

Ability as an Operator

The TEGCO Immingham Ltd Installation at Netherlands Way, Stallingborough, Grimsby, DN41 8DF is an Energy from Waste (EfW) process. The installation is designed to consume 320,000 Te/yr of Refuse Derived Fuel (RDF) based on 10 MJ/kg (LHV), producing: -

- 12 MW electrical export,
- 51 MW thermal export (60 Te/hr) as steam (no condensate return).

The installation is a Combined Heat & Power (CHP) plant sized and is designed to replace the steam and electricity currently generated by an existing CHP plant on an adjacent industrial plant. The existing CHP plant is reaching the end of its operational life and will be decommissioned when the installation is operational.

The need to continue to take waste in the event that steam and/or electricity cannot be exported (e.g. customer is shutdown), the installation is designed such that all steam generated at normal waste feed can pass through the turbine and condenser resulting in 24 MW electrical export.

A proportion of the RDF is sourced from local waste management companies and transported to the installation by road. The remaining is sourced from further afield and transported by rail to 1 of 2 local railheads and the final transfer from the railhead to the installation is by road.

The installation will operate continuously (24 hr/day & 7 day/week) for >8,000 hr/yr.

The installation consists of 2 off 20 Te/hr incineration lines (combustor, boiler & feed-water system) and a single turbine and air cooled condenser.

The installation is designed not to generate any waste water from the process during normal operation.

The installation is designed to be fully compliant with the 2019 European BREF for Waste Incineration (JRC 118637) and the associated BAT Conclusions published in the Official Journal of the European Union on 3rd December 2019.

Question 3

3a Relevant Offenses

None.

3b Relevant Offenses

Applies to “Relevant Waste Operations” only, from EPR (2016), Regulation 35(2) (c), SCHEDULE 9 Waste Operations: -

“relevant waste operation” means—

- (a) a waste operation that is not carried on at an installation or by means of Part A mobile plant or Part B mobile plant, or
- (b) a specified waste management activity.

“specified waste management activity” means one of the following activities—

- (a) the disposal of waste in a landfill falling within Section 5.2 of Part 2 of Schedule 1;
- (b) the disposal of waste falling within Section 5.3 of Part 2 of Schedule 1;
- (c) the recovery of waste falling within Part A(1)(c)(i), (ii), (v) or (vii) of Section 5.4 of Part 2 of Schedule 1.

The installation falls within Section 5.1 of Part 2 of Schedule 1 “Incineration and co-incineration of waste.”
Therefore: -

- 1) The activity is not a “specified waste management activity.”
- 2) The operation is not a “relevant waste operation”

Therefore question 3b does not apply.

3c Finances

There have been and are no insolvency or bankruptcy proceedings against the applicant or any relevant person, or any company in which they were a relevant person.

3d Management systems (all)

Installation will be operated under an ISO 14001 Management System.

The operation of the installation will be via a contract operator (Fortum City Solutions).

The contractor operator currently operates (under contract or as “Operators/Permit Holders) a number of similar installations in UK and Europe.”

As contract operator they will provide all relevant staff and management systems etc.

Evidence of ISO 14001, ISO 9001 & ISO 45001 certifications are included in Appendix 1.

Ability as an Operator

Appendix 1

- 1. Fortum City Solutions ISO 14001 Certificate**
- 2. Fortum City Solutions ISO 9001 Certificate**
- 3. Fortum City Solutions ISO 45001 Certificate**

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
95142-2011-AE-FIN-FINAS

Initial certification date:
11 October 1999

Valid:
01 January 2021 - 31 December 2023

This is to certify that the management system of

Fortum City Solution Division Fortum Power and Heat Oy Fortum Sverige Ab

Keilalahdentie 2-4, 02150 Espoo, Finland
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:

**Energy production and distribution, sales of district heat and cooling,
management of assets and investments as well as O&M and expert services
and other products for energy producers.**

Place and date:
Espoo, 09 December 2020



For the issuing office:
DNV GL - Business Assurance
Keilasatama 5, 02150 Espoo, Finland

Kimmo Haarala
Management Representative

Certificate No: 95142-2011-AE-FIN-FINAS
Place and date: Espoo, 09 December 2020

Appendix to Certificate

Fortum City Solution Division, Fortum Power and Heat Oy, Fortum Sverige Ab

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Fortum City Solution Division, Fortum Power and Heat Oy, Fortum Sverige Ab	Keilalahdentie 2-4, 02150 Espoo, Finland	Energy production and distribution, management of assets and investments as well as O&M and expert services and other products for energy producers.
Fortum City Solutions (Suomenoja, Espoo)	Hylkeenpyytäjantie 4, 02270 Espoo, Finland	Energy production and distribution, management of assets and investments as well as O&M.
Fortum City Solutions (Naantali)	Lisenssikatku 13, 21100 Naantali, Finland	Service and modernization of turbines and generators.
Fortum City Solutions (Västerås)	Terminalvägen 26, SE-721 36, Västerås, Sweden	Service and modernization of turbines and generators.
Fortum Sverige Ab	Rättarvägen 3, 16968, Solna, Sweden	Sales office.

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
95141-2011-AQ-FIN-FINAS

Initial certification date:
20 June 1996

Valid:
01 January 2021 - 31 December 2023

This is to certify that the management system of

Fortum City Solution Division Fortum Power and Heat Oy Fortum Sverige Ab

Keilalahdentie 2-4, 02150 Espoo, Finland
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:

**Energy production and distribution, sales of district heat and cooling,
management of assets and investments as well as O&M and expert services
and other products for energy producers.**

Place and date:
Espoo, 09 December 2020



For the issuing office:
DNV GL - Business Assurance
Keilasatama 5, 02150 Espoo, Finland

Kimmo Haarala
Management Representative

Certificate No: 95141-2011-AQ-FIN-FINAS
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Fortum Sverige Ab	Rättarvägen 3, 16968, Solna, Sweden	Sales office.

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
95145-2011-AHSO-FIN-FINAS

Initial certification date:
31 December 2007

Valid:
01 January 2021 - 31 December 2023

This is to certify that the management system of

Fortum City Solution Division Fortum Power and Heat Oy Fortum Sverige Ab

Keilalahdentie 2-4, 02150 Espoo, Finland
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System
standard:

ISO 45001:2018

This certificate is valid for the following scope:

**Energy production and distribution, sales of district heat and cooling,
management of assets and investments as well as O&M and expert services
and other products for energy producers.**

Place and date:
Espoo, 09 December 2020

For the issuing office:
**DNV GL - Business Assurance
Keilasatama 5, 02150 Espoo, Finland**




Kimmo Haarala
Management Representative

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