

POLLUTION PREVENTION AND CONTROL PERMIT [PPC-Permit]

This document is my, one of the population's, representations of objection and opposition to The East Sussex County and Brighton and Hove City Incinerator in trespass at Newhaven Town.

Firstly, I object and oppose, that you and all other government organisations have given the name 'Newhaven Incinerator'. Yes, it is the Incinerator in Newhaven because that is its location, but it does not belong to Newhaven, Newhaven rejects it absolutely, as a liability, and an oppression, and an abomination Please, give it the name of who owns it, so there can be no mistaking who's it is: The Brighton and Hove City and East Sussex County Incinerator.

Representations of objection and opposition:

[1] By definition, from the terms in the name: 'Pollution Prevention and Control Permit' The HM Government Environment Agency is concerned here with:

HM Government Permission to:

[1.1] Incinerate HM Government majority science approved Dirty 'Renewables' Incinerator Fuel.

[1.2] Generate in the incinerator furnace hazardous exhaust gas pollution:

Incinerator Fly Ash [IFA] Particulate Matter [PM] containing dioxins:

http://en.wikipedia.org/wiki/Fly_ash

http://en.wikipedia.org/wiki/Particulate_matter

<http://en.wikipedia.org/wiki/Dioxin>

[1.3] Prevent the IFA PM Pollution from becoming Air Pollution:

http://en.wikipedia.org/wiki/Air_pollution

by entering the wonderful Planet Earth's finite air mass Atmosphere:

http://en.wikipedia.org/wiki/Earth's_atmosphere

from within the flue gas coming out of the vertical exhaust pipes of the incinerator:

http://en.wikipedia.org/wiki/Flue_gas

by extracting all IFA PM from the incinerator furnace exhaust flue gas using scrubbers:

<http://en.wikipedia.org/wiki/Scrubber>

the extracted substance is named Air Pollution Control [APC] Residue.

[1.4] Emit hot humid burnt air, at a known temperature and relative humidity, containing:

water vapour and carbon dioxide greenhouse gas no other pollutants:

http://en.wikipedia.org/wiki/Greenhouse_gas

in into the Earth's finite air mass atmosphere:

against the will and the purpose and the principle and the objective of the Kyoto Protocol:

http://en.wikipedia.org/wiki/Kyoto_protocol

whose concern is Global Warming:

http://en.wikipedia.org/wiki/Global_warming

[1.5] Control the IFA PM Pollution by extracting it as APC-Residue from the incinerator into anonymous HGV tanker lorries and driving them off site onto Newhaven's roads, then onto Lewes district's roads then onto England's counties' motorways to an anonymous place where all such anonymous lorries converge coming from all England's incinerators.

[1.6] The PPC Incinerator Permit process system does apply, and will apply, in principle, to all of the other tens of HM Government majority science approved Dirty 'Renewables' Fuelled Incinerators in the UK.

[2] Issues and Questions Arising, with respect to the APC-Residue:

[2.1] For the 30 years = 10,000+ days of operation, this HM Govt majority approved science Incinerator will continuously and cumulatively produce APC-Residue at the rate of, of the order of: 250 g/s => 15 kg/min => 910 kg/h => 22 T/d => 8,000 T/y => 80,000 T/decade.

[g = gramme, kg = kilogramme, T = tonne]

[s = second, min = minute, h = hour, d = day, y = year]

[2.2] What will the typical chemical analysis be, for the APC-Residue, from this incinerator ?
For examples: dioxins, furans, metal oxides, heavy metal oxides, silicates.

Dimension unit: percentage by mass for each chemical constituent, please ?

[2.3] What terms properly describe how nasty incinerator fly ash is ?

For example: extreme toxic hazard.

[2.4] At what regular time period for the 10,000+ days,

that this HM Govt approved science Dirty 'Renewables' fuelled incinerator will be in commission, will a controlled pollution tanker lorry export a full load of APC-Residue from this Incinerator's site ?
For examples: daily, every other day, every third day ?

[2.5] What mass weight of air pollution controlled residue will the tanker lorry contain ?

[2.6] What HSE markings will be exhibited on the HGV tanker lorry in order to declare its load, and the risk of danger to life on earth that its existence represents ?

[2.7] Where is its destination ?

[2.8] What further processes will be made in order to make the APC-Residue safe for storage ?

[2.9] In terms of HM Government's Environment Agency's permission for Pollution Control: this APC-Residue extraction and exportation system has to run without accident not incident for the entire lifespan of the incinerator. If an accident of incident does occur with APC-Residue the consequence could be disastrous for all life on earth in the vicinity.

[2.A] Therefore this whole APC-System is a very real liability, in terms of risk of danger, to the population and to the environment, that is, life on earth. Therefore this whole Pollution Control System must constitute a very weighty legal liability.

Who are legally liable for the APC-Residue ?

For examples: all contractual parties and signatories and actively engaged employees:

East Sussex County Councillors and Chief Executive and Officers and Lawyers,

Brighton and Hove City Councillors and Chief Executive and Officers,

The Labour Party Leadership, The Conservative Party Leadership,

HM Government Cabinet Secretaries of State and Ministers,

DEFRA, The Environment Agency,

Veolia (South Downs) Limited, Hochtief Construction UK, Mc Ardle,

Scientific and Policy Advisors, The New Local Government Network [NLGN]:

<http://news.bbc.co.uk/1/hi/uk/7391631.stm>

<http://www.nlgn.org.uk/public>

and the Local Government Association:

<http://www.lga.gov.uk>

[2.B] In fact, i believe that, all people in authority who have and do defend incineration as the solution, do themselves desire the 'convenience' of it, because they cannot think how to sort and dispose of their chicken carcasses and carved meat bones in any other way.

[3] Issues and Questions Arising, with respect to Carbon Dioxide gas emissions:

[3.1] In the 'terms' and 'definitions' of HM Government's policies and legislations: does, or does not, the term 'pollution' include: carbon dioxide gas [CO₂(g)] emissions ? as in CO₂(g) emissions resulting from the combustion of carbon based fuels ?

[3.2] Does this PPC-Permit account for, in order to allow for, the Veolia specified mass quantity rate of carbon dioxide [CO₂(g)] greenhouse gas to be emitted from this HM Government majority approved Incinerator oppressing Newhaven Town ?

For examples: the specific mass quantity rate of CO₂(g) carbon emission in:
107,800 T/y => 295 T/d => 12,300 kg/h => 205 kg/min => 3.4 kg/s
295 T/d => 295 kT / 1000 d => 2.95 MT / 10,000 d : the incinerator operating time span

[3.3] The Principle of Oxygen Depletion.

Let us consider the chemical equations for combustion:

for a pure carbon fuel: $C + O_2 \Rightarrow CO_2$.

for a simple hydrocarbon: $CH_4 + 2O_2 \Rightarrow CO_2 + 2H_2O$.

In both case: one molecule of oxygen is depleted and one molecule of carbon dioxide is emitted, for every atom of combusted carbon.

[3.3] The Effective Volume of the Carbon Dioxide Greenhouse Gas Emissions.

Avogadro's Law is a gas law named after Amedeo Avogadro, who in 1811 hypothesized that: 'Equal volumes of ideal or perfect gases, at the same temperature and pressure, contain the same number of particles, or molecules.'

http://en.wikipedia.org/wiki/Avogadro's_law

The number of molecules in one mole is called Avogadro's number: approximately 6.022×10^{23} particles per mole.

One mole of an ideal gas occupies 22.4 litres (dm³) at STP, and occupies 24.45 litres at SATP

(Standard Ambient Temperature and Pressure = 25 degrees C and 1 atm/101.3kPa).

This volume is often referred to as the molar volume of an ideal gas.

http://en.wikipedia.org/wiki/Molar_volume

Real gases may deviate from this value.

Avogadro's law, together with the combined gas law, forms the Ideal Gas Law.

The standard molecular mass of CO₂ = 44.0095 g/mol.

Therefore: 44.0095 g [CO₂(g)] occupies 24.45 L at SATP.

Therefore: Density [CO₂(g)][SATP] = 0.555 L/g => 555 m³/kg = 555,000 m³/T

Therefore: the effective volume of carbon dioxide gas emissions into the earth's atmosphere are:

Time Span	mass CO ₂ emission	density CO ₂	volume CO ₂ emission	volume CO ₂ emission
1 Second	3.4 kg	x 555 m ³ /kg	1,887 m ³	1.887 (dam) ³
1 Minute	205 kg	x 555 m ³ /kg	113,775 m ³	113.775 (dam) ³
1 Hour	12,300 kg	x 555 m ³ /kg	6,826,500 m ³	6.826 (hm) ²
1 Day	295 T	x 555,000 m ³ /T	163,725,000 m ³	163.725 (hm) ³
1 Year	107,800 T	x 555,000 m ³ /T	59,829,000,000 m ³	59.829 (km) ³
1000 Days	295,000 T	x 555,000 m ³ /T	163,725,000,000 m ³	163.725 (km) ³
10,000 Days	2,950,000 T	x 555,000 m ³ /T	163,725,000,000,000 m ³	163,725,000 (km) ³



WARNING
EXTREME TOXIC HAZARD
DIOXIN OUTPUT
INCINERATOR

250 G / SECOND

15 KG / MINUTE

910 KG / HOUR

22 TONNES / DAY

8,000 TONNES / YEAR

80,000 TONNES / DECADE

Brighton & Hove City Incinerator
East Sussex County Incinerator
HM Government Majority Approved Science