

Recordable Environmental Incident Summary



Mereenie Oil and Gas Field – Environment Management Plan

The following information has been compiled to satisfy the reporting requirements for recordable incidents under Part 3, Division 1, Regulation 35 of the Petroleum (Environment) Regulations. During the period from 3 December 2020 to 2 March 2021 there were 4 recordable incidents.

| SUMMARY OF RECORDABLE INCIDENTS UNDER SEC 35 PETROLEUM (ENVIRONMENT) | | | | | | | |
|--|-----------------|---|---------------------------------|---|---|--|-----------------------------------|
| QUARTERLY REPORTING FOR PERIOD 3/12/2020 TO 2/3/2021 | | | | ENVIRONMENT MANAGEMENT PLAN – Mereenie Oil and Gas Field | | | |
| Incident date | Area / location | Incident summary | Actual consequence ¹ | Corrective actions | Relevant Environment Performance Standard | Effect on Relevant Environmental Outcome | Additional Regulator Notification |
| 14 December 2020 8am | Mereenie CTP | During a regular inspection on tank 727 it was identified that the vent on the top of the vessel was open and venting as a result of the second stage separator level controller providing a false reading holding the dump open. It is estimated that 81,000 sm ³ of gas was vented during the incident which is equivalent to 324 tCO ₂ e or 0.45% of scope 1 and 2 emissions recorded at Mereenie during FY20. | Minor | <u>Immediate</u> - The field boost compressor K203 was switched from the closed drain circuit to H-201 oil stabilisation system and the venting stopped. <u>Additional</u> - The unit was isolated, and controller and dump level switch components were removed, tested, and reinstalled and the unit was put back online. - Tank inspection frequency has been temporarily increased. | No uncontrolled release | Minor impact with the gas quickly dissipating into the atmosphere | n/a |
| 25 December 2020 8am | Mereenie ESS | While conducting daily routines at the ESS an operator identified the water treatment brine tank overflowing. It is estimated that approximately 10 litres of salt water were spilt. | Minor | <u>Immediate</u> - Water level in the brine tank was reduced. - The impacted area was cleaned up the contaminated soil was removed to the on-site bio pit. <u>Additional</u> - Added inspection to the scope for plumber during their next planned visit. | No uncontrolled release | Negligible impact as the soil was immediately removed and the area remediated. | n/a |

¹ From risk assessment

| Incident date | Area / location | Incident summary | Actual consequence | Corrective actions | Relevant Environment Performance Standard | Effect on Relevant Environmental Outcome | Additional Regulator Notification |
|----------------------------|--------------------|--|--------------------|--|---|--|-----------------------------------|
| 21 February 2021 10am | Mereenie CTP | During a periodic inspection of the bunds at the CTP, an operator discovered a small amount of oily water (approximately 20 litres) had leaked out of the bund under K202. The leak was a result of a crack in the concrete where the bunding meets the slab. | Minor | <u>Immediate</u> - The bund was drained of oily water residue to ensure no further leak. - The contaminated soil outside of the bund was removed to the on-site bio pit. <u>Additional</u> - Works were undertaken to repair the bund where the leak occurred. | No uncontrolled release | Negligible impact as the soil was immediately removed and the area remediated. | n/a |
| 26 February 2021 1015am | Mereenie EM32 Well | While carrying out annual well site instrument inspections at EM32, the operator noticed gas leaking: - up stream of HP regulator for instrument gas supply; - from the ball valve on the bottom of knock out pot; and - instrument gas PCV passing. It is estimated that 1 sm3 of gas was vented during the incident which is equivalent to 0.004 tCO2e or 0.00000006% of scope 1 and 2 emissions recorded at Mereenie during FY20. | Minor | <u>Immediate</u> - Removed fitting cleaned and reinstalled - Ensured no further leakage noted by gas testing fittings. <u>Additional</u> - Confirm Instrument gas PSV was compliant. | No uncontrolled release | Negligible impact as the gas quickly dissipated into the atmosphere | n/a |

Risk Matrix

| | | | | | | | Remote | Unlikely | Possible | Likely | Frequent | |
|--------------|--|---|--|---|--|--|---|--|---|---|---|-----------|
| | | | | | | | Conceivable, but only in extreme circumstances | Event is unlikely to occur during the life-span of a project | Event may occur during the life-span of a project | Event likely to occur during the life-span of a project | Recurring event during the life-span of a project | |
| Impact Type | | | | | | | <1% chance of occurring within the next year. | >1% chance of occurring within the next year | >10% chance of occurring within the next year | >30% chance of occurring within the next year | >60% chance of occurring within the next year | |
| Impact Level | Health and Safety | | Environment | Community | Legal | Reputation | Financial AUD\$ | | | | | |
| | Extreme | 5 or more fatalities or life-threatening injury / illness or total permanent disability. | Extensive permanent impact on / off site or damage to critically endangered species, habitats, ecosystems. | Extensive irreversible impacts to the community or social wellbeing. Long term social unrest. Permanent damage to area/s of cultural significance. | Charges against any director or senior executive involving jail, substantial fine or loss of right to manage the company. Public inquiry – requiring considerable resources and senior executive time. Loss of an asset or loss of licence to operate an asset. Permanent non-voluntary suspension of trading CTP securities on the ASX. | Multiple stakeholder groups confirming coordinated action, as reflected in media channels with significant reach and influence. Negative international or prolonged national media (e.g. 2 weeks). | Loss of value in excess of \$20m Cashflow impact in excess of \$5m | High | Very High | Very High | Very High | Very High |
| | Critical | 1-4 fatalities or life-threatening injury / illness or total permanent or partial disability. | Extensive long term partially reversible impact on / off site or damage to endangered species, habitats, ecosystems. | Extensive reversible impacts to the community or social wellbeing. Prolonged community outrage. Extensive long term partially reversible damage to area/s of cultural significance. | Charges against any director, senior executive or senior manager involving fines, jail, or the loss of right to manage the company. Prolonged major litigation – exposure to significant damages, fines, or costs. Suspension or restrictions to the benefit of an asset or operate an asset. Prolonged non-voluntary suspension of trading CTP securities on the ASX. | Multiple stakeholder groups mobilising and encouraging other to act, as reflected in media channels with significant reach and influence. Negative media national for 2 days or more. | Loss of value >\$10m to \$20m Cashflow impact >\$1m to \$5m | High | High | High | Very High | Very High |
| | Serious | Injury or illness resulting in partial disability, lost time, or alternative / restricted duties. | Long term reversible impacts on / off site or to vulnerable or near threatened species, habitats, ecosystems. | Impacts to the community or social wellbeing. High levels of community tension. Long / medium term partially reversible damage to area/s of cultural significance. | Charges against any employee (not described above). Non-compliance with conditions of licence to own or operate an asset or to conduct an activity. Litigation - exposure to damages, fines, or costs. Short-term non-voluntary suspension of trading CTP securities on the ASX. | More than one stakeholder group’s opinion or view influencing other stakeholders, reported through media channels with some reach and influence. Negative national / state media for 1 day. | Loss of value >\$2.5m to \$10m Cashflow impact >\$500k to \$1m | Medium | Medium | High | High | High |
| | Moderate | Injury or illness to 1 or more people resulting in medical treatment. | Medium / short-term impact on / off site or to low risk / least concern / common regional species, habitats, ecosystems. | Small scale impacts to the community or social wellbeing. Isolated examples of community tension. Moderate short-term impact to areas of cultural significance. | Moderate non-compliance with external mandatory obligations or breach of contractual or other legal obligations (not described above). Litigation possible. Non-compliance with internal controls with a moderate impact | A single stakeholder group drawing attention to an incident, issue, or approach conveyed through local media channels. | Loss of value >\$500k to \$2.5m Cashflow impact >\$250k to \$500k | Low | Medium | Medium | Medium | Medium |
| Minor | Injury or illness requiring first aid to 1 or more people, or no treatment recorded. | Minor near source impact on / off site – readily dealt with. | Minor community impact / short-term impact to areas of cultural significance – readily dealt with. | Minor non-compliance with external mandatory obligations or breach of contractual or other legal obligations. Non-compliance with internal controls with a minor impact. | A person or organisation within a stakeholder group signalling an interest in an incident, event, or approach, using channels with limited reach or influence. Public concern restricted to local complaints. | Loss of value >\$250 to \$500K Cashflow impact >\$50 to \$250k | Low | Low | Low | Medium | Medium | |