

Declaration for ZDHC Sludge Disposal Pathway A
(Sludge sent to onsite or offsite incineration operated at temperatures greater than or equal to 1000°C. The ash generated by the incineration process must be disposed of using one of the other ZDHC Disposal Pathways)

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Facility name: _____

ZDHC Gateway ID: _____

Location: _____

Onsite or offsite incineration (please specify): _____

The undersigned entity declares the following:

- Our sludge is disposed of to your incineration (or thermal treatment or waste-to-energy) facility, and that the incineration facility receives our sludge and processes it through the incineration facility.
- That the incineration facility holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility is-legally-allowed to operate and accept the reference sludge and process it through the incineration facility. (Provide copies of the documentation.)

We also declare the following information based on the inputs received from the incineration facility where our sludge is disposed and that this information is true and accurate to the best of our knowledge:

Incineration temperature: _____ degrees.

Dwell time of sludge in the combustion zone: _____

Percentage of total incinerator throughput represented by the Supplier's sludge: _____

Flue gas treatment steps: _____

Use of the heat generated by the incineration process: _____

Disposal pathway (method) utilized for the ash from the incineration process: _____

On behalf of the named entity below, the undersigned hereby declares that the information provided above is true and accurate.

(Signature)

Name and designation of authorised signatory from the entity:

Name and location of the incineration facility:

Date:

Note:- In case of onsite incineration please get the required details from your incineration plant. In case of offsite incineration please get the required details from the external incineration unit.

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Declaration for ZDHC Sludge Disposal Pathway B

(Sludge sent to Landfills with Significant Control Measures)

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

- Our sludge is disposed of in a Landfill with Significant Control Measures.
- That the Landfill with Significant Control Measures facility holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and dispose of it in the Landfill. (Provide copies of the documentation.)

We also declare the following information based on the information received from the Landfill facility where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:

Name and address of Landfill facility: _____

Material composition of the liner and thickness (cm): _____

Permeability of the liner (cm/sec): _____

Description of Leachate collection, treatment, and disposal practices and

process: _____

Description of installed leak detection system: _____

Description of gas collection system and disposition of collected gas: _____

Description of monitoring and documentation process for landfill operation: _____

Description of daily and permanent landfill cover practices: _____

(Signature)

Name and designation of authorised signatory from the manufacturing facility:

Date:

Description of Landfill with Significant Control Measures:

Landfills with Significant Control Measures are landfills that control both leachate and gas produced from the materials placed in the landfill and are engineered to store waste in a manner that is safe to the surrounding environment. For purposes of the WW Guideline, significant control measures are defined as:

- Lined landfill such that the permeability of no more than 1×10^{-7} cm/sec is achieved. This is most often achieved using a synthetic composite liner on top of a packed natural clay liner but can also be achieved through two synthetic liners.
 - Leachate is collected above the liner and removed for proper treatment and disposal. Leak detection and collection is implemented beneath the primary liner and above the secondary liner.
 - Gas produced from aerobic and anaerobic decomposition is collected and safely used or disposed of. This gas is primarily carbon dioxide or methane but can include sulphurous compounds. Depending on the content of the gas, carbon dioxide can be vented directly to the atmosphere or collected, filtered, and used beneficially.
 - Monitoring and documentation are maintained for the life of the landfill.
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Declaration for ZDHC Sludge Disposal Pathway C

**(Sludge sent to Building Products manufacturing processes operated at temperatures greater than or equal to 1000°C. The ash generated by the incineration process must be incorporated into the building product.)
Examples of Building Products in this category can include: concrete, concrete aggregates, ceramics, brick, mortar, stucco, grout, and more).**

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

· Our sludge is disposed of in a Building Products manufacturing process operated at temperatures of 1000 C or greater, and that the facility receives our sludge and processes it through their Building Products manufacturing facility.

· That the Building Products manufacturing facility holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and process it through the facility. (Provide copies of the documentation.)
We also declare the following information based on the information received from the facility where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:

Name and address of Building Products manufacturing facility: _____

Operating temperature and dwell time of the sludge in the Building Products manufacturing process: _____

Description of the Building Products being manufactured: _____

Use of the Building Products being manufactured: _____

Flue gas treatment steps for the process: _____

Percentage of total Building Products process mass inputs represented by the sludge: _____

(Signature)

Name and designation of authorised signatory from the textile manufacturing facility:

Date:

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Declaration for ZDHC Sludge Disposal Pathway D

(Sludge sent to Landfills with Limited Control Measures. A description of Landfills with Limited Control.)

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

- Our sludge is disposed of in a Landfill with Limited Control Measures.
- That the Landfill with Limited Control Measures facility holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and dispose of it in the Landfill. (Provide copies of the documentation.)

We also declare the following information based on the information received from the Landfill facility where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:

Name and address of Landfill facility: _____

Material composition of the liner and thickness (cm): _____

Permeability of the liner (cm/sec): _____

Description of Leachate collection, treatment, and disposal practices and process: _____

Description of installed leak detection system: _____

Description of gas collection system and disposition of collected gas: _____

Description of monitoring and documentation process for landfill operation: _____

Description of daily and permanent landfill cover practices: _____

(Signature)

Name and designation of authorised signatory from the manufacturing facility:

Date:

Description of Landfill with Limited Control Measures:

Landfills with Limited Control Measures are landfills that have some control measures in place, but the control measures do not meet one or more of the following minimum requirements:

- Lined landfill such that the permeability of no more than 1×10^{-7} cm/sec is achieved.
- Leachate is collected above the liner and removed for proper treatment and disposal. Leak detection and collection is implemented beneath the primary liner and above the secondary liner.
- Gas produced from aerobic and anaerobic decomposition is collected and safely used or disposed of.
- Monitoring and documentation are maintained for the life of the landfill.

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Declaration for ZDHC Sludge Disposal Pathway E

(Sludge sent to Offsite Incineration facilities or to Building Products manufacturing processes operated at temperatures less than 1000°C. The ash generated by the incineration process must be disposed of via one of the other ZDHC Disposal Pathways or incorporated into the building product.)

Examples of Building Products in this category can include: concrete, concrete aggregates, ceramics, brick, mortar, stucco, grout, and more.

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

- Our sludge is disposed of in an incinerator (or thermal treatment or waste-to-energy) or in a Building Products manufacturing process operated at temperatures of 1000 C or greater.
- That the incinerator or Building Products manufacturing facility holds the required legal license / authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and process it through the facility. (Provide copies of the documentation.)

We also declare the following information based on the information received from the facility where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:

Name and address of Building Products manufacturing facility (mark n/a if disposed of in Incinerator and go to that section below):

Operating temperature and dwell time of the sludge in the Building Products manufacturing process:

Description of the Building Products being manufactured: _____

Use of the Building Products being manufactured: _____

Flue gas treatment steps for the process: _____

Percentage of total Building Products process mass inputs represented by the sludge: _____

Name and address of Incineration facility (mark n/a if disposed of in Building Products manufacturing facility): _____

Incineration temperature: _____

Dwell time of sludge in the combustion zone: _____

Percentage of total incinerator throughput represented by the Supplier's sludge: _____

Flue gas treatment steps: _____

Use of the heat generated by the incineration process: _____

Disposal pathway utilized for the ash from the incineration process: _____

(Signature)

Name and designation of authorised signatory from the textile manufacturing facility:

Date:

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Declaration for ZDHC Sludge Disposal Pathway F
(Sludge sent to Landfills with No Control Measures)

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

- Our sludge is disposed of in a Landfill with No Control Measures.
- That the Landfill with No Control Measures facility holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and dispose of it in the Landfill. (Provide copies of the documentation.)

We also declare the following information based on the information received from the Landfill facility where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:

Name and address of Landfill facility: _____

Description of the construction method and design characteristics of the landfill: _____

Description of monitoring and documentation process for landfill operation: _____

Description of daily and permanent landfill cover practices: _____

(Signature)

Name and designation of authorised signatory from the manufacturing facility:

Date:

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Declaration for ZDHC Sludge Disposal Pathway G

(Sludge sent to Land for approved areas for specific purposes)

Reference: ZDHC Sludge Reference document V1.0 and ZDHC Wastewater Guidelines

Manufacturing facility name: _____

ZDHC Gateway ID: _____

Location: _____

The undersigned manufacturing facility representative declares the following:

- Our sludge is disposed of via Land Application.
- That the Landfill Application facility or site holds the required legal license/authorisation to operate /permit/ other similar documentation that allows the facility to operate and accept the reference sludge and dispose of it via Land Application at the site. (Provide copies of the documentation.)

We also declare the following information based on the information received from the Land Application facility or site where our sludge is disposed of and that this information is true and accurate to the best of our knowledge:
Name and address of Land Application facility or Site:

Test data and documentation showing that the site benefits from the application of the sludge: _____

Documentation showing the approved and the actual rate of sludge application: _____

Description of buffer zones around the land application sites: _____

Description of the monitoring and documentation process for the land application sites, including soil and groundwater monitoring and data: _____

Description of the use of the sites on which the land application occurs: _____

(Signature)

Name and designation of authorised signatory from the manufacturing facility:

Date:

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