

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

Date and Time of Notification:	Wednesday 2 nd April 2025, 16:00hrs
Person / Company:	Power and Water Corporation
Incident:	Discharge of sewage from sewerage network

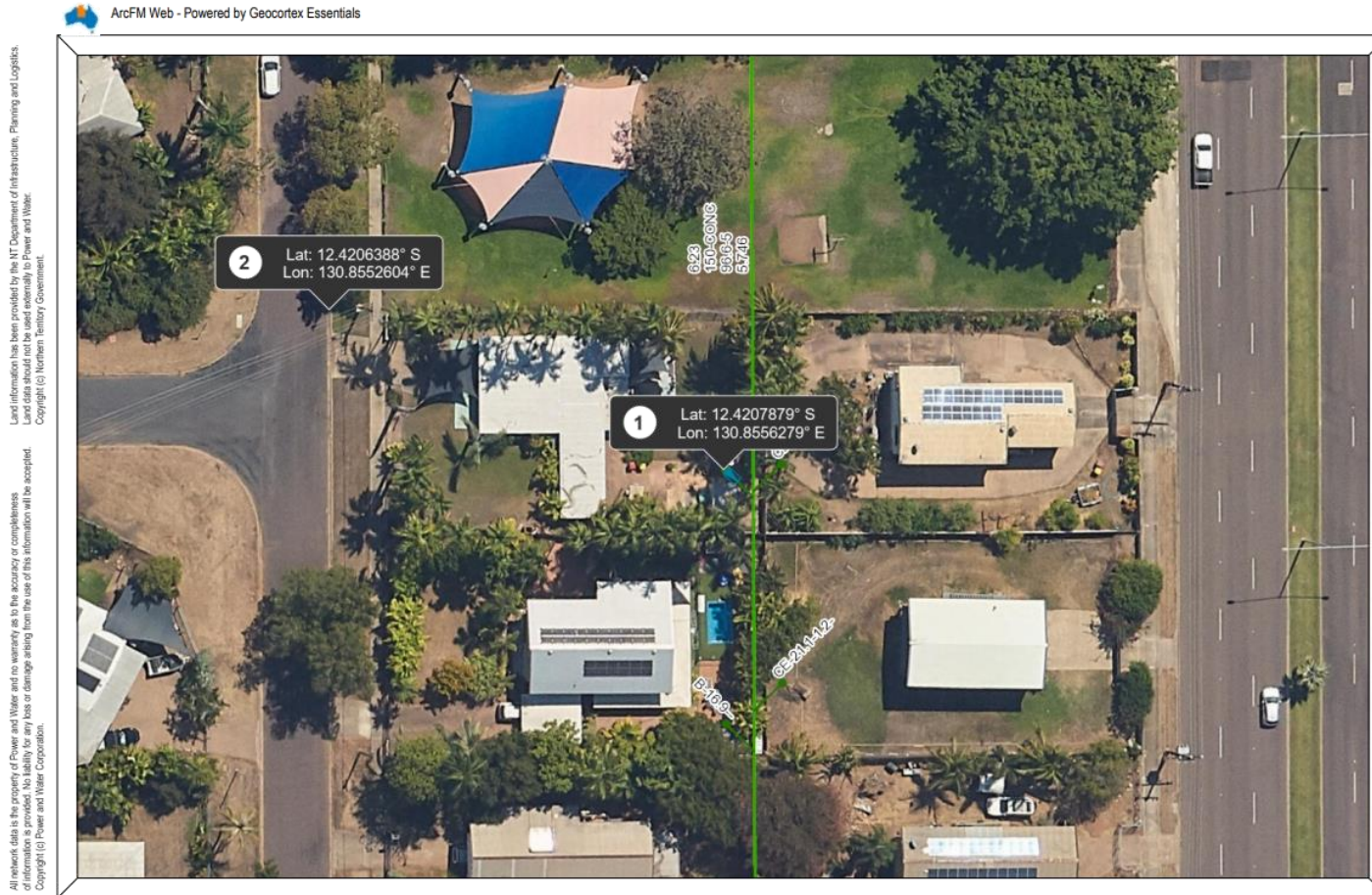
<p>(a) the incident causing or threatening to cause pollution</p>	<p><i>i. Description of the waste that was discharged.</i></p> <p>Highly diluted raw sewage.</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>Rainfall leading up to the initial report of a sewage spill at this location was 47.8mm up to 09:00hrs 01/04/2025, and 74.8mm up to 22:00hrs 01/04/2025 which was the time of the second notification, Bureau of Meteorology (Darwin Airport – 014015). This resulted in an inflow of 1,358L/s to the Ludmilla WWTP, which when extrapolated equates to a peak inflow of 117ML/day. Therefore, based on this information, the spill was highly undiluted. Please refer to the following table for indicative wastewater quality.</p> <p style="text-align: center;">Table 1: Inflows to Ludmilla WWTP</p> <table border="1"> <thead> <tr> <th></th> <th>Median Inflow (ML)</th> <th>Median E. coli</th> <th>Median Enterococci</th> <th>Dilution Terminology</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>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.</p>		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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<p>(b) the place where the incident occurred</p>	<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 of discharge.</p> <p><i>i. Description of the Power & Water asset from which the discharge occurred.</i></p> <p>Inspection opening, at 14 Mosec Street, Ludmilla</p>																																	

	<p><i>ii. GPS coordinates of the discharge point from the Power & Water asset, and the final coordinates of the final discharge point.</i></p> <p>Discharge Point: 130.8556279E, 12.4207879S (approx. location of inspection opening) Final Discharge Point: 130.8552604E, 12.4206388S (stormwater drain)</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 by the public is possible in a very small section of the medium strip where the spill left the property boundary and entered a stormwater drain immediately north of the property.</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 initial report was 08:59hrs with a report of less than 500L having been spilt. The sewer main was inspected and no issue was identified; the area was thoroughly cleaned up and no further action was deemed necessary. A second report of a sewage spill at the same location was received at 21:54hrs, also 01/04/2025. This spill could not be rectified at the time and an effluent bypass of the damaged section is being installed. Permanent repair works cannot commence until inflows and infiltration to the sewerage system subside.</p> <p><i>ii. How Power & Water were notified or became aware of the discharge.</i></p> <p>The occupant at the address notified Power & Water directly.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>The sewer main at that location was previously relined to extend the life of the infrastructure. The liner has now deteriorated to the point that it failed and caused these spills.</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>(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>No fencing or signage has been erected in this instance as there is no longer effluent flowing from the residential yard. A sewage effluent bypass is being installed, to divert the effluent around the damaged section until such time that the repair can be made.</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. The site of the spill and surrounds is now free from any gross pollutants and has been thoroughly cleaned and disinfected.</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 with co-ordinates of discharge point



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Sewage Spill at 14 Mosec Street, Ludmilla

02/04/2025