



May 24, 2012

Mr. Greg Dove, President
Caesar Creek Markets
7812 McEwen Rd.
Dayton, Ohio 45459

**RE: Caesar Creek Markets WWTP
NPDES Permit No. 1PX00003*CD; OH0072575
NPDES Compliance Inspection and Notice of Violation**

Dear Mr. Dove:

On April 26, 2012, I conducted a National Pollutant Discharge Elimination System (NPDES) Permit Compliance Inspection at the above-referenced facility. As the inspection was unscheduled, a representative from neither Caesar Creek Markets nor Winelco, Inc. (Greg Ross) was present at the time of the inspection. The purpose of the inspection was to evaluate several aspects of plant operation and performance, and to assess compliance with the facility's National Pollutant Discharge Elimination System (NPDES) permit.

Observations and findings of the inspection are included in the attached report. As indicated in the report (Section C.), two areas evaluated during the inspection were rated marginal: "Operation and Maintenance" and "Effluent/Receiving Waters". Several conditions observed in the WWTP, particularly in regards to the clarifier, resulted in the marginal rating for "Operation and Maintenance." The parameter "Effluent /Receiving Waters" was rated marginal primarily due to the violations of the permit's final effluent limits (refer to attached table).

A March 2, 2012, email from Greg Ross, Winelco, indicated that soda ash (sodium carbonate) is being added to the treatment plant at the flow equalization splitter box. This was confirmed in a May 24, 2012, telephone conversation with Mr. Ross. He stated they are consistently feeding the soda ash on a daily basis. This has apparently increased the alkalinity of the mixed liquor in the aeration tank, improving nitrification and significantly reducing the ammonia nitrogen (NH₃-N) levels in the effluent. No ammonia violations have occurred since January, 2012. Mr. Ross stated he was still working on getting proper floc formation and settleability in the clarifier. As mentioned in the attached report, the clarifier was turbid with floating solids at the time of the inspection. Please submit to this office a written report with specific information regarding the procedure for soda ash addition to the plant as well as steps being taken to improve settleability in the clarifier.

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In checking the final outfall, the final effluent flow volume was relatively low, clear, with a slight amount of foam. As previously requested, grading work has been done at the final outfall location so that the end of the final effluent pipe has been day-lighted and now clearly visible. Also, a permanent sign has been posted on the bank of the tributary at the final outfall.

If you have any questions, don't hesitate to contact me at 937-285-6102 or email me at mike.zimmerman@epa.state.oh.us.

Sincerely,



Michael W. Zimmerman
Environmental Specialist
Division of Surface Water

Enclosure

cc: Greg Ross, Winelco Inc.



NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit Number 1PX00003*CD	NPDES Number OH0072575	Inspection Date 4/26/2012	Inspection Type C	Inspector S	Facility Type 2
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Section B: Facility Data

Name and Location of Facility Inspected: Caesar Creek Markets 7763 SR 73 West Wilmington, Ohio 45177	Entry Time 3:30 pm	Permit Effective Date 9/1/2011
	Exit Time 4:00 pm	Permit Expiration Date 8/31/2016

Name(s) and Titles of On-Site Representative(s) None (contract operator – Winelco, Inc., Greg Ross or Robert Armstrong)	Phone Number / e-mail address
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Name, Title and Address of Responsible Official: Greg Dove, President 7812 McEwen Road Dayton, Ohio 45459	Phone Number (937) 223-0222 (937) 382-1669 (market #)
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Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, NA = Not Applicable, NE – Not Evaluated)

S Permit	NE Flow Measurement	NA Pretreatment
S Records/Reports	NE Laboratory	NA Compliance Schedules
M Operations & Maintenance	M Effluent/Receiving Waters	NA Collection System
S Facility Site Review	S Sludge Storage/Disposal	- Other
S Self-monitoring Program		

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

All units of the treatment plant were operating at the time of the inspection. The blower shut off at 3:50pm. The mixed liquor in the aeration tank was a dark brown color, wastewater in the clarifier was cloudy with clumps of solids floating on the surface, surface scum was accumulating in the chamber between the aeration tank and clarifier. The two sand filters were clean with no weeds/vegetation. The west sand filter appeared to be in use, although no standing water was observed. Wastewater appears to disperse just within a few feet of the concrete splash pad. A low volume of treated wastewater was discharging from the final effluent pipe. It was clear with a slight amount of foam. A permanent marker/sign has been posted on the bank at the final outfall.

Review of the DMRs (Discharge Monitoring Reports) from Jan., 2011 to present revealed several final effluent limitation exceedances. These are listed in the attached table.

Name and Signature of Inspector(s) Michael Zimmerman	Agency / Office / Telephone Ohio EPA / Southwest District Office / (937) 285-6102	Date 5/24/2012
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Name and Signature of Reviewer(s) Martyn G. Burt	Agency / Office / Telephone Ohio EPA / Southwest District Office / (937) 285-6034	Date 5/24/12
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Final Effluent Limitation Violations (period of review – Jan, 2011 through April, 2012)

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2011	001	Total Suspended Solids	30D Conc	12	22.	1/1/2011
January 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	62.	1/1/2011
January 2011	001	CBOD 5 day	30D Conc	10	21.6	1/1/2011
January 2011	001	Total Suspended Solids	7D Conc	18	22.	1/15/2011
January 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	62.	1/15/2011
January 2011	001	CBOD 5 day	7D Conc	15	21.6	1/15/2011
February 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	67.	2/1/2011
February 2011	001	CBOD 5 day	30D Conc	10	10.3	2/1/2011
February 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	67.	2/15/2011
March 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	16.	3/1/2011
March 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	16.	3/15/2011
December 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.	12/1/2011
December 2011	001	Nitrogen, Ammonia (NH3)	1D Conc	4.5	10.	12/19/2011
January 2012	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	8.3	1/1/2012
January 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	4.5	8.3	1/18/2012