

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

<b>Date and Time of Notification:</b>	Wednesday 1 <sup>ST</sup> February 2023, 08:27hrs
<b>Person / Company:</b>	Power and Water Corporation ( <b>PWC</b> )
<b>Incident:</b>	Discharge of sewage from sewerage network (gas trap manhole cover)

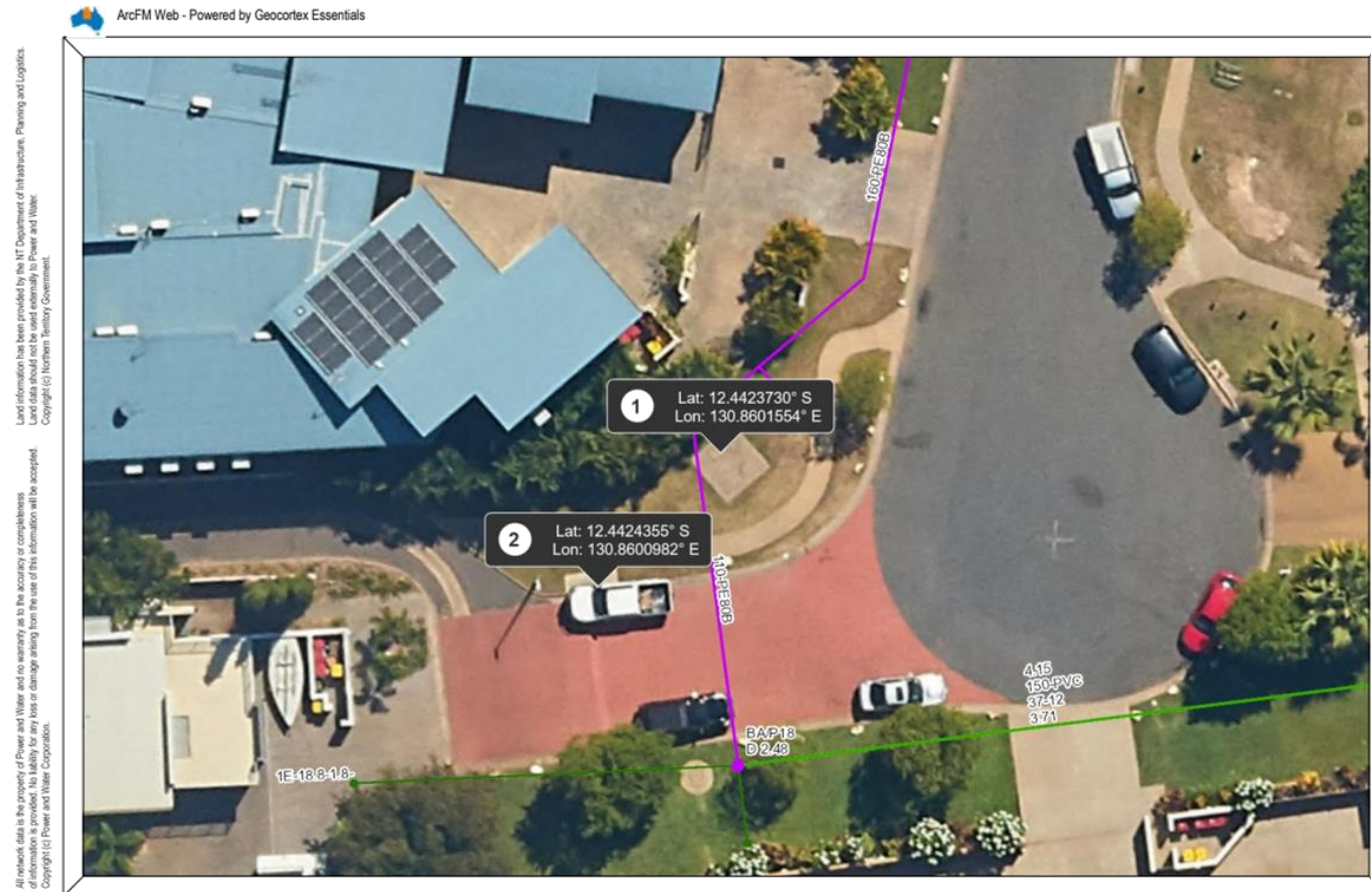
<p><b>(a) the incident causing or threatening to cause pollution</b></p>	<p><i>i. Description of the waste that was discharged.</i></p> <p>Raw sewage</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>Given the close proximity to the source, this spill is unlikely to be diluted by any inflow or infiltration, therefore is considered to be of the same quality as indicated in table 1 below, for average dry weather flows. Please refer to the following table for indicative wastewater quality.</p> <p style="text-align: center;"><b>Table 1: Inflows to Ludmilla WWTP</b></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>&gt;ADWF</td> <td>13.253</td> <td>11,616,000</td> <td>727,000</td> <td>Partially Diluted</td> </tr> <tr> <td>&gt;2xADWF</td> <td>29.629</td> <td>8,164,000</td> <td>323,000</td> <td>Diluted</td> </tr> <tr> <td>&gt;3xADWF</td> <td>44.043</td> <td>6,488,000</td> <td>261,300</td> <td rowspan="3">Highly diluted</td> </tr> <tr> <td>&gt;4xADWF</td> <td>51.048</td> <td>5,634,500</td> <td>238,100</td> </tr> <tr> <td>&gt;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><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. It was estimated by the field crew to be approximately 500 litres.</p>																																		
<p><b>(b) the place where the incident occurred</b></p>	<p><i>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>Vacuum pit manhole cover (BA/P17), at 78 O'Ferrals Road, Bayview (Lot 6209).</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>Approximate locations are as follows;</p>																																	

	<p>Discharge Point: 130.8601554E, -12.4423730S (manhole)  Final Discharge Point: 130.8600982E, -12.4424355S (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 to the discharge location was possible up until the Power and Water Sewer Reticulation Field Crew arrived on the scene to remediate the issue and thoroughly clean the area. The spill was stopped at approximately 08:50hrs 31/01/2023.</p>
<p><b>(c) the date and time of the incident</b></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, The overflow was observed by the Power and Water staff at approximately 08:30hrs 31/01/2023; and the spill was stopped by 08:50hrs 31/01/2023.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>This overflow was reported by one of the residents to the Power and Water call centre, who then relayed the information to the Power and Water sewer reticulation team that attended the site at 08:30hrs 31/01/2023, and undertook action to resolve the situation and make it safe.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>The cause of the spill was due to a mechanical issue, within the vacuum pit. A valve assembly dislodged from its connection.</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii. Sewerage network infrastructure has been designed to overflow with the best public health and environmental outcomes possible. Design focuses on not overflowing directly inside houses; rather discharge is designed to occur in a controlled manner at locations which can be accessed for infrastructure repair and clean up and with minimal public health or environmental impacts.</p>
<p><b>(d) how the pollution has occurred, is occurring or may occur</b></p>	<p>As per (c) iii &amp; (c) iv.</p>
<p><b>(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</b></p>	<p><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>Fencing and signage has not been erected around the spill, as the area was left in a clean and safe state, prior to leaving the scene.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Clean up consistent with the Power and Water Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the environment. The vacuum valve assemble was reconnected as per design and upon resolution of the fault, the site was left in a thoroughly cleaned state, free from any gross pollutants. The field crew remained on the scene to approximately 12:00hrs, ensure the fault was repaired properly and the issue would not reoccur.</p>

<p>(f) the identity of the person notifying the NT EPA</p>	<p>PWC Environmental Team on behalf of Water Services</p>
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### Appendix A – Location map



Appendix B – Photographs of the spill area, post fault rectification and clean-up.



Figure 1. Photograph of the spill site post clean-up, taken 31/01/2023 at 13:12hrs.



Figure 2. Photograph of the spill site post clean-up, taken 31/01/2023 at 13:12hrs.