitted since August 2008. This letter requested a written response detailing why monthly discharge monitoring reports were not being submitted. To date, this office has no record of receiving a response. Our review indicates that discharge monitoring reports for September 2008 through January 2009 still remain to be submitted.

A third correspondence from this office dated March 22, 2010 addressed to Mr. Art Schmitz directed Certified Oil Company to contact this office to set up a meeting to discuss the facility's noncompliance issues. Again, this office has no record of Certified Oil Company setting up a meeting to discuss its noncompliance with its NPDES permit.

Facilities with wastewater treatment plants that are in Significant Non-Compliance (SNC) with their NPDES permit effluent limits must be returned to compliance in a timely manner.

SNC is defined by the USEPA as a 40% exceedance of specific conventional pollutant limits (1.4 x parameter effluent limit), or a 20% exceedance of toxic pollutant limits (1.2 x parameter effluent limit), at a given discharge point for any two or more months, during any two consecutive quarter periods reviewed.

- a) Conventional pollutants include: BOD/CBOD; total suspended solids; nutrients such as nitrogen (ammonia) and phosphorus; oil & grease.
- b) Toxic pollutants include: total chlorine residual; heavy metals; cyanide.

Ms. Robin Talbot
Certified Gas Station 410
September 2, 2011
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Utilizing data submitted for the Certified Oil Company Gas Station 410, the facility is in SNC for Total Suspended Solids and Nitrogen Ammonia (NH₃). The attached document details the parameters in SNC for the last 6 month period (February 2011 through July 2011).

This correspondence shall serve as the initial step in the development and implementation of a plan to bring your facility back into compliance with your NPDES permit.

You are directed to contact this office within 14 days of the receipt of this letter to set up a meeting at the Ohio EPA's Northeast District Office. The purpose of the meeting will be to discuss the facility's NPDES permit violations and the actions you have taken or intend to take to come into compliance with the facility's NPDES permit effluent limits. Results of the compliance meeting may require additional enforcement actions be taken by the Ohio EPA should compliance not be attained.

During the meeting Certified Oil Company should be prepared to provide this office with a plan on how the aforementioned issues will be addressed to return the facility back to compliance in a timely manner. The plan should include a timeline itemizing of the actions taken or proposed along with dates for completion of the actions.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,



Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/mt

Certified Oil Company
Gas Station 410
NPDES Permit No. 3PR00302

**Get New
Data**

Get Detail
for Selected
Permit

Facilities in Significant Non-Compliance **

Period: Feb-11 Jul-11

County	Permit #	Facility Name	Major	Station Code	Parameter Code	Parameter Name	Max % Exceed	# Months Signif Exceed (1)**	# Months Exceed (2)**
Portage	3PR00302	Certified Gas Station 410		1	00530	Total Suspended Solids	231.2	3	5
Portage	3PR00302	Certified Gas Station 410		1	00610	Nitrogen, Ammonia (NH3)	2033.3	5	5

Certified Oil Company

Gas Station 410

NPDES Permit No. 3PR00302

Detail - Limit Violations

Permit: 3PR00302

Period: 2/1/2011 7/31/2011

Permit No	Facility	Report Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00302*BD	Certified Gas Station 410	Mar 2011	001	00530	Total Suspended Solids	30D Conc	12	16.	3/1/2011
3PR00302*BD	Certified Gas Station 410	Apr 2011	001	00530	Total Suspended Solids	30D Conc	12	19.	4/1/2011
3PR00302*BD	Certified Gas Station 410	Apr 2011	001	00530	Total Suspended Solids	7D Conc	18	19.	4/22/2011
3PR00302*BD	Certified Gas Station 410	May 2011	001	00530	Total Suspended Solids	30D Conc	12	16.	5/1/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	00530	Total Suspended Solids	30D Conc	12	31.5	6/1/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	00530	Total Suspended Solids	7D Conc	18	56.	6/15/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00530	Total Suspended Solids	30D Qty	0.068	.22521	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00530	Total Suspended Solids	30D Conc	12	35.	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00530	Total Suspended Solids	7D Qty	0.1	.22521	7/22/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00530	Total Suspended Solids	7D Conc	18	35.	7/22/2011
3PR00302*BD	Certified Gas Station 410	Feb 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	35.25	2/1/2011
3PR00302*BD	Certified Gas Station 410	Feb 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	35.25	2/22/2011
3PR00302*BD	Certified Gas Station 410	Mar 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	64.	3/1/2011
3PR00302*BD	Certified Gas Station 410	Mar 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	64.	3/22/2011
3PR00302*BD	Certified Gas Station 410	May 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.15	5/1/2011
3PR00302*BD	Certified Gas Station 410	May 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.15	5/22/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.05	6/1/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.05	6/15/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.006	.02381	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.7	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.009	.02381	7/22/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.7	7/22/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	31616	Fecal Coliform	30D Conc	1000	35000.	6/1/2011
3PR00302*BD	Certified Gas Station 410	Jun 2011	001	31616	Fecal Coliform	7D Conc	2000	35000.	6/15/2011
3PR00302*BD	Certified Gas Station 410	Mar 2011	001	80082	CBOD 5 day	30D Conc	10	14.	3/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	80082	CBOD 5 day	30D Conc	10	16.	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	80082	CBOD 5 day	30D Qty	0.057	.10295	7/1/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	80082	CBOD 5 day	7D Qty	0.085	.10295	7/22/2011
3PR00302*BD	Certified Gas Station 410	Jul 2011	001	80082	CBOD 5 day	7D Conc	15	16.	7/22/2011



Figure 1



Figure 2



Figure 3



Figure 4

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Robin Talbot</i></p> <p>B. Received by (<i>Printed Name</i>) C. Date of Delivery <i>Robin Talbot</i> <i>9-6-11</i></p>
<p>1. Article Addressed to:</p> <p>ROBIN TALBOT, MANAGER CERTIFIED OIL COMPANY 4224 S.R. 14 RAVENNA OH 44261</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>2. Article Number 7010 3090 0000 3937 8613 (STEVENS 9/2/11) <i>(Transfer from service label)</i></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

U.S. Postal Service
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City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

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