

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

Date and Time of Notification:	Tuesday 26 th September 2023, 09:45hrs
Person / Company:	Power and Water Corporation
Incident:	Discharge of sewage from sewerage network

(a) the incident causing or threatening to cause pollution	<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>See the table below for the latest pond 1 inlet wastewater quality results, most indicative of the quality of the overflow.</p> <table border="1"> <thead> <tr> <th rowspan="2">Sample Date</th> <th rowspan="2">Description</th> <th colspan="2">Bacteriological</th> </tr> <tr> <th>E. coli (MPN/100 mL)</th> <th>Enterococci (MPN/100 mL)</th> </tr> </thead> <tbody> <tr> <td>13/09/2023 09:52:00</td> <td>WQ-GAPUWIYAK POND 1 INLET</td> <td>2,359,000.0</td> <td>55,600.0</td> </tr> <tr> <td>09/08/2023 09:40:00</td> <td>WQ-GAPUWIYAK POND 1 INLET</td> <td>645,000.0</td> <td>127,400.0</td> </tr> <tr> <td>12/07/2023 09:16:00</td> <td>WQ-GAPUWIYAK POND 1 INLET</td> <td>3,255,000.0</td> <td>146,400.0</td> </tr> </tbody> </table> <p><i>iii. Volume of the waste that was discharged.</i></p> <p>The volume of wastewater discharged is unknown. No telemetric monitoring occurs at the site. However, the discharge volume is approximately 100KL.</p>	Sample Date	Description	Bacteriological		E. coli (MPN/100 mL)	Enterococci (MPN/100 mL)	13/09/2023 09:52:00	WQ-GAPUWIYAK POND 1 INLET	2,359,000.0	55,600.0	09/08/2023 09:40:00	WQ-GAPUWIYAK POND 1 INLET	645,000.0	127,400.0	12/07/2023 09:16:00	WQ-GAPUWIYAK POND 1 INLET	3,255,000.0	146,400.0
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(b) the place where the incident occurred	<p><i>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>The discharge occurred from a leaking 150mm sewer rising main.</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> <ol style="list-style-type: none"> Discharge Point: 135.8030609E, 12.5006877S (approx. location of leak on 150mm sewer rising main) Final Discharge Point: 135.8021420E, 12.5007857S (sewerage pooled in bushland) <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 by the public is possible but unlikely as the area is within bushland. The discharge has pooled in the immediate vicinity and when</p>																		

	<p>inspected did not reach any residential areas. Note, the nearest building (non-residential) is approximately 60m south of the discharge point.</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 overflow is unknown as the site is not telemetered. The overflow was first reported to Environmental Services by a Power and Water Technical Coordinator on Monday 25 September 2023 at around 9:30am. The Technical Coordinator was following-up an odour complaint that was received by telephone just prior.</p> <p>After the discharge was located the Technical Coordinator immediately arranged for BV Contracting (located in Ramingining) to fix the leak. The Technical Coordinator also stopped the sewerage flowing into that pipe to limit further discharge. The Technical Coordinator is monitoring the overflow relief access chamber to ensure sewerage doesn't discharge at a second location.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>The Technical Coordinator received an odour complaint by telephone from a Gapuwiyak resident. They explained they noticed a strong odour when standing at the airport. When the matter was investigated a leak in the 150mm sewer rising main was discovered approximately 340m away from the airport. On discovery the discharge was reported to Environmental Services.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>Inspection was undertaken by BV Contracting. The contractor believes aging infrastructure bedded in rock is the cause for a leak on the 150mm sewer rising main (see Appendix B, photo 1).</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii sewerage has leaked from the 150mm sewer rising main, before reaching the ponds, and pooled in bushland (see Appendix B, photo 2).</p>
<p>(d) how the pollution has occurred, is occurring or may occur</p>	<p>As per (c) iii & (c) iv.</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 has been arranged to be erected hopefully by 26 September 2023, depending on timing of supplies. Warning signs with pictograms will be erected to warn members of the community.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>The sewer pump station was isolated at 12:00 noon on 25 September 2023 and overflow put into emergency overflow storage. Discharge was checked for gross pollutants with none found.</p> <p>Clean up is consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the Environment.</p>

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



Appendix B –

Photographs of the spill location



Photo 1. Leak in 150mm sewer rising main



Photo 2. Discharge pooling in bushland