



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

March 28, 2007

Re: Guernsey County
Buffalo Duke & Duchess
Compliance Evaluation Inspection
Correspondence (PWW)

Mr. John Gordon
Englefield Oil Company
Mid Ohio Industrial Park
447 James Parkway
Heath, Ohio 43056

Dear Mr. Gordon:

On March 20, 2007, I conducted a compliance evaluation inspection (CEI) at the Buffalo Duke & Duchess wastewater treatment plant. The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit number 0PR00098*AD. This inspection was also conducted as a pre-permit inspection since the current discharge permit expires on July 31, 2007. Mr. Gary Bennett, plant operator was present at the time of my inspection.

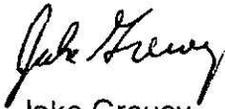
Based on the findings of my inspection and the review of our records, I have the following comments:

1. According to the operator the facility froze in February which killed the microbes and bacteria in the aeration basin which led to elevated ammonia and cBOD concentrations. A majority of the sludge was pumped from the plant following the thaw near the end of February. Sludge levels are slowly rebuilding and ammonia levels have dropped as biological decomposition is now occurring and the plant is becoming in balance. The plant should be closely monitored and if cBOD levels remain high the facility may need seeded from another plant. Also, appropriate actions should be taken to prevent the plant from freezing again.
2. The surface of the settling tank was found to be relatively clean with a minimal level of scum which should be knocked down on a frequent basis to encourage settling. Inspection of the weir showed the water level in the trough to be equal to that of the settling tank. It appears the skimmer return needs lowered or the weir plates adjusted to allow the water to flow over the weir plate into the trough. The water level in the trough should be very minimal unless the float elevations within the dosing pump are too high allowing water to back up into the settling tank before dosing. Please make the proper adjustments to allow water to flow over the top of the weir plates.

3. According to the operator a timer was recently purchased along with parts to repair the second blower. It is recommended to install the timer within a timely manner to allow greater flexibility in the operation of the aeration basin. Facilities with small flows and low organic loading such as the Buffalo Duke & Duchess store often receive more efficient biological decomposition without continuous aeration. Please make the necessary repairs to the second blower and connect both blowers to timers to allow greater operational flexibility.
4. The two sand filters were found to be clean and free of any substantial solids although both beds should be raked level to allow use of the entire bed.

At the time of my inspection, the effluent was clear with very little suspended solids and no objectionable odor. As a result of my inspection the treatment plant was found to be in substantial compliance with the terms and conditions of the NPDES permit. Attached is a copy of my detailed inspection report. If you have any questions, please contact me at (740) 380-5416.

Sincerely,



Jake Greuey
District Representative
Division of Surface Water

JGG/dh

Enclosure

c: Gary Bennett, Operator, TCCI Laboratories

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPR00098*AD	OH0104027	March 20, 2007	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Buffalo Duke & Duchess 11830 Clay Pike Road Pleasant City, Ohio	8:00 a.m.	August 1, 2002
	Exit Time	Permit Expiration Date
	8:30 a.m.	July 31, 2007

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Gary Bennett, Plant Operator	(740) 684-9009
Name, Address and Title of Responsible Official	Phone Number
Mr. John Gordon Englefield Oil Company Mid Ohio Industrial Park 447 James Parkway Heath, Ohio 43056	

C. AREAS EVALUATED DURING INSPECTION

<input checked="" type="checkbox"/> S Permit	<input checked="" type="checkbox"/> S Flow Measurement	<input type="checkbox"/> -- Pretreatment
<input checked="" type="checkbox"/> S Records/Reports	<input type="checkbox"/> -- Laboratory	<input type="checkbox"/> -- Compliance Schedules
<input checked="" type="checkbox"/> S Operations & Maintenance	<input checked="" type="checkbox"/> S Effluent/Receiving Waters	<input checked="" type="checkbox"/> S Self-Monitoring Program
<input checked="" type="checkbox"/> S Facility Site Review	<input type="checkbox"/> -- Sludge Storage/Disposal	<input type="checkbox"/> Other
<input type="checkbox"/> -- Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached letter.



 Jake Greuey, Inspector, Ohio EPA, Southeast District Office

3/28/07

 Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

3/28/07

 Date