

9e. Provide the design specification (to incl. the percentage reference oxygen), the minimum discharge height, national grid reference (easting and northing), maximum volume to be emitted per hour (m<sup>3</sup> /hr), and maximum RTO capacity (kg/h) of the regenerative thermal oxidiser installed at the installation.

<b>Pressure Equipment Identification</b>	
Equipment	Thermal Oxidiser / Steam Boiler
Model	RID 1.0398.VP15
Manufacturing No.	12/58909

<b>Characteristic of Pressure Equipment</b>	
Fluid	Steam
Max Pressure	15 Bars g
Test Pressure	22.5 Bars g
Manufacturing Year	2002
Total Capacity	17,666 Litres
Max Fluid Temperature	201°C
Normal Steam Output	18.65 t/h
Max Pressure	12.6 Bars g

Max Fluid Temperature	194°C
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References	
Harmonised Standard	No harmonised standard available to date
Alternative standards	NFE 32.100
Other Directive	73/23/CEE – 89/336/CCE

General Characteristics	
Model incinerator	INC-DEO 20000
Plant Function	Foul air deodorising
Maximum delivery air to be treated	20,000 kg/h
Design temperature in combustion chamber	950°C
Chamber Volume	100 m <sup>3</sup>
Burner nominal power	13.5 MKCal/h
Voltage power supply	400 V
Power supply frequency	50 Hz
Installed electric power	35 kW
Kind of installation	Internal

Maximum noise level	85 db(A) a 1m
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<b>Effluent to be Treated</b>	
<b>From Continuous Cooker</b>	
Average effluent flowrate	13,000kg/h
Design temperature	104°C
Pollutant	Fat from rendering
<b>From Steriliser and Presses</b>	
Peak effluent flowrate	7,000 kg/h
Design temperature	104°C
Pollutant	Odour from rendering

Reference oxygen from spec: The design oxygen was 8.4% dry and 4.3% wet. We reference all our results to 17% as requested by EPA.

Discharge height: 40 meters.

Grid Reference: E262131, N112135.

Max volume/hr: 150,000m<sup>3</sup>/hr.