

## SECTION 14 INCIDENT REPORT (*Waste Management and Pollution Control Act*)

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| Date and Time of Notification: | Saturday 20 <sup>th</sup> August 2022, 15:00hrs                 |
| Person / Company:              | Power and Water Corporation ( <b>PWC</b> )                      |
| Incident:                      | Discharge of sewage from sewerage network (no gross pollutants) |

| <p>(a) the incident causing or threatening to cause pollution</p> | <p><i>i. Description of the waste that was discharged.</i></p> <p>Raw sewage (no gross pollutants)</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>Indicative wastewater quality for this overflow can be found in Table 1. Table 1 includes wastewater results from the Alice Springs Wastewater Treatment Plant inlet. Rainfall leading up to the overflow was 0.0mm for the previous 3 days (BOM Weather Stn: 015590 – Alice Springs Airport), therefore raw sewage has spilt.</p> <p>Table 1.</p> <table><tr><th>Sample Date</th><th>Location</th><th>E. Coli (MPN/100 mL)</th><th>Dissolved Oxygen (DO) - field (mg/L)</th><th>Electrical Conductivity (field) (mS/cm)</th><th>pH (field) (pH units)</th></tr><tr><td>16/08/2022</td><td>SAA080 A PONDS EP10 ILPARPA</td><td>51.0</td><td>4.4</td><td>5.04</td><td>9.25</td></tr><tr><td>9/08/2022</td><td>SAA080 A PONDS EP10 ILPARPA</td><td>43.0</td><td>9.63</td><td>4.83</td><td></td></tr></table> <p><i>iii. Volume of the waste that was discharged.</i></p> <p>The volume of waste discharged is unknown. No telemetric monitoring occurs at this location, it is however estimated to be around 20 kilolitres or less.</p> | Sample Date          | Location                             | E. Coli (MPN/100 mL)                    | Dissolved Oxygen (DO) - field (mg/L) | Electrical Conductivity (field) (mS/cm) | pH (field) (pH units) | 16/08/2022 | SAA080 A PONDS EP10 ILPARPA | 51.0 | 4.4 | 5.04 | 9.25 | 9/08/2022 | SAA080 A PONDS EP10 ILPARPA | 43.0 | 9.63 | 4.83 |  |
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| Sample Date                                                       | Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | E. Coli (MPN/100 mL) | Dissolved Oxygen (DO) - field (mg/L) | Electrical Conductivity (field) (mS/cm) | pH (field) (pH units)                |                                         |                       |            |                             |      |     |      |      |           |                             |      |      |      |  |
| 16/08/2022                                                        | SAA080 A PONDS EP10 ILPARPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 51.0                 | 4.4                                  | 5.04                                    | 9.25                                 |                                         |                       |            |                             |      |     |      |      |           |                             |      |      |      |  |
| 9/08/2022                                                         | SAA080 A PONDS EP10 ILPARPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 43.0                 | 9.63                                 | 4.83                                    |                                      |                                         |                       |            |                             |      |     |      |      |           |                             |      |      |      |  |
| <p>(b) the place where the incident occurred</p>                  | <p><i>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>PWC Sewer main line (3 TWIN-10-1-22.5) connected to private property infrastructure - overflow relief gully (ORG), at number 79 Lyndavale Drive (Lot 7079), Larapinta – Alice Springs.</p> <p><i>ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point.</i></p> <p>Discharge Point: 133.8355057E, -23.6941598S<br/>Final discharge point: 133.8353197E, 23.6939626S</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                                      |                                         |                                      |                                         |                       |            |                             |      |     |      |      |           |                             |      |      |      |  |

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|                                                                                                                                                                                | <p><i>iii. Indicate any locations nearby to the discharge point where public can gain ready-access, such as public open spaces through which the discharge moves.</i></p> <p>Access to the public was not possible at the site of the spill ORG, as this is on private fenced property, however the spill left the property, where access to the public was possible for a briefly, and then flowed into the stormwater system, but did not reach the open stormwater drain behind number 2 and 3 Pohl Court.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>(c) the date and time of the incident</b>                                                                                                                                   | <p><i>i. The time and date of commencement and cessation of the discharge.</i></p> <p>The commencement time of the spill is unknown. The spill was initially responded to by a plumber contracted by the resident, who then contacted PWC. A PWC sewer reticulation field crew attended the site at around 12:00 noon, 20/08/2022 and the blockage was rectified a short time later.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>The spill was initially reported by the resident to a local plumber, who then advised PWC of the blocked sewer.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>A blockage of the DN300 sewer main, which was as a result of foreign objects being discarded into the sewer system and tree roots impeding the flow, resulted in raw sewage overflowing from the property's overflow relief gully (ORG).</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii. A combination of foreign objects being incorrectly disposed of into the sewer system and tree roots penetrating the sewage pipework impeding normal flows resulted in a blockage of the sewer main.</p> |
| <b>(d) how the pollution has occurred, is occurring or may occur</b>                                                                                                           | <p>As per (c) iii &amp; (c) iv.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>(e) the attempts made to prevent, reduce, control, rectify or clean up the pollution or resultant environmental harm caused or threatening to be caused by the incident</b> | <p>The clean-up was undertaken as per Sewage Spills/Overflow Response Work Instruction. Affected area was disinfected and roadway was pressure washed.</p> <p><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>During the entire time of the repair and clean up, PWC and/or contractors were on site to warn passers-by of the sewage spill, until such time that the area was safe.</p> <p>Upon resolution of the blockage, the area was cleaned comprehensively to ensure the area was safe for the public to access immediately. Due to the location, temporary fencing was not appropriate. Therefore cleaning undertaken was performed to ensure access by the public was safe immediately after resolution of the blockage.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Clean up consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the environment. Followed by cleaning and disinfecting of the affected surfaces with biodegradable detergent.</p>                                                                                                 |

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| (f) the identity of the person notifying the NT EPA | PWC Environmental Team on behalf of Water Services |
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### Appendix A – Location map





Appendix B – Photographs of the discharge point (ORG), and overflow leaving property into stormwater network

