

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

Date and Time of Notification:	Thursday 31 st January 2019.
Person / Company:	Power and Water Corporation (PWC)
Incident:	Overflow of highly diluted sewage from a manhole outside of 24 East Point Road, Fanny Bay to stormwater.
(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 a manhole.</p> <p>Overflows from manholes occur when the pump capacity at nearby Sewerage Pump Station(s) (SPS) is exceeded, which results in the manhole surcharging.</p> <p>Volume: Approximately 5000L – No telemetric monitoring occurs at manholes.</p> <p>The overflows are expected to have occurred intermittently during periods of heavy rainfall.</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>

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<p>(b) the place where the incident occurred</p>	<p>Manhole outside of 24 East Point Road, Fanny Bay (refer to attachment 1).</p> <p>Final discharge location: Unknown.</p>
<p>(c) the date and time of the incident</p>	<p>Overflow was identified on Monday February 4, 2019.</p> <p>There is no telemetric monitoring of manholes, PWC operations staff identified this overflow during an inspection of the site. This manhole is known to overflow during wet weather/ monsoonal event.</p> <p>Start time: Thursday 31/01/2019, time unknown Stop time: Friday 01/02/2019, time unknown</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 to an adjacent manhole.</p> <p>Overflows from manholes occur when the pump capacity at nearby Sewerage Pump Station(s) (SPS) is exceeded, which results in the manhole surcharging.</p> <p>Surcharging from the manhole stops when there is a reduction in catchment rainfall levels.</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 to an adjacent stormwater pit.</p> <p>Sewage surcharged from the manhole into a nearby stormwater entry pit. No gross pollutants or solids were observed. A collection chamber is located prior to the overflow relief valve, which removes solids from the sewage before entering the overflow pipe.</p>

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	<p>The overflow vol. is unknown as there is no telemetric monitoring of manhole.</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"> • SPS wet-wells • Sewage backs up into mains before overflow occurs
<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>Prevent/ Rectify: Incident rectification based on reduction in catchment rainfall levels. Overflows will cease when volumes in the system reduce.</p> <p>Control: Crews monitoring site to manage overflow pathway and collect any solid material (No gross pollutants were observed).</p> <p>Clean-up: ongoing site monitoring for and clean-up of gross pollutants (giving considerations to weather conditions). No gross pollutants were observed.</p>
<p>(f) the identity of the person notifying the NT EPA</p>	<p>Laura Haycock on behalf of Water Services, Power and Water Corporation.</p>

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Attachment 1: Site map

