



State of Oregon Department of Environmental Quality  
**Notice of Intent to Construct**

Form AQ104  
 Answer Sheet

FOR DEQ USE ONLY	
Permit Number:	Regional Office:
Application No:	Date Received :

1. Source Number: 33-0003-ST-01	
2. Company	3. Facility Location
Legal Name: AmeriTies West, LLC	Name: AmeriTies West, LLC
Ownership type: Limited Liability Company	Plant start date: 1922 / 2005
Mailing Address: P.O. Box 1609	Street Address: 100 Tie Plant Road
City, State, Zip Code: The Dalles , Oregon , 97058	City, County, Zip Code: The Dalles , Wasco , 97058
4. Number of Employees (corporate): 100	Number of Employees (plant site): 48

5. Facility Contact Person	6. Industrial Classification Code(s)
Name: Lance Bliss	SIC: 2491, 4961
Title: Plant Manager	NAICS: 221330, 321114
Phone number: (541) 296-1808	7. Type of construction/change: (see instructions) 1
Fax number: (541) 296-1598	
Email address: lbliss@amerities.com	

8. Signature	
<i>I certify that the information contained in this notice, including any schedules and exhibits attached to the notice, are true and correct to the best of my knowledge and belief.</i>	
Lance C. Bliss	Plant Manager (541) 296-1808
Name of official (Printed or Typed)	Title of official and phone number
	5/14/20
Signature of official	Date



Construction Information

9. Description of proposed construction:

This is a two part project. Part (1) is the proposed installation of a 15,000 scfm Rotary Regenerative Thermal Oxidizer (proposed RTO). Part (2) is a Best Management Practice Mega-Pack door installation. AmeriTies West, LLC (AmeriTies) proposes to enclose the east end of the Treating Building (i.e., the building end where the retort doors are opened) with the Mega-Pack door. Enclosing this area results in a room approximately 60' by 15' by 25'. AmeriTies proposes to mount a collection hood on the roof of the newly enclosed area which will be routed via ductwork to the proposed RTO. The ductwork will be routed south to the proposed RTO which will be situated between the Treating Building and property boundary as shown in the attached figures. With the Mega-Pack door and the RTO operating, AmeriTies proposes to open the retort doors after completion of a charge. Upon opening the retort doors, an instantaneous plume of emissions exits the retort due to the change in temperature and pressure. This emissions plume will be captured by the collection hood and routed to the proposed RTO for control of volatile organic compound and hazard air pollutant emissions. AmeriTies proposes to leave the retort doors open, for up to 8 hours with the RTO still operating, to allow for the treated charge to cool prior to transport to the drip pad.

10. Will the construction increase the capacity of the facility?  If yes, how much?
11. Will the construction increase pollutant emissions?  If yes, how much (see 19 Emissions Data)  
 See attached emissions inventory.
12. Will the construction cause new pollutant emissions?  If yes, which pollutants and how much?  
 See attached emissions inventory (proposed RTO NG-fired combustion).
13. Estimated timing of construction.
- |                     |          |
|---------------------|----------|
| a. Commence date:   | 3/31/20  |
| b. Begin date:      | 3/31/20  |
| c. Completion date: | 10/30/20 |
14. Attach relevant forms from Form Series AQ200, Device/Process Forms.
15. Attach relevant forms from Form Series AQ300, Control Device Description Forms, if applicable.
16. Attach process flow diagram.
17. Attach a city map or drawing showing the facility location.
18. If applicable, attach a Land Use Compatibility Statement.



# Notice of Intent to Construct

Emissions Data

19. Pre-and Post-Construction emissions summary data

a. Emissions Point	b. Pollutant	c. Pre-Construction Emissions		d. Post-Construction Emissions	
		short-term (specify unit)	Annual (tons/year)	short-term (specify unit)	Annual (tons/year)
See attached	emissions	inventory.			

Submit two copies of the completed Notice of Intent to Construct to the Regional Office listed below for the area that the source is located.

Oregon Department of Environmental Quality		
Eastern Region, Air Quality 475 NE Bellevue Drive, Suite 110 Bend, OR 97701-7415	Northwest Region, Air Quality 700 NE Multnomah St., Suite 600 Portland, OR 97232-4100	Western Region, Air Quality 4026 Fairview Industrial Drive SE Salem, OR 97302-1142



**FUME INCINERATOR  
CONTROL DEVICE INFORMATION**

**FORM AQ306  
ANSWER SHEET**

State of Oregon  
Department of  
Environmental  
Quality

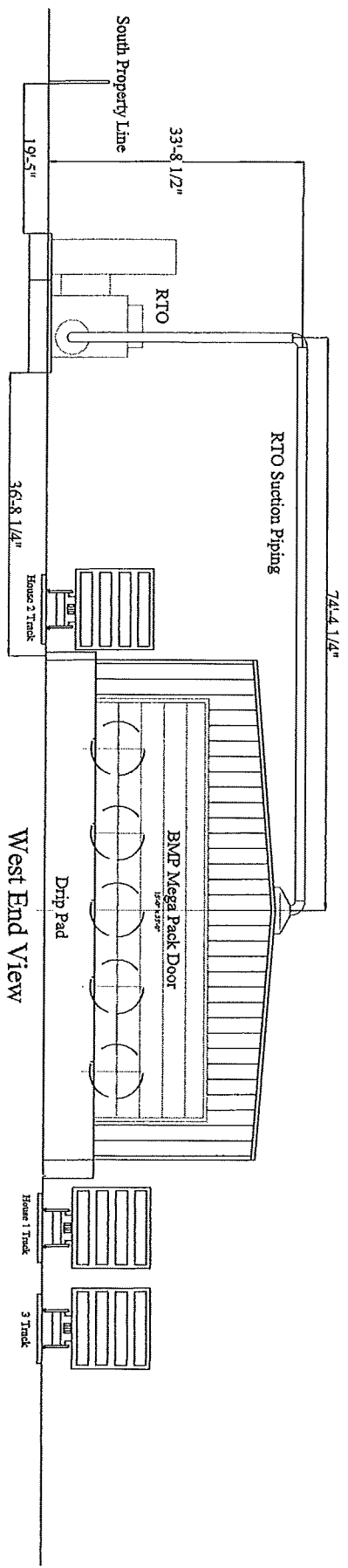
Facility Name: **AmeriTies West, LLC**

Permit Number: **33-0003-ST-01**

1.	Control Device ID	Proposed RTO		
2.	Process/Device(s) Controlled	Retort Door Opening and Charge Cooling		
3.	Year installed	2020		
4.	Manufacturer/Model No.	Reeco RL15-V2-85 Serial no. 1236		
5.	Control Efficiency (%)	98% or greater		
6.	Type of incinerator	Rotary Regenerative Thermal Oxidizer		
7.	Design temperature (°F)	1,500°F		
8.	Design residence time (sec.)	0.50 seconds or greater		
9.	Design inlet gas flow rate (acfm)	15,000		
10.	Inlet gas pretreatment? (yes/no) If yes, list control device ID and complete a separate control device form	No		
11.	Fuel type	Natural Gas		
12.	Design maximum hourly amount of fuel (specify units)	4 MMBtu/hr		
13.	Projected maximum annual amount of fuel (specify units)	17,600 MMBtu/yr		

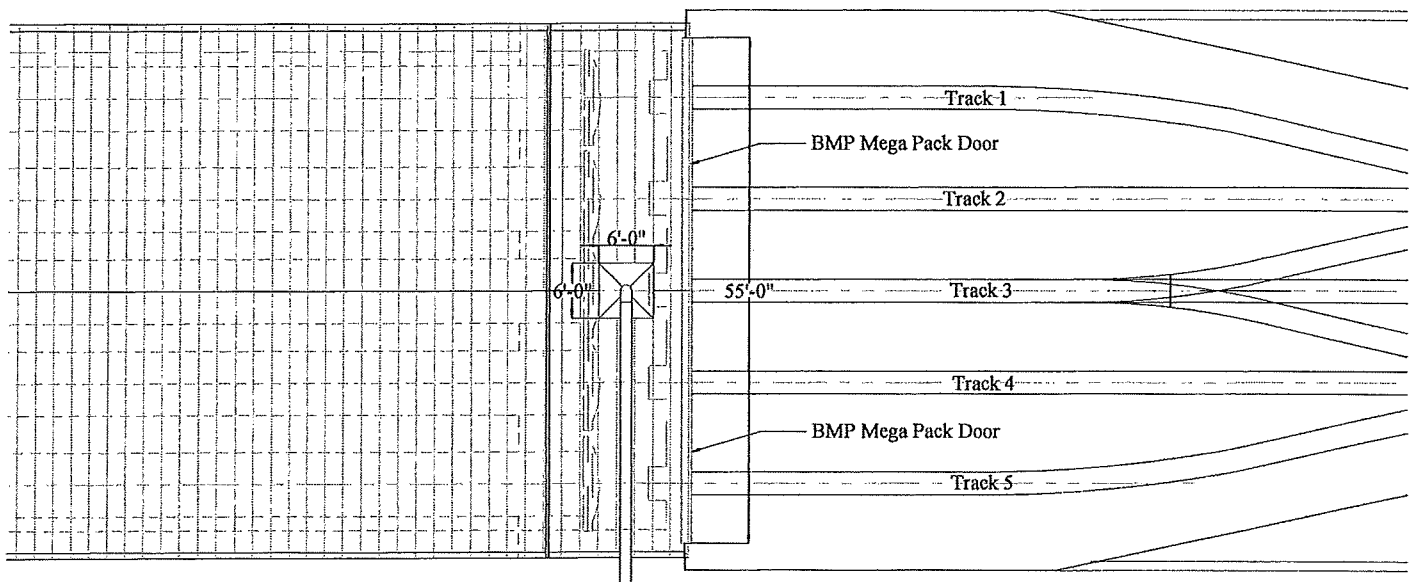
The Reeco RL 15-V2-85 was designed to maintain a temperature of 1500°F in the combustion chamber and have a 98% destruction and removal efficiency. The RL design has two features called chamber flushing and valve sealing which allow for lower retention time. Chamber flushing recirculates the inlet fumes to maximize the destruction of the commonly called slugs or puffs fumes that become trapped in a typical RTO's transition manifold and at the bottom of the heat recovery chamber. Valve sealing eliminates leakage across the valve seat using pressurized air. This prevents the cross contamination between purified and non-purified air streams.

# Treating Building

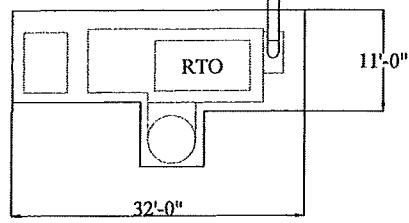


3 Track

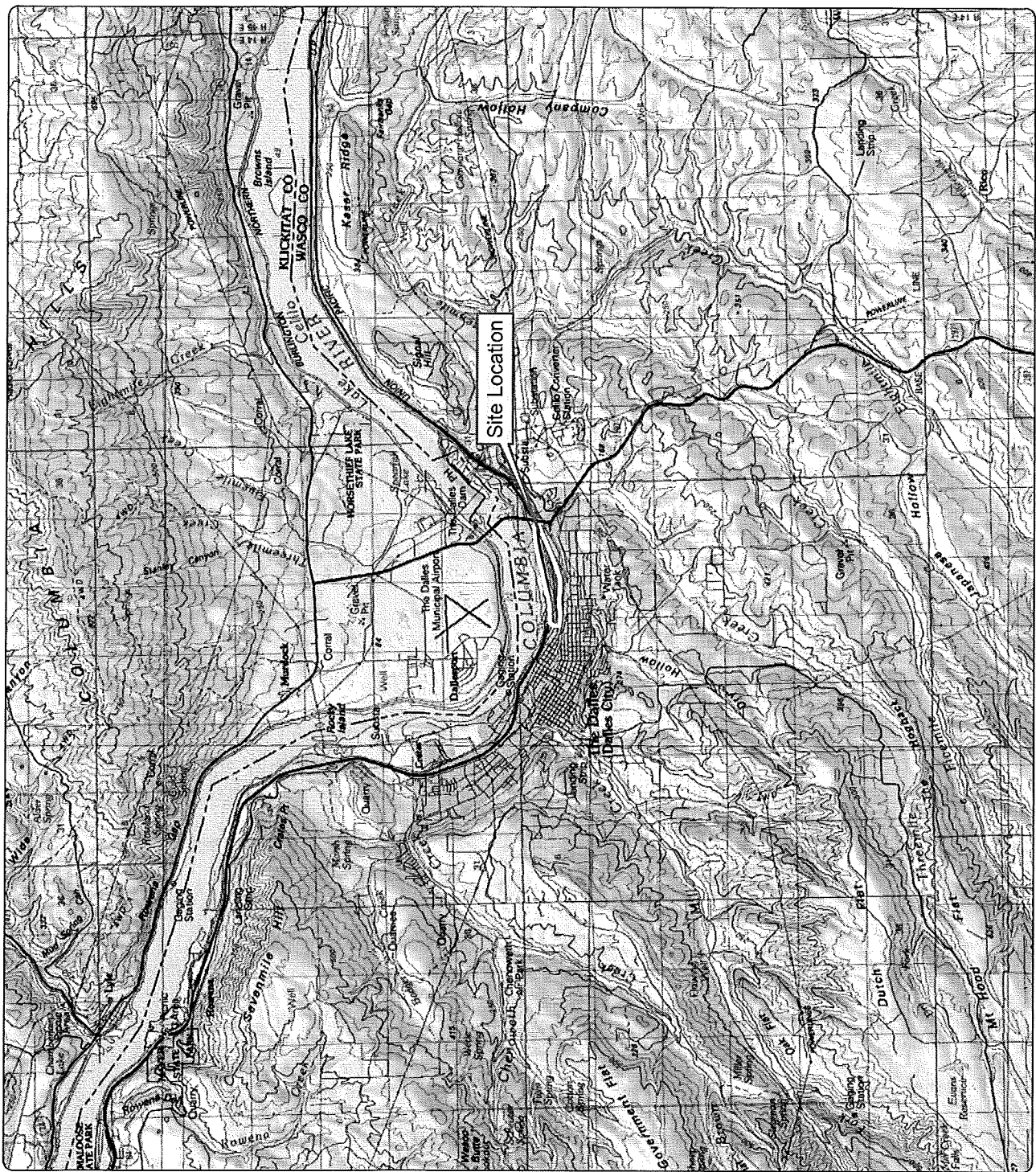
House 1 Track



House 2 Track

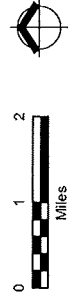


South Property Line



**Figure 1**  
**Site Location Map**  
 AmeriTies West, LLC  
 The Dalles, Oregon

**Legend**  
 Property Boundary

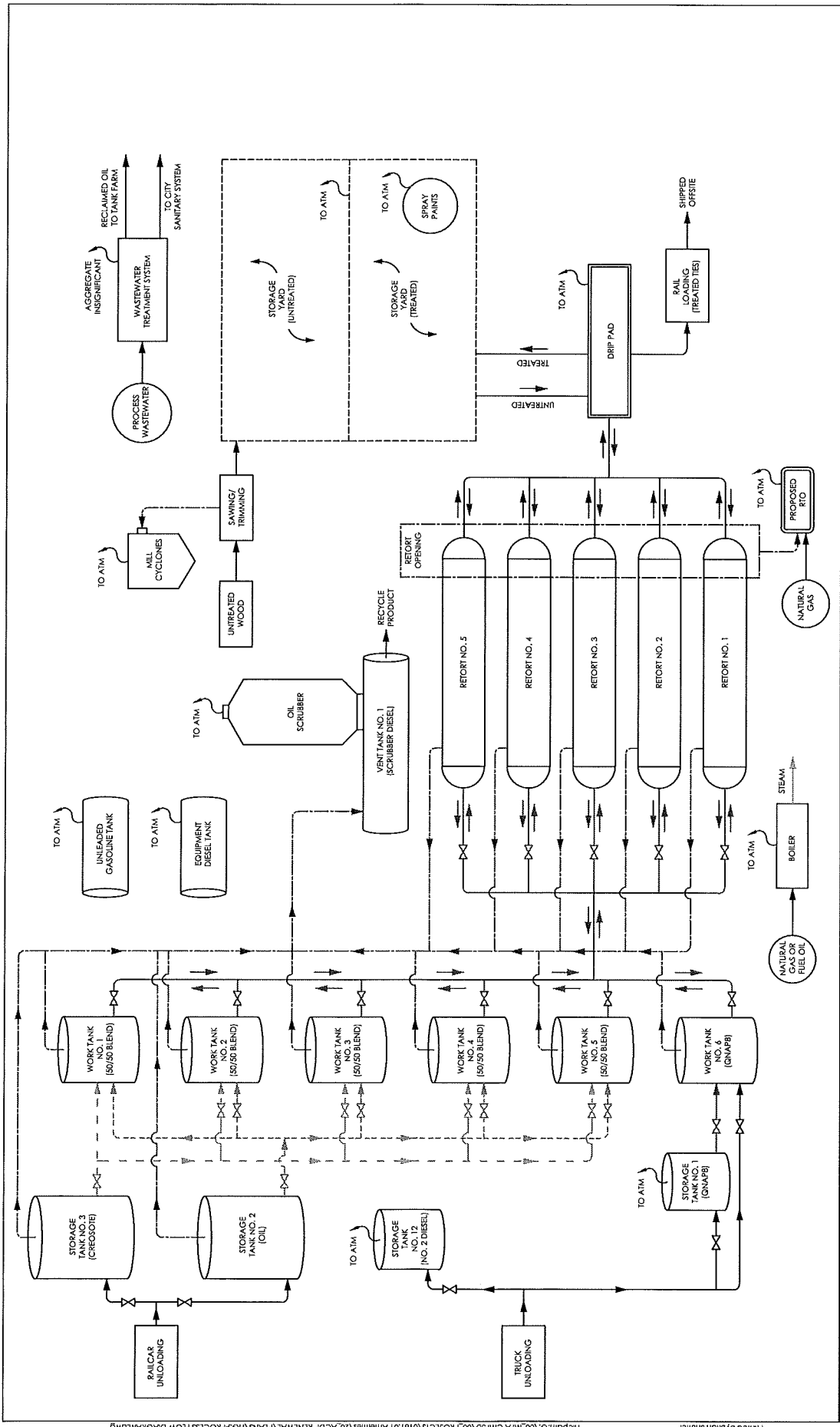


Source: US Geological Survey (1983) 7.5-minute topographic quadrangle: Hood River.

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**Figure 2**  
**Process Flow Diagram**  
 AmeriTies West, LLC  
 The Dalles, Oregon

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 This diagram is a conceptual representation of the process flow and is not intended to be used for construction purposes. It is not a guarantee, warranty, or contract. The design and construction of the facility shall be governed by the applicable laws and regulations. Additionally, only the approved design shall be used for construction. All dimensions and quantities are subject to change without notice. The design is the property of Maui Foster Alongi and shall remain confidential. All rights reserved.