If you have data already stored in a previous version of the H1 software you may import it by pressing the

Please note that before the import can take place any data that already exists in this copy of the tool will be removed. Please also note that any 'Operating Mode' information you had entered in your Air and Water inventories will defer to the default of 100% on data import

NOTE ON MICROSOFT ACCESS SECURITY WARNING

Depending on your security settings, you may get a security notice appearing each time the import routine connects to a table in your source database. You need to click 'Open' on this message for the Import routine to be successful. There are 18 tables to connect to in total but if you place your cursor over the 'Open' button you will be able to repeatedly click your mouse to make this process execute quickly and without too much frustration. We apologise for this inconvenience but it is an aspect of Microsoft Security provisions that are beyond our control.

Import Utility

Describe the Objectives **Describe the Objectives** Depending on the reason for the assessment you will need to complete different parts of the tool. Select the type of assessment: • a) to carry out an ENVIRONMENTAL ASSESSMENT of the releases Do Steps 1, 2 and 3 only resulting from the facility as a whole Ob) to conduct a costs/benefits OPTIONS APPRAISAL to determine BAT Do Steps 1.2. 3 and 4 and continue with 5 or support the case for derogation under the Industrial Emission and 6 if necessary Directive. 1.1 Briefly summarise the objectives and reason for the assessment in terms of the main environmental impacts or emissions to be controlled: To assess the environmental impact of the projected emissions from the MCP proposed at the Charlton Road facility.

Scope of I	Environmental Assessment		
	Scope of Environmental Assessment		
List the	activities included in the assessment		
Nı	umber Activity		
140	Tourity Tourity		
Use the	'Add' button at the bottom left to create a new activity		
	1 Operation of MCP to support food production		
	Comments		

Describe the Candidate Options

Identify all reasonably applicable options of techniques

You should include:

- a) a brief description of individual control measures or configurations of control measures seleted for each option, and the activities with which they are associated (the existing base-case may conveniently be the first option).
- b) justification why any techniques generally applicable to the regulated facility have not been selected for assessment. (see relevant H1 annex) (This should be based on regulated facility-specific technical, not economic reasons).
- c) for new projects, whether any initial environmental assessment that was done at the project evaluation stage, or any screening of technology or process routes prior to this assessment, particularly where this has a bearing on environmental performance. (see H1)

In the case of b) or c) please enter your Comments here:

Option Number	Title	Description
1 Base	-Case	Natural gas and electrical management systems control MCP inputs.

Once a series of options have been generated for the proposed project, it is recommended that the Operator discuss these with the local Regulator to check both parties agree that the options are satisfactory. This may save the Operator from spending resources on assessment of options which are unlikely to meet the required environmental performance.

List the main activity or activities to which the release control options are applicable and any other activities that will be affected by the candidate control option on the main activity:

Air Release Points Base Option **Air Release Points** Please define your Release Points for Releases to Air Yes Are there any Air emissions? Location or Effective Grid Reference Activity or Activities Height Efflux Velocity Total Flow Number Description m3/hr m/s metres C800 gas turbine 24228 Multiflue stack Exhaust gas 18.5 13.4 C65 gas turbine Multiflue stack Exhaust gas 18.5 14 2484 5328 NG fired steam boiler Low NOx NG burner 18.5 11.8 Multiflue stack Comments

% O2

Water Disc	harge Locations		
	Receiving Water B	Body(s)	
Please de		ations for Releases to Water	
Ale	there any discharges to surfac	ce waters?	
Us	e the 'Add' button below to list	all final discharge points.	
		ould be the point where the sewage works discharge River. Upper Estuary) you only need enter the Riv	es to a surface water ver description and flow once. Further details of
ine		ered on the next page. For discharges to TRaC v	waters, seperate Discharge Locations must be added for
ea	ch release point that has a di	interent mixing zone	
Nui	mber Description	Final Discharge Category	Freshwater Q95 flow rate
			restiwater Q00 flow rate
	1	R	River Flow (m3/s): 0

Raw Materials

Raw Materials

Please list all Raw Materials Consumed:

Number Material Consumption Units

1 Non-potable Water tonnes/year
2 Potable water tonnes/year

Comments

Identify relevant Impacts							
	Identify R	Rel	evant Impacts				
Identify any	onvironment	al in	nacts that are not relevant t	o this assessment by deselecting from the list below:			
identity any	environment	21 III	ipacts that are not relevant i	o this assessment by deserecting from the list below.			
Rele	eases in						
	art 2?			Justification for omission			
	Yes	✓	Air				
	Yes		Deposition from Air to Land	No deposition from air to land			
	No		Water				
	No		Waste	Not relevant			
	Yes		Visual	Not Relevant			
	Yes		Ozone Creation	Not relevant			
	Yes		Global Warming	Not Relevant			
			Maria barra da sala Maria da sa	Account of the second of the s			
			assessment,	rironmental impact as not relevant to this			
			no further assessment of this	impact will be carried out			

Local Environmental Quality	
Local Environmental Quality	
Describe the Quality of the Environment:	
Provide a brief description of the main local factors that may influer	nce the importance of the impact of emissions in the surrounding environment
Air Quality	
Are there any Environmental Quality Standards relating to	UK AQS apply
substances released from the activities, which may be at risk due	оттае арру
to additional contribution from the activity? (Environmental Quality Standards for air and water are described	
in EPR Technical Guidance Notes)	
Are there any Local Air Quality Management Plans applicable to	None
releases from the activity?	
Water Quality & Resources	
Are there any Environmental Quality Standards relating to substances released from the activities, which may be at risk due	N/a
to additional contribution from the activity?	
	N/a
Are proposals to abstract water satisfactory in order to obtain an abstraction licence?	IV/a
Is the activity located in a groundwater vulnerable zone (for	N/a
activities with direct releases to land only)?	l vi d
Proximity to Sensitive Receptors	
Is public annoyance likely to be an issue for noise, odour or	No
plume visibility?	
Are there any wildlife habitats, eg Special Areas of	Hobbs Quarry (SSSI) & Viaduct Quarry (SSSI) both < 2km from site
Conservation, or Special Protection Areas, likely to be affected by releases from the activity? (Description of requirements of	No SPAs, SACs or RAMSARs within 2 km
Habitats Directive is provided in EPR Technical Guidance Notes)	

Air Impacts

Calculate Process Contributions of Emissions to Air

This table estimates the Process Contribution (PC), calculated as the maximum ground level concentration for each emission listed in the inventory, according to the release point parameters input earlier. If you have more accurate data obtained through dispersion modelling, this may be entered as indicated and will be used instead of the estimated PC.

			— Long Term —			Short Term	
Number Substance			PC	* Modelled PC	EAL	PC	Modelled PC
		µg/m3	μg/m3	μg/m3	μg/m3	μg/m3	μg/m3
1	Carbon monoxide		3.11		10000	83.0	
2	Nitrogen Dioxide	40	1.99		200	46.7	

Note that the Process Contribution shown for each substance is the sum of the individual process contributions of each point from which the substance is emitted. Process Contributions obtained from modelling data should incorporate all relevant release points and flow conditions.

* State the location of any detailed air dispersion Comments modelling and also the main assumptions:

Air Impact Screening Base Option

Air Impact Screening Stage One

Screen out Insignificant Emissions to Air

This page displays the Process Contribution as a proportion of the EAL or EQS. Emissions with PCs that are less than the criteria indicated may be screened from further assessment as they are likely to have an insignificant impact.

			Long Term			———— Short Term ————			
Number Substance	Long Term EAL	Short Term EAL	PC	% PC of EAL	> 1% of EAL?	PC	% PC of EAL	> 10% of EAL?	
	μg/m3	μg/m3	μg/m3	%		μg/m3	%		
1 Carbon monoxide	-	10,000	3.11	-		83.0	0.831	No	
2 Nitrogen Dioxide	40.0	200	1.99	4.97	Yes	46.7	23.4	Yes	

Air Impact Modelling Base Option										
	Air Impact Modelling Stage	Two Scr	eening							
entify no	eed for Detailed Modelling of Emissions to	Air								
ecide wh	displays the Process Contributions in relation ether to conduct detailed modelling. Note that olete this page if you have already done detai	t releases that	ound pollutan are insignific	t levels and the ant are not show	vn as they are	screened from	this informat further asses	ion to ssment.		
					Long -	Term ———			Short Term	
mber	Substance	Air Bkgrnd Conc.	PC	% PC of headroom (EAL -	PEC	% PEC of EAL	% PEC of EAL >=70?	PC	% PC of headroom (EAL - Bkgrnd)	% PC of headroom >=20?
		μg/m3	μg/m3		mg/m3	%		μg/m3		
2 Nitro	ogen Dioxide	10	1.99	6.63	12.0	30.0	No	46.7	25.9	Yes

Air Impact	Air Impact Modelling Assessment							
	Air Impact Modelling Assessment							
See guid	elines in H1 Annex F section entitled "Decide if you need o	letailed air modelling.						
Descr is not	be here the justification for whether detailed modelling is, or required for any of the releases. Refer to the quidelines in	LT PEC <70% of EAL						
H1 An	nex F							
Descr	be source of background information:	UK DEFRA Interactive Mapping - NO2 10ug/m3						
Docur	nent Reference of detailed modelling work:							
	g							