

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

Date and Time of Notification:	Wednesday 1 st December 2021, 16:00hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of raw 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>Diluted 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 Numbulwar Pond 1 Outlet – no recent inlet samples are available for this site. Rainfall leading up to the overflow was 98 mm for the previous 3 days, therefore slightly diluted sewage is expected to have overflowed (BOM Weather Stn: 014518 – Groote Eylandt Airport).</p> <table border="1" data-bbox="576 1218 1382 1413"> <thead> <tr> <th colspan="3">Bacteriological</th> </tr> <tr> <th></th> <th>E. coli</th> <th>Enterococci</th> </tr> <tr> <th>Date</th> <th>E. Coli (MPN/100mL)</th> <th>Enterococci (MPN/100mL)</th> </tr> </thead> <tbody> <tr> <td>14/04/2021</td> <td>>241960</td> <td>1317</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 the site of discharge. The area affected by the spill covered an area of approximately 5-10 square meters and pooled on the side of the road, it did not travel to any drainage lines.</p>	Bacteriological				E. coli	Enterococci	Date	E. Coli (MPN/100mL)	Enterococci (MPN/100mL)	14/04/2021	>241960	1317
Bacteriological													
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14/04/2021	>241960	1317											
<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>150mm diameter PVC sewer rising main that runs between sewage pumping station #1 and the Numbulwar waste stabilisation ponds.</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: 135.7371168 E, -14.2811973 S Final discharge point: 135.7371168 E, -14.2811973 S (same as discharge location) 												

	<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>The discharge occurred adjacent to the community access road, which the public has access to, however signage has been erected, to warn members of the community of the spill.</p>
(c) the date and time of the incident	<p><i>i. The time and date of commencement and cessation of the discharge.</i></p> <p>The exact commencement time of the spill is unknown. The spill was first observed around 10:00hrs on the 30th November 2021 by the Essential Services Operator (ESO). The spill was stopped at approximately 10:15hrs by temporarily turning off the sewage pumping station, excavating around the spill site and repairing the broken pipe. This work was completed around 14:00hrs 30/11/2021.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>The Essential Services Operator (ESO) noticed the spill on the side of the road on the morning of the 30th November 2021 and then notified the PWC Coordinator.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>The sewer rising main is assumed to have deteriorated over time since installation, and under the pressure of the sewage pumping station, the pipe gave way.</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii.</p>
(d) how the pollution has occurred, is occurring or may occur	As per (c) iii.
(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><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>Warning signage has been installed around the site to deter the public from entering the area. Photos attached.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Clean up undertaken to minimise risk to public health and the environment. Area was inspected for gross pollutants of which none were observed. The excavation site had clean fill applied to the surface covering the affected area.</p>
(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



Photo 1 – Pre-clean up



Photo 2 – Repaired main



Photo 4 & 5 – Post-clean up / Warning Signage

