|  |
| --- |
| **Habitats and receptors** |
| Identify all relevant nature and heritage sites, habitats and species.  See ERA Plumley 2017 and 200911 Technical Note to 2017 Plumley ERA Addendum.  Where there is potential for an affect to result, provide an impact assessment (see below). |
| **Risk Assessments & Management Plans &– Link to guidance -** [**https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit**](https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit) |
| Provide environmental risk assessment – this should identify relevant risk assessments (odour management plans, noise and vibration, Volatile Organic Compounds, fire prevention, dust management, pest management). Ensure appropriate fees are paid with any relevant plans.  See SR2015-No2-GRA CoGH |
| Flood Risk – if site is in a flood risk zone, assessment of risk of pollution in the event of a flooding event should be provided.  See ERA Plumley 2017. |
| **Energy Efficiency**  Energy use in this sector is significant. Applicants will often participate in a Climate Change Agreement or a Direct Participant Agreement (both are considered BAT). An assessment of energy usage/efficiency techniques and measures must be included in the application.  For storage: n/a.  For the extraction process, a diesel generator (24 kW) has to be used as there is no nearby electricity supply. It will be used to power the pumps, the control system and the welfare cabin.  The crude oil and 2 brine pumps (2.2 kW and 3 kW resp). have not been over-specified. |
| **Waste recovery, recycling and disposal techniques**  The nature of waste, high oil content, means recovery and pre-treatment techniques should be considered. Applicants must justify how the chosen techniques represent BAT (as per TGN), and where appropriate carry out an options appraisal.  If appropriate, EWC/Hazard codes for wastes [justification for the use of 99 codes must be provided where appropriate].  Waste handling description (including storage and segregation)  For storage, see OPA Env Aspects Register – Plumley & CoGH  For extraction see BAT.doc Section 2.2 (Residual crude and brine will be disposed offsite). |
| **Accident prevention and control**  Storage, transfer and transport of high volumes of hydrocarbons pose a significant risk, therefore assessment of containment and emergency procedures is required. Applicants must justify how the chosen techniques represent BAT (as per TGN), and where appropriate carry out an options appraisal.  Infrastructure detail provided (E.g. secondary containment, tank specification, surfacing)?  Storage arrangement details.  For storage, see Management System CoGH Section 6.  For extraction, the onsite emergency response plan will be updated to reflect the extraction phase.  Both T171 and T175 have inner and outer containment areas.  The new tanks have been designed in accordance with PD 5500.  Tanker parking and turning area adjacent to the outer containment area, to be made from load bearing, compacted hardcore. |

|  |
| --- |
| **Climate Change Screening – New Bespoke Only**  Complete the climate change screening questions in Part B2, section 6b of the application form [Part B2 Guidance](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/783778/Form_guidance_EPB_Application_for_an_environmental_permit_Part_B2_general_New_bespoke_permit.pdf)  N/A – less than 5 years operation. |
| **Climate Change Risk Assessment – New Bespoke Only**  Where the score is 5 or more (climate change screening) – requirement to submit a climate change risk assessment? If planning to operate for 5 years or less - do not need to submit a risk assessment regardless of the screening score.  N/A – less than 5 years operation. |

|  |
| --- |
| **Operator competence** Link to guidance: <https://www.gov.uk/guidance/legal-operator-and-competence-requirements-environmental-permits> |
| Include a summary of Management System  See Management System CoGH |
| **Process flow diagrams** |
| Process flow diagrams – provide where appropriate (maps / diagrams)  N/A for Storage  For extraction see PID&s OP029-1000 & OP029-1001 |
| **Site plans** |
| Site plan - showing the extent of the Installation boundary (marked as boundary for operational area)  See Management System CoGH |
| **Technical Assessment – [refer to application form guidance notes]** |
| Abatement techniques described  For extraction see BAT.doc Section 2.1 |
| Where monitoring has been proposed – monitoring standards should be specified. N/A  Where applicable - commitment to MCERTS requirements. |
| Monitoring frequencies N/A |
| Raw materials inventory/water usage  Storage: n/a  Extraction: See Part B3, Section 3c  In addition there will be a welfare cabin where water will be used for drinking and for the toilet (self-contained unit). |
| Raw material usage efficiency techniques N/A for the brine, diesel and water used. |

|  |
| --- |
| **Refineries -** link to sector guidance  <https://www.gov.uk/government/publications/gasification-liquefaction-and-refining-installations-additional-guidance> |