

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

Date and Time of Notification:	Thursday 30 th November 2023, 12:00hrshrs
Person / Company:	Power and Water Corporation
Incident:	Discharge of sewage from sewerage network – Sewage Pumping Station

<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</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>See below for indicative wastewater quality data.</p> <table border="1" data-bbox="598 1108 1476 1243"> <thead> <tr> <th rowspan="2">Sample Date</th> <th rowspan="2">Description</th> <th colspan="2">Bacteriological</th> <th colspan="5">Physical and General Chemical</th> </tr> <tr> <th>E. coli (MPN/100 mL)</th> <th>Ammonia Nitrogen</th> <th>Biochemical Oxygen Demand (mg/L)</th> <th>Nitrate as N (NO₃-N) (mg/L)</th> <th>Nitrate + Nitrite as N (NO_x-N) (mg/L)</th> <th>pH (lab) (pH units)</th> <th>Phosphorus Total (mg/L)</th> </tr> </thead> <tbody> <tr> <td>7/11/2023</td> <td>WARRUWI POND 1 INLET</td> <td>727,000.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3/10/2023</td> <td>WARRUWI POND 1 INLET</td> <td>248,900.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5/09/2023</td> <td>WARRUWI POND 1 INLET</td> <td>866,400.0</td> <td>14.0</td> <td>48.0</td> <td>< 0.1</td> <td>< 0.1</td> <td>6.86</td> <td>4.2</td> </tr> </tbody> </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. An estimate from the USC worker is 56.88KL based on average flows for the community and the time between the high level alarm starting and the repair of the float switch having taken place.</p>	Sample Date	Description	Bacteriological		Physical and General Chemical					E. coli (MPN/100 mL)	Ammonia Nitrogen	Biochemical Oxygen Demand (mg/L)	Nitrate as N (NO ₃ -N) (mg/L)	Nitrate + Nitrite as N (NO _x -N) (mg/L)	pH (lab) (pH units)	Phosphorus Total (mg/L)	7/11/2023	WARRUWI POND 1 INLET	727,000.0							3/10/2023	WARRUWI POND 1 INLET	248,900.0							5/09/2023	WARRUWI POND 1 INLET	866,400.0	14.0	48.0	< 0.1	< 0.1	6.86	4.2
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<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>The overflow emanated from the number one sewage pumping station, Warruwi, lot 117.</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: 133.3911405E, 11.6476789S (sewage pumping station #1) Final discharge point: 133.3914938E, 11.6476266S (Arafura sea)</p> <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 as the discharge flowed directly from the sewage pumping station's wet well, through the emergency overflow pipeline directly into the Arafura Sea.</p>
<p>(c) the date and time of the incident</p>	<p><i>i. The time and date of commencement and cessation of the discharge.</i></p> <p>The commencement time of the spill was approximately 13:30hrs, 29/11/2023 and it ceased approximately 08:40hrs 30/11/2023, after a contractor returned to the community with the required parts.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>The spill was initially reported to the Power and Water Technical Co-ordinator responsible for the community by the Utility Service Contract worker who initially received a high level alarm.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>The overflow occurred due to a fault with one of the wet well floats that control the run/stop of the pumps.</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii.</p>
<p>(d) how the pollution has occurred, is occurring or may occur</p>	<p>As per (c) iii & (c) iv.</p> <p>All of the spill went through the emergency overflow pipeline that goes directly to the Arafura sea. Whereby none can be recovered.</p> <p>There was no obvious signs of any adverse effects caused by the spill. There was a high tidal coefficient on the day of the spill (2.6m high at 06:13hrs & 0.2m low at 13:29hrs on the 29/11/23, taken from North Goulburn Island).</p>
<p>(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</p>	<p><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>Fencing in this instance was not appropriate and signage was not required due to the high dilution rate.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Clean up was impossible in this instance with the emergency overflow pipeline going straight into the Arafura Sea.</p>
<p>(f) the identity of the person notifying the NT EPA</p>	<p>Power and Water's Environmental Team on behalf of Water Services</p>

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Appendix A – Location map.

