		State of Washington Department of Ecology <b>WASTEWATER TREATMENT PLANT COMPLIANCE INSPECTION REPORT</b>			Central Regional Office 1250 W Alder ST Union Gap, WA 98903 ph: (509) 575-2490 fax: (509) 575-2809 (rev. 7-17-18)	
Section A: General Information						
Report Version	PERMIT #	mm/dd/yy	Inspection Type	Inspector Code	Facility Type	
<input checked="" type="checkbox"/> New <input type="checkbox"/> Changed <input type="checkbox"/> Deleted	<b>WA0501487</b>	9/26/2022	<u>C</u>	S	<input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Public <input type="checkbox"/> Private	
Remarks						
N/A						
Inspection work days 0.8	Facility Self-Monitoring Yes	Photos Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Samples Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BI N	QA N	
Lead Ecology Inspector(s) Stephanie Giesin, Erik Van Doren						
Section B: Facility Data						
Name, Location, and Phone of Facility Inspected Rock Island POTW 201 4 <sup>th</sup> St SW Rock Island, WA 98850				Entry Time 9:58 AM	Permit Effective Date 3/1/2020	
				Exit Time 11:37 AM	Permit Expiration Date 2/28/2025	
Name(s)/Title(s) of On-Site Representative(s) Wyatt Long – Public Works Supervisor/Operator Carl Asdren – Senior employee Josue Hernandez – Process Control				Ecology Staff On-Site Stephanie Giesin – Permit Developer/Permit Manager Erik Van Doren – Technical Unit Supervisor		
Name, Address, Title, Phone, and Fax Number of Responsible Official Randy Agnew - Mayor PO Box 99 Rock Island, WA 98850-0099  Phone Number 509-884-1261   Fax N/A   Contacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Other Facility Data N/A		
Section C: Areas Evaluated During Inspection (Check only those areas evaluated)						
<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> CSO/SSO (Sewer Overflow)			
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Effluent Receiving Water	<input checked="" type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Pollution Prevention			
<input type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Multimedia			
<input type="checkbox"/> Self-Monitoring Program	<input checked="" type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Other			

## Section D: Summary of Findings/Comments

The purpose of this inspection was to introduce myself, Stephanie Giesin, as the facility's new permit manager and get a general walkthrough of the facility. This inspection was scheduled in advance with the operator and Ecology personnel.

Ecology last inspected this facility on December 12, 2019.

Erik Van Doren and I arrived on site at 9:58 am. We introduced ourselves and Erik explained his role as Technical Unit Supervisor and my role as their new permit manager. Wyatt is the only certified operator at the facility. Josue is working on his certification. He has an application that he is waiting on to be reviewed. Erik said we could follow up with the individual at Ecology that reviews those applications. Erik went over resources available to them as operators like Andy O'Neill from CRO. Rock Island received an "Outstanding Performance Award" Wastewater Treatment Plant (WWTP) award for 2021. The plaque was presented to the staff at the time of our visit. Erik mentioned lab accreditation and asked if they had their permit to go over the lab accreditation language written in the permit. The language states in S2.D The Permittee must obtain accreditation for conductivity and pH if it must receive accreditation or registration for other parameters. Erik suggested they reach out to Rebecca Wood with lab accreditation unit to inquire about getting accreditation for pH and dissolved oxygen.

Wyatt appreciated this information. I asked if it was okay to take photos to document the inspection, Wyatt said yes.

We reviewed the lab and log sheets from September. A1 and A2 were on the counter from the primary clarifier. A1 is from last Friday. Wyatt brought out their binder that holds all their data from this year and lab documentation from Cascade Analytical. Wyatt explained that they have had issues with getting sample results back in time from Cascade to submit their Discharge Monitoring Reports (DMRs) on time. Erik said to submit the DMR and make note on the DMR, but also let me know by phone call or email based on permit requirements for reporting.

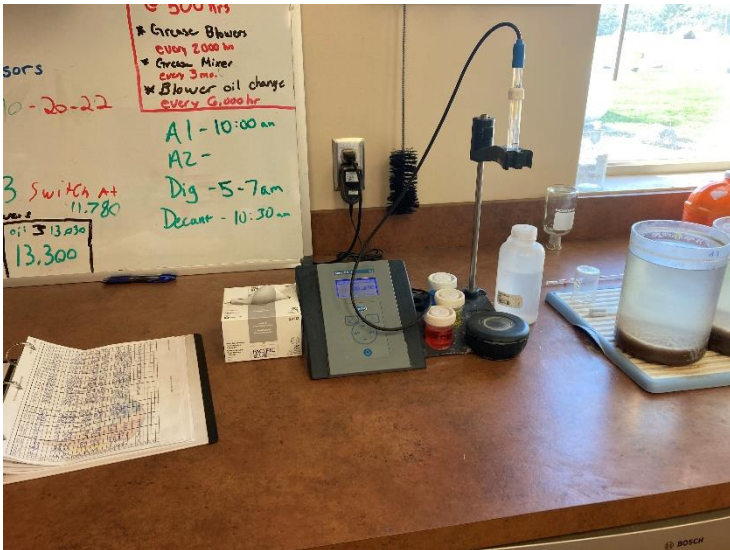
We walked through the plant starting at headworks. Erik asked when the influent sampler hose was last cleaned. Wyatt commented that it is cleaned once a week.

The Rock Island POTW owns and operates an Aero-Mod wastewater system. The Aero-Mod system is billed as a patented, low maintenance system without moving parts below the water. The influent flows into the center of the system and can be split into 1 of 2 redundant sides for operation. Each treatment side includes an aeration tank, secondary aeration tank, clarifier, and aerobic digester. Supernatant from the digesters flow over to the secondary aeration tank. The secondary effluent flows by gravity to the UV disinfection system. We observed the UV disinfection system and found to be operational. Erik observed both banks of UV lights to be on and asked if they leave them all on year round. The operator said the energy bill is cheap and having them on is cheap insurance ensuring that they are getting adequate disinfection.

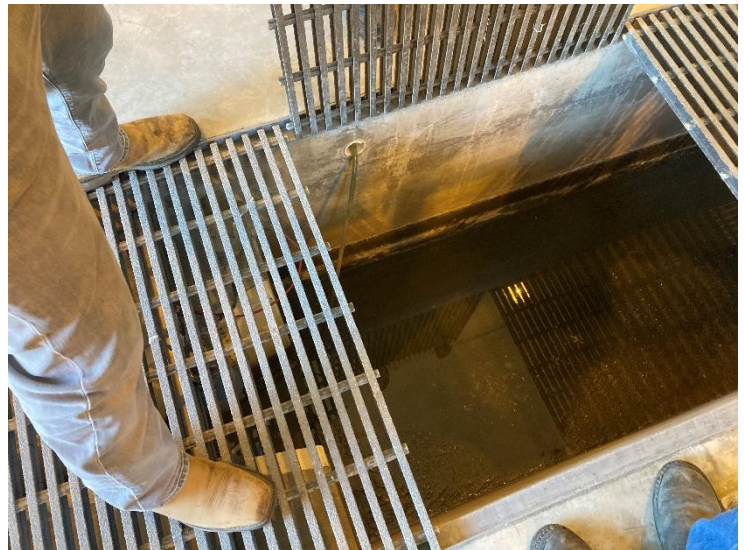
The wasted activated sludge (WAS) is dewatered via an FKC screw press. The operators stated the WAS concentration going into the screw press is approximately 0.6% and ranges between 15-30% for solids content post pressing. Biosolids are placed on dry pavement outside and hauled to a beneficial use facility according to their biosolids permit.

We left the facility at 11:37 AM.

#### Photos:



pH probe, September log sheets



Influent sampler hose





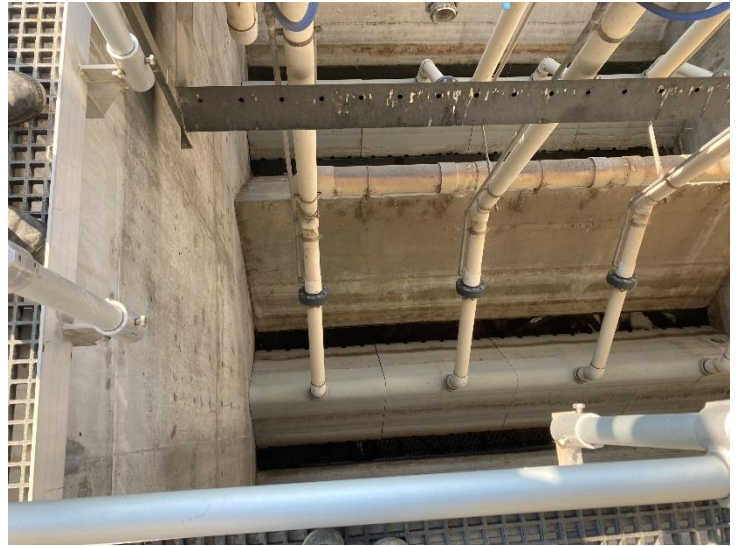
Headworks screen



Blowers – rotate operation between 3 units



Aeration basin



Bottom of aeration basin - empty





Empty aeration basin



Mixed liquor under aeration



Digested sludge



Digested sludge

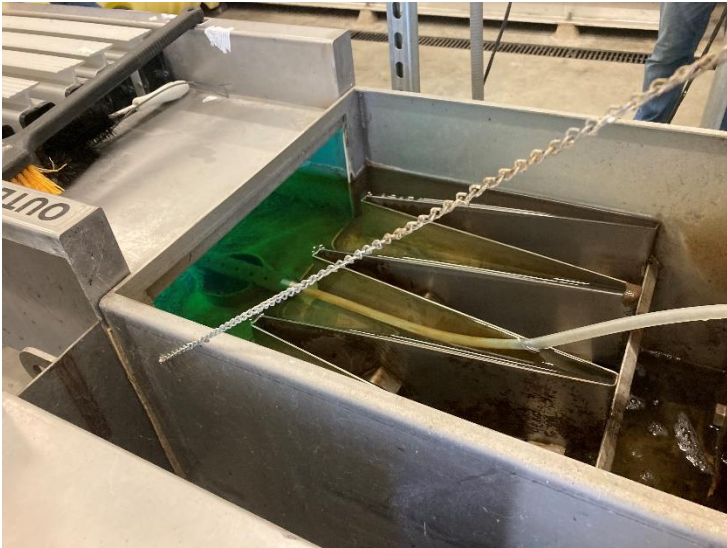




Effluent skimmer



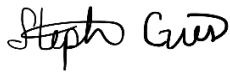

Effluent



UV disinfection bulbs



FKC Screw press

Name(s) and Signatures of Inspector(s)	Agency/Office/Telephone	Date
Stephanie Giesin 	WA Dept. of Ecology, CRO, (509) 504-0172	10/11/2022
Name and Signature of Management QA Reviewer	Agency/Office/Telephone	Date
Erik Van Doren 	WA Dept. of Ecology, CRO, (509) 571-0934	10/11/22

**ANNOUNCED** Inspection

## Appendix A

## Compliance Inspection Report Form

**Section A: General Information**

**Report Version:** N for 1<sup>st</sup> version, C for Changed or amended, or D for Delete

**NPDES Permit No.:** Enter the facility's NPDES or State permit number.

**Inspection Date:** Insert the date entry was made into the facility. Use the month/day/year format (e.g., 06/30/04 = June 30, 2004).

**Inspection Type:** Use one of the codes listed below to describe the type of inspection:

A Performance Audit	L Enforcement Case Support	2 IU Sampling Inspection
B Compliance Biomonitoring	M Multimedia	3 IU Non-Sampling Inspection
C Compliance Evaluation (non-sampling)	P Pretreatment Compliance Inspection	4 IU Toxics Inspection
D Diagnostic	R Reconnaissance	5 IU Sampling Inspection with Pretreatment
E Corps of Engineers Inspection	S Compliance Sampling	6 IU Non-Sampling Inspection with pretreatment
F Pretreatment Follow-up	U IU Inspection with Pretreatment Audit	7 IU Toxics with Pretreatment
G Pretreatment Audit	X Toxics Inspection	
I Industrial User (IU) Inspection	Z Sludge	

**Inspector Code:** Use one of the codes listed below to describe the *lead agency* in the inspection:

C - Contractor or Other Inspectors (Specify in Remarks Columns)	N - NEIC Inspectors
E - Corps of Engineers	R - EPA Regional Inspector
J - Joint EPA/State Inspectors - EPA Lead	S - State Inspector
	T - Joint State/EPA Inspectors - State Lead

**Facility Type:** Use one of the choices below to describe the facility.

1 - Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.

2 - Industrial. Other than municipal, agricultural, and Federal facilities.

3 - Agricultural. Facilities classified with 1987 SIC 0111 to 0971.

4 - Federal. Facilities identified as Federal by the EPA Regional Office

**Remarks:** These columns are reserved for remarks.

**Inspection Work Days.:** Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, travel tAirliftpreparation time. This estimate does not require detailed documentation.

**Facility Evaluation Rating:** Use information gathered during the inspection (regardless of inspection type) to evaluate the quty of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

**Biomonitoring Information.** Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

**Quality Assurance Data Inspection.** Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

**Photos Taken:** Yes or No

**Samples Taken:** Yes or No

**Lead Ecology Inspector:** Enter lead inspector's name

**Section B: Facility Data**

This section is self-explanatory except for: "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, and other updates to the record), e-mail addresses...; and "Ecology Staff On-Site", which may include staff names, titles, phone numbers, or e-mail addresses.

**Section C: Areas Evaluated During Inspection**

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary.

**Section D: Summary of Findings/Comments**

Support the findings, as necessary, in a narrative report. Use the headings given on the report form (staffing, back-up power) as appropriate. Reference a list of attachments, such as completed checklists, photos, lab reports, etc. Use extra sheets as necessary.

LINKS AND INFORMATION:

“Informational Manual for Treatment Plant Operators”; February 2004; by the Department of Ecology  
Publication Number 04-10-020:

<https://fortress.wa.gov/ecy/publications/SummaryPages/0410020.html>

The manual was prepared to help wastewater treatment plant operators complete and submit their Discharge Monitoring Reports (DMRs) and other annual reports to the Department of Ecology. The manual is available in hard copy. To request a copy, contact the Department of Ecology, Publications Distribution Center at P.O. Box 47600, Olympia, WA 98504-7600 or by Telephone: (360) 407-7472. Updates to the manual are included on the website version.

Ecology's Wastewater and Reuse website:

<https://ecology.wa.gov/Water-Shorelines/Water-quality/Reclaimed-water>

Ecology's Operator Certification website:

<https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Wastewater-operator-certification>

Ecology's Laboratory Accreditation website:

<https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation>

Ecology's Biosolids website:

<https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-materials/Biosolids>

Ecology's Operator Outreach: Andy O'Neil (509) 710-3676; [andy.oneill@ecy.wa.gov](mailto:andy.oneill@ecy.wa.gov)

Ecology's Municipal Compliance Specialist (Central Regional Office): Lindsay Hunsperger (509) 208-1285;

[lindsay.hunsperger@ecy.wa.gov](mailto:lindsay.hunsperger@ecy.wa.gov)

Ecology's Wastewater Operator Certification Coordinator: Poppy Carre (360) 407-6449; 1-800-633-6193 (within the state)

[Poppy.carre@ecy.wa.gov](mailto:Poppy.carre@ecy.wa.gov)

Ecology's Regional Biosolids Program Coordinator: Ruby Irving-Hewey (509) 379-4737: [ruby.irving-hewey@ecy.wa.gov](mailto:ruby.irving-hewey@ecy.wa.gov)

Reporting Spills/Overflows/Upsets/Bypasses/Loss of Disinfection IMMEDIATELY:

Regional Ecology Office number for spill reporting: (509) 575-2490 to report a spill



