

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

Date and Time of Notification:	Friday 29 th April 2022, 10:00hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of raw sewage from Overflow Relief Grate at 1 Dunbar Street Gray.

<p>(a) the incident causing or threatening to cause pollution</p>	<p><i>i. Description of the waste that was discharged.</i></p> <p>Raw sewage, rapidly diluted.</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>Raw sewage from one residential customer, rapidly diluted by significant local rainfall. Rainfall in the preceding 24hr was 22.4mm mm (station Driver Primary School) As a result the sewage was undiluted but as soon as it left the ORG became highly diluted. Please refer to the following table for indicative wastewater quality.</p> <p>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> <p><i>iii. Volume of the waste that was discharged.</i></p> <p>The volume of waste discharged is unknown as via an unmetred overflow relief point. As from a single customer via private overflow relief point, the proportion of raw sewage was minimal. Volumes difficult to assess as sewage was immediately diluted by a significant rainfall event.</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>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>Non PWC asset. Customers Overflow relief grate.</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>Discharge Point: 12.4864353 S 130.9824533E</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>Internal property at 1 Dunbar street Gray. Significant rainfall carried discharge out of the property, across the verge and into the stormwater drain.</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 time observed was approximately Thursday 28th April at 17:50hrs . Discharge ceased at approximately 18:00hrs.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>Customer notified Power and Water.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>Blockage caused the sewage to back up and overflow from customers ORG.</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	<p>As per (c) iii & (c) iv.</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><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>Within private property and cleaned up by Power and Water.</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the Environment. Site vacuumed trucked, disinfected and gross pollutants removed.</p> <p><i>iii. Attempts made to prevent, reduce or control the discharge</i></p> <p>Blockage removed by customer's plumber.</p>
(f) the identity of the person notifying the NT EPA	<p>PWC Environmental Team on behalf of Water Services</p>

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Appendix A – Location map



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Appendix B: Additional Photos

