

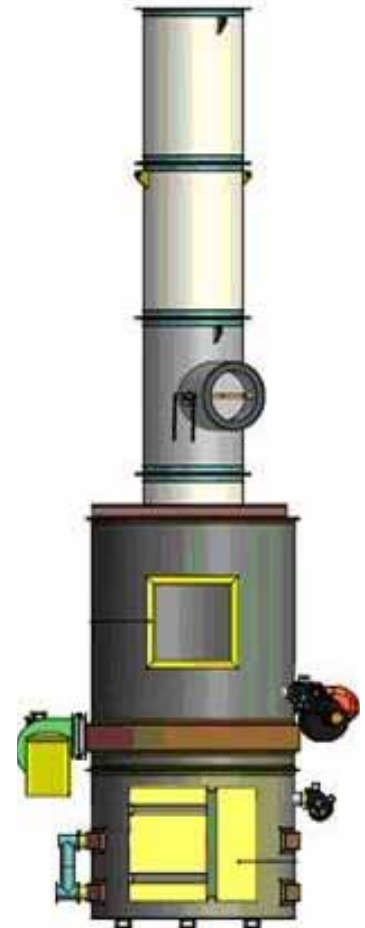


# Fact Sheet: Technical Document for Batch Waste Incineration

The *Technical Document for Batch Waste Incineration* provides guidance for owners, operators and regulators on the appropriate incineration technologies and best management practices to minimize releases of toxic substances into the environment.

## Six Steps to Better Incineration

- 1 Understand Your Waste Stream
- 2 Select the Appropriate Incinerator (or Evaluate the Existing System)
- 3 Properly Equip and Install the Incinerator
- 4 Operate the Incinerator for Optimum Combustion
- 5 Safely Handle and Dispose of Incinerator Residues
- 6 Maintain Records and Report



For more information, please see the complete document at:  
[www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1](http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1)

Contact information:  
[ec.drgd-wrmd.ec@canada.ca](mailto:ec.drgd-wrmd.ec@canada.ca) or 1-844-524-5289

Credit for figure:  
Eco Waste Solutions

# More Details About the Six-Step Process for Batch Waste Incineration

**1**

## **Understand Your Waste Stream**

The first step in managing your waste is understanding what the waste is. Perform a waste audit to understand its quantity and composition. Based on the results, you can assess what appropriate disposal options should be undertaken. Remember the “3Rs”: Reduce, Reuse and Recycle.

**2**

## **Select the Appropriate Incinerator (or Evaluate the Existing System)**

To ensure that a suitable incinerator is chosen, the call for proposals for incinerator manufacturers who want to provide service for you should include specific information on the characteristics of the residual waste stream you need to dispose of. For facilities with existing incinerators, owners/operators should reassess the suitability of the existing system to manage the current waste stream. The recommended configuration is a dual chamber controlled air incinerator.

**3**

## **Properly Equip and Install the Incinerator**

Make sure that building and equipment considerations are well planned during the design phase, before installing the incinerator.

**4**

## **Operate the Incinerator for Optimum Combustion**

To ensure optimum combustion conditions, the incinerator must be operating correctly. Proper operation includes separating the waste, weighing it, mixing it for a specified calorific value, and closing the incinerator door once the waste is loaded, and not re-opening it until the burn is complete. Important considerations such as appropriate operator safety training should be completed.

**5**

## **Safely Handle and Dispose of Incinerator Residues**

Ash from the primary chamber of the incinerator can contain materials that are hazardous to the operator’s health and to the environment. Operators should use personal protective equipment when handling this material. The ash should be disposed of at an approved disposal site.

**6**

## **Maintain Records and Report**

To demonstrate appropriate operation and maintenance of the incinerator, the facility must maintain records and prepare an annual report.

**For more information, please see the complete document at:**  
[www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1](http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1)

**Contact information:**

[ec.drgd-wrmd.ec@canada.ca](mailto:ec.drgd-wrmd.ec@canada.ca) or 1-844-524-5289

Cat. No.: En14-17/3-2011E-PDF

ISBN: 978-1-100-17784-7

Photos: © Photos.com – 2011

For information regarding reproduction rights, please contact Public Works and Government Services Canada at 613-996-6886 or at [droitdauteur.copyright@tpsgc-pwgsc.gc.ca](mailto:droitdauteur.copyright@tpsgc-pwgsc.gc.ca)

© Her Majesty the Queen in Right of Canada, represented by the Minister of the Environment, 2011  
Aussi disponible en français