



State of Oregon Department of Environmental Quality

**Point Source Project Loan Application:  
(Design and Construction Projects)**

**Clean Water State Revolving Fund**

Contact: [Regional Project Officer](#)

Answer all requests for information in this application. List "N/A" for items that do not apply. Do not leave any section of this application blank.

DEQ will accept completed, signed applications that are submitted either electronically or in hard copy by close of business on the application due date.

Application Information

**1. Public agency/legal applicant:**

Name:			
City of John Day			
Address:			
450 E Main St			
City, State:	Zip:	County:	<a href="#">Congressional Dist.</a>
John Day, OR	97845	Grant	<a href="#">(Federal)</a>
Agency Website		DUNS or SAMs Unique Identifying Number	
https://www.cityofjohnday.com/		<a href="#">SAMs Home page</a> HV85C81GCE58	

**2. Cite your agency's authority to take on debt, noting the exact Oregon Revised Statute reference located on the [state website](#):**

ORS 287A

**3. Only public agencies are eligible for Clean Water State Revolving Fund. Does your agency meet the definition of a "public agency" as defined by [ORS 468.423](#)? If you are unsure, contact DEQ at 503-229-5622.**

X	Yes		No
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**4. Identify your type of public agency:**

	Tribal government	<input checked="" type="checkbox"/>	City		School district
	County	<input type="checkbox"/>	Sanitary district or Sanitary Authority		County service district
	State agency	<input type="checkbox"/>	Irrigation district		Metropolitan Service District
	Other special district (please specify):				
	Intergovernmental Agency (please specify):				

\* Note: Eligibility includes certification of no disbarment and no suspension through the [System of Award Management](#). Certification is required at time of loan signing.

**5. Project Contact:**

<b>Nicholas Ducote</b>	<b>Ducote Consulting</b>	<b>City Grant Manager</b>
Name	Dept./Organization	Title
Telephone <b>541-805-5543</b>	Email <b>Ducoteconsulting@gmail.com</b>	

**6. Interim Financing:**

	Yes	<input checked="" type="checkbox"/>	No	
If yes, name of the agency providing long-term financing:				

**7. Water quality permit information (if applicable)**

Type	Number	Administratively Extended	Renewed	Current	New	No Permit.
National Pollutant Discharge Elimination System permit number (EPA reference number beginning with "OR")						
Water Pollution Control Facility permit number	976310	exp. 2/28/07				
401 certification						

**8. Will this project require?**

<input type="checkbox"/>	Permit renewal
<input checked="" type="checkbox"/>	New permit
<input type="checkbox"/>	N/A

**City of John Day has WPCF permit application #948344 in progress with DEQ. The new permit in process will cover the new treatment planned constructed with this request.**

**9. Permit includes:**

<input type="checkbox"/>	A compliance schedule associated with loan request
<input type="checkbox"/>	A Mutual Agreement and Order (MAO) associated with loan request
<input checked="" type="checkbox"/>	Loan request is addressing potential compliance concerns City's WWTP out of compliance for 16 years

**10. CWSRF loan request amount:**

**11. Total estimated project cost:**

**Project Description**

Use this section to describe the objectives, components and expected outcomes of the plan. The loan agreement will refer to this section in defining what expenses can be reimbursed.

**12. Project type (check one or both, as appropriate)**

<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Construction
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\* *Note: A facility plan or similar planning document that has been reviewed and approved or accepted by DEQ within the last five years is required prior to loan approval. The plan itself may have been issued more than 5 years before the application.*

### 13. Project description

Name of project:	<b>New WWTP Construction</b>
Describe proposed project, specifying the water quality and public health objectives to be addressed:	
<p>The purpose of the City's wastewater system improvement project is to maintain the system's compliance with the Clean Water Act (CWA) and Oregon Department of Environmental Quality (DEQ) rules and regulations regarding wastewater systems. The City's Water Pollution Control Facility (WPCF) wastewater permit issued March 29, 2002, expired on February 28, 2007. The existing wastewater treatment facility is well past its useful life and in need of a complete replacement and reconfiguration. Relocating the facility to its new location will also give the City the opportunity to place it outside of the FEMA Special Flood Hazard Area, as updated through a FMEA Letter of Map Revision effective October 17, 2019.</p> <p>Construction of a new WWTF would provide the City with the means to consistently and effectively exceed the existing WPCF Permit requirements and meet or exceed potential future NPDES Permit requirements. The mechanical WWTF will be designed with the ability to biologically remove nutrients (nitrogen and phosphorus) and metals (iron, copper, and lead), if required, which would alleviate concerns with indirect or direct discharge into the John Day River.</p>	
Describe the major project components (for example, type of structures to be built):	
<p>The proposed Wastewater System Improvements Project was developed as Alternative B of the DEQ-approved 2019 Anderson Perry and Associates, Inc. Wastewater Facilities Plan Update and the 2021 Addendum 1 to the 2019 Preliminary Engineering Report by a team of Flagline Engineering and Kennedy Jenks. Generally, the project includes three elements:</p> <ol style="list-style-type: none"> <li>1. the construction of a new Class A wastewater treatment facility with extensions of the collection system to the new Wastewater Treatment Facility (WWTF), treated effluent discharge piping, and groundwater trenches. Disposal of treated effluent after this project will involve a new groundwater discharge system east of the new WWTF.</li> <li>2. the demolition of the existing wastewater treatment facility on 7th Avenue.</li> <li>3. Completion of Collection System Alternative 1 of Addendum 1, which includes rehabilitating the siphon under the John Day River and upgrading two lift stations located on City property off of Hwy 26.</li> </ol>	

Describe how the proposed project will achieve the objectives:

The proposed project will construct a new WWTP outside of the floodplain and will include Class A effluent. This project is essential to ensure human health and safety for residents within the City of John Day as well as complying with environmental regulations and CWA standards. Deficiencies have been identified in the current wastewater treatment and collection system that requires immediate attention. Cumulative impacts from the City of John Day Wastewater Improvement Project is not likely to have any adverse impacts on human health or the environment because the scope of the project is limited to existing infrastructure improvements.

Under the No Action Alternative, the City would continue to use the WWTF in its current condition. The WWTF is past its useful life and will not meet permit requirements. Based on the evaluation completed on the existing WWTF, some of the treatment units are of inadequate capacity to accommodate existing and anticipated future flows and loadings, and the majority of the components and equipment have reached or are nearing their useful design life.

Give any other pertinent information that explains why this project is proposed:

**14. Project will improve water quality by addressing one or more of the following (check all that apply)\*:**

<input type="checkbox"/>	Temperature	<input type="checkbox"/>	Bacteria	<input type="checkbox"/>	Dissolved oxygen	<input type="checkbox"/>	Nutrients
<input type="checkbox"/>	Contaminated sediments	<input type="checkbox"/>	NPDES/WPCF permit	<input type="checkbox"/>	OHA requirement	<input type="checkbox"/>	Toxic substances
Other:	<b>WPCF permit compliance</b>						

\*Provide documentation, as described in [Application Instructions](#), to support water quality improvements

**15. Is the facility currently in compliance with its permit(s)?**

	Yes	<input checked="" type="checkbox"/>	No
If yes, answer question #16 and if no, skip to question #17			

**16. Is the facility at risk of noncompliance with its permit(s)**

<input checked="" type="checkbox"/>	Yes		No
If yes, describe how the project will ensure continued compliance of facility and how long the system is expected to maintain compliance.			
<p>The purpose of the City's wastewater system improvement project is to maintain the system's compliance with the Clean Water Act (CWA) and Oregon Department of Environmental Quality (DEQ) rules and regulations regarding wastewater systems. The City's Water Pollution Control Facility (WPCF) wastewater permit issued March 29, 2002, expired on February 28, 2007. The City has submitted a new WPCF permit application for the planned WWTP that will be constructed through this funding application. That permit is currently working its way through the process at DEQ.</p>			

**17. What noncompliance issue(s), if any, will this project address?**

	Water Quality Standards	<input checked="" type="checkbox"/>	Public Health
	Limits for wastewater or stormwater discharge to surface water or groundwater		
	Waste discharge limits for reuse of biosolids or wastewater		

**18. Does the project address a water quality improvement or restoration need for a small community, defined as 10,000 or fewer people?**

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, enter the population estimate*: <b>John Day (1,635) &amp; Canyon City (684) = 2,319</b>			
*Use current estimate from Portland State University <a href="#">Population Research Center</a>			

**19. Are you applying for a Sponsorship Option loan for a nonpoint source project in addition to this loan?**

<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
*If yes, complete and submit a <a href="#">Nonpoint Source Application</a> with this application.			

**20. Project categories**

Project Category	Description (Please enter all numbers as decimals (ex: 22.34% = .2234))	% CWSRF Funding
CWT	Secondary Treatment Plant (includes, but is not limited to: new, expansion, improvements; effluent disposal; biosolids treatment, biosolids disposal, water reuse)	
CWT	Advanced Treatment	
CWT	Infiltration/Inflow	
CWT	Sewer System Rehabilitation	
CWT	New Collector Sewer	
CWT	New Interceptor	
CWT	Combined Sewer Overflow (CSO) Correction	
Stormwater	Gray Infrastructure	
Stormwater	Green Infrastructure	
Energy Conservation	Energy Efficiency	
Energy Conservation	Renewable Energy	
Water Conservation	Water Efficiency	
Water Conservation	Water Reuse	
Other	Estuary (§320) Assistance	
Other	Desalination	
<b>Total</b>		

**21. Project Location (if different from public agency location):**

<b>Address unassigned, NW 7th Ave.</b>			
Address			
City John Day	Zip 97845	County Grant	<a href="#">Congressional Dist.</a> (Federal) <b>2</b>
<a href="#">Latitude WGS84</a> <b>44.422702</b>		<a href="#">Longitude WGS84</a> <b>-118.97026</b>	
Additional sites (if applicable)			

**Green Project Components**

Oregon DEQ is required to finance a certain percentage of projects that use green infrastructure, address water and energy efficiency, and/or implement other environmentally innovative activities. Refer to [Appendices A-D, Green Project Reserve Project Eligibility Guidance](#), to complete the following questions.

**22. Does the project incorporate or expand green infrastructure, as described in [Appendix A](#)?**

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
If yes, give dollar value \$				
If yes, cite the objective: <b>To recycle and reuse Class A effluent</b>				
Describe how the project will achieve the objective:				
<p>1.2-9 The water quality portion of projects that employ development and redevelopment practices that preserve or restore site hydrologic processes through sustainable landscaping and site design.</p> <p>An infrastructure element being constructed and developed in parallel for the City is a Purple Pipe disposal system. This will eventually be used for land application/irrigation and industrial uses like log deck watering.</p> <p>Additionally, the existing WWTP is located in a floodplain and the new WWTP will be constructed outside of the floodplain. Demolishing the old facility will restore the hydrological function of that floodplain.</p>				



**23. Does the project incorporate or expand water efficiency as described in [Appendix B](#)?**

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
If yes, give dollar value \$				
If yes, cite the objective: <b>To recycle and reuse Class A effluent</b>				
Describe how the project will achieve the objective, including the estimated percent improvement in water efficiency:				
2.2-6: Recycling and water reuse projects that replace potable sources with non-potable sources. The irrigation use of the effluent through the Purple Pipe system can and will replace drinking water that is used to irrigate, for example, park facilities and public greenspaces.				

**24. Does the project incorporate or expand energy efficiency as described in [Appendix C](#)?**

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
If yes, give dollar value \$				<b>To be determined</b>
If yes, cite the objective: <b>Solar power for the wastewater treatment and disposal system</b>				
Describe how the project will achieve the objective, including the estimated percent improvement in energy efficiency:				
3.2-1 Renewable energy projects such as wind, solar, geothermal, micro-hydroelectric, and biogas combined heat and power systems (CHP) that provide power to a POTW. Micro-hydroelectric projects involve capturing the energy from pipe flow.				
The City currently has a grant through ODOE with Tetra Tech hired as the environmental engineering consultant on a solar power feasibility study for the new WWTP. While no renewable energy elements have been designed into the WWTP project at this time, Final Design has not yet begun, and results of the feasibility study may lead to feasible renewable energy elements of this project. Excess power would be sold back into the grid. Tetra Tech is specifically studying a method of using micro-hydroelectric power from Purple Pipe supply and distribution facilities to generate additional power.				

**25. Does the project incorporate or expand environmentally innovative projects or practices as described in [Appendix D](#)?**

	Yes	<input checked="" type="checkbox"/>	No	
If yes, give dollar value \$				
If yes, cite the objective:				
Describe the innovative projects/practices, how they will be incorporated into the project and how the project will achieve the objective:				

**26. Does the project integrate or expand long-term environmental or financial reliability and viability or use an approach, not included in green project categories [above](#)?**

<input checked="" type="checkbox"/>	Yes		No	
If yes, give dollar value \$				
If yes, describe the approach(s) and how they will be incorporated into the project:				
<p>This entire WWTP project has been designed to empower the City with a redevelopment and rebranding strategy that also leverages the need for a new WWTP. The new plant has been planned to create value and revenue streams for the City through the use of the Purple Pipe disposal system, which will</p>				

**Waterbody**

**27. Provide the name, eight digit Hydrologic Unit Code of waterbody receiving discharge, and the location of the waterbody receiving discharge:**

Primary affected waterbody	N/A		HUC#	
Other affected waterbody			HUC#	
<a href="#">Latitude WGS84:</a>		<a href="#">Longitude WGS84:</a>		

**28. Discharge affected by proposed project (check all that apply):**

	Ocean outfall		Wetland		Estuary/Coastal
<b>X</b>	Groundwater		Eliminates discharge		Surface water (stream river, lake)
	Other/reuse		Seasonal discharge	<b>X</b>	Land Application <b>Purple Pipe</b>
			No Discharge		No Change

**29. Wastewater volume (average dry weather design flow):**

For current system:	mgd
For proposed project:	mgd
Eliminated or conserved	mgd

**30. Indicate if the project will protect or restore beneficial use of the waterbody. If the project provides both protection and restoration, indicate which beneficial uses are primary and which are secondary. (Not all may apply):**

	Protection		Restoration		N/A
	Primary	Secondary	Primary	Secondary	
Domestic water supply					<b>X</b>
Fishing					<b>X</b>
Industrial water supply					<b>X</b>
Boating					<b>X</b>
Irrigation					<b>X</b>

Water contact recreation					X
Livestock watering					X
Aesthetic quality					X
Fish and aquatic life					X
Wildlife and hunting					X
Commercial navigation and transportation					X
Hydropower					X

Information on [beneficial uses](#) of Oregon's waters is available online.

**31. Identify other beneficial uses the project proposes to protect or restore. If the project results in both protection and restoration, indicate which beneficial uses are primary and which are secondary. The project description must support expected outcomes. (Not all may apply)**

	Protection		Restoration		N/A
	Primary	Secondary	Primary	Secondary	
Infrastructure improvements	X				
Regionalization/Consolidation					X
Water Reuse/Recycling/Conservation	X				
Groundwater protection		X			
Drinking Water Supply (e.g., groundwater)					
Other public health/pathogen reduction	X				
Wetland Restoration					X
Security					X
Industrial					X
Riparian Restoration					X
Other (please describe below)					
<p>The City's existing WWTP is a great risk to the John Day River and all the surrounding and associated ecosystems. Constructing this new WWTP is the top public health priority for the City. A failure at the plant will either stop domestic sewer service for over 2,000 people, or devastate the John Day River.</p>					

**Water Quality/Public Health Benefits**

**32. If the proposed project is not implemented at this time, are water quality standards likely to be exceeded, or are existing exceedances of the standards likely to worsen?**

	Yes	<input checked="" type="checkbox"/>	No
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If yes, explain which standard(s) will worsen and provide evidence:

**33. Will the project improve or sustain the following?**

Aquatic habitat that supports native species:			
<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Which species?	<b>Bull Trout and Middle Columbia River Steelhead</b>		
<p>Describe how project will improve or sustain aquatic habitat that supports native species. Provide evidence, if available:</p> <p>The City's existing WWTP is a great risk to the John Day River and all the surrounding and associated ecosystems. Constructing this new WWTP is the top public health priority for the City. A failure at the plant, or a sufficiently intense flood event, could devastate the John Day River and federally protected critical habitat/species.</p>			

State threatened or endangered species:			
<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Which species?			

Describe how project will improve or sustain aquatic habitat that supports state threatened or endangered species. Provide evidence, if available:

Federally threatened or endangered species:

<input checked="" type="checkbox"/>	Yes		No
Which species?	Bull Trout and Middle Columbia River Steelhead		

Describe how project will improve or sustain aquatic habitat that supports federal threatened or endangered species and provide evidence, if available:

The project currently has a Biological Assessment under review and consultation by NOAA-NMFS and USFWS regarding the listed species. For NEPA purposes, the project has been determined "Likely to Adversely Effect," but this determination is NEPA-specific and does not take the full context into view.

As described above, the existing WWTP is an incredible threat to public health, safety, and the environment. Its WPCF permit last expired in 2007 and the quality of the Class A effluent is far better than the quality of effluent currently working its way through the John Day groundwater through the existing plant. This project provides an overall improvement for the environmental integration of the City's WWTP, the John Day River, and the associated floodplains that threaten the existing plant.

\*Attach a map to the application with project locations and habitat clearly indicated

**34. Project will address water quality or public health issues (check all that apply):**

	<a href="#">Federally designated Wild and Scenic River</a>		<a href="#">Tillamook Bay Estuary</a>
	<a href="#">Federally designated sole source aquifer</a>		<a href="#">Lower Columbia River Estuary</a>
	<a href="#">State designated scenic waterway</a>		Wetland or riparian area listed by state or local government
	River designated under OAR 340-041-0350 (Three Basin Rule): The Clackamas River Subbasin, the McKenzie River Subbasin above the Hayden Bridge (river mile 15), or the North Santiam Subbasin.		X None of the above

\*Attach a map to the application with project location and proximity to waterbodies clearly indicated.

**35. Project supports the implementation of which of the following:**

	<a href="#">Existing Total Maximum Daily Load (TMDL)</a>		DEQ water quality status and action plan
	Projected TMDL		Designated ground water management area declared under ORS 468B.180
	Other qualifying plan, specify:		
<input checked="" type="checkbox"/>	None of the above	*Specify below which TMDL, Plan or GWMA the project will support:	

**36. Does project provide performance-based water quality improvement supported by monitoring and reasonable assurance that the project will continue to function over time:**

	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, describe activities, including required and voluntary monitoring, that support these water quality improvements and how these activities will provide reasonable assurance that the project will continue to function over time. Attach documentation, if available.</p>			



**Education and Involvement**

**37. Explain the long-term planning effort the applicant is using to ensure the life and maintenance of the project:**

The City has been planning and developing this specific WWTP project since 2017 and the project has undergone Preliminary Engineering Reports from two different teams of consultant engineers. The City has also hired a hydrogeologist and biologist to perform groundwater modeling, analysis, and the Biological Assessment for this project.

**38. Describe on-going educational or outreach components of the project:**

**39. Does the project incorporate partnerships or support from one or more of the following?**

	In-kind support		Other funding sources		N/A
	Partnerships with organizations (governmental, tribal, non-governmental)				
	Other: <b>City of Canyon City</b>				
<p>If yes, please describe: John Day provides Canyon City with wastewater treatment service and collects all of Canyon City's influent for treatment.</p>					

**40. Some public agency borrowers who are not considered economically distressed still have portions of their population that might experience financial hardship due to the cost of their sewer rates. These borrowers have established programs to assist these ratepayers.**

**Does your community have a ratepayer hardship program in place?**

	<u>Yes</u>	X	<u>No</u>
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**Schedule and Budgeting**

**41. Project schedule (Month, Year):**

Estimated design start date:	January 2024
Estimated construction start date:	January 2025
Estimated project completion date:	December 2025
Estimated initiation of operations date:	January 2026

Please explain if the estimated dates are *before* the loan application date or the date a loan will be signed: Final Design, and the package plant procurement, are already funded through the CDBG and Water/Wastewater program. The USDA-WEP funding will be used with CWSRF for construction activities.

#### 42. Project cost and funding:

<b>Table A. Project Budget</b>		
	<b>Total Project Budget</b>	<b>Amount funded by CWSRF</b>
Administration and Legal	\$50,000	
Contingency	\$2,046,438	
Preliminary Expense		
Land and Right of Way		
Basic Engineering <b>Construction</b>	\$1,049,947	\$1,000,000
Other Engineering		
Project Inspection	\$582,426	
Construction	\$11,840,026	\$3,000,000
Other:		
<b>Total Costs</b>	<b>\$15,568,837</b>	<b>\$4,000,000</b>

<b>Table B. Funding Sources</b>		
	<b>Amount</b>	<b>Interim or Permanent Loan</b>
DEQ Clean Water State Revolving Fund Loan	4,000,000	
Business Oregon Special Public Works Grant/Loan		
Business Oregon Water/Wastewater Grant/Loan	2,500,000	
Business Oregon Community Development Block Grant	2,500,000	

USDA Rural Development Grant/Loan	6,568,837	
General Obligation Bonds		
Revenue Bonds		
Local Funds (note source of funds)	200,000	
In-Kind Assistance		
Other:		
<b>Total Funding (must equal total cost in Table A)</b>	<b>15,568,837</b>	

**43. Existing sewer related debt service (before CWSRF project funding):**

	Current Balance	Interest Rate	Year Issued	Annual Payment	Bond Rating
General obligation bonds					
Sewer Revenue Bonds					
Other Debt	2,219,268	3.78 & 1%	'17 & '20	99,341	

**44. Service area data:**

Population served by current system*:	2,319
Population served by proposed project:	2,319
*Use current estimate from Portland State University <a href="#">Population Research Center</a>	

**Required Documentation**

This application provides the necessary information for DEQ to determine eligibility, scoring, ranking and to complete reporting requirements for the proposed project. Once deemed eligible and scored, the project will be included in the Clean Water State Revolving Fund Intended Use Plan and the applicant can then complete the remaining required documents.

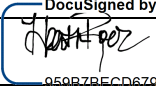
Consult the Checklist for a complete list of required documents. The documents require time to prepare and complete. DEQ recommends that applicants become familiar with these required documents early in the application process. The checklist is [online](#).

Check here to receive DEQ program updates through [GovDelivery](#). You may unsubscribe at any time.

<b>Certification</b>
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The public agency or applicant certifies that:

- Clean Water State Revolving Fund loan proceeds will be used only for the project described in this application and that project work will be consistent with project objectives.
- The public agency or applicant will comply with all applicable rules and laws.
- The public agency or applicant will obtain all applicable local, state, and federal permits, approvals, and licenses, and comply with their terms and conditions.
- The undersigned is duly authorized to request this loan on behalf of the public agency.
- The public agency or applicant declares under penalty of law that all facts given and information attached are true and correct.
- The public agency or applicant authorizes DEQ to verify all information.

<p><small>DocuSigned by:</small>    <small>059B7BECD6794F4...</small></p>	12/5/2023
Authorized Signature	Date
Heather Rookstool	x
Typed Name	Title
LGIP Account Number (for processing loan disbursements)	

Return the completed application to your DEQ Project Officer. A complete list of Clean Water State Revolving Fund staff is [online](#).

<b><u>DEQ USE ONLY</u></b>	
Application Name:	
Application #:	
Date Received:	
GPR Amount:	
GPR Category:	
<b>Application Deemed Eligible and Complete:</b>	
PO Initials:	
Date:	
SERP Applicant Guide version:	

### Alternative formats

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email [deqinfo@deq.oregon.gov](mailto:deqinfo@deq.oregon.gov).

Revision number	Revision Date	Changes that were made
November 2022	12/12/2022	Added SERP applicant guide version Fixed links, added links, and fixed grammar Removed state from contact information. Addition of notes under #4. Moved wording and added clarity to #22-26. Added wastewater volume to #29.