

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

Date and Time of Notification:	Final: Friday 30 January 2026, 13:45
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of highly diluted sewage effluent from sewerage network (multiple locations), due to wet weather

(a) the incident causing or threatening to cause pollution	i. Description of the waste that was discharged. Highly diluted sewage. ii. Indicative wastewater quality for the discharge. Inflow data to Ludmilla Wastewater treatment plant (WWTP) peaked on 20 January at around 20:00, with an inflow of 3.15ML/hr, which equates to 75.69ML/day. Based on table 1 below, this translates to the effluent being classed as highly diluted. Table 1: Inflows to Ludmilla WWTP <table><tr><th></th><th>Median Inflow (ML)</th><th>Median E. coli</th><th>Median Enterococci</th><th>Dilution Terminology</th></tr><tr><td>below ADWF</td><td>11.401</td><td>14,136,000</td><td>713,550</td><td>Undiluted</td></tr><tr><td>>ADWF</td><td>13.253</td><td>11,616,000</td><td>727,000</td><td>Partially Diluted</td></tr><tr><td>>2xADWF</td><td>29.629</td><td>8,164,000</td><td>323,000</td><td>Diluted</td></tr><tr><td>>3xADWF</td><td>44.043</td><td>6,488,000</td><td>261,300</td><td rowspan="3">Highly diluted</td></tr><tr><td>>4xADWF</td><td>51.048</td><td>5,634,500</td><td>238,100</td></tr><tr><td>>5xADWF</td><td>99.841</td><td>2,359,000</td><td>218,700</td></tr></table> NOTE: Based on 01/01/2018 to 31/12/2020 inflows to Ludmilla WWTP and monitoring events data. Average dry weather inflow being 11.9012 ML/day. iii. Volume of the waste that was discharged. The volume of waste discharged is unknown. No telemetric monitoring occurs at the site of discharge.		Median Inflow (ML)	Median E. coli	Median Enterococci	Dilution Terminology	below ADWF	11.401	14,136,000	713,550	Undiluted	>ADWF	13.253	11,616,000	727,000	Partially Diluted	>2xADWF	29.629	8,164,000	323,000	Diluted	>3xADWF	44.043	6,488,000	261,300	Highly diluted	>4xADWF	51.048	5,634,500	238,100	>5xADWF	99.841	2,359,000	218,700
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(b) the place where the incident occurred	i. Description of the PWC asset from which the discharge occurred. Following sewage pumping station (SPS): - Botanic Gardens SPS in vegetated landscape between St Johns College and George Brown Darwin Botanic Gardens, The Gardens - Rapid Creek SPS on Rapid Creek Road, Rapid Creek - Lakeside Drive SPS on Lakeside Drive, Alawa - Tiwi SPS on Rocklands Drive, Tiwi Following overflow relief points - East Point on East Point Road, Parap																																	

	- Nightcliff on Aralia Street (jetty end), Nightcliff See Appendix A for a map showing the discharge locations. <i>ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point.</i> Botanic Gardens SPS overflow has stopped: Discharge Point: 130.8379484E, -12.4438096S Final Discharge Point: 130.8376535E, -12.4438329S Rapid Creek SPS overflow has stopped: Discharge Point 1: 130.8633832E, -12.3807108S Final Discharge Point 3: 130.8656911E, -12.3808636S Lakeside Drive SPS overflow has stopped: Discharge Point 2: 130.8684910E, -12.3811690S Final Discharge Point 3: 130.8656911E, -12.3808636S Tiwi SPS overflow has stopped: Discharge Point 1: 130.8762542E, -12.3593292S Final Discharge Point 2: 130.8777985E, -12.3580607S East Point sewage overflow relief point has stopped: Discharge Point 1: 130.8377012E, -12.4344164S Final Discharge Point 2: 130.8363139E, -12.4337503S Nightcliff sewage overflow relief point has stopped: Discharge Point 1: 130.8413348E, -12.3818046S Final Discharge Point 2: 130.8408808E, -12.3819234S <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> Public access to the SPS overflow locations was possible, but unlikely, as the discharge point is within areas not intended for public access.
(c) the date and time of the incident	<i>i. The time and date of commencement and cessation of the discharge.</i> The Botanic Gardens SPS overflow began at 20:51 on 20 January 2026 and stopped overflowing at 22:20 on 20 January 2026. Power and Water became aware of the overflow at 09:30 on 21 January 2026. The Rapid Creek SPS overflow began at 20:41 on 20 January 2026. and stopped overflowing at 23:10 on 22 January 2026. Power and Water became aware of the overflow at 09:30 on 21 January 2026. The Lakeside Drive SPS overflow began at 18:58 on 20 January 2026 and stopped overflowing at 12:00 on 26 January 2026. Power and Water became aware of the overflow at 09:30 on 21 January 2026. The Tiwi SPS overflow began at 14:28 on 20 January 2026, stopped at 00:06 on 21 January 2026, started at 04:37 on 22 January 2026 and stopped at 11:43 on 22 January 2026. Power and Water became aware of the overflow at approximately 09:15 on 22 January 2026. Due to heavy overnight rainfall (evening of 21 January 2026 and early morning of 22 January 2026) pressure relief valves found to be discharging at:

	- East Point (started at 20:10 on 20 January 2026 and stopped at 15:55 on 21 January 2026) - Nightcliff (started at 21:15 on 20 January 2026 and stopped at 22:55 on 21 January 2026) Power and Water became aware of this at approximately 09:15 on 22 January 2026. Please note. Future overflows of diluted sewage at these, and other, points may be likely pending forecasted wet weather. <i>ii. How PWC were notified, or became aware of the discharge.</i> SCADA wet well high-level alarms notified Power & Water operations staff of the overflows. <i>iii. The process by which the discharge occurred.</i> Recent rainfall events during the wet season saturate the ground. A recent intense rainfall event has inundated the sewer systems with stormwater, through a combination of inflow and infiltration. This led to the pump stations becoming overwhelmed, as combined inflows exceeded the pumping capacities of the pump stations. <i>iv. The reason why the discharge occurred.</i> As per (c) iii.
(d) how the pollution has occurred, is occurring or may occur	As per (c) iii & (c) iv.
(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	<i>i. Confirmation signage and fencing has been erected, as appropriate.</i> No signage or fencing was erected for the SPS overflows as public access to the overflow point is very unlikely. However, relief overflow locations in East Point and Rapid Creek have permanent signage in place which are opened and closed as needed to inform the public. <i>ii. Decontamination of the site as appropriate.</i> Clean up will be consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the Environment.
(f) the identity of the person notifying the NT EPA	PWC Environmental Team on behalf of Water Services

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Appendix A

Botanic Gardens SPS



Rapid Creek SPS & Lakeside Drive SPS



Tiwi SPS



East Point sewage overflow relief point



Nightcliff sewage overflow relief point

