

# Combustion System Improvement – Reverse Osmosis System

## Conservation Practice Job Sheet RI - 372

Owner/Operator \_\_\_\_\_ Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_ Field No. \_\_\_\_\_

### Practice Specifications

Practice Specifications are prepared in accordance with the Rhode Island NRCS Field Office Technical Guide. Information contained in this document is considered part of the conservation plan. Use the manufacturer’s installation guide with this jobsheet.

Client Name:		Farm #:	
Field(s):		Tract#:	
Planned By:		Date:	
Approved By:		Total Acres:	

Purpose: (check all that apply)	
<input type="checkbox"/> To improve air quality	<input type="checkbox"/> To improve the energy efficiency
<input type="checkbox"/> Other (specify):	

### GENERAL CRITERIA:

-  Size the new or replacement combustion system and related components or devices appropriately to accomplish its intended task.
-  Where required, certify that the new, replacement, or retrofit combustion system and related components or devices meets or exceeds currently-applicable Federal, State, and local standards and guidelines
-  All replaced combustion systems shall be rendered inoperable or used to replace higher-emitting or lower-efficiency combustion systems. Certification of use as a replacement system can be accomplished by providing certification of inoperability of one or more higher-emitting or lower-efficiency combustion system(s).
-  Certification of inoperability can be accomplished by:
  - Obtaining a receipt for the combustion system disposal from a scrap metal recycling operation and keeping this receipt available for inspection; or
  - Obtaining a receipt for the combustion system disposal from a scrap metal recycling operation and keeping this receipt available for inspection; or

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**Installation:** check one  New  Replacement  Retrofit

If Replacement – follow Certification of inoperability from general criteria above.

**Sizing:** The unit is sized in gallons per hour (GPH). The size of the RO is determined based on the existing maple sugaring operation (number of taps and the capacity of the evaporator).

ID	Field	Design Information	
1		Brand	
2		Model Number	
3		Size	(GPH)
4		Date of Installation	
5		Membrane height	
6		Membrane type	
7		Maximal operating pressure (PSI)	(PSI)
8		Maximum feed flow rate (GPM)	(GPM)
9		Installed by licensed electrician Provide Name and License number (printed)	Name: License number:
10		Size of room unit is installed in. Note minimum size from installation manual in column to right.	
11		Type of heat in building – required by manufacturer’s installation manual.	
12		Floor drain has been installed (optional)	Yes / No
13		Sap filter installed at entrance to sap supply (optional)	Yes / No
14		Plumbing installed as described in manufacturer’s installation manual.	Yes / No

System Description:

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**OPERATION / MANAGEMENT AND MAINTENANCE:**

- 💧 The new, replacement, or retrofit combustion system and related components or devices shall be operated and maintained in accordance with the manufacturer’s recommendations.
- 💧 NRCS recommends that records be retained and updated for a minimum of five years from the beginning of operation of a new, replacement, or retrofitted combustion system.  
The recommended records to be retained include:
  - Date of operation (daily record)
  - Temperature (inside)
  - Membrane washed (yes/no)
  - Maintenance performed (described)
  - Date unit stored
- 💧 Store unit as recommended by manufacturer
- 💧 Store membrane as recommended by manufacturer

<b>Additional Specifications and Notes:</b>

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