DEPARTMENT OF ECOLOGY
State of Washington

# Application for a State Waste Discharge Permit to Discharge Industrial Wastewater to a Publicly-Owned Treatment Works (POTW)

email recd 9/28/15 ch



This application is for a state waste discharge permit for a discharge of industrial wastewater to a publicly-owned treatment works (POTW) as required by Chapter 90.48 RCW and Chapter 173-216 WAC. It is designed to provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, and the flow characteristics of the discharge.

Ecology may request additional information to clarify the conditions of this discharge. The applicant should reference information previously submitted to Ecology that applies to this application in the appropriate section.

## SECTION A. GENERAL INFORMATION

1. Applicant Name: Mercer Wine Estates

2. Facility Name: _____
(if different from Applicant)

3. Applicant Mail Address: 3100 Lee Road
Street

Prosser, WA — 99350
City/State — Zip

4. Facility Location Address: _____
(if different from 3 above) Street

_____ — _____
City/State — Zip

5. UBI No. 602-619275

Sometimes called a registration, tax, "C," or resale number, the Unified Business Identifier (UBI) number is a nine-digit number used to identify persons engaging in business activities. The number is assigned when a person completes a Master Business Application to register with or obtain a license from state agencies. The Departments of Revenue, Licensing, Employment Security, Labor and Industries, and the Corporations Division of the Secretary of State are among the state agencies participating in the UBI program.

6. Latitude/longitude of the facility as decimal degrees (NAD83/WGS84):
46° 13' 10.97" N / 119° 43' 606" W

| FOR OFFICE USE ONLY | Check One: | New/Renewal ☒ | Modification ☐ |
|---|---|---|---|
| Date Application Received 9/26/15 | Date Fee Paid | Application/ Permit No. ST 0009263 | Date Application Accepted 11/2/15 |

7. Person to contact who is familiar with the information contained in this application:

Suzie Forsyth 509-786-2097 x 100 Production Coordinator/Compliance Manager suzief@mercerestates.com

Name

Marc Mortimer 509-834-5326 Project Manager, Mercer Canyons Inc marc.mortimer@mercercanyons.com

Title

Telephone number

509-786-2704

Fax number

8. Check One:

☒ **Permit Renewal** (including renewal of temporary permits)

Does this application request a greater amount of wastewater discharge, a greater amount of pollutant discharge, or a discharge of different pollutants than specified in the last permit application for this facility? ☒ YES ☐ NO

For permit renewals, the current permit is an attachment, by reference, to this application.

☐ **Permit Modification**

☐ **Existing Unpermitted Discharge**

☐ **Proposed Discharge**

Anticipated date of discharge: _____

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and/or imprisonment for knowing violations.*

Signature*

10-5-15

Date

General Manager

Title

Willis Mercer

Printed Name

*Applications must be signed as follows: corporations, by a principal executive officer of at least the level of vice-president; partnership, by a general partner; sole proprietorship, by the proprietor. If these titles do not apply to your organization, the person who makes budget decisions for this facility must sign the application.

The application signatory may delegate signature authority for submittals required by the permit, such as monthly reports, to a suitable employee. You can delegate this authority to a qualified individual or to a position, which you expect to fill with a qualified individual. If you wish to delegate signature authority, please complete the following:

Signature of delegated employee

Date

Title or function at the facility

# SECTION B. PRODUCT INFORMATION

1. Briefly describe all manufacturing processes and products, and/or commercial activities, at this facility. Provide the applicable Standard Industrial Category (SIC) and the North American Industry Classification System (NAICS) Code(s) for each activity (see *North American Industrial Classification System,* 2007 ed.). You can find the 1997 NAICS codes and the corresponding 1987 Standard Industry Category (SIC) codes at (http://www.census.gov/epcd/naics/frames3.htm).

Description: Production of finished wine. The process includes growing grapes or working with contracted growers to grow grapes, harvesting grapes, processing the fruit (crush and press), storage and fermentation of the juice, aging of the finished wine in tanks and barrels, bottling the finished product, warehousing, distribution and sales.

2. List raw materials and products used at his facility:

| Type | RAW MATERIALS | Quantity |
|---|---|---|
| *Grapes (Example)* | | *1,000 tons per year* |
| Grapes | | up to 1700 tons annually (~ 115, 000 cases) |
| Potassium Metabisulfite | | 1.17 lbs/per day |
| Sodium Hydroxide | | 1.04 lbs/per day |
| Tartaric Acid | | 2.34 lbs/per day |
| Malic Acid | | 0.84 lbs/per day |
| **Type** | **PRODUCTS** | **Quantity** |
| *Grape Juice(Example)* | | *300,000 gallons per year* |
| PRODUCT - grape juice processed above into wine | | 192,500 gallons per year |
| RAW MATERIALS CONTINUED | | |
| Bentonite | | 1.15 lbs/per day |
| Wine Yeast | | 1.37 lbs/per day |
| Diatomaceous Earth | | 19.69 lbs/per day |

## SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. For each process listed in B.1. that generates wastewater, list the process, assign the waste stream a name and an ID # and describe whether it is a batch or continuous flow.

| Process | Waste Stream Name | Waste Stream ID# | Batch (B) or Continuous (C) Process |
|---|---|---|---|
| Grape Receiving | Crush/Press Equipment Wash Water | 1 | B |
| Tank Storage/Fermentation | Tank and Equip. Wash Water | 2 | B |
| Barrel Aging | Barrel and Equip. Wash Water | 3 | B |
| Bottling | Equip. Sanitation and Wash Water | 4 | B |
| | | | |
| | | | |
| | | | |

11,000 gallons/D 09-11-2014

2. On a separate sheet, produce a schematic drawing showing production proces through the facility, wastewater treatment devices and waste streams as na drawing should indicate the source of intake water and show the operation wastewater to the effluent. The treatment units should be labeled. Construc showing average flows between intakes, operations, treatment units, and points POTW. (*See the example on page 16 of this application form.)*

3. What is the maximum daily wastewater discharge flow? 10000 gallons/day

   What is the maximum average monthly wastewater discharge flow (daily flows averaged over a month)? 4200 gallons/day

5,581 g.p.d. Oct. 2014

4. Describe any planned wastewater treatment improvements or changes i methods, and the schedule for these improvements. *(Use additiona label as attachment C4.)*

   Mercer Estates crew continue to limit the amount of solid waste by generated in the winemaking process and transferring them to a facil composting

October 2014
173,000 gallons
5,581 gallon/DAY
Avg

5. If production processes are subject to seasonal variations, provide the following information. The combined value for each month should equal the estimated total monthly flow. Please indicate the proper flow unit by checking one of the following boxes:

☐ gallons per day ☒ gallons per month ☐ million gallons per month

| Waste Stream ID# | MONTHS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | J | F | M | A | M | J | J | A | S | O | N | D |
| 1. Grape Receiving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46000 | 72000 | 84000 | 9900 | 0 |
| 2. Tank & Equipment | 53040 | 24500 | 51600 | 48000 | 69000 | 69300 | 80300 | 37950 | 32400 | 42000 | 66000 | 54000 |
| 3. Barrel & Equipment | 23400 | 22500 | 29240 | 27200 | 39100 | 33000 | 22000 | 24150 | 12000 | 14000 | 33000 | 36000 |
| 4. Bottling | 1560 | 3000 | 5160 | 4800 | 6900 | 7700 | 7700 | 6900 | 3600 | 0 | 1100 | 0 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Estimated Total Monthly Flow (GPD)** | 78000 | 50000 | 86000 | 80000 | 115000 | 110000 | 110000 | 115000 | 120000 | 140000 | 110000 | 90000 |

6. How many hours a day does this facility typically operate? 9

How many days a week does this facility typically operate? 5

How many weeks per year does this facility typically operate? 52

7. List all incidental materials, such as oil, paint, grease, solvents, and cleaners, that are used or stored on site (*list only those with quantities greater than 10 gallons for liquids and 50 pounds for solids).* For solvents and solvent-based cleaners, include a copy of the material safety data sheet and estimate the quantity used. (*Use additional sheets, if necessary, and label as attachment C.7.)*

Materials/Quantity Stored: none

"ACTUAL PARIS DATA" JIM LEMEN

| MONTH | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2011-2015 AVG FLOW | 35,767 | 27,727 | 53,699 | 58,250 | 54,025 | 67,821 | 80,366 | 88,376 | 117,225 | 116,918 | 69,308 | 47,401 |

2011 - 2015

| 8. | Some types of facilities are required to have spill or waste control plans. Does this facility have: | Yes | No |
|---|---|---|---|
| a. | A spill prevention, control, and countermeasure plan (40 CFR 112)? | ☐ | ☒ |
| b. | An Oil Spill Contingency Plan (chapter 173-182 WAC)? | ☐ | ☒ |
| c. | An emergency response plan (per WAC 173-303-350)? | ☐ | ☒ |
| d. | A runoff, spillage, or leak control plan (per WAC 173-216-110(f))? | ☐ | ☒ |
| e. | Any spill or pollution prevention plan required by local, state or federal authorities? If yes specify: _____ | ☐ | ☒ |
| f. | A solid waste control plan? | ☒ | ☐ |
| g. | A Slug Discharge Control Plan (40 CFR 403.8(f)(2)(v))? | ☐ | ☒ |

# SECTION D. WATER CONSUMPTION AND WATER LOSS

1. Potable water source(s):

☒☐ Public System (Specify) City of Prosser

☐☐ Private Well ☐ Surface Water

a. Water Right Permit Number: _____

b. Legal Description of Water Source

_____ ¼S, _____ ¼E, _____, Section, _____ TWN, _____ R

2. Potable water use

a. Indicate total water use____

Gallons per day (average) _____

Gallons per day (maximum) _____

b. Is water metered?

☒ YES ☐ NO

## SECTION E. WASTEWATER INFORMATION

How are the water intake and effluent flows measured?

Intake: City of Prosser Water Meter

Effluent Magnetic Flow Meter

Describe the collection method for the samples analyzed below. (*i.e.*, grab, 24-hour composite). Applicants must collect grab samples (not composites) for analysis of pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, fecal colifor (including E. coli), and Enterococci (previously known as fecal streptococcus at § 122.26 (d)(2)(iii)(A)(3)),or volatile organic

24-hour composite sample collected at least twice a week by Prosser City Water department for analysis.

Has the effluent been analyzed for any other parameters than those identified in question E.4.? ☐ YES ☒ NO
If yes, attach results and label as attachment E.4. This data must clearly show the date, method and location of sampling. *(Not Ecology may require additional testing.)*

Provide measurements or range of measurements for treated wastewater prior to discharge to the POTW for the parameters wit an "X" in the left column. If you obtain the application from the internet, contact Ecology's regional office to see if testing for subset of these parameters is permissible. All analyses (except pH) must be conducted by a laboratory registered or accredited Ecology (WAC 173-216-125). If this is an application for permit renewal, provide data for the last year for those parameters tl are routinely measured. For parameters measured only for this application, place the values under "Maximum." Report the values with units as specified in the parameter name or in the detection level.

The Permittee must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table unless Ecology approves an alternate method or the method used produces measurable results in the sample and EPA has listed it as an EPA approved method in 40 CFR Part 136. If the Permittee uses an alternative method as allowed above, it mus report the test method, DL, and QL on the discharge monitoring report or in the required report.

| Parameter | Measurement Values | | | Number of Analyses | Analytical Method Std. Methods 19th,20th edition or EPA | Detect Limit/Quar Leve |
|---|---|---|---|---|---|---|
| | Minimum | Maximum | Average | | | |
| D (5 day) | 150 | 15600 | 3288.11 | 2 | SM 5210 B | /2 mg |
| D | | | | | SM 5220 D | /10 m |
| al suspended solids | 0.4 | 1320 | 265.3361 | 2 | SM 2540 D | /5 mg |
| ed Dissolved Solids | | | | | SM 2540 E | |
| al dissolved solids | | | | | SM 2540 C | |
| nductivity cromhos/cm) | | | | | SM 2510 B | |
| monia-N as N | | | | | SM 4500-$NH_3$ C | /0.3 m |
| | 4.5 | 8.6 | | 2 | SM 4500-H | 0.1 standa |
| cal coliform ganisms/100 mL) | | | | | SM 9221 E or 9222 D | |
| al coliform ganisms/100 mL) | | | | | SM 9221 B or 9222 B | |
| solved oxygen | | | | | SM 4500-O C/G | |
| rate + nitrite-N as N | | | | | SM 4500-$NO_3$ E | 100 µg |
| al kjeldahl N as N | | | | | SM 4500-$N_{org}$ C/E/FG | 300 µ |
| ho-phosphate-P as P | | | | | SM 4500-P E/F | 10 µg |
| al-phosphorous-P as P | | | | | SM 4500-P E/P/F | 10 µg |
| al Oil & grease | | | | | EPA 1664A | 1.4/5 r |
| VTPH - Dx | | | | | Ecology NWTPH Dx | 250/250 |
| VTPH - Gx | | | | | Ecology NWTPH Gx | 250/250 |
| lcium | | | | | EPA 200.7 | 10 µg |
| loride | | | | | SM 4500-Cl C | 0.15 µ |
| oride | | | | | SM 4500-F E | .025/0.1 |
| gnesium | | | | | EPA 200.7 | 10/50 |
| lassium | | | | | EPA 200.7 | 700/ µ |
| dium | | | | | EPA 200.7 | 29/ µg |
| lfate | | | | | SM 4500-$SO_4$ C/D | /200 µ |
| enic(total) | | | | | EPA 200.8 | 0.1/0.5 |

See PARIS 1 2 FOR FULL SET DISCHARGE DATA

Y 040-177 (Rev. 5/2011)

| Parameter | Measurement Values | | | Number of Analyses | Analytical Method Std. Methods 19th,20th edition or EPA | Detect Limit/Quar Leve |
|---|---|---|---|---|---|---|
| | Minimum | Maximum | Average | | | |
| rium (total) | | | | | EPA 200.8 | 0.5/2 µ |
| dmium (total) | | | | | EPA 200.8 | .05/.25 |
| romium (total) | | | | | EPA 200.8 | 0.2/1 µ |
| pper (total) | | | | | EPA 200.8 | 0.4/2 µ |
| ad (total) | | | | | EPA 200.8 | 0.1/.5 µ |
| rcury (total) pg/L | | | | | EPA 1631E | 0.2/0.5 |
| lybdenum(total) | | | | | EPA 200.8 | 0.1/0.5 |
| kel(total) | | | | | EPA 200.8 | 0.1/0.5 |
| lenium (total) | | | | | EPA 200.8 | 1/1 µ |
| ver (total) | | | | | EPA 200.8 | .04/.2 µ |
| c (total) | | | | | EPA 200.8 | 0.5/2.5 |

. Does this facility use any of the following chemicals as raw materials or produce them as part of the manufacturing process, or are they present in the wastewater? ☐ YES ☒ NO

(*The number in the column next to the chemical name is the Chemical Abstract Service (CAS) reference number to a in identifying the compound.*)

If yes, specify how the chemical is used and the quantity used or produced:

| METALS, CYANIDE & TOTAL PHENOLS | | | |
|---|---|---|---|
| Antimony, Total | 7440-36-0 | Nickel, Total | 7440-02-0 |
| Arsenic, Total | 7440-38-2 | Selenium, Total | 7782-49-2 |
| Beryllium, Total | 7440-41-7 | Silver, Total | 7440-22-4 |
| Cadmium, Total | 7440-43-9 | Thallium, Total | 7440-28-0 |
| Chromium (hex) dissolved | 18540-29-9 | Zinc, Total | 7440-66-6 |
| Chromium, Total | 7440-47-3 | | |
| Copper, Total | 7440-50-8 | Cyanide, Total | 57-12-5 |
| Lead, Total | 7439-92-1 | Cyanide, Weak Acid Dissociable | |
| Mercury, Total | 7439-97-6) | Phenols, Total | |
| | | | |

| PESTICIDES | | | |
|---|---|---|---|
| | | | |
| Aldrin | 309-00-2 | Endrin | 72-20-8 |
| alpha-BHC | 319-84-6 | Endrin Aldehyde | 7421-93-4 |
| beta-BHC | 319-85-7 | Heptachlor | 76-44-8 |
| gamma-BHC | 58-89-9 | Heptachlor Epoxide | 1024-57-3 |
| delta-BHC | 319-86-8 | PCB-1242 | 53469-21-9 |
| Chlordane | 57-74-9 | PCB-1254 | 11097-69-1 |
| 4,4'-DDT | 50-29-3 | PCB-1221 | 11104-28-2 |
| 4,4'-DDE | 72-55-9 | PCB-1232 | 11141-16-5 |
| 4,4' DDD | 72-54-8 | PCB-1248 | 12672-29-6 |
| Dieldrin | 60-57-1 | PCB-1260 | 11096-82-5 |
| alpha-Endosulfan | 959-98-8 | PCB-1016 | 12674-11-2 |
| beta-Endosulfan | 33213-65-9 | Toxaphene | 8001-35-2 |
| Endosulfan Sulfate | 1031-07-8 | | |

| VOLATILE COMPOUNDS | | | |
|---|---|---|---|
| Acrolein | 107-02-8 | | |
| Acrylonitrile | 107-13-1 | 1,1-Dichloroethylene | 75-35-4 |
| Benzene | 71-43-2 | 1,2-Dichloropropane | 78-87-5 |
| Bromoform | 75-25-2 | 1,3-dichloropropene (mixed isomers) (1,2-dichloropropylene) | 542-75-6 |
| Carbon tetrachloride | 56-23-5 | Ethylbenzene | 100-41-4 |
| Chlorobenzene | 108-90-7 | Methyl bromide (Bromomethane) | 74-83-9 |
| Chloroethane | 75-00-3 | Methyl chloride (Chloromethane) | 74-87-3 |
| 2-Chloroethylvinyl Ether | 110-75-8 | Methylene chloride) | 75-09-2 |
| Chloroform | 67-66-3 | 1,1,2,2-Tetrachloroethane | 79-34-5 |
| Dibromochloromethane | 124-48-1 | Tetrachloroethylene | 127-18-4 |
| 1,2-Dichlorobenzene | 95-50-1 | Toluene (108-88-3) | |
| 1,3-Dichlorobenzene | (541-73-1) | 1,2-Trans-Dichloroethylene (Ethylene dichloride) | 156-60-5 |
| 1,4-Dichlorobenzene | 106-46-7 | 1,1,1-Trichloroethane | 71-55-6 |
| Dichlorobromomethane | 75-27-4 | 1,1,2-Trichloroethane | 79-00-5 |
| 1,1-Dichloroethane | 75-34-3 | Trichloroethylene | 79-01-6 |
| 1,2-Dichloroethane | 107-06-2 | Vinyl chloride | 75-01-4 |

| ACID COMPOUNDS | | | |
|---|---|---|---|
| 2-Chlorophenol | 95-57-8 | 4-nitrophenol | 100-02-7 |
| 2,4-Dichlorophenol | 120-83-2 | Parachlorometa cresol (4-chloro-3-methylphenol) | 59-50-7 |
| 2,4-Dimethylphenol | 105-67-9 | Pentachlorophenol | 87-86-5 |
| 4,6-dinitro-o-cresol (2-methyl-4,6,-dinitrophenol) | 534-52-1 | Phenol | 108-95-2 |
| 2,4 dinitrophenol | 51-28-5 | 2,4,6-Trichlorophenol | 88-06-2 |
| 2-Nitrophenol | 88-75-5 | | |

| BASE/NEUTRAL COMPOUNDS (compounds in bold are Ecology PBTs) | | | |
|---|---|---|---|
| Acenaphthene | 83-32-9 | 3,3-Dichlorobenzidine | 91-94-1 |
| Acenaphthylene | 208-96-8 | Diethyl phthalate | 84-66-2 |
| Anthracene | 120-12-7 | Dimethyl phthalate | 131-11-3 |
| Benzidine | 92-87-5 | Di-n-butyl phthalate) | 84-74-2 |
| Benzyl butyl phthalate | 85-68-7 | 2,4-dinitrotoluene | 121-14-2 |
| Benzo(a)anthracene | 56-55-3 | 2,6-dinitrotoluene | 606-20-2 |
| Benzo(b)fluoranthene (3,4-benzofluoranthene) | 205-99-2 | Di-n-octyl phthalate | 117-84-0 |
| **Benzo(j)fluoranthene** | **205-82-3** | 1,2-Diphenylhydrazine (*as Azobenzene*) | 122-66-7 |
| Benzo(k)fluoranthene (11,12-benzofluoranthene) | 207-08-9 | Fluoranthene | 206-44-0 |
| **Benzo(r,s,t)pentaphene** | **189-55-9** | Fluorene | 86-73-7 |
| Benzo(a)pyrene | 50-32-8 | Hexachlorobenzene | 118-74-1 |
| Benzo(*ghi*)Perylene | 191-24-2 | Hexachlorobutadiene | 87-68-3 |
| Bis(2-*chloroethoxy*)methane | 111-91-1 | Hexachlorocyclopentadiene | 77-47-4 |
| Bis(2-*chloroethyl*)ether | 111-44-4 | Hexachloroethane | 67-72-1 |
| Bis(2-*chloroisopropyl*)ether | 39638-32-9 | Indeno(*1,2,3-cd*)Pyrene | 193-39-5 |
| Bis(2-*ethylhexyl*)phthalate | 117-81-7 | Isophorone | 78-59-1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | **3-Methyl cholanthrene** | **56-49-5** |
| 2-Chloronaphthalene | 91-58-7 | Naphthalene | 91-20-3 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | Nitrobenzene | 98-95-3 |
| Chrysene | 218-01-9 | N-Nitrosodimethylamine | 62-75-9 |
| **Dibenzo (a,j)acridine** | **224-42-0** | N-Nitrosodi-n-propylamine | 621-64-7 |
| **Dibenzo (a,h)acridine** | **226-36-8** | N-Nitrosodiphenylamine | 86-30-6 |
| Dibenzo(a-*h*)anthracene (1,2,5,6-dibenzanthracene) | 53-70-3 | **Perylene** | **198-55-0** |
| Dibenzo(a,e)pyrene | 192-65-4 | Phenanthrene | 85-01-8 |
| Dibenzo(a,h)pyrene | 189-64-0 | Pyrene | 129-00-0 |
| | | 1,2,4-Trichlorobenzene | 120-82-1 |

7. Are any other pesticides, herbicides or fungicides used at this facility? ☐ YES ☒ NO

If yes, specify the material and quantity used:

8 Are there other pollutants that you know of or believe to be present? ☐ YES ☒ NO

If yes, specify the pollutants and their concentration if known
*(attach laboratory analyses if available as Attachment E8):*

9. Is the wastewater being discharged, or proposed for discharge, to the POTW designated as a dangerous waste according to the procedures in Chapter 173-303 WAC?

☐ YES ☐ NO ☒ DON'T KNOW

10. If the answer to question 9 above is yes, how did the waste designate as a dangerous waste *(check appropriate box)*?

For Listed and TCLP Characteristic Wastes only, also provide the Dangerous Waste Number(s).

**Listed Waste** ☐ Dangerous Waste Number(s) ____

**Characteristic Wastes** Dangerous Waste Number(s) ____

Ignitable ☐
Reactive ☐
Corrosive ☐
TCLP ☐

**State Only Dangerous Wastes** Dangerous Waste Number(s) ____

Toxicity ☐
Persistent ☐

For questions about waste designation under the *Dangerous Waste Regulations*, Chapter 173-303 WAC, contact Ecology's Hazardous Waste and Toxics Program at:

| | |
|---|---|
| Northwest Regional Office - Bellevue | (425) 649-7000 |
| Southwest Regional Office - Lacey | (360) 407-6300 |
| Central Regional Office - Yakima | (509) 575-2490 |
| Eastern Regional Office - Spokane | (509) 329-3400 |

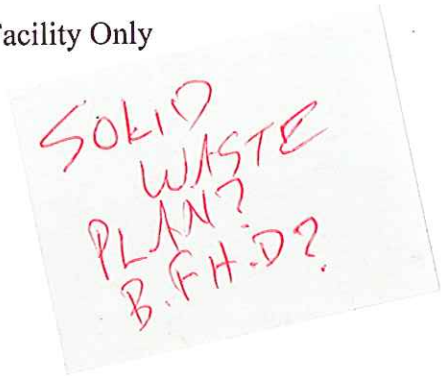
## SECTION F. SEWER INFORMATION

1. Is an inspection and sampling manhole or similar structure available on-site? ☒ YES ☐ NO
   *If yes, attach a map or hand drawing of the facility that shows the location of these structures (Label as attachment F1 or this may be combined with map in H8, if H8 is applicable to your facility.)*

## SECTION G. OTHER PERMITS

1. List all environmental control permits or approvals needed for this facility; for example, air emission permits.

Benton County Clean Air Authority, Registered Facility Only



## SECTION H. STORMWATER

1. Do you have coverage under the Washington State Industrial Stormwater NPDES General Permit? ☐ YES ☒ NO
   If yes, please list the permit number here. _____

   If no, have you applied for a Washington State Stormwater Industrial Stormwater General Permit? ☐ YES ☒ NO

   If you answered no to both questions above, complete the following questions 2 through 5.

2. Does your facility discharge stormwater: *(Check all that apply)*

   ☐ To storm sewer system *(provide name of storm sewer system operator:* _____

   ☐ Directly to any surface waters of Washington State *(e.g., river, lake, creek, estuary, ocean).*

   Specify waterbody name(s) _____

   ☐ Indirectly to surface waters of Washington State *(i.e., flows over adjacent properties first).*

   ☐☐ To a Sanitary Sewer

   ☒ Directly to ground waters of Washington State via:

   ☐☐ Dry well

   ☐ Drainfield

   ☒ Other

3. Areas with industrial activities at facility: *(check all that apply)*

   ☐☐ Manufacturing Building

   ☐☐ Material Handling

   ☐☐ Material Storage

   ☐☐ Hazardous Waste Treatment, Storage, or Disposal *(Refers to RCRA, Subtitle C Facilities Only)*

   ☐☐ Waste Treatment, Storage, or Disposal

   ☐☐ Application or Disposal of Wastewaters

   ☐☐ Storage and Maintenance of Material Handling Equipment

   ☐☐ Vehicle Maintenance

   ☐☐ Areas Where Significant Materials Remain

   ☒☐ Access Roads and Rail Lines for Shipping and Receiving

☐ Other (please specify): _____

4. Material handling/management practices

   a. Types of materials handled and/or stored outdoors: *(check all that apply)*

| | | | |
|---|---|---|---|
| ☐ | Solvents | ☐ | Hazardous Wastes |
| ☐ | Scrap Metal | ☐ | Acids or Alkalies |
| ☐ | Petroleum or Petrochemical Products | ☐ | Paints/Coatings |
| ☐ | Plating Products | ☐ | Woodtreating Products |
| ☐ | Pesticides | ☐ | Other *(please list)*: _____ |

   b. Identify existing management practices employed to reduce pollutants in industrial stormwater discharges: *(check all that apply)*

| | | | |
|---|---|---|---|
| ☐ | Oil/Water Separator | ☐ | Detention Facilities |
| ☐ | Containment | ☒ | Infiltration Basins |
| ☒ | Spill Prevention | ☐ | Operational BMPs |
| ☒ | Surface Leachate Collection | ☒ | Vegetation Management |
| ☐ | Overhead Coverage | ☐ | Other *(please list)*: _____ |

5. Attach a facility site map showing stormwater drainage/collection areas, disposal areas and discharge points. This may be a hand-drawn map if no other site map is available *(See example on page 16 of this application). Label this as attachment H.5.*

## SECTION I. OTHER INFORMATION

1. Describe liquid wastes or sludges being generated by your facility that are not disposed of in the waste stream(s) and how they are being disposed of. For each type of waste, provide type of waste and the name, address, and phone number of the hauler.

   Grape skins, stems, seeds and screening generated as part of the grape receiving process are hauled to feed lot -Mid Vale Cattle Company {1691 Midvale Road, Sunnyside, WA 98944, (509) 837-3151} by R&R Hauling {255 North Grey Road, Grandview, WA 98930,(509) 882-2565 . Diatomaceous Earth and lees are handled in the same manner.

2. Describe storage areas for raw materials, products, and wastes.

   N/A

3. Have you designated the wastes described above according to the applicable procedures of Dangerous Waste Regulations, Chapter 173-303 WAC? ☐ YES ☒ NO

## SECTION J. CERTIFICATIONS

1. **Approval by Publicly-Owned Treatment Works [required by WAC 173-216-070(4)(b)]**

*I approve of the discharge as described in this application. The applicant is:*

(Please check the appropriate box below.)

☒ A Significant Industrial User (see Definitions at the end of this Section)

☐ A Categorical Industrial User

☐ Neither of the above

Name and location of sewer system to which this project will be tributary:

Treatment Works Owner: City of Prosser

Street: 601 Seventh Street

City/State: Prosser, WA Zip: 99350

| Signature of Treatment Works Authority | Date | Title |
|---|---|---|
| | 9/25/15 | PUBLIC WORKS DIRECTOR |

L. J. DA CORSI
Printed Name

2. **Application review by Intermediate Sewer Owner at point of discharge (if applicable)**

*I hereby acknowledge that I have reviewed the application for discharge to this sewer system.*

Name and location of sewer system to which this project will be tributary:

Sewer System Owner:

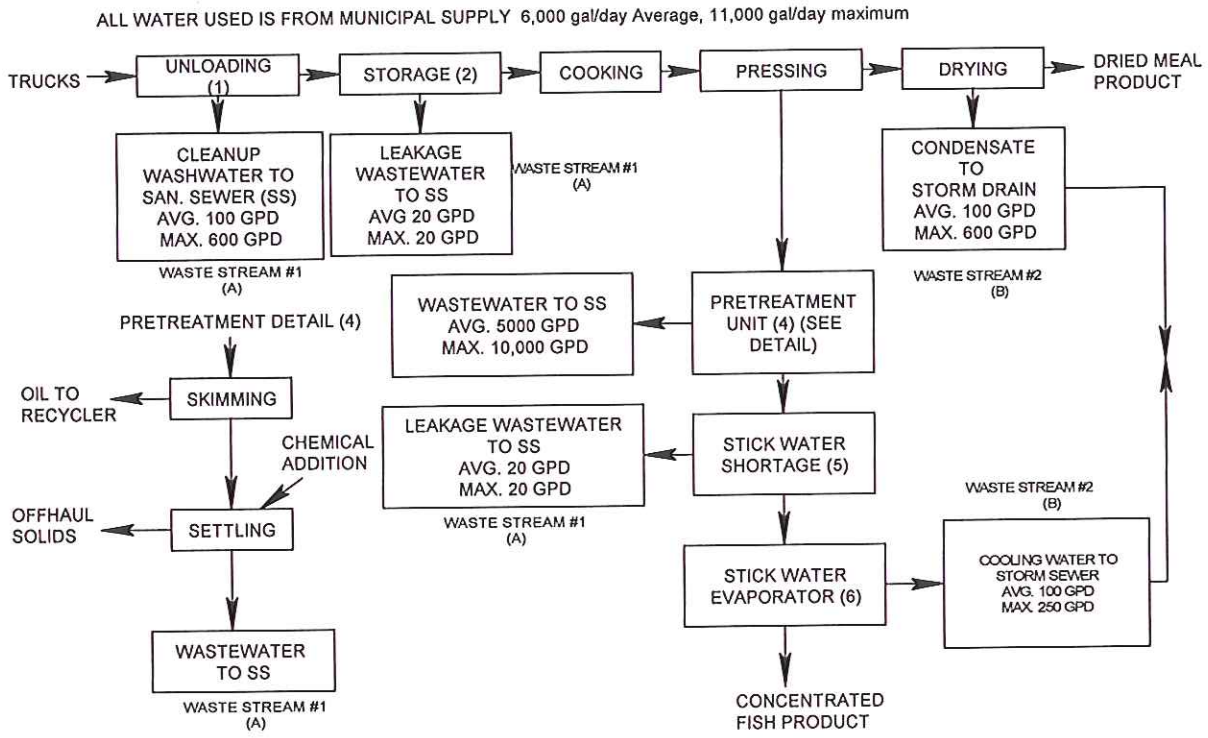
Street:

City/State: Zip:

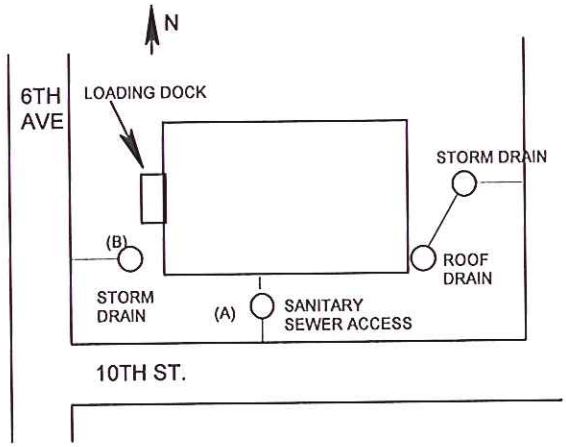
| Signature of Sewer System Authority | Date | Title |
|---|---|---|
| | | |

Printed Name

Example 1 for application section C.2. (SCHEMATIC DIAGRAM)




Example 2 for application section F1 or H8 (FACILITY SITE MAP)



## DEFINITIONS

**Significant Industrial User (SIU)--**

1) All industrial users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and

2) Any other industrial user that: discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling, and boiler blow-down wastewater); contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the Control Authority on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8(f)(6)).

   Upon finding that the industrial user meeting the criteria in paragraph 2, above, has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the Control Authority may at any time, on its own initiative or in response to a petition received from an industrial user or POTW, and in accordance with 40 CFR 403.8(f)(6), determine that such industrial user is not a significant industrial user.

**Control Authority -** means the Washington State Department of Ecology in the case of non-delegated POTWs or means the POTW in the case of delegated POTWs.

**Categoric Industrial User (CIU):** An industrial user subject to national categorical pretreatment standards promulgated by EPA (40 CFR 403.6 and40 CFR parts 405-471).

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**Summary of Attachments That May be Required for This Application:**

*(Please check those attachments that are included)*

☒☐ C.2. Production schematic flow diagram and water balance

☐☐ C.4. Wastewater treatment improvements

☐☐ C.7. Additional incidental materials

☒☐ E.8.Additional results of effluent testing

☒☐ F.1.Facility site map

☒☐ H.5. Stormwater drainage map

*If you need this document in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

# Spill Control Plan

Mercer Wine Estates

Site Contact: Jessica Munnell
Title: Winemaker/plant operation manager
Telephone: o 509-786-2097 c 509-786-8360

Operations Manager is responsible for overseeing implementation of plan for Mercer Wine Estates, and will train all full-time cellar staff annually, or as needed by procedural changes.

*The following is the procedure of notification as requested by Prosser Waste Water Treatment Plant Management.*

- Identify what was spilled. (juice, wine, chemicals, etc.)
- Determine the amount of the spill and note the time.
- Contact Supervisor to assess the situation.
- If it is determined the spill exceeded 500 gallons, and that it did enter the Waste Water Stream, Supervisor will then contact David Copeland or designate.
- Jessica Munnell or designate will then inform Prosser Waste Water Treatment Plant of the spill. Treatment Plant Contact: Perry Harris 786-1101 or after hours Prosser Police Department 786-1500. (Prosser Police Department will contact person on call after hours)
- Jessica Munnell or designate will call Washington State Department of Ecology (1-509-575-2490) to inform them of the spill, and that Prosser Waste Water Treatment Plant was informed.

Inventory of materials of concern:

Juice, and wine are primarily the only products of volume in a

Organized by location (chemical storage area 1, cold storage room, laboratory, fueling station, etc.)

Spill control information:

Map of site with areas where spills are most likely to occur, drains (floor and storm), valves, pumps and switches, and other control structures to contain spills, paved areas and drainage patterns for outdoor spills, and spill containment and clean up equipment. Include sanitary and storm sewers, ditches, drains and streams on site and on adjacent property.

Procedures for managing spills (by category or location)

- ❑ Toxic (pay attention to worker safety, Hazardous waste regulations; minimize quantity lost to drain or ground)
- ❑ Flammable (control fire hazard, contain water or foam used for fire control and obtain approval of Ecology and wastewater treatment system before disposal if possible)
- ❑ High BOD strength (capture as much as possible for use as cattle feed, composting, etc.; obtain approval and discharge schedule from treatment plant before discharging to sewer; obtain approval from Ecology before land application; do not discharge to a ditch)
- ❑ Water (shut off water source; keep toxic materials out of flood; obtain approval from wastewater treatment plant or Ecology as appropriate before discharging; limit discharge rate to sewer or drain; cool hot water before discharge; neutralize chemicals used for controlling fouling if appropriate)

Elements to be included in written report submitted to Ecology following spill:

- time and date of spill
- person(s) responding to spill
- nature of spill (type of material, amount, cause, impacts [sewer, ground, surface water])
- clean up (how was accomplished, where material was disposed of)
- follow up (actions which will be taken to limit potential for recurrence, improvements to response plans, etc., changes in training program)
- agencies notified of spill

**Mercer Wine Estates Spill and Slug Discharge Prevention and Control plan ST0009263**

## MERCER WINE ESTATES
## SPILL NOTIFICATION PLAN

*As Required By Washington State Department of Ecology*
*Permit No. ST0009263*
*[The Permittee shall notify the POTW immediately (as soon as discovered) of all discharges that could cause problems to the POTW.]*

- **The following is the procedure of notification as requested by Prosser Waste Water Treatment Plant Management.**

1. Identify what was spilled. (juice, wine, chemicals, etc.)
2. Determine the amount of the spill and note the time.
3. Contact Supervisor to assess the situation.
4. If it is determined the spill exceeded 500 gallons, and that it did enter the Waste Water Stream, Supervisor will then contact Jessica Munnell or designate.
5. Jessica Munnell or designate will then inform Prosser Waste Water Treatment Plant of the spill. Treatment Plant Contact: Perry Harris 786-1101 or after hours Prosser Police Department 786-1500. (Prosser Police Department will contact person on call after hours)
6. Jessica Munnell or designate will call Washington State Department of Ecology (1-509-575-2490) to inform them of the spill and that Prosser Waste Water Treatment Plant was informed.

**Mercer Wine Estates Solid Waste Control Plan---ST0009263**

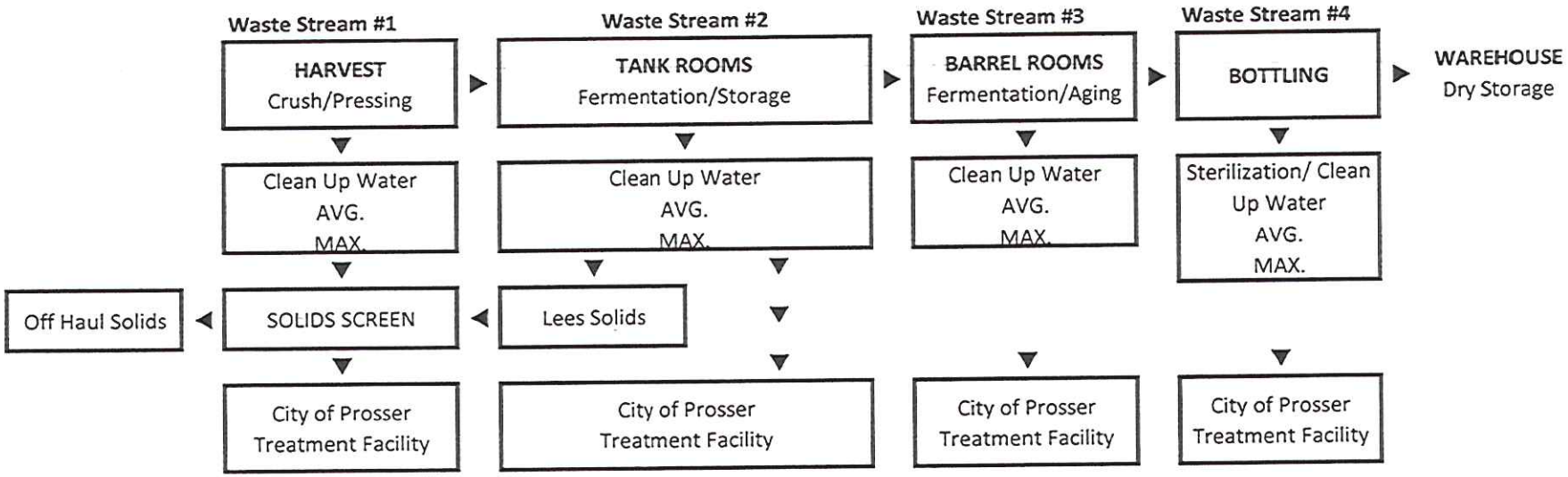
Mercer Wine Estates consolidates its waste in bins and dumps these to a truck and during harvest, grape skins, seeds and vines are conveyed directly to the truck and this is hauled to a feed lot. Harvest waste made-up of grape skins, seeds, vine remnants, and diatomaceous earth (filter-aid) are used at the feed lot, MidVale Cattle Company in Sunnyside, WA.

SECTION C.2

All water discharged to City of Prosser Treatment Facility

gal/day AVG

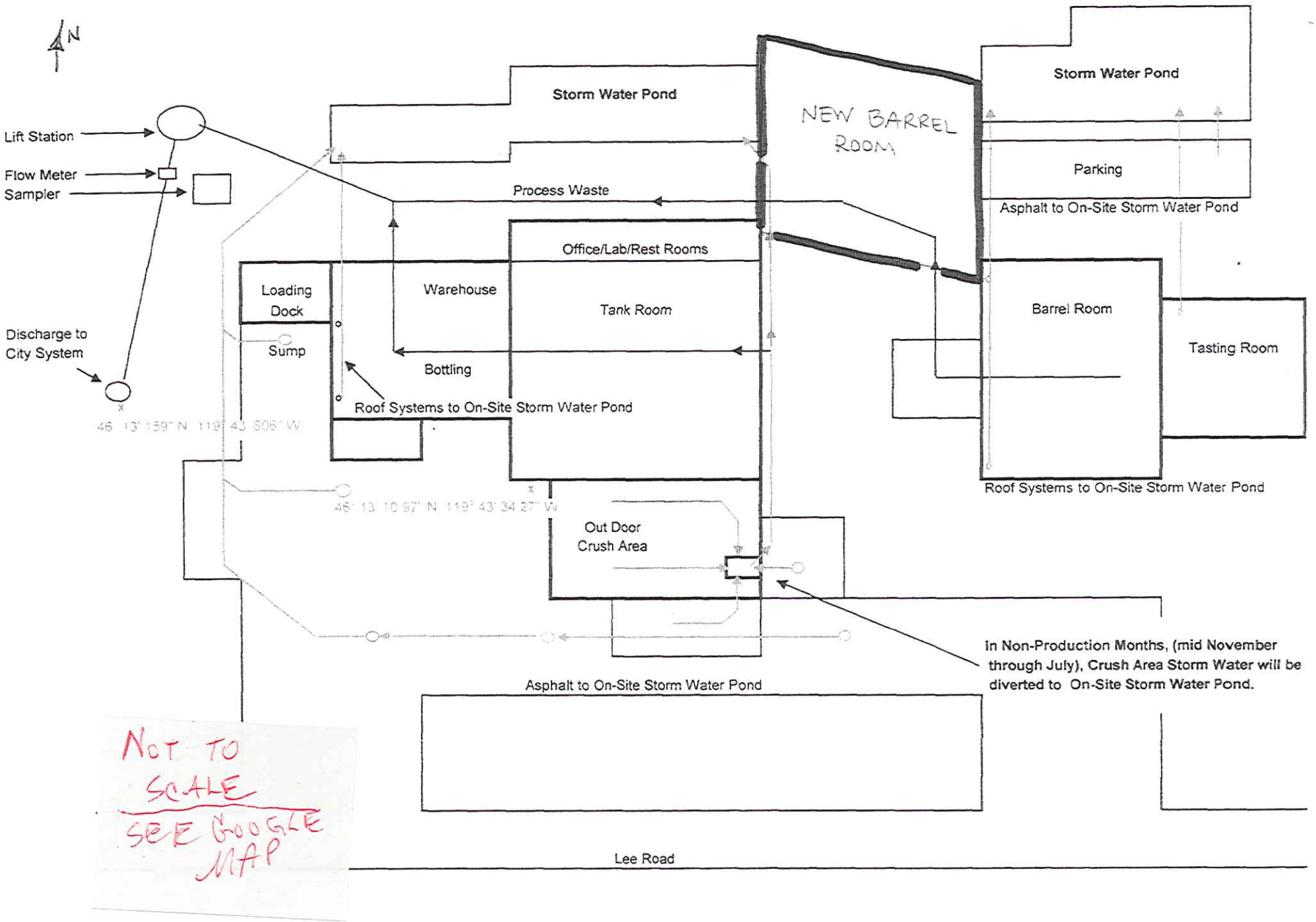
gal/MAX



**SECTION H.8**

**Mercer Wine Estates 3100 Lee Road**

**Drawing Not To Scale**



CASCADE ANALYTICAL, INC.
1-800-545-4206

(509) 662-1888
Fax: (509) 662-8183
3019 G. S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1008 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 416086
Client: Mercer Wine Estates
Account: 15845
Sampler: Suzie Forsyth
PO Number:

# --- Water Analytical Report ---

Report Date: 12/ 1/14

Mercer Wine Estates
3100 Lee Rd
Prosser, WA 99350

Laboratory Number: 14-E030019
Sample Identification: Mercer Wine Wastewater

Date Received: 11/19/14
Date Sampled: 11/18/14

| Test Requested | Results | Units | RL | Method | Date Analyzed | Flags |
|---|---|---|---|---|---|---|
| pH | 5.47 | | | SM 4500H-B | 11/20/14 | |
| Total Suspended Solids | 237. | mg/l | 1.0 | SM 2540-D | 11/25/14 | |
| Biological Oxygen Demand | 2610 | mg/L | 2 | SM 5210-B | 11/20/14 | |

Approved By Name: Andy Schut
Function: Lab Manager/Yakima

Signature: