

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

Date and Time of Notification:	Monday 3rd June 2019, 14:26pm
Person / Company:	Power and Water Corporation (PWC)
Incident:	Overflow of raw sewage from Finke Waste Stabilisation Ponds (WSPs) rising main.

(a) the incident causing or threatening to cause pollution	<p><i>i. Description of the waste that was discharged.</i></p> <p>Raw sewage.</p> <p><i>ii. Indicative wastewater quality for the discharge.</i></p> <p>We do not have any analysis results from the site for raw sewage quality, however the basis used for pond design is as follows:</p> <p>BOD: 200mg/L</p> <p>E. coli: 5×10^6 cfu/100mL</p> <p>Helminth eggs: 500/mL</p> <p>Ammonia: 28mg/L</p> <p>TKN: 52 mg/L</p> <p><i>iii. Volume of the waste that was discharged.</i></p> <p>The volume of waste discharged is believed to be approximately 24kL. This is based on SCADA monitoring at the site, and the assumption that all wastewater pumped to ponds has discharged via the break in the rising main.</p>
(b) the place where the incident occurred	<p>Finke Waste Stabilisation Ponds Rising Main (see map below).</p> <p><i>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>From the wastewater rising main, approximately 30m upstream from the fence of the ponds site.</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: Lat: 25° 33.8099643'S Long: 134° 34.4458172'E Final discharge/pooling point: Lat: 25° 33.8492268'S Long: 134° 34.3929937'E</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>There are no restrictions to the public accessing this area. The public access is available throughout the area via nearby bushland surrounding the ponds, however is not believed to occur regularly. The site is approximately 1.6km from the community.</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 commencement time of the overflow is unknown. The overflow was observed at approximately 9:00am on 3/06/19 and ceased at approximately 8.30am 4/06/19. The rate of overflow was approximately 2kL/hr. Contractors mobilised to the site early 4/06/19 and repaired the rising main.</p> <p><i>ii. How PWC were notified, or became aware of the discharge.</i></p> <p>PWC were notified by the Finke Essential Service Officer.</p> <p><i>iii. The process by which the discharge occurred.</i></p> <p>It appears that a blockage has occurred in the rising main just upstream of the inlet to the pond system, resulting in the failure of a joint in the rising main and a discharge of raw sewage.</p> <p>The discharge occurred only when the sewer pump station was operational. The sewer pump station runs for approximately two minutes every hour. Pooling of the discharge largely disappeared between pump station runs, and has completely cleared since the SPS was turned off at 8:30am 4/06/19.</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>Contractors have been engaged and mobilised to the site in the early morning of 4/6/19 and have undertaken the repair. PWC staff will monitor the site to ensure repairs undertaken are sufficient. No evidence of gross pollutants were observed at the overflow site.</p> <p>Clean-up undertaken as per Sewage Spills/Overflow Response Work Instruction.</p> <p><i>i. Confirmation signage and fencing has been erected, as appropriate.</i></p> <p>The site has <u>not</u> been fenced off or signage put in place due to the location of the overflow being within a gully 1.6km from the community. Concerns are had for installing star pickets for signage, and temporary fencing when motorbike riders may collide with the equipment due to the location. Local service providers within the community have been notified of the overflow (i.e. clinic, council office).</p> <p><i>ii. Decontamination of the site as appropriate.</i></p> <p>Clean up undertaken consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location and to minimise risk to the environment.</p>
(f) the identity of	

<p>the person notifying the NT EPA</p>	<p>PWC Environmental Team on behalf of Remote Services</p>
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