

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Viridor Waste Management Limited
Beddington Energy Recovery Facility
(ERF)
Beddington Lane
Croydon
CR0 4TD

Variation application number

EPR/TP3836CT/V004

Permit number

EPR/TP3836CT

Beddington Energy Recovery Facility

Permit number EPR/TP3836CT

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

This variation authorises the installation to increase throughput from a maximum of 302,500 tonnes of waste per year to a maximum of 347,422 tonnes of waste per year in two incineration lines of a mass burn moving grate design. There is no change to the original design capacity of the incinerator and this reflects the potential for the burning of a higher tonnage of waste at a lower calorific value. There is no change to the maximum hourly throughput which is 19.83 tonnes per hour of waste per line.

Waste will be delivered to the facility by road in covered vehicles or containers and tipped within the main building in the waste reception hall directly into the waste bunker. The waste is stored and mixed in the waste bunker prior to being burnt in the moving grate incinerators. The waste reception hall is equipped with rapid action roller shutter doors for vehicle access and egress, and operates under slight negative pressure relative to the external environment as a result of the extraction of combustion air for the incineration process.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/TP3836CT/A001	Duly made 17/08/2012	Application for Incineration Plant.
Schedule 5 - Additional information received	12/10/2012	Clarification on a number of waste codes, and details of shutdown procedure.
Schedule 5 - Additional information received	Document dated 31/10/2012 received on 4/11/2012	Revised Noise Impact Assessment & Air Quality assessment on the impact of NO ₂ at sensitive receptors, greenhouse gas assessment, and confirmation of site boundary.
Additional information received	10/12/2012	Air Quality assessment on the impact of NO ₂ at sensitive receptors - A Case Specific Calculation of the Additional NO ₂ Concentration for a Receptor at the Beddington Lane/Brookmead Road Junction.
Additional information received	31/01/2013	Revised noise risk assessment; revised Air Quality Assessment on the Impact of NO ₂ at Sensitive Receptors.
Additional information received	01/03/2013	Revised noise risk assessment; revised Air Quality Assessment on the Impact of NO ₂ at Sensitive Receptors.
Additional information received	14/03/2013	Short term assessment of metals & abnormal emissions.
Additional information received	20/03/2013	Final - revised Air Quality & BAT Assessment on

Status log of the permit		
Description	Date	Comments
		the Impact of NO2 at Sensitive Receptors – supersedes all previous submissions.
Additional information received	08/04/2013	Clarification on Abnormal emission.
Permit determined EPR/TP3836CT/A001	23/07/2013	Permit issued to Viridor Waste Management Limited.
Variation application EPR/TP3836CT/V002	Duly made 17/08/2018	Application to vary the CO emission limit and monitoring reference period. Agency initiated variation to add FPP conditions.
Variation determined EPR/TP3836CT	18/01/2019	Variation notice issued.
Notified of change of Company Registered Office Address	23/07/2020	Registered office address changed to Viridor House, Priory Bridge Road, Taunton, Somerset, TA1 1AP.
Variation issued EPR/TP3836CT/V003	09/10/2020	Varied permit issued to Viridor Waste Management Limited.
Variation application EPR/TP3836CT/V004	Duly made 14/10/2020	Application to increase the throughput of waste to the incinerator.
Variation determined EPR/TP3836CT (Billing Reference: GP3409LP)	09/12/2020	Variation notice issued.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/TP3836CT

Issued to

Viridor Waste Management Limited ("the operator")

whose registered office is

**Viridor House
Priory Bridge Road
Taunton
Somerset
TA1 1AP**

company registration number 00575069

to operate a regulated facility at

**Beddington Energy Recovery Facility
(ERF)
Beddington Lane
Croydon
CR0 4TD**

to the extent set out in the schedules.

The notice shall take effect from 09/12/2020.

Name	Date
Louise Hann	09/12/2020

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator:

Table S1.2 referred to in condition 2.3.1 is amended as follows:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/TP3836CT	Parts B2 and B3 of the Application Form. The Supporting Information Document including associated Annex sections. Responses to questions 1, 4 and 5 of the Not Duly Made letter.	Duly made 17/08/2012
Response to Schedule 5 Information Request Notice issued 05/10/12	Responses to questions 2, 3, 4 and 5.	12/10/2012
Response to Schedule 5 Notice dated 08/11/2012	Response to question 1 – noise impact assessment	21/11/2012
Additional information	Noise Impact Assessment	04/03/2013
Additional Information	Short term assessment of metals & abnormal emissions revised assessment	14/03/2013
Additional Information	Report S1190-0900-0014JRS – Final - revised Air Quality Assessment on the Impact of NO ₂ at Sensitive Receptors – supersedes all previous submissions.	30/03/2013
Additional Information	Clarification on abnormal emission for short term assessment of metals	08/04/2013
Variation application EPR/TP3836CT/V004	Parts C2 and C3 of the Application Form and document 'Supporting Information - EP Variation', dated 08/10/2020.	14/10/2020

Table S2.2 referred to in condition 2.3.3 is amended as follows:

Table S2.2 Permitted waste types and quantities for incineration.	
Maximum quantity	Maximum quantity 347,422 tonnes per annum in total and 19.83 tonnes per line per hour
Waste code	Description
02 Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing	
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing.
02 01 03	Plant tissue waste
02 01 04	Waste plastic (except packaging)
02 01 07	Wastes from forestry
02 01 09	Agrochemical waste other than those mentioned in 02 01 08*
02 03	wastes from fruit, vegetable, cereal or other vegetable origin material preparation and processing

Table S2.2 Permitted waste types and quantities for incineration.	
Maximum quantity	Maximum quantity 347,422 tonnes per annum in total and 19.83 tonnes per line per hour
Waste code	Description
02 03 04	Materials unsuitable for consumption or processing
02 05	wastes from the dairy products industry
02 05 01	Materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionery industry
02 06 01	Materials unsuitable for consumption or processing
02 06 02	Wastes from preserving agents
03 Wastes from Wood Processing and the Production of Panels and Furniture, Pulp, paper and Cardboard.	
03 01	wastes from wood processing and the production of panels and furniture.
03 01 01	Waste bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04*.
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	Waste bark wood
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
04 Wastes from the Leather, Fur and Textile Industries	
04 02	wastes from the textile industry
04 02 09	Wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	Organic matter from natural products (eg. grease, wax)
04 02 21	Wastes from unprocessed textile fibres
04 02 22	Wastes from processed textile fibres
07 Wastes from Organic Chemical Processes	
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY	
09 01	wastes from the photographic industry
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
12 Wastes from Shaping and Physical and Mechanical Surface Treatment of Metals and Plastics	
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 05	plastics shavings and turnings
15 Waste Packaging, Absorbants, Wiping Cloths, Filter Materials and Protective Clothing not otherwise specified	
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 05	Composite packaging

Table S2.2 Permitted waste types and quantities for incineration.	
Maximum quantity	Maximum quantity 347,422 tonnes per annum in total and 19.83 tonnes per line per hour
Waste code	Description
15 01 06	Mixed packaging
15 01 09	Textile packaging
15 02	<i>absorbants, filter materials, wiping cloths and protective clothing</i>
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02*
16 Wastes Not Otherwise Specified in the List	
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08
16 01 19	plastic
17 Construction and Demolition Wastes (including excavated soil from contaminated sites)	
17 02	<i>wood, glass and plastic</i>
17 02 01	Wood
17 02 03	Plastic
17 09	<i>other construction and demolition wastes</i>
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*
18 Wastes from Human or Animal Health Care and/or Related Research (except kitchen and restaurant wastes not arising from immediate health care)	
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, diapers)
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 09	medicines other than those mentioned in 18 01 08
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	chemicals other than those mentioned in 18 02 05
18 02 08	medicines other than those mentioned in 18 02 07
19 Wastes from Waste Management Facilities, Off-Site Waste Water Treatment Plants and the Preparation of Water for Human Consumption and Water for Industrial Use	
19 02	<i>wastes from the physiochemical treatments of waste (including dechromatation, decyanidation, neutralization)</i>
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08* and 19 02 09*
19 03	stabilised/solidified wastes
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 05	<i>wastes from aerobic treatment of solid wastes</i>
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 04	digestate from anaerobic treatment of municipal waste

Table S2.2 Permitted waste types and quantities for incineration.	
Maximum quantity	Maximum quantity 347,422 tonnes per annum in total and 19.83 tonnes per line per hour
Waste code	Description
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 10	wastes from shredding of metal-containing wastes
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 12	wastes from the mechanical treatment of waste (eg. sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	Paper and cardboard
19 12 04	Plastic and rubber
19 12 07	Wood other than that mentioned in 19 12 06*
19 12 08	Textiles
19 12 10	Combustible waste (refuse derived fuel)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11*
20 Municipal Wastes (Household Waste and Similar Commercial, Industrial and Institutional Wastes)	
20 01	separately collected fractions (except 15 01)
20 01 01	Paper and cardboard
20 01 08	Bio-degradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27*
20 01 30	detergents other than those mentioned in 20 01 29*
20 01 32	medicines other than those mentioned in 20 01 31*
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21*, 20 01 23* and 20 01 35*
20 01 38	Wood other than that mentioned in 20 01 37* (i.e. other than that containing dangerous substances)
20 01 39	Plastics
20 02	garden and park wastes (including cemetery waste)
20 02 01	Bio-degradable wastes
20 03	other municipal wastes
20 03 01	Mixed municipal wastes
20 03 02	Wastes from markets
20 03 03	Street cleaning residues
20 03 06	waste from sewage cleaning
20 03 07	Bulky waste

Schedule 3 – conditions to be added

None