



Oregon

Tina Kotek, Governor

Department of Environmental Quality

Western Region Salem Office

4026 Fairview Industrial Dr SE

Salem, OR 97302

(503) 378-8240

FAX (503) 373-7944

TTY 711

August 26, 2024

Randy Koziol
Gray & Company
17100 SE Palmer Creek Rd.
Dayton, OR 97114-8045

Re: WPCF permit Applicant Review Period
Comments Due: September 10, 2024, 5 p.m.
File no. 34853
Permit no. 101693
Facility: Gray & Company, 17100 SE Palmer Creek Rd., Dayton
Yamhill County

Enclosed please find the applicant review drafts for your proposed Water Pollution Control Facilities permit including a copy of the public notice, permit, and fact sheet. Please review these documents and submit your comments to:

Trinh Hansen, Water Quality Permit Coordinator
DEQ Western Region
4026 Fairview Industrial Way Dr. SE, Salem, OR 97302
trinh.hansen@deq.oregon.gov

Your comments **must be received by 5 p.m. on September 10, 2024**. DEQ will review your comments and address your concerns to the degree possible; however, we will not prepare a formal written response at this stage. DEQ will provide for additional applicant review if the permit is significantly modified in response to your comments. If there are no significant changes, DEQ will make the permit documents available for interested parties and hold a public hearing. Please be aware that Gray and Company may provide additional comment on the permit during this time. When the public participation period has ended, DEQ will take final action on your application.

Please contact me at 503-378-5055 with any questions about permitting processing. If you have any questions about your current permit, please contact Steve Nichols at 541-972-5466 or steve.nichols@deq.oregon.gov.

Sincerely,

Trinh Hansen

Trinh Hansen
Water Quality Permit Coordinator
Western Region, Salem Office

cc: Source File, Salem Office, DEQ
Steve Nichols, Coos Bay, DEQ
Rane Nomura, Eugene, DEQ
ORMS



PUBLIC NOTICE

Date posted: X/X/XX

DEQ Requests Comments on Proposed Water Quality Permit Renewal for Gray and Company

HOW TO PROVIDE PUBLIC COMMENT

Facility name: Gray and Company

Permit type: Water Pollution Control Facility Permit

Comments due by: [Date] at 5 p.m. [Must be a workday, not a holiday and appropriate number of days after the public notice is issued, according to permit action category.]

Send written comments to:

By mail: Trinh Hansen, WQ Permit Coordinator,
Oregon DEQ
4026 Fairview Industrial Dr., SE, Salem, OR 97302

By email: trinh.hansen@deq.oregon.gov

The Oregon Department of Environmental Quality invites the public to provide written comments on Gray and Company's proposed water quality permit, known officially as a Water Pollution Control Facility permit.

Summary

This permit allows Gray and Company to treat, store and transfer wastewater to a neighboring dairy operation. Part of the review process is an opportunity for public comment, based on the renewal application and other DEQ information. Subject to public review and comment, DEQ plans to renew the permit.

About the facility

Gray and Company is a maraschino cherry processing plant located at 17100 SE Palmer Creek Road in Dayton, a city in Yamhill County. DEQ last issued this permit on May 21, 2005.

The facility transfers treated wastewater to Sleger's Dairy. The permit does not allow any discharges to waterways.

The facility holds no other permits from DEQ.

How does the permit limit the discharge of pollutants?

The facility does not intentionally discharge treated wastewater, but DEQ included disposal limitations to allow Gray and Company to eventually transition to disposal under the permit. Modifications to the permit would be required before disposal by Gray and Company could occur.

Would the draft permit change how the discharge of pollutants is regulated?

The facility does not intentionally discharge treated wastewater.

Translation or other formats

[Español](#) | [한국어](#) | [繁體中文](#) | [Русский](#) | [Tiếng Việt](#) | [العربية](#)
800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

How does DEQ determine permit requirements?

DEQ evaluates types and amounts of pollutants and the water quality of the surface water or groundwater where the pollutants are proposed to be stored to determine permit requirements. This ensures the proposed storage will meet applicable statutes, rules, regulations and effluent guidelines of Oregon and the Clean Water Act.

For this proposed permit action, DEQ evaluated a technical memorandum detailing a Preliminary Groundwater Assessment prepared by Golder Associates, Inc. dated May 4, 2018. The memorandum may be viewed 465 Elrod Ave., Suite 201, Coos Bay, OR 97420. In addition to DEQ's evaluation noted above, DEQ has exercised discretion in establishing monitoring/reporting requirements.

Discretion exists when DEQ has the power to make a choice about whether to act or not act, to approve or not approve, or to approve with conditions. The role of the decision-maker is to make a judgment that takes into account all relevant information.

How does DEQ monitor compliance with the permit requirements?

This permit will require Gray and Company, in the vicinity of the wastewater lagoon, to monitor for pollutants in groundwater using approved monitoring practices and standards. DEQ will review the monitoring results and determine any additional actions deemed necessary to protect the environment.

What happens next?

DEQ will hold a public hearing if DEQ receives a written request for a public hearing within 14 days of posting the public notice from at least 10 people.

DEQ will consider and respond to all comments received and may modify the proposed permit based on comments.

For more information

View information about this proposed permit renewal including the application, permit evaluation report and underlying documents online or by contacting Trinh Hansen, Water Quality Permitting Coordinator, to make an appointment to review the documents in person.

Non-discrimination statement

DEQ does not discriminate on the basis of race, color, national origin, disability, age or sex in administration of its programs or activities. Visit DEQ's [Civil Rights and Environmental Justice page](#).

**WATER POLLUTION CONTROL FACILITY WASTE DISCHARGE PERMIT**

Oregon Department of Environmental Quality
Western Region – Salem Office
4026 Fairview Industrial Dr SE, Salem, OR 97302
Telephone: (503) 378-8240
Issued pursuant to ORS 468B.050

ISSUED TO:

Gray and Company
17100 SE Palmer Creek Road
Dayton, OR 97114

SOURCES COVERED BY THIS PERMIT:

Type of Waste	Outfall Number	Method of Disposal
Fruit Processing	001	Land Application

FACILITY TYPE AND LOCATION:

Fruit processing plant with aerated storage lagoon and no current land application sites
17100 SE Palmer Creek Road,
Dayton, Oregon 97114

RIVER BASIN INFORMATION:

Basin: Willamette
Sub-Basin: Upper Willamette
LLID: 1230703452218
County: Yamhill
Nearest surface stream which would receive waste if it were to discharge: Palmer Creek, River Mile 4.0

Issued in response to application no. 959403 received October 31, 2014, and based on the land use compatibility statement in the permit record.

DRAFT

Ranei Nomura
Western Region Water Quality Manager

DRAFT

Signature Date

DRAFT

Effective Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify, or operate a wastewater collection, treatment, control and disposal system in conformance with all the requirements, limitations, and conditions set forth in the attached schedules.

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon Administrative Rule, any other direct or indirect discharge to waters of the state is prohibited, including discharge to an underground injection control system.

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SCHEDULE A: Waste Discharge Limitations

- 1.** Wastewater must be applied to the land application area uniformly by spray irrigation and be distributed on land for dissipation by evapotranspiration and controlled seepage by following sound irrigation practices so as to prevent:
 - i. Prolonged ponding of wastewater on the ground surface;
 - ii. Surface runoff or subsurface drainage through drainage tile;
 - iii. The creation of odors, fly and mosquito breeding and other nuisance conditions; and,
 - iv. The overloading of land with nutrients or organics.
- 2.** The permittee must not apply wastewater to the land application site in quantities that:
 - i. Exceed agronomic requirements of the land application site as provided in the Operations Monitoring and Management Plan;
 - ii. Significantly reduce or destroy the long-term infiltration rate of the soil;
 - iii. Would cause long-term anaerobic conditions in the soil; and,
 - iv. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter groundwater quality.
- 3.** The permittee may not accept wastes generated from outside the processing facility.
- 4.** At all times during land application activities, the permittee must maintain a viable and healthy cover crop or vegetation as specified in the OM&M Plan.
- 5.** Prior to land application, wastewater must be screened as necessary to prevent equipment clogging, and to prevent solids accumulation to the point where solids cause nuisance odors or provide harborage for vectors or insects. Waste solids must be handled and disposed in such a manner as to prevent its entry into waters of the state or groundwater.
- 6.** No activities shall be conducted that could cause an adverse impact on existing or potential beneficial uses of groundwater. All wastewater and process-related residuals must be managed and disposed in a manner that will prevent a violation of the Groundwater Quality Protection Rules (OAR 340-040).
- 7.** Discharge or functional equivalent of discharge to navigable waters as defined in OAR Chapter 340, Division 045, Section 0010(13) is prohibited.

SCHEDULE B: Minimum Monitoring and Reporting Requirements

1. Monitoring and Reporting Protocols

a. Quality Assurance and Quality Control (QA/QC)

The permittee must develop and implement a written QA/QC program to verify the accuracy of sample analysis as specified in 40 CFR Section 136. The QA/QC program must conform to the requirements of 40 CFR Section 136.7. For additional requirements on proper sampling techniques, test methods and QA/QC procedures, see Schedule F, Section C.

b. Re-analysis, Re-sampling and Reporting of Data if QA/QC Requirements Not Met

If QA/QC requirements are not met for any analysis, the permittee must have the sample re-analyzed. If the sample cannot be re-analyzed, the permittee must re-sample as soon as possible. If a sample result does not meet QA/QC requirements, the result must be included in the DMR along with a notation explaining how it does not meet QA/QC requirements but may not be used in any calculation required by the permit.

2. Influent

The permittee must monitor influent from the plant to the concrete treatment tanks and from the concrete treatment tanks to the storage lagoon, as specified in Table B1.

Table B1: Influent

Item or Parameter	Minimum Frequency	Sample Type / Required Action	Report
Total Flow (MGD) from plant to concrete treatment tanks	Daily	Measurement	Daily values
Total Flow (MGD) from concrete treatment tanks to storage lagoon	Daily	Measurement	Daily values
Flow Meter Verification	Annually	Verification	Report that verification was completed.
Total Dissolved Solids (70295) from concrete treatment tanks to storage lagoon	Quarterly	Grab	Daily values
Nitrate (NO ₃) Plus Nitrite (NO ₂) Nitrogen (00630) from concrete treatment tanks to storage lagoon	Quarterly	Grab	Daily values
Storage lagoon freeboard	Weekly	Gauge Reading	Gauge Readings

3. Outfall 001-Process Wastewater

If permittee irrigates with treated wastewater, the permittee must monitor wastewater as specified in the OM&M Plan.

4. Wastewater Transferred to Dairy

The permittee must monitor wastewater transferred to the dairy as specified in Table B2.

Table B2: Wastewater Transferred to Dairy

Item or Parameter	Minimum Frequency	Sample Type / Required Action	Report
Total Flow (MGD) from either the storage lagoon or processing plant	Daily	Measurement	Daily values
Flow Meter Verification	Annually	Verification	Report that verification was completed.
pH (00400)	Monthly	Grab	Daily values
Total Kjeldahl Nitrogen (TKN)(00625)	Monthly	Grab	Daily values

5. Groundwater Monitoring

The permittee must monitor each monitoring well (MW-1, MW-2, MW-3) as specified in Table B3.

Table B3: Groundwater Monitoring

Item or Parameter	Minimum Frequency	Sample Type / Required Action	Report
Groundwater elevation	Quarterly	Measurement	Daily values
Total Dissolved Solids (70295)	Quarterly	Grab	Daily values
pH (00400)	Quarterly	Grab	Daily values
Nitrate (NO3)	Quarterly	Grab	Daily values

6. Minimum Reporting Requirements

The permittee must report monitoring results as listed in Table B4.

Table B4: Reporting Requirements and Due Dates

Reporting Requirement	Frequency	Due Date	Report Form (unless otherwise specified in writing)	Submit To:
1. Table B1: Influent 2. Table B2: Wastewater Transferred to Dairy 3. Table B3: Groundwater	Annually	February 15 th	1 hard copy	DEQ Regional Office
Outfall 001 (only when outfall monitoring included in OM&M Plan)	Annually	February 15 th	1 hard copy	DEQ Regional Office

SCHEDULE D: Special Conditions

1. Operations Monitoring and Management Plan (OM&M)

Before land application activities may be conducted by permittee, permittee will submit for approval an OM&M plan. The plan must follow the DEQ Internal Management Directive Operations, Monitoring, and Management (OM&M) Plans for Land Application of Non-Sanitary Wastewater. Upon approval, permittee must implement the plan.

- a. The plan, at a minimum, must also include but not be limited to, detailed information of the following:
- b. A description of the fruit processes that are done.
- c. Land application design capacity (volume of water, mass of nutrients, land capacity assessment, expressed in table form for nutrient and consumptive loading).
- d. List of crops that are grown, fertilizer guides for these crops, approved agronomic rates according to scientific literature for those crops, crop specific typical rooting depth, proposed crop water needs.
- e. Method and calculations used for nutrient loading and calculated balances for total nitrogen, TDS, and BOD.
- f. Information regarding process wastewater monitoring, analytical methods and field quality assurance and quality control procedures.
- g. Soil monitoring including number and distribution of sampling locations, sampling techniques (representative soil sampling, soil type, methodology, equipment,) sampling frequency and depth, and analytical methods.
- h. Information regarding supplemental water quality and quantity.
- i. Wastewater sources and wastewater solids sources.
- j. Commercial fertilizers.
- k. Other nitrogen sources.

No land application activities may be conducted by permittee before approval of the OM&M plan and all activities pertaining to the management, treatment, and disposal of the authorized wastes and maintenance of the land application site shall be conducted in accordance with the approved OM&M plan. No changes may be made in the approved plan without written approval by the DEQ.

2. Spill Contingency Plan

The permittee must have in force at all times an adequate contingency plan for preventing or handling spills and unplanned discharges. The permittee must maintain a continuing program of employee orientation and education to assure good in-plant control and quick and proper action if a spill or accident occurs.

3. Emergency Response and Public Notification Plan

The permittee must develop, maintain, and implement an Emergency Response and Public Notification Plan (the Plan) per Schedule F, section B, conditions 5 and 6. The permit holder must develop the Plan within six months of permit issuance and update the Plan annually to ensure that telephone and email contact information for applicable public agencies are current and accurate. An updated copy of the Plan must be kept on file at the wastewater treatment facility for DEQ review.

SCHEDULE F: General Conditions

SECTION A. STANDARD CONDITIONS

1. Duty to Comply with Permit

The permittee must comply with all conditions of this permit. Failure to comply with any permit condition is a violation of Oregon Revised Statutes (ORS) 468B.025 and grounds for an enforcement action. Failure to comply is also grounds for the Department to modify, revoke, or deny renewal of a permit.

2. Property Rights and Other Legal Requirements

Issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, or authorize any injury to persons or property or invasion of any other rights, or any infringement of federal, tribal, state, or local laws or regulations.

3. Liability

The Department of Environmental Quality or its officers, agents, or employees may not sustain any liability on account of the issuance of this permit or on account of the construction or maintenance of facilities or systems because of this permit.

4. Permit Actions

After notice by the Department, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including but not limited to the following:

- a. Violation of any term or condition of this permit, any applicable rule or statute, or any order of the Commission;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts.

5. Transfer of Permit

This permit may not be transferred to a third party without prior written approval from the Department. The Department may approve transfers where the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of this permit and the rules of the Commission. A transfer application and filing fee must be submitted to the Department.

6. Permit Fees

The permittee must pay the fees required by Oregon Administrative Rules.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

At all times the permittee must maintain in good working order and properly operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to comply with the terms and conditions of this permit.

2. Standard Operation and Maintenance

All waste collection, control, treatment, and disposal facilities or systems must be operated in a manner consistent with the following:

- a. At all times, all facilities or systems must be operated as efficiently as possible in a manner that will prevent discharges, health hazards, and nuisance conditions.
- b. All screenings, grit, and sludge must be disposed of in a manner approved by the Department to prevent any pollutant from the materials from reaching waters of the state, creating a public health hazard, or causing a nuisance condition.
- c. Bypassing untreated waste is generally prohibited. Bypassing may not occur without prior written permission from the Department except where unavoidable to prevent loss of life, personal injury, or severe property damage.

3. Noncompliance and Notification Procedures

If the permittee is unable to comply with conditions of this permit because of surfacing sewage; a breakdown of equipment, facilities or systems; an accident caused by human error or negligence; or any other cause such as an act of nature, the permittee must:

- a. Immediately take action to stop, contain, and clean up the unauthorized discharges and correct the problem.
- b. Immediately notify the Department's Regional office so that an investigation can be made to evaluate the impact and the corrective actions taken, and to determine any additional action that must be taken.
- c. Within 5 days of the time the permittee becomes aware of the circumstances, the permittee must submit to the Department a detailed written report describing the breakdown, the actual quantity and quality of waste discharged, corrective action taken, steps taken to prevent a recurrence, and any other pertinent information.

Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit or liability for failure to comply.

4. Wastewater System Personnel

The permittee must provide an adequate operating staff that is duly qualified to carry out the operation, maintenance, and monitoring requirements to assure continuous compliance with the conditions of this permit.

5. Public Notification of Effluent Violation or Overflow

If effluent limitations specified in this permit are exceeded or an overflow occurs that threatens public health, the permittee must take such steps as are necessary to alert the public, health agencies and other affected entities (e.g., public water systems) about the extent and nature of the discharge in accordance with the notification procedures developed under General Condition B.6. Such steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.

6. Emergency Response and Public Notification Plan

The permittee must develop and implement an emergency response and public notification plan that identifies measures to protect public health from overflows, bypasses or upsets that may endanger public health. At a minimum the plan must include mechanisms to:

- a. Ensure that the permittee is aware (to the greatest extent possible) of such events;
- b. Ensure notification of appropriate personnel and ensure that they are immediately dispatched for investigation and response;
- c. Ensure immediate notification to the public, health agencies, and other affected public entities (including public water systems). The overflow response plan must identify the public health and other officials who will receive immediate notification;
- d. Ensure that appropriate personnel are aware of and follow the plan and are appropriately trained;
- e. Provide emergency operations; and
- f. Ensure that DEQ is notified of the public notification steps taken.

SECTION C. MONITORING AND RECORDS

1. Inspection and Entry

The permittee must at all reasonable times allow authorized representatives of the Department to:

- a. Enter upon the permittee's premises where a waste source or disposal system is located or where any records are required to be kept under the terms and conditions of this permit;
- b. Have access to and copy any records required by this permit;
- c. Inspect any treatment or disposal system, practices, operations, monitoring equipment, or monitoring method regulated or required by this permit; or
- d. Sample or monitor any substances or permit parameters at any location at reasonable times for the purpose of assuring permit compliance or as otherwise authorized by state law...

2. Averaging of Measurements

Calculations of averages of measurements required for all parameters except bacteria must use an arithmetic mean; bacteria must be averaged as specified in the permit.

3. Monitoring Procedures

Monitoring must be conducted according to test procedures specified in the most recent edition of **Standard Methods for the Examination of Water and Wastewater**, unless other test procedures have been approved in writing by the Department and specified in this permit.

4. Representative Sampling

Sampling and measurements taken as required herein must be representative of the volume and nature of the monitored discharge when discharging or land applying. Monitoring points must not be changed without notification to and the approval of DEQ.

5. Retention of Records

The permittee must retain records of all monitoring and maintenance information, including all calibrations, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. The Department may extend this period at any time.

SECTION D. REPORTING REQUIREMENTS1. Plan Submittal

Pursuant to Oregon Revised Statute 468B.055, unless specifically exempted by rule, construction, installation, or modification of disposal systems, treatment works, or sewerage systems may not commence until plans and specifications are submitted to and approved in writing by the Department. All construction, installation, or modification shall be in strict conformance with the Department's written approval of the plans.

2. Change in Discharge

Whenever a facility expansion, production increase, or process modification is expected to result in a change in the character of pollutants to be discharged or in a new or increased discharge that will exceed the conditions of this permit, a new application must be submitted together with the necessary reports, plans, and specifications for the proposed changes. A change may not be made until plans have been approved and a new permit or permit modification has been issued.

3. Signatory Requirements

All applications, reports, or information submitted to the Department must be signed and certified by the official applicant of record (owner) or authorized designee.

4. Twenty-Four Hour Reporting

The permittee must report any noncompliance that may endanger health or the environment. Any information must be provided orally (by telephone) to DEQ or to the Oregon Emergency Response System (1-800-452-0311) as specified below within 24 hours from the time the permittee becomes aware of the circumstances.

a. Overflows.

(1) Oral Reporting within 24 hours.

- i. For overflows other than basement backups, the following information must be reported to the Oregon Emergency Response System (OERS) at 1-800-452-0311. For basement backups, this information should be reported directly to DEQ.
 - a) The location of the overflow;
 - b) The receiving water (if there is one);
 - c) An estimate of the volume of the overflow;
 - d) A description of the sewer system component from which the release occurred (e.g., manhole, constructed overflow pipe, crack in pipe); and
 - e) The estimated date and time when the overflow began and stopped or will be stopped.
- ii. The following information must be reported to the Department's Regional office within 24 hours, or during normal business hours, whichever is first:
 - a) The OERS incident number (if applicable) along with a brief description of the event.

(2) Written reporting within 5 days.

- i. The following information must be provided in writing to the Department's Regional office within 5 days of the time the permittee becomes aware of the overflow:
 - a) The OERS incident number (if applicable);
 - b) The cause or suspected cause of the overflow;
 - c) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the overflow and a schedule of major milestones for those steps;
 - d) Steps taken or planned to mitigate the impact(s) of the overflow and a schedule of major milestones for those steps; and

- e) (for storm-related overflows) The rainfall intensity (inches/hour) and duration of the storm associated with the overflow.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

b. Other instances of noncompliance.

(1) The following instances of noncompliance must be reported:

- i. Any unanticipated bypass that exceeds any effluent limitation in this permit;
- ii. Any upset that exceeds any effluent limitation in this permit;
- iii. Violation of maximum daily discharge limitation for any of the pollutants listed by the Department in this permit; and
- iv. Any noncompliance that may endanger human health or the environment.

(2) During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

(3) A written submission must be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission must contain:

- i. A description of the noncompliance and its cause;
- ii. The period of noncompliance, including exact dates and times;
- iii. The estimated time noncompliance is expected to continue if it has not been corrected;
- iv. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and
- v. Public notification steps taken, pursuant to General Condition B.6.

(4) The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

SECTION E. DEFINITIONS

1. *BOD₅* means five-day biochemical oxygen demand.
2. *TSS* means total suspended solids.
3. *FC* means fecal coliform bacteria.
4. *NH₃-N* means Ammonia Nitrogen.
5. *NO₃-N* means Nitrate Nitrogen.
6. *NO₂-N* means Nitrite Nitrogen.
7. *TKN* means Total Kjeldahl Nitrogen.
8. *Cl* means Chloride.
9. *TN* means Total Nitrogen.
10. "*Bacteria*" includes but is not limited to fecal coliform bacteria, total coliform bacteria, and *E. coli* bacteria.
11. *Total residual chlorine* means combined chlorine forms plus free residual chlorine.
12. *mg/l* means milligrams per liter.
13. *ug/l* means micrograms per liter.
14. *kg* means kilograms.
15. *GPD* means gallons per day.
16. *MGD* means million gallons per day.
17. *Grab sample* means an individual discrete sample collected over a period of time not to exceed 15 minutes.
18. *Composite sample* means a combination of samples collected, generally at equal flow or time intervals over a 24-hour period.
19. *Week* means a calendar week of Sunday through Saturday.
20. *Month* means a calendar month.
21. *Quarter* means January through March, April through June, July through September, or October through December.



State of Oregon
Department of
Environmental
Quality

Water Pollution Control Facilities Permit Permit Fact Sheet Gray and Company

Oregon Department of Environmental Quality

Western Region Office

4026 Fairview Industrial Dr SE, Salem, OR 97302

Permittee	Gray and Company 17100 SE Palmer Creek Road Dayton, OR 97114
Existing Permit Information	File Number: 34853 Permit Number: 101693 Expiration Date: December 31, 2014
Permittee Contact	Randy Koziol 17100 SE Palmer Creek Road Dayton, OR 97114 503-864-2252
Facility Location	17100 SE Palmer Creek Road Dayton, OR Yamhill County
LLID	1230703452218 River Mile 4.0
Nearest Surface Stream/Basin	Receiving stream: Palmer Creek Basin: Willamette Sub-Basin: Upper Willamette
Proposed Action	Renew Permit Application Number: 959403 Date Received: 10/31/2014
Source Category	WPCF – Industrial Minor
Sources Covered	Industrial Wastewater
Permit Type	WPCF-IW-B03
Permit Writer	Steve Nichols 541-972-5466 Natural Resource Specialist / Western Region Date Prepared: (final date prior to PN)

WPCF Permit Renewal Fact Sheet Gray and Company

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WPCF Permit Renewal Fact Sheet

Gray and Company

1. Introduction

On May 21, 2005, the Department of Environmental Quality (DEQ) issued Water Pollution Control Facility (WPCF) permit, number 101693 to Gray and Company, located at 17100 SE Palmer Creek Road, Dayton, Oregon. Though presently there is no need, the permit does allow Gray to dispose of wastewater via land application when certain requirements are met.

DEQ received renewal application number 959403 on October 31, 2014. DEQ proposes to renew the permit. The purpose of this permit evaluation report is to explain and provide justification for the permit renewal. A renewed permit is necessary to operate a wastewater treatment and disposal system pursuant to provisions of Oregon Revised Statutes (ORS) 468B.050. This proposed permit action by DEQ complies with state requirements.

2. Permit History

2.1 Issuance, Renewal, and Modification

Presently, wastewater is treated in accordance with existing WPCF permit number 101693. No intentional disposal activities are occurring. DEQ issued the facility's current permit on April 21, 2005. The permit expired on December 31, 2014. The permittee submitted a renewal application on time and the current permit remains in effect until DEQ takes final action on the renewal application as per OAR 340-045-0040. No modifications were made to the current permit.

3. Facilities Description

3.1 Overview

The Gray plant processes 7,000 to 8,000 tons of maraschino cherries per year. The facility consists of the plant operations building, a 12,000,000-gallon capacity storage/treatment lagoon with aeration, two 75,000-gallon concrete treatment tanks, and an outdoor brining pit area with approximately 60 cells, each lined with 26-mil liner. A deep field tile encircles the brining area to capture water loss, and water occasionally observed in the associated manhole is pumped back to the treatment tanks.

During the irrigation season, both newly generated wastewater, and treated wastewater from the aerated storage lagoon, enter the concrete tanks for pH adjustment using lime, and is then transferred via pipe to Sleger's Dairy. During the non-irrigation season, wastewater from the storage lagoon may also be transferred to maintain sufficient lagoon freeboard during heavy precipitation.

Figure 3-1: Gray and Company – Aerial View



3.2 Wastewater Sources, Treatment and Transfer

Sources of wastewater include brining, color leaching (using sulfur dioxide), bleaching (using sodium chlorite), washdown, and other process waters associated with cherry pitting, rinsing, sizing, and sorting. Wastewater from these sources enters one of the two concrete treatment tanks. Pits are screened out before entering the tanks. Acidic wastewater is neutralized within the tanks. During the irrigation season, after neutralization, the wastewater is piped under the road (Dayton-Salem Highway), to the Dairy.

[illegible]

3.3 Stormwater

3.4 Groundwater

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In October 2017, Gray met with DEQ to discuss permit renewal for the facility. During the meeting, DEQ expressed concern that the wastewater lagoon may be the source of elevated TDS in MW-1. Based on this concern, DEQ requested Gray expand its existing groundwater monitoring network to a minimum of three monitoring wells to assess potential impacts to groundwater from the wastewater lagoon. Gray submitted a Preliminary Groundwater Assessment Work Plan on January 15, 2018. DEQ-approved the Work Plan on February 7, 2018. Gray contracted with Golder Associates, Inc. to prepare a technical memorandum, detailing the Preliminary Groundwater Assessment.

The hydrogeologist review also found that Gray contracted surface water sampling of Palmer Creek in 2005-2006 to evaluate potential groundwater to surface water impacts to Palmer Creek. Surface water samples, collected from apparent upstream and downstream locations, were analyzed for nitrate and TDS.

The hydrogeologist review found that, consistent with historical results, TDS in groundwater from MW-1 has been consistently well above the federal secondary maximum concentration level of 500 mg/L. Elevated TDS in groundwater, particularly in MW-1, is likely the result of discharge from the storage lagoon.

The review further found that elevated TDS concentrations are unlikely to adversely impact drinking water quality in the vicinity of the facility because there are no existing or likely potential beneficial uses of drinking water located downgradient of the facility, and because drinking water and other supply wells in the area appear to be screened in the deeper water bearing zone.

The review also found there were no apparent groundwater to surface water impacts from lagoon discharges because apparent upstream and downstream Palmer Creek samples were nearly identical.

4. Permit Draft Discussion

4.1 Face Page

The permit allows wastewater treatment and land application within limits set by Schedule A. The surface stream which would accept overflow from the facility would be Palmer Creek.

4.2 Schedule A: Waste Disposal Limitations

Though Gray has no current plans to irrigate its wastewater, in the event Gray pursues land irrigation in the future, DEQ proposes to retain the Schedule A narrative limits for irrigating wastewater.

4.3 Schedule B: Minimum Monitoring and Reporting Requirement

Influent:

The proposed permit retains the existing requirement for daily influent flow monitoring, annual flow meter calibration, and weekly gauge reading of the storage lagoon freeboard. There are also quarterly TDS and nitrate monitoring requirements for water flowing from the concrete tanks to the storage lagoon.

Outfall 001-Process Wastewater

Outfall 001 is not presently active, and no monitoring is currently required. If Gray eventually irrigates with treated wastewater, the permittee must monitor wastewater as specified in an approved OM&M Plan.

Wastewater Transferred to Dairy:

The proposed permit requires monitoring of wastewater before transfer to the Dairy. Flow metering from either the storage lagoon or the processing plant is included, as well as annual flow meter calibration. The proposed permit also retains the existing pH and total Kjeldahl nitrogen (TKN) monitoring requirements for wastewater transferred to the Dairy.

Groundwater

Based on the DEQ hydrogeologist review, the proposed permit includes quarterly monitoring of the monitoring well network for TDS, pH and nitrate, as well as quarterly measurement of groundwater elevations.

4.4 Schedule D: Special Conditions

Schedule D includes several special conditions to be implemented during the term of the permit.

4.5 Schedule F: General Conditions

These conditions are standard to all WPCF permits and address state statutes and rules that pertain to all types of system operations that do not discharge directly to surface waters. The General Conditions were revised in 2015.