



West Central Oregon Section
Eugene WWTP
Plant Profile
June 16th, 2022

Outline/Training Goal

The Plant Profile at the Eugene Springfield Regional Wastewater Treatment Facility will have a plant overview by facility supervisor Steve Barnhart, followed by a plant tour. The overview and tour will include the development of Renewable Natural Gas (RNG) in a POTW by speaker Mark Van Eeckhout.

The E/S WPCF is an activated sludge wastewater treatment facility with pretreatment, primary, secondary, and final treatment processes. The facility has a permitted dry weather design flow of 49 million gallons per day. Treated effluent is discharged to the Willamette River after disinfection.

Timeline

- 12:00 noon 1:00pm: Lunch and treatment plant overview presentation by Wastewater Supervisor, Steve Barnhart. RNG presentation by Mark Van Eeckhout.
- 1:00 pm – 2:00pm: Tour the Eugene Springfield Regional Wastewater Treatment Plant facility including the new RNG facility

Total Training Time: 2.0 hours



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Tour of the Eugene/Springfield Water Pollution Control Facility Renewable Natural Gas Plant

Presenter: Steve Barnhardt

Title: Operations Supervisor

Employer: City of Eugene

Address: 410 River Ave

City: Eugene

State: OR

Zip: 97404

Phone: 541 682-8617

Summary of Lesson content: Tour of the Eugene/Springfield RNG plant. Present a power point on why we decided to build a RNG facility rather than upgrade our cogeneration facility. We will also discuss the value of the gas and the

attributes. We will also tour the facility and explain the operation of the facility

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: 30 years of experience in the operation and maintenance of wastewater facilities. 6 years as the Operations Supervisor at the Eugene/Springfield WPCF

Education (High School, Upgrades, Colleges and Degrees): High School Graduate

Professional Registration/Certification: Oregon DEQ Wastewater System Operator Certificate Grade IV

Related papers/instruction you have presented:

Title: Eugene Springfield WPCF Tour

Date: 5/22/2019

Event: WCOS Plant Profile

Title

Date:

Event:


Professional Organizations/Activities:

PNCWA Operation and Maintenance Committee

Date: Current

Date:

Course sponsor: West Central Oregon Coast Section of the PNCWA

Signature of Instructor: 

Date: 3/4/2022

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

Return Completed Form To:

OESAC CEU COMMITTEE
P.O. Box 577
Canby, OR 97013-0577

Email: info@oesac.org
Phone: 503-698-6486



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Development of Renewable Natural Gas (RNG) in a Publicly Owned Wastewater Treatment Facility

Presenter: Mark Van Eeckhout Title: Civil Engineer

Employer: MWMC - City of Springfield Address: 410 River Ave

City: Eugene State: OR Zip: 97404 Phone: 541-736-7126

Summary of Lesson content: At the Eugene/Springfield Wastewater Treatment Facility staff has developed a system to pr

There will be a presentation on the development of this project and lessons learned from the planning, design,

construction, and early operations of the system.

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Design and Construction of new Renewable Natural Gas
tech. in wastewater setting. This presentation will discuss the execution of the first publicly owned RNG facility in OR.

Education (High School, Upgrades, Colleges and Degrees): Bachelor's (1996) and Master's (2002) degrees
in Civil/Water Resource Engineering - University of New Mexico (UNM) Master's in Business Administration - UNM 2006

Professional Registration/Certification: State of Oregon Professional Engineering License 78854PE

Related papers/instruction you have presented:

Title: None Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: Oregon ACWA Date: February 16, 2022

Date: _____

Course sponsor: Steve Barnhardt (City of Eugene)

Signature of Instructor: [Signature] (Mark Van Eeckhout) Date: March 4, 2022

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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