



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. This is a fillable PDF, please type your answers.

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 [sales@iwisystems.com](mailto:sales@iwisystems.com)**

**International Waste Industries**  
7811 Montrose Road, Suite 250  
Potomac, MD 20854, USA  
Tel: +1 301-975-0050

## **TYPES OF WASTE**

Type 0	<b><u>8500 BTU/#. TRASH.</u></b> 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	<b><u>6500 BTU/#. RUBBISH.</u></b> 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	<b><u>4300 BTU/#. REFUSE.</u></b> 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	<b><u>2300 BTU/pound. GARBAGE.</u></b> Animal and vegetable wastes from hotels, markets, institutional, commercial, and club sources. Contains up to 70% moisture and 5% non-combustible solids.
Type 4	<b><u>1000 BTU/#. HUMAN AND ANIMAL REMAINS.</u></b> 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	<b><u>GASEOUS, LIQUID OR SEMI-LIQUID WASTE.</u></b> Industrial wastes provide composition, heat content and moisture content.
Type 6	<b><u>SEMI-SOLID AND SOLID WASTE.</u></b> Miscellaneous waste including sludges. Provide composition, heat content, and moisture content.
Other	<b><u>MIXTURES OF WASTE.</u></b> Provide composition, heat content and moisture content.