



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

March 5, 2013

**RE: Western Ohio Japanese Language School
WWTP Inspection - NPDES Permit 1PT00054
Miami County**

Mr. Tomohito Ohtsuka
Western Ohio Japanese Language School
2801 Spring Creek-Stringtown Road
Troy, Ohio 45373

Dear Mr. Ohtsuka:

On February 28, 2013, I met with Mr. Dan Ward to conduct an unannounced inspection of the wastewater treatment plant serving your school. The school continues to operate typically one day a week (Saturdays) and the wastewater treatment plant continues to discharge only one day per week (typically Tuesdays). There is minimal staffing of the building during the week.

A review of your Discharge Monitoring Reports (DMRs) revealed that there has only been one reported violation since the previous inspection when a fecal coliform value of 2,400 counts per 100 ml was reported for the week of October 1st through 7th, 2010 (the limit is 2,000 counts/100 ml). An explanation was provided at the time of the violation and no further response is necessary.

Mr. Ward continues to operate the plant by manually activating the equalization tank pumps one day a week to pump accumulated wastewater into the aeration tank. The treatment plant blowers are set to operate four times a day to keep the mixed liquor aerobic. When the blowers were activated, I observed good mixing and the mixed liquor exhibited good color and consistency with no objectionable odor.

Wastewater pumped into the treatment system causes a discharge from the clarifier into the sand filter dosing chamber. The sand filters appeared to be in fair condition with some vegetative growth that should be removed as soon as it is practical to do so.

A review of our records indicates that sludge has not been removed from the wastewater treatment plant since November 1999. Although I realize that the plant receives only about ten percent of its design flow, I am interested in knowing how you will determine when accumulated solids need to be removed from the plant. I am also interested in knowing if solids from any preliminary treatment units have accumulated to a point that they need to be removed for proper disposal. Please contact Mr. Ward for answers to these questions.

If you have any questions about this letter or the inspection form, please contact me at (937) 285-6095 or at matt.walbridge@epa.ohio.gov.

Sincerely,



Matt Walbridge
Environmental Specialist
Division of Surface Water

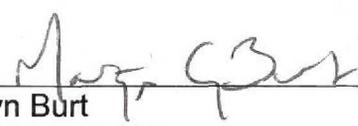
MW/tb



Environmental
Protection Agency

Southwest District Office

NPDES Compliance Inspection Report
Semi-Public Sewage Disposal System

Section A: National Data System Coding					
Permit Number	NPDES Number	Inspection Date	Inspection Type	Inspector	Facility Type
1PT00054*ED	OH0071722	2-28-13	C	S	2
Section B: Facility Info					
Name and Location of Facility Inspected			Entry Time	Permit Effective Date	
Western Ohio Japanese Language School 2801 Spring Creek-Stringtown Road Troy, OH 45373			1:50 PM	6-1-08	
			Exit Time	Permit Expiration Date	
			2:15 PM	5-31-13	
Name(s) and Title(s) of On-Site Representatives			Phone Number(s)		
Mr. Daniel J. Ward – Plant Manager			(937) 603-4637		
Name and Address of Operator of Record			Phone Number(s)		
Mr. Daniel J. Ward			(937) 603-4637		
Name, Address and Title of Responsible Official			Phone Number		
Tomohito Ohtsuka, President Western Ohio Japanese Language School 2801 N Spring Creek-Stringtown Road Troy, Ohio 45373			(937) 332-1939		
Ohio EPA Inspector			Ohio EPA Reviewer		
					
Matt Walbridge Division of Surface Water Southwest District Office		Date 3-6-13	Martyn Burt Environmental Supervisor Division of Surface Water Southwest District Office		Date 3/6/13

Average Daily Design Flow:	5,000 Gallons/Day
Plant Serves:	Saturday only language classes and 1 or 2 office staff during the week
Average Daily Flow: (Period of Review):	Approximately 500 gpd one day per week
Method of flow monitoring:	Elapsed Run-Time Meter on Pump
Type of alarms for plant:	High water level
Comments:	Restroom waste

Pretreatment

Type of Pretreatment: **Other**
 Does the Trash Trap need pumped: **Not Determined**
 Maintenance of pretreatment components is: **Not Evaluated**

Comments/Status:

Flow equalization tank is used to collect a weeks-worth of waste water flow. Accumulated waste water is pumped from EQ tank into aeration tank once a week (typically Tuesdays).

**Secondary Treatment
(Aeration)**

Color of sludge: **Medium Brown**
 Quality of Sludge: **Medium**
 Foam: **None present**
 Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Excellent**

Comments/Status:

Treatment plant (except EQ, sand filters and chlor/dechlor) is located in a shed building. Blowers are operated four times a day. Blowers were activated at the time of inspection and mixed liquor looked good with no odor. All tanks are covered with insulating foam installed under the grates.

Secondary Treatment (Settling)

Clarity: **Clear**
 Condition of Overflow Weir: **Clean**
 Weir is level: **Yes**
 Effluent in weir: **Other**
 Clarifier walls need scraped: **Unknown**

Overall maintenance of settling components is: **Excellent**

Comments/Status:

There was no discharge at the time of my visit. Plant blowers were not running at the time so clarifier operation was unable to be evaluated; it otherwise looked good. Effluent weir was clean.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Fair**

Comments/Status:

The sand appeared 'old'. There was some minor vegetative growth and the sand could stand to be re-graded to provide a uniformly level surface.

The sand filters are dosed by alternating pumps with direct discharge (no splitter box). A siphon dosing system would seem to be a good alternative if the pumps ever gave out.

Chlorination/de-chlorination was not occurring (out of season).

Sludge Handling/Storage Disposal

Hauler name: **Not Determined**
 Disposal Site: **Not Determined**
 Sludge wasted from:
 How often is sludge wasted: **Not Determined**
 Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of components is: **Other**

Comments/Status:

No record of sludge being removed since November 1999. Need some explanation. Mike's Sanitation would likely be the hauler and receiver.

Plant Discharge

Discharge point is a: **Stream**
Name of discharge point: **Spring Creek**
Discharge is visible: **Yes** Quality of Effluent: **Other**

Comments/Status:

Plant discharges through a pipe on the bank of Spring Creek. There was no discharge at the time of my inspection.

Other Observations

Comments/Status:

All treatment components appeared to be operational. This is a very unusually operated facility but it appears to work. Discharges are once a week of only about 500 gallons.

The site is not particularly secure - although the WWTP is in a building and out of site.

The sand filters need some maintenance.

The operator collects effluent samples on a Tuesday, transports them in a cooler to his home and then to TCA North Regional on Wednesday where they are stored in the lab refrigerator until the analytical lab comes by on Wednesday to pick them up. A chain of custody is used.

Fecal Coliform samples are collected on Wednesday mornings on his way to work so as to meet the 6-hour hold time. With Test America shutting down its Dayton facility and Belmont not picking up until the afternoon (beyond the six-hour hold time for fecal coliform) he'll need to make new arrangements.

An operator log was provided for review at the time of inspection. Monthly logs are sent to the school office for record keeping. Operator is there for about 15 minutes every day of the week and on Saturdays once a month. A check sheet is used to go over the plant. The record is very thorough and includes notes and observations.

EFFLUENT LIMIT VIOLATIONS

(Period of Review: July 1, 2009 through January 2013)

Weekly Fecal Coliform limit of 2,000 counts/100 ml violated during week of October 1-7, 2010 when a value of 2,400 counts/100 ml was reported. Said to be caused by low flow not allowing for good contact of chlorination tablets.