

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

Date and Time of Notification:	Tuesday 5 th February 2019, 12:06 pm
Person / Company:	Power and Water Corporation (PWC)
Incident:	Overflow of highly diluted sewage from the Ludmilla Sewerage Pump Station (SPS).
(a) the incident causing or threatening to cause pollution	<p>A wet weather/ monsoonal event has inundated the sewer system with stormwater run-off resulting in an overflow from the specifically designed overflow relief pipe at the back of the Ludmilla SPS.</p> <p>The overflow is expected to have occurred intermittently during periods of heavy rainfall.</p> <p>Volume: 1000L.</p> <p>Wastewater from the Ludmilla SPS flows towards a low lying area behind the Ludmilla SPS, then flows towards the Ludmilla Creek.</p> <p>The sewerage catchments consist mainly of residential dwellings, it would be expected that the waste would be faecal matter and associated gross pollutants (earbuds, tissues, rags, sanitary items etc.). As the incident occurred as a result of a rainfall event, the waste material would be highly diluted as a result of stormwater inflow and infiltration.</p> <p>No sampling of the discharge water occurred at the time of the overflow. PWC has engaged CDU to undertake wet weather overflow water quality study. Due to the poor wet season currently being experience the results of the study are unlikely to be received by PWC until the end of the year (2019/2020 wet season). The aim of this project is to describe the quality of wastewater at both the discharge point and further downstream "source tracking".</p>
(b) the place where the incident	The overflow was to the ground behind the

<p>occurred</p>	<p>Ludmilla SPS, Dickward Drive, Ludmilla (see attachment 1).</p> <p>-12.41419388, 130.8509997</p> <p>Final discharge location: Ludmilla creek, It is considered that significant flushing within the area occurred following the next high tide.</p>
<p>(c) the date and time of the incident</p>	<p>PWC operations group were notified prior to the overflow occurring via a high level alarm in the wet-well. This alarm activates when wastewater levels within the wet-well exceed a certain level. Once the capacity of the wet-well is exceeded the overflow occurs. Following the high-level alarm PWCs operations staff attend the site regularly to monitor the overflow.</p> <p>The overflows are expected to have occurred intermittently during periods of heavy rainfall.</p> <p>Start time: Monday 04/02/2019, time 1320hrs Stop time: Tuesday 05/02/2019, time 1000hrs</p>
<p>(d) how the pollution has occurred, is occurring or may occur</p>	<p>A wet weather/ monsoonal event has inundated the sewer system with stormwater run-off resulting in an overflow from specifically designed overflow relief pipe located behind the Ludmilla SPS.</p> <p>Sewage discharged from the overflow pipe onto the ground behind the Ludmilla SPS. The discharge water was clear and no gross pollutants or solids were observed.</p> <p>The estimated volume of wastewater discharged during the over flow was 1000L.</p> <p>Prior to an overflow occurring, there are 2 sections of the sewage system that are designed to have storage capacity prior to the overflow occurring, these include:</p> <ul style="list-style-type: none"> • Collection of wastewater within the wet-well • Sewage backs up into mains before overflow occurs <p>Due to catchment saturation, wastewater was unable to be diverted to other nearby SPS.</p>
<p>(e) the attempts made to prevent, reduce, control, rectify or clean up</p>	<p>Prevent/ Rectify: Incident rectification based</p>

the pollution or resultant environmental harm caused or threatening to be caused by the incident	on reduction in catchment rainfall levels. Overflows will cease when volumes in the system reduce. Control: Crews monitoring site to manage overflow pathway and collect any solid material (No gross pollutants were observed). Clean-up: ongoing site monitoring for and clean-up of gross pollutants (giving considerations to weather conditions). No gross pollutants were observed.
(f) the identity of the person notifying the NT EPA	Laura Haycock on behalf of Water Services, Power and Water Corporation.

Attachment 1: Site map.

