



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

4601 N Monroe Street • Spokane, Washington 99205-1295 • (509)329-3400

August 15, 2016

Ms. Katherine Ryf
Vice President
Milbrandt Evergreen Inc.
PO Box 1260
Quincy WA 98848

RE: Ancient Lakes Winery Process Water Treatment Facility - Compliance Inspection for New Permit

Dear Ms. Ryf:

On June 6, 2016, I conducted a compliance inspection at the Ancient Lakes Winery Process Water Treatment Facility with Cynthia Wall, Department of Ecology (Ecology), Brandon Rice, Wine Maker and yourself. I would like to thank all of you for the opportunity to tour the facility and discuss the facility operations.

The inspection report discussed Ecology's concern about the placement of the influent and effluent pipes in the new lagoon. Ecology will need an update to the engineering report for the future bottling facility.

Please feel free to contact me at (509) 329-3458 or mrrou461@ecy.wa.gov if you have any questions or concerns regarding the enclosed inspection report.

Sincerely,

Megan M. Rounds, P.E.
Water Quality Program

MMR:jab

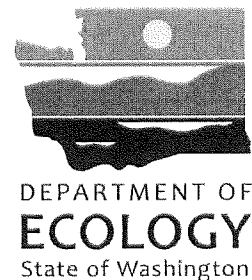
Enclosure



WASHINGTON STATE DEPARTMENT OF ECOLOGY

WASTEWATER TREATMENT FACILITY

SITE VISIT REPORT



Name of Entity	Ancient Lake Winery		
Permit No.:	ST0501285	Date of Visit:	June 13, 2016
		Entry Time:	13:00 Exit Time: 14:30
City:	George	DOE Rep. #1:	Megan Rounds
County:	Grant	DOE Rep. #2:	Cynthia Wall
Person Contacted:	Katherine Ryf	Phone No.:	(509) 993-6505
Title:	Vice President		
Responsible Official:	Jerry Milbrandt	Phone No.:	(509) 788-0030
Title:	Manager/Member		
Facility Type:	Aerated lagoons	Discharges To:	Vineyards for dust suppression
Type of Visit:	Compliance Inspection-Without Sampling		

Operation Status S = Satisfactory U = Unsatisfactory M = Marginal NA = Non Applicable N = Not Evaluated					
Permit on Site:	NA	Laboratory:	NA	Self Monitoring Schedule:	N
Records/Reports:	NA	Effluent/Receiving Water:	S	Operations & Maintenance:	S
Facility Site Review:	S	Pretreatment	NA	Sludge Disposal:	S
Flow Measurement:	S	Compliance Schedule:	NA	Other:	

Announced ? Yes ☒ No ☐ On ERO Inspection schedule ? Yes ☐ No ☒

Inspectors Comments:

Ecology staff, Cynthia Wall and I met with Katherine Ryf and Brandon Rice at the Ancient Lakes Winery office. Ecology took photographs during the site visit and Ecology entered the photos in PIMS (Photos & Images) system.

We started in the office and discussed the drawings and the operation of the industry. Ancient Lake Winery is a new industrial discharger located at the Port of Quincy near George, Washington. The winery began operating in late 2014 and employees 9 full time employees year round. The industry produces and sells white wine to other wineries.

The parent company, Milbrant Evergreen Inc., is moving their administration offices to the Ancient Lake Winery site. Sanitary sewage from the office buildings will go to an on-site system that has yet to be constructed.

We then toured the industry. The first building we passed stores chemicals for the fermentation of the wine. The new permit will require the facility to provide a list of the chemicals that are stored on the property.

We started at the beginning where the trucks enter with the grapes. Trucks drive in to the facility over a weigh station and on to a concrete pad. The trucks dump their grapes into a hopper with an auger that conveys the grapes up into a crusher (see photos). The crusher sends the juice to the fermentation tanks and sends the grape skins and other solids waste to a truck at the end of the crusher. Grape skins and other solid waste is hauled off site for cattle feed. The grate system on the truck pad and between the fermentation tanks collects any storm or process water (see photos).

The facility directs the process water to an influent screen, then through a meter and finally to one of the lagoons (see photo). At the time of the site visit, there is only a pipe to the first lagoon but there are valves to connect a pipe

ECY Inspector: Megan M. Rounds, P.E.
ECY Inspector: Cynthia Wall

to the second lagoon and to a future third lagoon (see photo). The facility will construct a building over the screen apparatus and piping in the future

The facility has one, double-lined lagoon with leak detection in service. The lagoon has two aerators that run 24 hours a day (see photo). A second lagoon was being constructed at the time of inspection. The lagoons have an equalization pipe between them.

While on site, Ecology staff observed that the influent line into the second lagoon is not located as shown on the approved plans and specifications. The influent piping is located next to the effluent pipe, causing a potential for short circuiting. The as-built drawings should note actual location of the pipes.

The discharge pipes for the lagoons have been stubbed out. The facility will construct a concrete pad and complete the discharge pipes so that a tanker truck can connect to the pipes. The tanker trucks will transport the water to vineyards for land treatment and dust suppression.

The facility is planning to construct a bottling facility. Before construction of a bottling operation or using process water for dust control, the facility must submit an updated application to Ecology for review and approval. An addendum to the original engineering report will be necessary for the bottling facility.

The facility will be receiving a draft permit and fact sheet for review in the next few months.

ECY Inspector: Megan M. Rounds Date: 8-11-16
Megan M. Rounds, P.E.
ECY Inspector: Cynthia Wall Date: 8-15-16
Cynthia Wall

<p>Description</p> <p>Future administration building.</p>	<p>Photographs</p> 	<p>Image Name</p> <p>ANCIENT LAKE WINE COMPANY</p>
<p>Storage building for ingredients necessary for fermentation such as yeast. Also stores cleaning chemicals.</p>		<p>ANCIENT LAKE WINE COMPANY</p>
<p>Gutter system in platform connected to lagoon piping.</p>		<p>ANCIENT LAKE WINE COMPANY</p>

Trucks drive up on to platform and dump grapes into bin. The gutter system on platform discharges to wastewater system.



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Auger system to send grapes up conveyor belt.



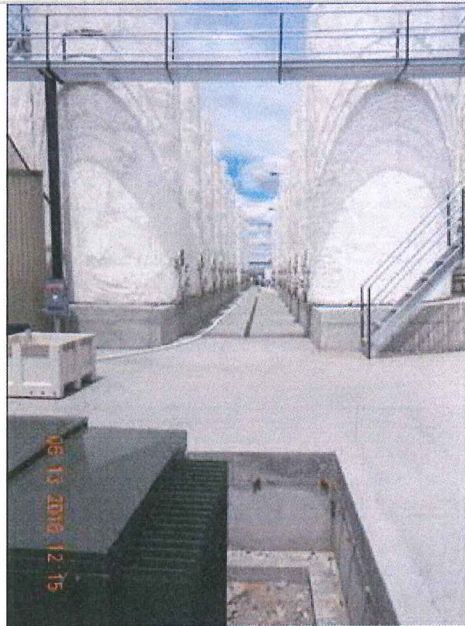
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Fermentation tanks. 97 tanks installed at time of site visit.



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Fermentation tanks. Grate down the middle collects wastewater and directs it to the wastewater system.



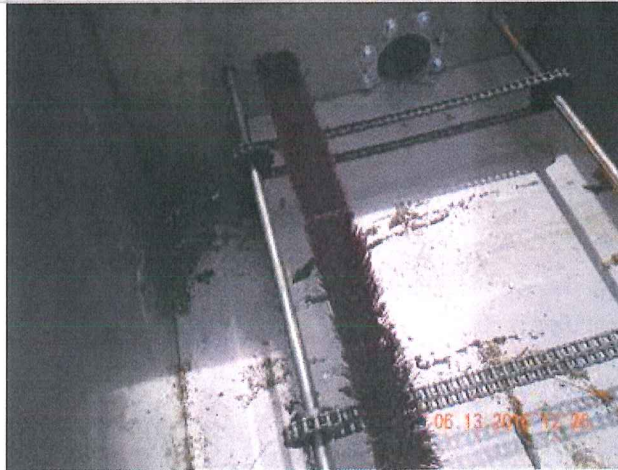
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Screen box and the influent lines.



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Influent screen in box.



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Influent flow meter after the piping to direct flow to either lagoon. In the future, the facility will connect a pipe to each valve. Right now flow can only be sent to the first lagoon.



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First lagoon with aerators operating.



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First lagoon with aeration (looking north).



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Second lagoon under construction. Influent pipe is on the bottom of the lagoon (far right). Effluent is also at the bottom and is next to the influent pipe. The approved plans and specifications did not have the pipes close to each other. This proximity causes a potential for "short circuiting". The pipe located higher on the lagoon slope to the left side of the picture for equalization between the lagoons.



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Second lagoon under construction showing aerators and influent/effluent piping.



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First lagoon with aeration
(looking east).



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Leak detection pipe for Lagoon
#1



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Future discharge pipes for the lagoons. The facility will build a concrete pad at this location. The discharge pipes will be completed with the concrete pad. Then a tanker truck can connect to the discharge pipes. Any spillage will be directed back into the lagoons.

