



PUBLIC NOTICE

Date posted: 11/5/2024

DEQ Requests Comments on Proposed Water Quality Permit Renewal for City of Jordan Valley

HOW TO PROVIDE PUBLIC COMMENT

Facility name: City of Jordan Valley

Permit type: Domestic WPCF Renewal

Comments due by: Tuesday, Dec.10, 2024 at 5 p.m.

Send written comments to:

By mail: Permit Coordinator, Oregon DEQ
800 SE Emigrant Ave., Ste 330 Pendleton OR 97801

By email: Water.PermitER@deq.oregon.gov

The Oregon Department of Environmental Quality invites the public to provide written comments on the City of Jordan Valley's proposed water quality permit, known officially as a Water Pollution Control Facilities permit.

Summary

This permit allows the City of Jordan Valley to operate a domestic wastewater treatment facility consisting of a collection system and treatment lagoons. The permit also allows land application of recycled water for beneficial use only in accordance with a DEQ approved Recycled Water Use Plan in Malheur County. Part of the review process is an opportunity for public comment, based on the application and other DEQ information. Subject to public review and comment, DEQ plans to renew the permit.

About the facility

The City of Jordan Valley Wastewater Treatment Plant is a domestic wastewater treatment facility located approximately one mile northwest of Jordan Valley, Oregon at 110 E. Fifth St. in the City of Jordan Valley. DEQ last renewed this permit November 13, 2008. The permit expired on October 31, 2018, and was administratively extended.

The permit does not allow any discharges to waterways. The facility holds no other permits from DEQ.

What types of pollutants does the permit regulate?

The permit does not have effluent limits for wastewater discharge to surface waters because the facility does not discharge to surface waters. The permit regulates pollutants typically associated with domestic wastewater. Domestic wastewater contains human pathogens and nitrogen compounds. Although nitrogen is a plant nutrient, nitrogen applied in excess of crop requirements may degrade groundwater. The proposed permit prohibits discharge to waters of the state, requires discharge meet recycled water limits, requires spill reporting and requires the city to have a DEQ-certified operator supervise wastewater treatment and disposal operations.

Would the draft permit change the amount of pollution the facility is allowed to release?

Translation or other formats

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800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

No, the facility is allowed to maintain land application in accordance with a DEQ approved Recycled Water Use Plan and is not permitted to discharge to surface waters.

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 discharged to determine permit requirements. This ensures the proposed discharges will meet applicable statutes, rules, regulations and effluent guidelines of Oregon and the Clean Water Act.

DEQ relied solely on these documents and made no other discretionary decisions for the permit action.

How does DEQ monitor compliance with the permit requirements?

This permit will require the facility to monitor for pollutants discharged using approved monitoring practices and standards. DEQ reviews the facility's discharge monitoring reports to check for compliance with permit limits.

What happens next?

DEQ will provide public notice of the proposed action and a minimum of 30 days to submit written comments. 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 DEQ's Water Quality Permit Coordinator, Patty Isaak at water.permitter@deq.oregon.gov or 541-613-1125 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 FACILITIES PERMIT

Oregon Department of Environmental Quality
Eastern Region – Pendleton Office
800 SE Emigrant, #330
Pendleton, OR 97801
Telephone: 541-276-4063

Issued pursuant to ORS 468B.050

ISSUED TO:	SOURCES COVERED BY THIS PERMIT:		
City of Jordan Valley PO Box 187 Jordan Valley, Oregon 97910	Type of Waste	Outfall Number	Location
	Domestic Wastewater Evaporation Lagoon	001	42.8812, -117.3105
	Recycled Water Land Application	002	Specified in Recycled Water Use Plan

FACILITY TYPE AND LOCATION:

3-cell Evaporative Lagoon with Recycled Water Land Application
Approximately one mile northwest of Jordan Valley, Oregon
County: Malheur

RIVER BASIN INFORMATION:

WRD Basin: Owyhee
USGS Sub-Basin: Jordan
Nearest surface water body name: Jordan Creek
LLID: 1176415428623 RM 46

Issued in response to Application No. 953036 received August 13, 2018. This permit is issued based on the land use findings in the permit record.

Draft	Draft	Draft
Mike Hiatt, Eastern Region WQ Permitting Manager	Issuance Date	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 the requirements, limits, and conditions set forth in this permit.

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon statute or administrative rule, any direct or indirect discharge of pollutants to waters of the state is prohibited.

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SCHEDULE A: WASTE DISCHARGE LIMITS

1. Permitted System

The City of Jordan Valley is authorized to operate and maintain a domestic wastewater treatment facility consisting of a three-cell evaporative lagoon system and to land apply recycled water for beneficial use in accordance with a DEQ approved Recycled Water Use Plan (RWUP).

2. Surface Water Protection

Direct or indirect discharge to navigable waters as defined in OAR Chapter 340, Division 045, Section 0010(14), is prohibited.

3. Groundwater Protection

Any activity that has an adverse effect on existing or potential beneficial uses of groundwater is prohibited. All wastewater and wastewater solids must be managed and disposed in compliance with the Groundwater Quality Protection Rules (OAR 340-040). If warranted, at any time, DEQ may evaluate the need for or require a full assessment of the facility's effect on groundwater quality.

4. Minimum Lagoon Freeboard

The permittee must maintain adequate freeboard to prevent overtopping of the lagoons. Freeboard is the vertical distance between the top of the impounded water and the lowest point on the lagoon or wetland dike. The lagoons must be lowered sufficiently by evaporative losses or approved recycled water irrigation to allow sufficient storage over the winter storage months and to ensure adequate freeboard is maintained to prevent unpermitted discharges.

5. Use of Recycled Water

The permittee is authorized in OAR 340-055-0012 to distribute recycled water if it is:

- a. Treated and used according to the criteria listed in Table A1.
- b. Managed in accordance with its DEQ-approved Recycled Water Use Plan unless exempt as provided in Schedule D.
- c. Used in a manner and applied at a rate that does not adversely affect groundwater quality.
- d. Applied at a rate and in accordance with site management practices that ensure continued agricultural, horticultural, or silvicultural production and does not reduce the productivity of the site.
- e. Irrigated using sound irrigation practices to prevent:
 - i. Offsite surface runoff or subsurface drainage through drainage tile;
 - ii. Creation of odors, fly and mosquito breeding, or other nuisance conditions; and
 - iii. Overloading of land with nutrients, organics, or other pollutants.

Table A1: Recycled Water Limits

Class	Level of Treatment (after disinfection unless otherwise specified)	Beneficial Uses
Nondisinfected	Nondisinfected recycled water must be oxidized.	Nondisinfected water may be used for: Irrigation for growing commercial timber, fodder, fiber or seed crops not intended for human ingestion.

6. Agronomic rates for Nutrient Loading

Crop and site-specific agronomic loading rates for nutrients will be approved by DEQ only after consideration of agronomic rates published in appropriate, region specific, fertilizer guides and proposed by the Permittee. DEQ may require adjustment to the allowable agronomic rates after review of annual reporting and to ensure adequate protection of public waters, including groundwater. The Recycled Water Use Plan must list the approved agronomic rates for each proposed crop.

7. Hauled Waste Requirements

The Permittee may not accept hauled wastes, including but not limited to wastewater solids from another treatment facility, domestic septage, grease trap wastes, portable and chemical toilet wastes, landfill leachate, groundwater remediation wastewater, and commercial or industrial wastewater at this facility for treatment or processing without a DEQ-approved hauled waste management plan and written approval from DEQ.

SCHEDULE B: MINIMUM MONITORING AND REPORTING REQUIREMENTS

1. Reporting Requirements

The permittee must submit to DEQ monitoring results and reports as listed below.

Table B1: Reporting Requirements and Due Dates

Reporting Requirement	Frequency	Due Date (See Note a.)	Report Form (See Note b.)	Submit To: (See Note c & d)
Tables B2 and B3 Influent and Lagoon Monitoring	Monthly	By the 15th of the following month	Specified in Schedule B. Section 2 of this permit	As directed by DEQ
Inflow and Infiltration report (see Schedule D.1)	Annually	February 15	Electronic copy in a DEQ- approved format	As directed by DEQ
Recycled Water Annual Report (see Schedule D.3)	Annually	January 15	Electronic copy in the DEQ- approved format	As directed by DEQ Electronic copy to DEQ Water Reuse Program Coordinator
Wastewater Solids/Biosolids Annual Report (see Schedule D.5)	Annually	February 19	Electronic copy in the DEQ- approved format	As directed by DEQ Electronic copy to DEQ Biosolids Program Coordinator
Hauled Waste Annual Report (see Schedule D.9)	Annually	January 15	Electronic copy in the DEQ- approved format	As directed by DEQ
Recycled Water Use Plan Update (see Schedule D.3)	One Time	Submit 120 days prior to land application	Electronic copy in a DEQ- approved format	As directed by DEQ Electronic copy to DEQ Water Reuse Program Coordinator
Hauled Waste Control Plan (see Schedule D.8)	One time	Submit 90 days prior to acceptance of hauled waste	Electronic copy in a DEQ- approved format	As directed by DEQ
Sludge Depth Survey Report (See Schedule D.9)	One Time	Submit by 06/15/2027	Electronic copy in a DEQ- approved format	As directed by DEQ
Industrial User Survey (See schedule D.12)	One Time	Submit by 06/15/2027	Electronic copy in a DEQ- approved format	DEQ Pretreatment Program Coordinator
Lagoon Leak Test (See Schedule D.10)	One Time	Submit by 06/15/2033	Electronic copy in a DEQ- approved format	As directed by DEQ

Reporting Requirement	Frequency	Due Date (See Note a.)	Report Form (See Note b.)	Submit To: (See Note c & d)
Notes: a. For submittals that are provided to DEQ by mail, the postmarked date must not be later than the due date. b. All reporting requirements are to be submitted in a DEQ approved format, unless otherwise specified in writing. c. Electronic reporting information is provided on DEQ's web page (https://www.oregon.gov/deq/wq/wqpermits/Pages/NPDES-E-Reporting.aspx). d. Email address for the biosolids and recycled water coordinator are provided on DEQ's biosolids web page (https://www.oregon.gov/deq/wq/programs/Pages/Biosolids.aspx).				

2. Monitoring and Reporting Protocols

a. Paper Submissions.

When submitting paper copies as required by table B1, the permittee must submit to DEQ the results of the monitoring in a paper format as specified below.

- i. Until directed by DEQ all Discharge Monitoring Reports (DMRs) must be submitted in an approved paper format:
 - (A) The reporting period is the calendar month.
 - (B) The permittee must submit monitoring data and other information required by this permit for all compliance points by the 15th day of the month following the reporting period unless specified otherwise in this permit or as specified in writing by DEQ.
- ii. Until directed by DEQ, the permittee must submit any required Pretreatment Program Reports, Wastewater Solids and Biosolids Annual Report, Recycled Water Annual Report, Sanitary Sewer Overflow/Bypass Event Reports, and other required information to DEQ.
- iii. The permittee must sign and certify submittals of DMRs, reports, and other information in accordance with the requirements of Schedule F, Section D8 of this permit.

b. Electronic Submissions.

When submitting electronic copies as required by Table B1, the permittee must submit to DEQ the results of monitoring in an electronic format as specified below.

- i. When directed by DEQ, the permittee must submit monitoring results required by this permit via DEQ-approved web-based Electronic Discharge Monitoring Report (DMR) forms.
- ii. The reporting period is the calendar month.
- iii. The permittee must submit monitoring data and other information required by this permit for all compliance points by the 15th day of the month following the reporting period unless specified otherwise in this permit or as specified in writing by DEQ.
- iv. When directed by DEQ, the permittee must submit electronic reports for any required Pretreatment Program Reports, Wastewater Solids and Biosolids Annual Report, Recycled Water Annual Report, Sewer Overflow/Bypass Event Reports, and other required information to DEQ via designated web-based reporting process.

c. **Test Methods.**

The permittee must conduct monitoring according to test procedures in 40 CFR §136 and 40 CFR §503 for biosolids or other approved procedures as per Schedule F.

d. **Quality Assurance and Quality Control**

- i. Quality Assurance Plan – The permittee must develop and implement a written Quality Assurance Plan that details the facility sampling procedures. This plan should include any equipment calibration and maintenance, analytical methods, quality control activities and laboratory data handling and reporting if the permittee conducts any of their own analytical work. The QA/QC program must conform to the requirements of 40 CFR §136.7.
- ii. If QA/QC requirements are not met for any analysis, the permittee must re-analyze the sample. If the sample cannot be re-analyzed, the permittee must re-sample and analyze at the earliest opportunity. If the permittee is unable to collect a sample that meets QA/QC requirements, then the permittee must include the result in the discharge monitoring report (DMR) along with a notation (data qualifier). In addition, the permittee must explain how the sample does not meet QA/QC requirements. The permittee may not use the result that failed the QA/QC requirements in any calculation required by the permit unless authorized in writing by DEQ.
- iii. Flow measurement, field measurement, and continuous monitoring devices - The permittee must:
 - (A) Establish verification and calibration frequency for each device or instrument in the quality assurance plan that conforms to the frequencies recommended by the manufacturer.
 - (B) Verify at least once per year that flow-monitoring devices are functioning properly according to manufacturer's recommendation. Calibrate as needed according to manufacturer's recommendations.
 - (C) Verify at least weekly that the continuous monitoring instruments are functioning properly according to manufacturer's recommendation unless the permittee demonstrates a longer period is sufficient and such longer period is approved by DEQ in writing.

e. **Reporting Sample Results**

- i. The permittee must report the same number of significant digits as the permit limit for a given parameter.

3. Monitoring and Reporting Requirements

- a. The permittee must monitor influent at the final collection lift station prior to entering the primary lagoon and report results in accordance with the table below:

Table B2: Influent Monitoring Requirements

Item or Parameter	Units	Time Period	Minimum Frequency	Sample Type / Required Action	Report Statistic See note a.
Flow (50050)	MGD	Year-round	5/week	Metered	Monthly Average Daily Maximum
BOD ₅ (00310)	mg/L	Year-round	Annually	24-hour composite	Annual Average
TSS (00530)	mg/L	Year-round	Annually	24-hour composite	Annual Average
pH (00400)	Standard Units SU	Year-round	2/week	Grab	Monthly Maximum Monthly Minimum
Notes: a. In the event of equipment failure or loss, the permittee must notify DEQ and repair or replace effected equipment to minimize interruption of data collection. If the equipment cannot be immediately repaired or replaced, the permittee must perform grab measurements daily.					

- b. The permittee must monitor the lagoons (Outfall 001) and report results in accordance with Table B1 and the table below:

Table B3: Lagoon Monitoring Requirements

Item or Parameter	Units	Time Period	Minimum Frequency	Sample Type/ Required Action	Report Statistic
Lagoon Freeboard (each lagoon)	Gauge Units (feet or inches)	Year-round	Weekly	Measurement	Weekly Maximum Monthly Maximum
Perimeter Inspection	N/A	Year-round	5/week	Observation	Record Observations

4. Recycled Water Monitoring Requirements: Outfall 002

The permittee must monitor recycled water for Outfall (002) at the irrigation building as listed below only when distributing recycled water. The samples must be representative of the recycled water delivered for beneficial reuse at a location identified in the Recycled Water Use Plan.

Table B4: Recycled Water Monitoring

Item or Parameter	Minimum Frequency	Sample Type/ Required Action	Report
Total Flow (MGD)	Daily	Measurement	Annual Report and monthly
Quantity Irrigated (inches/acre)	Daily	Calculation	Annual Report and monthly per field
pH	2/Week	Grab	Annual Report and monthly
Total Nitrogen Loading Rate (lbs/acre-year)	Annually	Calculation	Annual Report

Item or Parameter	Minimum Frequency	Sample Type/ Required Action	Report
Supplemental Fertilizer Applied	As applied	Record Amounts	Annual Report and monthly
Total Kjeldahl Nitrogen (TKN)	Quarterly	Grab	Annual Report
NO ₂ +NO ₃ -N	Quarterly	Grab	Annual Report
Total Ammonia (as N)	Quarterly	Grab	Annual Report
Total Phosphorus (P)	Quarterly	Grab	Annual Report

SCHEDULE C: COMPLIANCE SCHEDULE

There is no compliance schedule in this permit.

Public Notice

SCHEDULE D: SPECIAL CONDITIONS

1. Inflow and Infiltration

The permittee must submit to DEQ an annual inflow and infiltration report on a DEQ approved form as directed in Table B1. The report must include the following:

- a. An assessment of the facility's I/I issues based on a comparison of summer and winter flows to the plant.
- b. Details of activities performed in the previous year to identify and reduce inflow and infiltration.
- c. Details of activities planned for the following year to identify and reduce inflow and infiltration.
- d. A summary of sanitary sewer overflows that occurred during the previous year. This should include the following: date of the SSO, location, estimated volume, cause, follow-up actions and if performed, the results of receiving stream monitoring.

2. Emergency Response and Public Notification Plan

The permittee must develop an Emergency Response and Public Notification Plan ("plan") or ensure the facility's existing plan is current and accurate, per Schedule F, Section B, and Condition 8 within 6 months of permit effective date. The permittee must update the plan annually to ensure all information contained in the plan, including telephone and email contact information for applicable public agencies, is current and accurate. An updated copy of the plan must be kept on file at the facility for DEQ review. The latest plan revision date must be listed on the plan cover along with the reviewer's initials or signature.

3. Recycled Water Use Plan

The permittee must update and maintain a DEQ-approved Recycled Water Use Plan meeting the requirements in OAR 340-055-0025 and submit by the date listed in Table B.1. The permittee must submit this plan or any significant modifications to DEQ for review and approval with sufficient time to clear DEQ review and a public notice period prior to implementing changes to the recycled water program. The permittee must keep the plan updated. All plan revisions require written authorization from DEQ and are effective upon permittee's receipt of DEQ written approval. No significant modifications can be made to a plan for an administratively extended permit (after the permit expiration date). Conditions in the plan are enforceable requirements under this permit. DEQ will provide an opportunity for public review and comment on any significant plan modifications prior to approving or denying. Public review is not required for minor modifications, changes to utilization dates or changes in use within the recycled water class.

4. Exempt Wastewater Reuse at the Treatment System

Recycled water used for landscape irrigation within the property boundary or in-plant processes at the wastewater treatment system is exempt from the requirements of OAR 340-055 if all of the following conditions are met:

- a. The recycled water is an oxidized and disinfected wastewater.
- b. The recycled water is used at the wastewater treatment system site where it is generated or at an auxiliary wastewater or sludge treatment facility that is subject to the same NPDES or WPCF permit as the wastewater treatment system.
- c. Spray and/or drift from the use does not migrate off the site.
- d. Public access to the site is restricted.

5. Wastewater Solids and Biosolids Annual Report

The permittee must submit a Wastewater Solids Annual Report each year documenting removal of wastewater solids from the facility during the previous calendar year. The permittee must use the DEQ approved wastewater solids annual report form. This report must include the volume of material removed and the name of the permitted facility that received the solids.

6. Wastewater Solids Transfers

- a. *Within state.* The permittee may transfer wastewater solids including Class A and Class B biosolids, to another facility permitted to process or dispose of wastewater solids, including but not limited to: another wastewater treatment facility, landfill, or incinerator. The permittee must satisfy the requirements of the receiving facility. The permittee must report the name of the receiving facility and the quantity of material transferred in the wastewater solids annual report identified in Schedule B.
- b. *Out of state.* If wastewater solids, including Class A and Class B biosolids, are transferred out of state for use or disposal, the permittee must obtain written authorization from DEQ, meet Oregon requirements for the use or disposal of wastewater solids, notify in writing the receiving state of the proposed use or disposal of wastewater solids, and satisfy the requirements of the receiving state.

7. Hauled Waste Control Plan

The permittee may accept hauled wastes at discharge points designated by the POTW. The permittee must submit a written Hauled Waste Control Plan by the date listed in Table B1. Within 60 days of receiving DEQ comments, the permittee must submit hauled waste control plan revised to be consistent with DEQ's comments. Hauled wastes may include wastewater solids from another wastewater treatment facility, septage, grease trap wastes, portable and chemical toilet wastes, landfill leachate, groundwater remediation wastewaters and commercial/industrial wastewaters. The permittee must keep the plan updated and submit substantial modifications to an existing plan to DEQ for approval at least 60 days prior to making the proposed changes. Plan modifications are effective upon receipt of written DEQ approval.

8. Hauled Waste Annual Report

If the permittee has a Hauled Waste Control Plan, or otherwise accepts hauled waste, the permittee must submit an annual report of hauled waste received by the POTW. This report, if required, must be submitted as described in Table B1. This report must include the date, time, type, and amount received each time the POTW accepts hauled waste. Hauled waste must be described in the permittee's Hauled Waste Control Plan.

9. Lagoon Solids

By the date listed in Table B1, the permittee must submit to DEQ a sludge depth survey report. The report must include a comparison of the design sludge depth to the actual sludge depth. If the actual sludge depth exceeds the design sludge depth, the permittee must submit a plan to reduce or remove the

sludge. Prior to the removal of accumulated solids from the lagoon for land application, the permittee must submit to DEQ a biosolids management plan. The permittee must follow the conditions in the approved plan.

10. Lagoon Leak Test

The permittee must submit a Lagoon Leak Test report one-time during the permit cycle as specified in Schedule B for each lagoon. Leak testing must be completed using DEQ's Guidelines for Estimating Leakage from Existing Sewage Lagoons which is applicable to certain domestic operations with low strength wastewater. The report must include description of the test in line with the DEQ guidance, and a summary of results with estimated leak rate of each cell.

11. Operator Certification

- a. Definitions
 - i. "Supervise" means to have full and active responsibility for the daily on site technical operation of a wastewater treatment system or wastewater collection system.
 - ii. "Supervisor" or "designated operator", means the operator delegated authority by the permittee for establishing and executing the specific practice and procedures for operating the wastewater treatment system or wastewater collection system in accordance with the policies of the owner of the system and any permit requirements.
 - iii. "Shift Supervisor" means the operator delegated authority by the permittee for executing the specific practice and procedures for operating the wastewater treatment system or wastewater collection system when the system is operated on more than one daily shift.
 - iv. "System" includes both the collection system and the treatment systems.
- b. The permittee must comply with OAR Chapter 340, Division 49, "Regulations Pertaining to Certification of Wastewater System Operator Personnel" and designate a supervisor whose certification corresponds with the classification of the collection and/or treatment system as specified in the DEQ Supervisory Wastewater Operator Status Report. DEQ may revise the permittee's classification in writing at any time to reflect changes in the collection or treatment system. This reclassification is not considered a permit modification and may be made after the permit expiration date provided the permit has been administratively extended by DEQ. If a facility is re-classified, a certified letter will be mailed to the system owner from the DEQ Operator Certification Program. Current system classifications are publicized on the DEQ Supervisory Wastewater Operator Status Report found on the [DEQ Wastewater Operator Certification Homepage](#).
- c. The permittee must have its system supervised on a part-time or full-time basis by one or more operators who hold a valid certificate for the type of wastewater treatment or wastewater collection system the operator is supervising and at a grade equal to or greater than the wastewater system's classification.
- d. The permittee's wastewater system may be without the designated supervisor for up to 30 consecutive days if another person who is certified at no more than one grade lower than the

classification of the wastewater system supervises. The permittee must delegate authority to this operator to supervise the operation of the system.

- e. If the wastewater system has more than one daily shift, the permittee must have another properly certified operator available to supervise operation of the system. Each shift supervisor must be certified at no more than one grade lower than the system classification.
- f. The permittee is not required to have a supervisor on site at all times; however, the supervisor must be available to the permittee and operator at all times.
- g. The permittee must notify DEQ in writing of the name of the system supervisor by completing and submitting the Supervisory Wastewater System Operator Designation Form along with the Delegated Authority form?). The most recent version of this form may be found on the [DEQ Wastewater Operator Certification homepage](#) *NOTE: This form is different from the Delegated Authority form. The permittee may replace or re-designate the system supervisor with another properly certified operator at any time and must notify DEQ in writing within 30 days of replacement or re-designation of the operator in charge. As of this writing, the notice of replacement or re-designation must be sent to Water Quality Division, Operator Certification Program, 700 NE Multnomah St, Suite 600, Portland, OR 97232-4100. This address may be updated in writing by DEQ during the term of this permit.
- h. When compliance with item (e) of this section is not possible or practicable because the system supervisor is not available or the position is vacated unexpectedly, and another certified operator is not qualified to assume supervisory responsibility, the Director may grant a time extension for compliance with the requirements in response to a written request from the system owner. The Director will not grant an extension longer than 120 days unless the system owner documents the existence of extraordinary circumstances.

12. Industrial User Survey

- a. By the date listed in Table B1, the permittee must conduct an industrial user survey as described in 40CFR 403.8(f)(2)(i-iii) to determine the presence of any industrial users discharging wastewaters subject to pretreatment and submit a report on the findings to DEQ. The purpose of the survey is to identify whether there are any industrial users discharging to the POTW and ensure regulatory oversight of these discharges to state waters.
- b. Should the DEQ determine that a pretreatment program is required, the permit must be reopened and modified in accordance with 40 CFR 403.8(e)(1) to incorporate a compliance schedule for development of a pretreatment program. The compliance schedule must be developed in accordance with the provisions of 40 CFR 403.12(k) and must not exceed twelve (12) months.

SCHEDULE F

WPCF General Conditions for Domestic Facilities

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. 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 REQUIREMENTS

1. 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 intervals over a 24-hour period, and based on either time or flow.
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 Renewal Fact Sheet City of Jordan Valley

Permittee	City of Jordan Valley PO Box 187 Jordan Valley, Oregon 97910-0187
Existing Permit Information	File Number: 44040 Permit Number: 101379 Expiration Date: TBD
Permittee Contact	Con Warn Public Works Manager 541-586-2460 PO Box 187 Jordan Valley, Oregon 97910-0187
Facility Name & Location	Facility Name: City of Jordan Valley Address: Approximately one mile northwest of Jordan Valley, Oregon 97910 Lat: 42.8812, Long: -117.3105 County: Malheur
LLID:	LLID: 1176415428623 RM 46
Receiving Stream/Basin:	Nearest stream: Jordan Creek Sub Basin Name: Jordan WRD Basin Name: Owyhee
Proposed Action:	Permit Renewal Application Number: 953036 Date Application Received: August 13, 2018
Source Category:	Domestic
Sources Covered:	Domestic Wastewater and Recycled Water
Permit Type:	WPCF-DOM-E
Permit Writer	Anna Morgan-Hayes 541-246-4562 Date Prepared: 11-4-2024

WPCF Permit Renewal Fact Sheet City of Jordan Valley

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Public Notice

WPCF Permit Renewal Fact Sheet

City of Jordan Valley

1. Introduction

As required by Oregon Administrative Rule 340-045-0037, this fact sheet describes the basis and methodology used in developing the permit. The permit is divided into several sections:

- Schedule A – Waste discharge limitations
- Schedule B – Minimum monitoring and report requirements
- Schedule C – Compliance conditions and schedules
- Schedule D – Special conditions
- Schedule F – General conditions

A summary of the major changes to the permit are listed below:

Changes to monitoring frequencies include: Based on available data, recycled water monitoring for BOD₅ (mg/L) and TSS (mg/L) has been removed from the permit because it is not required by OAR 340-055 recycled water use rules, nor is it necessary for a system of this size and complexity. BOD₅ and TSS levels from past monitoring do not indicate concerns with these parameters for continued land application. Additionally influent flow monitoring frequencies for BOD₅ and TSS have been modified from quarterly monitoring to annual, per DEQ's monitoring matrix guidance for facilities of this size. Annual flow meter calibration verifications are no longer required to be submitted annually to DEQ. These records must be maintained at the facility and available upon request.

2. Facility Description

2.1 Wastewater Facility

The wastewater collection system and treatment facility were constructed in 1975. The collection system utilizes three lift stations in addition to gravity flow. The average dry weather design flow for the treatment facility is 0.047 MGD. During the period January 2019 to July 2024, the average monthly flow to the plant was 0.027 MGD and the peak maximum daily flow was 0.142 MGD. The facility was designed for 450 people. Census data from 2022, reports a population of 137.

The treatment facility includes a lift station (two pumps) and a Parshall flume at the headworks, a 2.5-acre clay-lined primary cell and two 2.5-acre clay-lined secondary cells. The facility was constructed with a chlorine gas disinfection system and a 4.9-acre flood irrigation site. However, the chlorine system has never been used. The permittee's Recycled Water Use Plan (RWUP) was last reviewed and approved in 2005. The RWUP authorized the permittee to flood irrigate 4.9 acres of city-owned property adjacent to the lagoons, however, land application of recycled water was last distributed in 2012.

The permittee last conducted a sludge depth survey in 2018 and does not anticipate the need to remove biosolids during the permit term. The permittee does not have a DEQ-approved Biosolids Management Plan or land application site for biosolids.

Hauled waste is not accepted by the City, therefore, the City does has not prepared a Hauled Waste Acceptance Plan.

Figure 2-1: City of Jordan Valley Wastewater Treatment Facility Site Map



Figure 2-2: City of Jordan Valley Wastewater Treatment Facility Flow Schematic

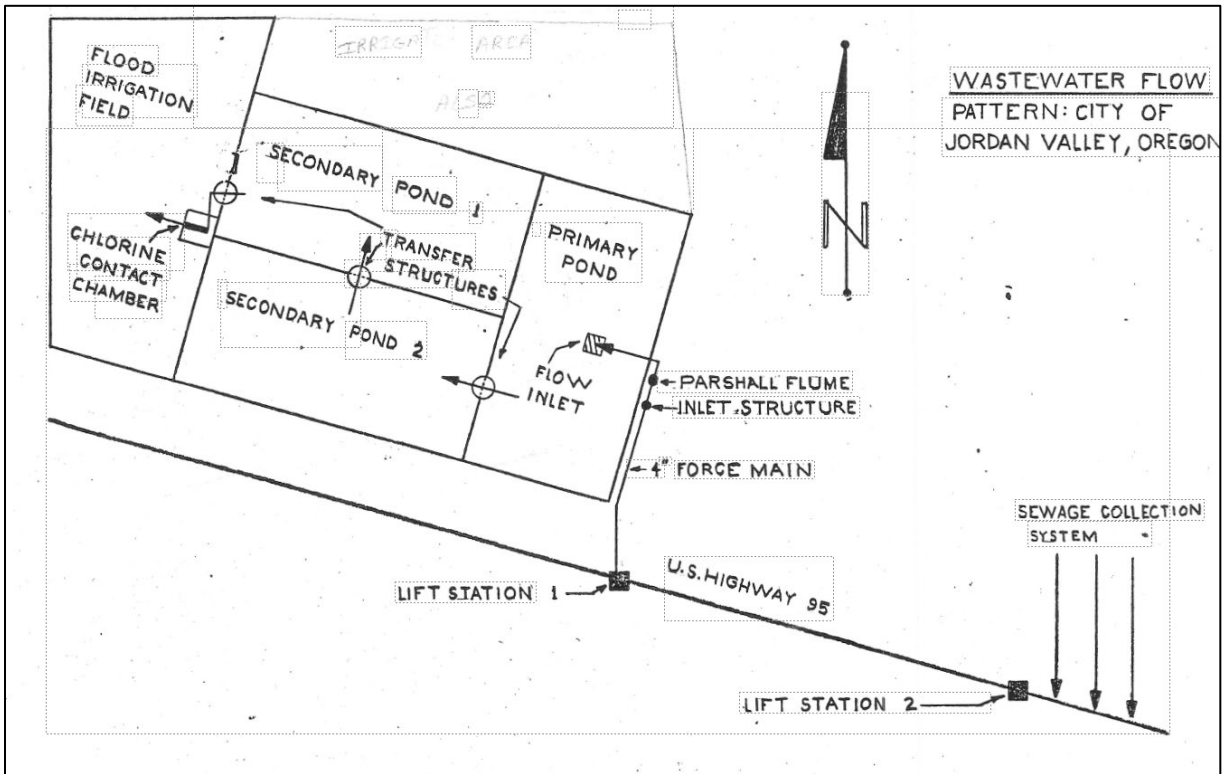


Table 2-1: List of Outfalls

Outfall Number	Type of Waste	Lat/Long	Design Flow ¹ (mgd)	Existing Flow ² (mgd)
001	Wastewater Lagoons	42.8812, -117.3105	0.047	0.025
002	Recycled Water Land Application	As specified in the Recycled Water Use Plan		
1. Design Flow = average dry weather design flow provided by City of Jordan Valley Facility Plan 2. Existing Flow = existing average monthly dry weather flow provided by monthly discharge monitoring reports (City of Jordan Valley, 2019-2024).				

2.2 Compliance History

The compliance history was evaluated in conjunction with drafting the renewal permit. Discharge monitoring and annual reports were reviewed for the following period: October 2020 to July 2024. Based on this review the City was found to be in violation of the permit and was cited via the below enforcement document:

2024-WLOTC-9569: Failure to complete annual flow meter calibrations for 2019 – 2023.

2.3 Biosolids

The term wastewater solids includes sewage sludge and biosolids. Sewage sludge refers to solids from primary, secondary, or advanced treatment of domestic wastewater that have not been treated or determined to be suitable for land application as fertilizer or soil amendment. The term biosolids refers to domestic wastewater treatment facility solids that have undergone adequate treatment and are suitable for application to the land as a fertilizer or soil amendment. Land application of biosolids must be performed in accordance with a DEQ-approved biosolids management plan (BSMP) and site authorization letter. Alternatively, a BSMP and site authorization are not required for disposal of wastewater solids in a landfill.

The permittee last performed a sludge survey in 2018 indicating that biosolids would not require to be removed in the ten-year term of this permit renewal. Based on this information, an outfall for biosolids removal has not been included in the permit.

2.4 Groundwater

Potential routes for contamination of groundwater from this facility include lagoon leakage and land application of recycled water. The permit incorporates additional monitoring for Recycled Water application to ensure application of nitrogen at agronomic rates, therefore limiting potential groundwater contamination. Additionally, the lagoons are lined with clay to prevent leakage and the permit requires a lagoon leak test be conducted during the permit term.

2.5 Recycled Water

Land application of recycled water is permitted under this permit with a DEQ-approved recycled water use plan. If the permit holder chooses to modify its recycled water program, a comprehensive recycled water use plan meeting the requirements in OAR 340-055 must be submitted to DEQ for review and approval; appropriate actions must also be made to OHA and WRD.

2.6 Wastewater Classification

OAR 340-049 requires all permitted municipal wastewater collection and treatment facilities receive a classification based on the size and complexity of the systems. DEQ evaluated the classifications for the treatment and collection system, which are publicly available at: <https://www.deq.state.or.us/wq/opcert/Docs/OpcertReport.pdf>.

3. Schedule A: Effluent Limit Development

No discharge to state waters is permitted. All wastewater is treated in facultative lagoons and must be irrigated only on DEQ-approved land application sites in accordance with a recycled water use plan. Prior to land application, recycled water must be treated by nondisinfected standards for beneficial use as defined in OAR 340-055.

All activities concerning recycled water must conform to a recycled water use plan approved by DEQ. Specific crops, application rates and buffers are included in the required recycled water use plan. All recycled water must be distributed on land, for dissipation by evapotranspiration and controlled seepage by following sound irrigation practices so as to prevent:

- i. Prolonged ponding of treated recycled water on the ground surface;
- ii. Surface runoff or subsurface drainage through drainage tile;
- iii. The creation of odors, fly and mosquito breeding, or other nuisance conditions;
- iv. The overloading of land with nutrients, organics, or other pollutant parameters; and
- v. Until otherwise approved by DEQ via a revised recycled water use plan, treated effluent must only be reused as a nondisinfected for beneficial uses.
- vi. Treated effluent must only be applied at site and crop specific agronomic loading rates.

3.1 Groundwater

DEQ may evaluate the need for a full assessment of the facility's impact on groundwater quality if there is any evidence of an adverse impact resulting from the facilities operation or the facility fails to operate in accordance with permit conditions. Schedule A of the proposed permit includes a condition prohibiting adverse impacts to groundwater.

3.2 Recycled Water

Schedule A of the permit requires the permittee to apply recycled water according to a recycled water use plan. Schedule A also restricts the application of recycled water to prevent the following:

- Irrigating above agronomic rates,
- Adverse impact to groundwater,
- Offsite surface runoff or subsurface drainage through drainage tile,
- Creation of odors, fly and mosquito breeding, or other nuisance conditions.

4. Schedule B: Monitoring and Reporting Requirements

Schedule B of the permit describes the minimum monitoring and reporting necessary to demonstrate compliance with the proposed effluent limits. Detailed monitoring frequency and reporting requirements are in Schedule B of the proposed permit. The required monitoring, reporting and frequency for many of the parameters are based on DEQ's monitoring and reporting matrix guidelines, permit writer judgment, reporting requirements for similar facilities of this type and size and to ensure the needed data is available for the next permit renewal.

The monitoring data provide DEQ with information to evaluate the performance of the wastewater treatment facility for influent, the lagoons, and effluent. The authority to require periodic reporting by permittees is found at ORS 468.065(5).

Monitoring requirements for influent pH, BOD₅ (biochemical oxygen demand) and total suspended solids (TSS) sampling are included in the permit for the City of Jordan Valley to track influent loading to the system and as monitoring for performance of the treatment system. Lagoon freeboard and perimeter monitoring is required so that the City can evaluate system performance and adjust as needed.

Effluent parameters are required when irrigating with recycled water at an approved land application site. Requirements for flow, irrigation volume, and nutrient monitoring are included in Table B4. Nutrients must be evaluated and reported on by the permittee to ensure overloading of the field above agronomic uptake rate for the planted crops does not occur. The permittee must track and report any supplemental fertilizer and additional nutrient loading applied to the site.

The permit requires the permittee to evaluate and update the Recycled Water Use Plan and submit to DEQ for approval by the date provided in Table B1 of the permit. The permittee is not permitted to accept hauled waste until a Hauled Waste Acceptance Plan is submitted to and approved by DEQ.

5. Schedule C: Compliance Schedule

The permittee is expected to meet all effluent limits and therefore a compliance schedule is not needed.

6. Schedule D: Special Conditions

The proposed permit contains the following special conditions. The conditions include the following:

6.1 Inflow and Infiltration Reporting

A requirement to submit an annual report detailing inflow and infiltration and to address potential for groundwater and stormwater from entering the collection system.

6.2 Emergency Response and Public Notification Plan

A requirement to develop and submit an emergency and spill response plan or ensure the current one is current per General Condition B.6 in Schedule F.

6.3 Recycled Water Use Plan

A condition requiring the permit holder to update and maintain a recycled water use plan that meet the requirements in OAR 340-055-0025 by the date provided. The plan must also include

location-specific information describing where and how recycled water is managed to protect public health and the environment.

6.4 Exempt Wastewater Reuse at the Treatment System

A condition that exempts the permit holder from the recycled water requirements in OAR 340-055, when recycled water is used for landscape irrigation at the treatment facility or for in-plant processes, such as in plant maintenance activities.

6.5 Wastewater Solids and Biosolids Annual Report

This condition requires the permittee to submit a Wastewater Solids and Biosolids Annual Report each year documenting removal of wastewater solids from the facility during the previous calendar year.

6.6 Wastewater Solids Transfers

A condition that allows the facility to transfer treated or untreated wastewater solids to other in-state or out-of-state facilities that are permitted to accept the wastewater solids.

6.7 Hauled Waste Control Plan

A condition that allows the acceptance of hauled waste after a hauled waste plan is submitted and approved by DEQ. The hauled waste plan ensures waste is not accepted that could negatively impact the treatment capabilities of the facility.

6.8 Hauled Waste Annual Report

A condition requiring submittal of an annual hauled waste report that summarizes hauled waste accepted at the facility during the previous year.

6.9 Lagoon Solids

A condition requiring the permittee to submit a sludge depth survey report to ensure lagoon solids are maintained within design standards and accumulations do not negatively affect treatment capabilities.

6.10 Lagoon Leak Test

By no later than the date provided in Schedule B, Table B1 of this permit, the permittee must conduct and submit the results of a lagoon leak test to DEQ for each cell of the wastewater lagoon system. Guidelines for estimating lagoon leakage are available from DEQ. Use of the guidelines is required to provide sufficient information on estimation of lagoon leakage.

6.11 Operator Certification

The permit holder is required to have a certified operator consistent with the size and type of treatment plant covered by the permit per OAR 340-049-0005. This special condition describes the requirements relating to operator certification.

6.12 Industrial User Survey

This condition requires the permittee to conduct an industrial user survey. The purpose of the survey is to identify whether there are any categorical industrial users discharging to the POTW and ensure regulatory oversight of these discharges.

7. Schedule F: WPCF General Conditions

This schedule includes conditions and definitions that are applicable to all WPCF permits in Oregon of this type.

8. Next Steps

The City of Jordan Valley has submitted a complete WPCF permit renewal application. DEQ will proceed with a Category II permitting action for public notification as per OAR 340-045-0027.