

Form 200-R5-FP
REPORT OF WASTE DISCHARGE TECHNICAL INFORMATION

ORDER NO. R5-2009-____
WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR
SMALL FOOD PROCESSORS AND SMALL WINERIES

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, CENTRAL VALLEY REGION

Complete all applicable sections of this form. The Executive Officer will not issue a Notice of Applicability unless the Report of Waste Discharge is complete and demonstrates that Order No. R5-2009-____ is applicable to the proposed discharge.

FACILITY MAPS/PLANS

_____ Site Location Map: provide a scaled map that depicts the location of the facility, property, on-site wells, streets, and nearby surface waters.

_____ Processing Facility and Discharge Area Plan: provide a scaled plan that depicts the processing facility, wastewater pipelines, wastewater storage structures, residual solids storage areas, storm water drainage features, and all land application areas.

_____ Other Maps or Plans (Optional): provide other maps, plans, or sketches as desired to illustrate typical design features to supplement your response to the questions below.

There are several online tools that are useful to develop the required maps and plans:

Many Internet search engines provide scaled street maps and/or aerial photos that can be adapted for use.

TerraServer USA (<http://terraserver-usa.com>) allows you to download portions of United States Geological Survey topographic maps that show topography and surface waters. These can be printed directly or imported into most software applications.

Legible hand drawn maps are acceptable.

TYPE OF OPERATION (check all appropriate boxes)

- Winery
- Olive Oil Processing
- Seed Oil Processing
- Cannery
- Seed Washing
- Meat Processing
- Other Describe and provide SIC Code: _____

Standard Industrial Classification (SIC) codes for all industries can be found on the Internet at

<http://www.osha.gov/pls/imis/sicsearch.html>

FACILITY HISTORY (check the appropriate box and answer the questions below the box)

New facility (no operations to date by current owner)

- 1.a _____ Construction completion date. (Circle one: planned or actual)
- 1.b _____ Planned operations start date
- 1.c _____ Planned date of first discharge to land (date or "not applicable")
- 1.d _____ Has the local planning department determined whether the project requires an environmental review to comply with the California Environmental Quality Act (CEQA)?
- 1.e _____ If so, include a copy of either (check the applicable item):
- _____ A letter stating that the project is not subject to CEQA review, or
- _____ A copy of the certified CEQA document (Negative Declaration, Mitigated Negative Declaration or Final Environmental Impact Report, as applicable)

Existing facility covered under the previous waiver (Resolution No. R5-2003-0106)

- 2.a _____ Date of Notice of Applicability
- 2.b _____ Did you discharge process wastewater to land under the previous waiver?
- 2.c _____ Did you discharge residual solids to land under the previous waiver?
- 2.d _____ Did you comply with all of the requirements of the previous waiver?
- 2.e _____ Has this facility expanded since the Notice of Applicability was issued?
- 2.f _____ Do you plan to expand within the next five years?
- 2.g _____ Do you plan to discharge process wastewater to land under the new waiver?
- 2.h _____ Do you plan to discharge residual solids to land under the new waiver?
- 2.i _____ Will you be able to comply with the conditions of the new waiver, including after any planned expansion in the next five years?
- 2.j _____ If not, when do you plan to submit a Report of Waste Discharge to apply for individual Waste Discharge Requirements?

Existing facility not covered under the previous waiver

- 3.a _____ How long have you operated this facility?
- 3.b _____ Do you plan to expand within the next five years?
- 3.c _____ Will you be able to comply with the conditions of the new waiver, including after any planned expansion?
- 3.d _____ If not, when do you plan to submit a Report of Waste Discharge to apply for individual Waste Discharge Requirements?

3.e How do you currently manage and disposal of process wastewater and residual solids? (A brief description is sufficient).

STORM WATER PERMIT COVERAGE

Information about the storm water permit program can be found on our website at http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/

4. _____ Is the facility covered under State Water Resources Control Board Order No. 97-03-DWQ (General NPDES Permit No. CAS000001), titled *Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities* ?

4.a If so, provide the WDID number assigned to the facility (from the acknowledgment letter issued by the State Water Board). _____

4.b If not, provide one of the following (check the applicable item):

- _____ A copy of the Notice of Intent submitted to the State Water Board to apply for coverage.
- _____ A Notice of Non-Applicability issued by Regional Water Board staff.
- _____ A No Exposure Certification and filing fee.

OPERATIONAL INFORMATION

5. How many tons of produce or commodity will be processed per year? (Estimates are acceptable)

_____ tons	2009
_____ tons	2010
_____ tons	2011
_____ tons	2012
_____ tons	2013
_____ tons	2014

6. When is the primary processing season for this facility? (Example: June through October)

7. Does this facility have operations that generate process wastewater or residual solids at other times of the year? If so, describe.

8. Describe all operations and activities that generate process wastewater.

WASTEWATER INFORMATION

9. _____ Does this facility have a self regenerating water softener (one that you add salt to)?

10. _____ Does this facility have a boiler?

11. _____ Does this facility have evaporative cooling systems that are periodically flushed and refreshed with fresh water?

12. _____ Does this facility discharge stillage wastes?

13. If you answered yes to Questions 9, 10, 11, and/or 12 describe how you will segregate these high strength/high salinity wastes and dispose of them off-site.

14. Does this facility utilize acid or caustic cleaning solutions or sanitizing solutions such as sodium hypochlorite (bleach)? If so, list by chemical formulation, concentration, and volume used per year.

<u>Chemical Formulation</u>	<u>Concentration</u>	<u>Volume (gallons per year)</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

15. Does this facility use other chemicals that will be present in the wastewater? If so, list by chemical formulation, concentration, and volume used per year.

<u>Chemical Formulation</u>	<u>Concentration</u>	<u>Volume (gallons per year)</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

16. Provide estimated monthly wastewater flows for each month of the year. (Exclude saline waste streams that will be segregated for separate disposal.)

Month	Wastewater Volume (gallons)
January	_____
February	_____
March	_____
April	_____
May	_____
June	_____
July	_____
August	_____
September	_____
October	_____
November	_____
December	_____
Total	_____

17. _____ Do you expect that your wastewater flows will increase over the next five years?
If so, what is the expected maximum annual volume in gallons? _____

18. Describe the wastewater storage system (number, size, and type of tanks; secondary containment systems, pump systems, spillage/overflow prevention features, etc.)

19. _____ Is the total volume of wastewater generated per year greater than 120,000 gallons?

19.a If so, the facility must have a flow meter that measures the volume of wastewater generated (excluding saline waste streams that will be segregated for separate disposal. Describe the type and location of the flow meter that will be used:

19.b If not, will you be able to estimate the volume generated per month by monitoring tank levels or other means? Describe:

20. If you plan to land apply process wastewater (excluding saline waste streams) under the Waiver, answer the following questions.

20.a Provide estimated monthly land application volume for each month of the year.

Month	Total Wastewater Volume (gallons)
January	_____
February	_____
March	_____
April	_____
May	_____
June	_____
July	_____
August	_____
September	_____
October	_____
November	_____
December	_____
Total	_____

20.b _____ What is the estimated average total nitrogen content of the wastewater in mg/L?

Winery and food processing industry associations may be able to provide typical nitrogen values based on the commodity processed. Examples of such organizations are

The Wine Institute (<http://www.wineinstitute.org/>) and
The California League of Food Processors (<http://www.clfp.com/>)

20.c _____ What is the size of the land application area? (acres or square feet, circle one)

20.d Describe the crops or type of vegetation grown in land application areas, the growing season, and harvesting practices.

20.e Describe the irrigation system and typical amount of wastewater applied per month (inches or gallons per acre).

Note: The irrigation system and land application areas must be designed, operated and maintained to prevent off-site discharge of process wastewater.

RESIDUAL SOLIDS INFORMATION

21. _____ Does the process generate residual organic solids, such as pulp, skins, stems, and/or seeds?

If so, answer the following questions.

21.a Provide an estimate of the weight of residual solids generated each month

Month	Residual Solids Weight (tons)
January	_____
February	_____
March	_____
April	_____
May	_____
June	_____
July	_____
August	_____
September	_____
October	_____
November	_____
December	_____
Total	_____

21.b How do you propose to dispose of the residual solids? (check all that apply)

- Waste landfill
 - Disposal site name and contact information _____
 - Hauler name and contact information _____
- Animal feed
 - Disposal site name and contact information _____
 - Hauler name and contact information _____
- Composting or other off-site recycling facility
 - Disposal site name and contact information _____
 - Hauler name and contact information _____
- On-site land application as a soil amendment. (This option is allowed under the Waiver only for food processors that generate less than 120,000 gallons of wastewater per year.)

22. If residual solids will be applied on-site as a soil amendment, answer the following questions.

22.a _____ Are the residual solids putrescible (can they decay or rot and cause odors or attract flies)?

22.b If so, describe how the waste will be collected and stored to prevent nuisance conditions.

22.c _____ What is the moisture content of the solids (weight percent)?

22.d _____ What is the nitrogen content of the solids (percent or mg/Kg, dry weight basis)?

22.e _____ What is the size of the land application area? (acres or square feet, circle one)

22.f _____ Do you land apply wastewater to the same area?

22.g Describe the crops or type of vegetation grown in the land application area and the growing season.

22.h Describe the amount of solids that will be applied (tons per acre or inches of thickness) and the months of application.

22.i Describe how the solids will be transported to the land application area and spread out.

22.j Describe the structural and operational controls that will be used to prevent release of contaminated storm water runoff from the land application area.
