

Permit Reference Number : YP3033BE  
Installation:Edmonton EFW Plant

Reporting of performance data

Operator:LondonWaste Ltd.  
Year: 2016

Table S4.1: Annual Production/Treatment

Total waste incinerated	547721
Clinical waste incinerated	664 tonnes
MW of Electricity produced	291494

Table S4.2: Performance parameters

Parameter	Frequency of Assessment	Performance Indicator
MW of electricity/tonne of waste incinerated	Quarterly	MW per tonne of waste incinerated
	Q1	0.536
	Q2	0.535
	Q3	0.539
	Q4	0.517

Signed: Nazneem Grogan

Dated: 24th January 2017

Installation: Edmonton EFW Plant

Form No : Energy1

Reporting of Energy Usage for the year 2016

Energy Source	Energy Usage			Trends in Energy Usage			
	Quantity	Primary Energy (MWh)	CO <sub>2</sub> Produced (tonnes)	Year	Parameter		CO <sub>2</sub> per tonne of waste burned
					Primary Energy Usage MWh	CO <sub>2</sub> Produced(tonnes)	
				2012	114429	46014	0.084
Imported Electricity*	58.69	152.59	65.6	2013	105043	42261	0.080
Natural Gas		17448	3315	2014	115312	45152	0.080
Electricity usage	37672	97947	42117	2015	109355	43857	0.081
				2016	115548	45498	0.083
* Conversion factor for delivered electricity to primary energy= 2.6							

Operator's comments: None

Signed: Nazneem Grogan

Date: 24th January 2017

reporting of waste disposal and recovery for the same year

Installation: Edmonton EIW Plant

Operator : LondonWaste Ltd.

Form No : WR1

Reporting of Waste Disposal and Recovery for the year 2016

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
EP and Bag filler dust	Treatment Facility	18243	
Total hazardous wastes		18243	0
2) Non- Hazardous Wastes			
Ash/clinker	Ballast Phoenix		104633
Waste Metal	Metal Recycler		21254
Rejected Ash /clinker from Ballast Phoenix	Landfill	12697	
Total non- hazardous wastes		12697	125887
Total Waste		30940	125887

Year	Trends In Waste Disposal and Recovery			Waste per tonne of waste burned
	Named Waste	Total Waste		
2013	Hazardous	17754		0.03
2013	Non Hazardous	130560		0.25
2013	Recovery	123391		0.23
2014	Hazardous	19259		0.03
2014	Non Hazardous	142137		0.25
2014	Recovery	133126		0.24
2015	Hazardous	17460		0.03
2015	Non Hazardous	136157		0.25
2015	Recovery	127944		0.24
2016	Hazardous	18243		0.03
2016	Non Hazardous	138584		0.25
2016	Recovery	125887		0.23

Operator's comments: None

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Date 24th January 2017

Permit Reference Number : YP3033BE

Operator : LondonWaste Ltd.

Installation: Edmonton EfW Plant

Form Number : Mass1  
Year 2016

SUBSTANCE	Release points	ACTUAL RELEASE	Units (tonne,kg,etc.)
Particulate Matter	A1 & A2	2.45	tonne
Volatile organic compounds expressed as Carbon /TOC	A1 & A2	1.74	tonne
Carbon Monoxide	A1 & A2	81.23	tonne
Sulphur Dioxide	A1 & A2	82.73	tonne
Oxides of Nitrogen expressed as NO <sub>2</sub>	A1 & A2	601.7	tonne
Hydrogen Chloride	A1 & A2	14.63	tonne
Hydrogen fluoride	A1 & A2	0.094	tonne
Ammonia	A1 & A2	24.14	tonne
Nitrous Oxide	A1 & A2	49.70	tonne
Dioxins and Furans expressed as I-TEQ	A1 & A2	0.0000132	kg
Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V (total)	A1 & A2	0.460	tonne
Cadmium,Thallium	A1 & A2	0.003	tonne
Mercury	A1 & A2	0.007	tonne
Dieldrin	S1	0.0	kg
Gamma- Hexachlorocyclohexane	S1	0.0	kg
Polychlorinated biphenyl 28	S1	0.0	kg
Polychlorinated biphenyl 52	S1	0.0	kg
Polychlorinated biphenyl 101	S1	0.0	kg
Polychlorinated biphenyl 118	S1	0.0	kg
Polychlorinated biphenyl 153	S1	0.0	kg
Polychlorinated biphenyl 138	S1	0.0	kg
Polychlorinated biphenyl 180	S1	0.0	kg
Trifluralin	S1	0.0	kg
Hexachlorobenzene	S1	0.0	kg
Hexachlorobutadiene	S1	0.0	kg
Trichlorobenzene	S1	0.0	kg
Dichlorvos	S1	0.0	kg
Fenitrothion	S1	0.0	kg
Simazine	S1	0.0	kg
Atrazine	S1	0.0	kg
Pentachlorophenol & it's compounds	S1	0.0	kg
Tributyltin compounds	S1	0.0	kg
Triphenyltin compounds	S1	0.0	kg
Total Cadmium	S1	0.0	kg
Total Mercury	S1	0.0	kg
Chromium, copper, lead, nickel, silver and zinc in total	S1	103.1	kg

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