



International
Waste Industries

IWI SYSTEMS SURVEY FORM

This survey is an important guide to selecting the correct IWI system. It will enable us to make a proper recommendation. Please answer all questions to the best of your ability. Please contact IWI if you have any questions about the form.

Prepared By: _____ Date: _____

Facility: _____ Project Number: _____

Phone: _____ Email: _____

I. INFORMATION ABOUT THE WASTE TO BE BURNED:

(Check all that apply)

Source: Industrial Commercial Office Municipal Medical

Nature: General Hazardous Pathological Other: _____

Note: If more than one Source and/or Nature from above is selected, please provide the approximate percentage in the "Notes" section at the end of the form.

What is the largest object to be burned? (SIZE) _____

How much waste per day? _____ lbs/day kg/day (choose one)

How is present waste handled? (check all that apply)

Carts Conveyors Hoist and Grapple Other: _____

Waste type number (see attached "Type of Waste" classification sheet):
(Check all that apply)

0 1 2 3
4 5 6 Other: _____

Note: If more than one waste type from above is selected, please provide the approximate percentage in the "Notes" section at the end of the form.

Average heating value of the waste: _____ Kilocalories per kilogram

_____ BTUs per pound

_____ Kilojoules per kilogram

Liquid injection: Is liquid waste to be burned concurrently with solid waste? Yes No

II. DESIGN REQUIREMENTS FOR THE UNIT:

Operation: Hours/Day:_____ Days/Week:_____ Weeks/Year:_____

Amount of Waste to Burn/24 Hours: _____Metric Tons _____Short Tons

Waste loading (*choose one*): Manual (up to 1,000 lbs/day) Automatic

Ash removal (*choose one*): Manual (up to 8 hours per day operation)

Automatic dry ash removal

Automatic wet ash removal (Recommended)

Primary chamber operating temperature (*choose one*): _____ °C _____ °F

Secondary chamber retention time:_____ Seconds

Secondary chamber operating temperature (*choose one*):_____ °C _____ °F

Auxiliary fuel (*choose one*): Natural Gas Diesel Oil L.N.G.

Propane Other:_____

Heat recovery: Yes No

If yes: Steam Hot Water Electricity Other: _____

Air emission compliance: **Submit details of Local Air Quality Regulations.**

Select one: US EPA European STD

Stack height: Minimum Height (from the ground):_____ Feet Meters (*choose one*)

III. ADDITIONAL INFORMATION:

Electric power:_____phase_____volts_____Hertz

Potable water available: Volume/Hour_____liters_____gallons

Unit to be installed (*choose one*): Indoors Outdoors

Unit to be installed by (*choose one*): Manufacturer Purchaser

Drawings and documents: ***Please submit sketches, drawings, information regarding installation, site and dimensions if installing in an existing building.***

NOTES

(Please provide additional comments below)

Please email completed form to info@iwisystems.com

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TYPES OF WASTE

- Type 0 - 8500 BTU/#. TRASH. A mixture of highly combustible waste, such as paper, cardboard, wood and floor sweepings from commercial and industrial activities. Contains up to 10% by weight of petrochemical waste, 10% moisture and 5% non-combustible solids.
- Type 1 - 6500 BTU/#. RUBBISH. A mixture of combustible waste, such as paper, cardboard, wood foliage and floor sweepings from domestic, commercial and industrial activities. Contains up to 20% by weight of restaurant waste but little or no petrochemical wastes. Moisture content is up to 25% with 10% non-combustible solids.
- Type 2 - 4300 BTU/#. REFUSE. An evenly distributed mixture of rubbish and garbage as usually found in as received municipal waste. Contains up to 50% moisture and 7% non-combustible solids.
- Type 3 - 2300 BTU/pound. GARBAGE. Animal and vegetable wastes from hotels, markets, institutional, commercial, and club sources. Contains up to 70% moisture and 5% non-combustible solids.
- Type 4 - 1000 BTU/#. HUMAN AND ANIMAL REMAINS. Consists of carcasses, organs, and solid organic wastes from hospitals, laboratories, abattoirs, animal pounds, and similar sources. Contains up to 85% moisture and 5% non-combustible solids.
- Type 5 - GASEOUS, LIQUID OR SEMI-LIQUID WASTE. Industrial wastes provide composition, heat content and moisture content.
- Type 6 - SEMI-SOLID AND SOLID WASTE. Miscellaneous waste including sludges. Provide composition, heat content, and moisture content.
- Other - MIXTURES OF WASTE. Provide composition, heat content and moisture content.