

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

Date and Time of Notification:	Sunday 1 December 2024 at 4:00pm
Person / Company:	Power and Water Corporation
Incident:	Discharge of partially diluted effluent from sewerage network from the Fairway Waters Sewage Pump Station in Durack, Palmerston

<p>(a) the incident causing or threatening to cause pollution</p>	<p><i>i. Description of the waste that was discharged.</i></p> <p>Partially diluted sewage effluent, diluted by stormwater.</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>Indicative wastewater quality for these overflows may be interpreted from Table 1. A high rainfall event commenced on the afternoon of Saturday 30 November 2024 and continued for 1 hour. Rainfall figures as of 3:30 pm 1/12/2024 are shown in table 2.</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>Table 2: Recent 24 Hour Rainfall Figures for Knuckey Lagoon (Station 14988)</i></p> <table border="1"> <thead> <tr> <th colspan="2"><i>Knuckey Lagoon Rainfall Figures (Station 14988)</i></th> </tr> </thead> <tbody> <tr> <td><i>30/11/2024</i></td> <td><i>4.2 mm</i></td> </tr> <tr> <td><i>1/12/2024</i></td> <td><i>50.2 mm</i></td> </tr> </tbody> </table> <p><i>Source of information: Australian Government Bureau of Meteorology</i></p> <p><i>iii. Volume of the waste that was discharged.</i></p> <p>The volume of wastewater discharged at the discharge location is unknown as no telemetric monitoring occurs at this location.</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	<i>Knuckey Lagoon Rainfall Figures (Station 14988)</i>		<i>30/11/2024</i>	<i>4.2 mm</i>	<i>1/12/2024</i>	<i>50.2 mm</i>
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<p>(b) the place where the incident occurred</p>	<p><i>ii. Description of the PWC asset from which the discharge occurred.</i></p> <ul style="list-style-type: none"> Fairway Waters Sewage Pumpstation (SPS) 																																							

	<p><i>ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point.</i></p> <ul style="list-style-type: none"> • Fairway Waters SPS <ol style="list-style-type: none"> 1. SPS: -12.4708691, 130.9701396 2. Discharge Point: -12.4708813, 130.9704097 <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>Public access is possible to the discharge location as it relates to an open unlined stormwater drain that intersects the Palmerston Golf Course. This unlined drain leads into Durack Lakes. Clean up consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the environment.</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> <ul style="list-style-type: none"> • Fairway Waters Sewer Pump Station (SPS) Started: 1:45pm 30/11/2024 Stopped: 2:45pm 30/11/2024 <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>A high-level alarm alerted operations staff to the overflow.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>Due to high rainfall event occurring in the Palmerston catchment, significant quantities of inflow and infiltration of stormwaters has diluted and significantly increased volumes of sewage effluent in the sewerage system. As a result of this, a diluted sewage effluent overflow has occurred from the sewerage infrastructure.</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>Where appropriate, signage is displayed to alert the public and fencing has been erected to prevent access to the sites where appropriate, as per the Power & Water Sewage Spills/Overflow Response Work Instruction.</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, and to minimise risk to the environment. Discharge sites inspected for any gross pollutants and removed as required.</p>

<p>(f) the identity of the person notifying the NT EPA</p>	<p>Power and Water Environmental Services team on behalf of Water Services</p>
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Fairway Waters SPS

