

**From:** Swainson, Mike <Mike.Swainson@adm.com>  
**Sent:** 07 March 2022 16:09  
**To:** Smith, Jennie  
**Subject:** RE: [EXTERNAL] RE: Application EPR/QP3331PQ/V003 - Request for information  
**Attachments:** 912-GEN-ENV-186 (Fig A5) - Drainage Plan.pdf; ADM\_Erith\_OMP\_2022\_Final.pdf; Biofilters Ref 28924.pdf; Environmental Complaints Ref 49461.pdf; Odour Management Ref 181084.pdf; Thermal Oxidiser Ref 207627.pdf

Hi Jennie,.

Please see below.....

Further to the email 17<sup>th</sup> February, please find the answers to your questions:

## 1. Reference Conditions during monitoring of emissions to air:

A1

- |                   |   |                  |
|-------------------|---|------------------|
| • Ref 273K,       | - | Actual 159 °C    |
| • Ref 101.3 k Pa, | - | Actual 101.6 kPa |
| • Ref 15% oxygen. | - | Actual 3.6%      |

A2,

- |                         |   |              |
|-------------------------|---|--------------|
| • Ref 273K,             | - | Actual 168.5 |
| • Ref 101.3kPa, dry gas | - | Actual 101.6 |
| • Ref 15% oxygen.       | - | Actual 3.0   |

A3

- |                         |   |              |
|-------------------------|---|--------------|
| • Ref 273K,             | - | Actual 161   |
| • Ref 101.3kPa, dry gas | - | Actual 101.5 |
| • Ref 15% oxygen.       | - | Actual 12.7  |

A21

- |                          |   |  |
|--------------------------|---|--|
| • Ref 273K,              | - | No monitoring to date /not operational yet |
| • Ref 101.3kPa, dry gas, | - | No monitoring to date /not operational yet |
| • Ref 15% oxygen.        | - | No monitoring to date /not operational yet |

A28

- |                      |   |  |
|----------------------|---|--|
| • Ref 273K,          | - | No monitoring to date /not operational yet |
| • 101.3kPa, dry gas, | - | No monitoring to date /not operational yet |
| • 3% oxygen.         | - | No monitoring to date /not operational yet |

## 2. H1 Raw data

- Sodium Hypo 1,500 ug free chlorine
- TRASAR 50.000 ug/m3
- Nalco biocides 15,000 ug/m3

## 3. OMP plus associated Documents

- Please find the documents requested attached.
  - The Odour Abatement System Procedure is currently being reviewed (normal annual review), however our Plant Manager, who authorizes the document, is on annual leave this week, so it will not be formally issued until sometime after his

return. I can however, forward you the pre issued draft when it's ready (should be Thursday this week).

#### 4. Energy & Water

- The energy use is: 730 kWh per tonne of oil
- The Water discharged is 856 litres per tonne of oil

#### 5. W1 Emission point

- Please see attached Site Drainage Plan 912–GEN–ENV-186 (Fig 5) Drainage Plan ,
  - The actual point of discharge for W1 is at the end of the green line, marked on the plan as *Main surface water discharge to River Thames via Launder Valve*.

I trust the email has the information needed, but if not, please do not hesitate to ask.

Kind regards, and thanks for your patience.

Mike

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**From:** Swainson, Mike  
**Sent:** 07 March 2022 12:15  
**To:** Smith, Jennie <[Jennie.Smith@environment-agency.gov.uk](mailto:Jennie.Smith@environment-agency.gov.uk)>  
**Subject:** RE: [EXTERNAL] RE: Application EPR/QP3331PQ/V003 - Request for information

Hi Jennie,  
Apologies. I am currently covering two different roles until my last role is replaced.  
I will get on to this immediately.  
Best regards,  
Mike

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**From:** Smith, Jennie <[Jennie.Smith@environment-agency.gov.uk](mailto:Jennie.Smith@environment-agency.gov.uk)>  
**Sent:** 07 March 2022 12:08  
**To:** Swainson, Mike <[Mike.Swainson@adm.com](mailto:Mike.Swainson@adm.com)>  
**Subject:** [EXTERNAL] RE: Application EPR/QP3331PQ/V003 - Request for information

Hi Mike

I just wondered if you could give me an update on when I can expect to receive the information below?  
Kind regards  
Jennie

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**From:** Smith, Jennie  
**Sent:** 17 February 2022 13:05  
**To:** [mike.swainson@adm.com](mailto:mike.swainson@adm.com)  
**Subject:** Application EPR/QP3331PQ/V003 - Request for information

Hi Mike

As discussed this morning I have been reviewing the application, to continue with the determination I need some additional information as detailed below.

1. In order to complete my initial assessment of the air quality modelling I need the oxygen and moisture actual and reference conditions used for the gas turbines (A1-A3), high pressure boiler (A21) and the new thermal oxidiser (A28), please can you confirm these.
2. Provide the raw data used for the water discharge in H1
3. I understand the OMP has been updated since submission, please provide the current copy and the following supporting process documents referenced within
  - Odour Abatement System (current ref 14592)
  - Biofilter Odour Abatement (current ref 28924)
  - Thermal Oxidiser odour and emissions to air control (current ref 181848)
  - Odour Management (current ref 181084)
  - Environmental Complaints procedure (current ref 49451)
4. For BAT 30 please confirm the energy consumption in MWh / tonne of oil produced and the water discharge in m3/ tonne of oil produced
5. Emission point W1 is outside the permitted boundary. Can this be included in the site boundary? If not please indicate where it leaves the permitted area.

Please could you confirm when you expect to be able to provide the information requested? Following the submission and review of the above I may need to request further information.

I will be working on leave from 22<sup>nd</sup> February, returning 28<sup>th</sup>.

Kind regards  
Jennie

**Jennie Smith BSc, MSc, AssocMCIWM**  
**National Permitting Service ♦ Part of Operations – Regulation, Monitoring and Customer**

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**Please note my working days are Monday, Tuesday and Thursday.**

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