

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

<b>Date and Time of Notification:</b>	Sunday 30 <sup>th</sup> December 2022, 0646hrs
<b>Person / Company:</b>	Power and Water Corporation ( <b>PWC</b> )
<b>Incident:</b>	Discharge of <b>highly dilute raw sewage</b> from <b>overflow relief valve</b> at corner of Lakeside drive and Trower road.

<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>Highly dilute raw sewage</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>The flows were <b>greater than 3 times average dry weather flows</b>. Rainfall in the preceding 24hr was 55.8mm (station number 14015). As a result the sewage was <b>highly diluted</b>. Please refer to the following table for indicative wastewater quality.</p> <p><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> <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 and is ongoing.</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
	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																															
<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>Overflow relief valve.</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: 12.3856748S 130.8649649E</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>Area has been fenced off to limit public access. The area is nominally public open space.</p>
<b>(c) the date and time of the incident</b>	<p><i>i. The time and date of commencement and cessation of the discharge.</i></p> <p>The time observed was approximately 0646hrs 30/01/2022. Discharge is ongoing.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>Operator conducting checks.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>Sewer system inundated with water associated with heavy monsoon rainfall, which exceeded the design capacity of the sewer infrastructure.</p> <p><i>iv. The reason why the discharge occurred.</i></p> <p>As per (c) iii.</p>
<b>(d) how the pollution has occurred, is occurring or may occur</b>	<p>As per (c) iii &amp; (c) iv.</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><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>Fencing and signage erected</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Containment consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the Environment. Site inspected for any gross pollutants, and the area has not been disinfected as overflow ongoing.</p> <p><i>iii. Attempts made to prevent, reduce or control the discharge</i></p> <p>As per (e) ii.</p>
<b>(f) the identity of the person notifying the NT EPA</b>	<p>PWC Environmental Team on behalf of Water Services</p>

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

Appendix A – Location map



