

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

Date and Time of Notification:	Monday 3 rd October 2022, 15:30hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of sewage from sewerage network (no gross pollutants)

(a) the incident causing or threatening to cause pollution	i. Description of the waste that was discharged. Raw sewage (no gross pollutants) ii. Indicative wastewater quality for the discharge. Indicative wastewater quality for this overflow can be found in Table 1. Table 1 includes wastewater results from the Alice Springs Wastewater Treatment Plant inlet. Rainfall leading up to the overflow was 0.0mm for the previous 3 days (BOM Weather Stn: 015590 – Alice Springs Airport), therefore raw sewage has spilt. Table 1. <table><tr><th>Sample Date</th><th>Location</th><th>E. Coli (MPN/100 mL)</th><th>Dissolved Oxygen (DO) - field (mg/L)</th><th>Electrical Conductivity (field) (mS/cm)</th><th>pH (field) (pH units)</th></tr><tr><td>16/08/2022</td><td>SAA080 A PONDS EP10 ILPARPA</td><td>51.0</td><td>4.4</td><td>5.04</td><td>9.25</td></tr><tr><td>9/08/2022</td><td>SAA080 A PONDS EP10 ILPARPA</td><td>43.0</td><td>9.63</td><td>4.83</td><td></td></tr></table> iii. Volume of the waste that was discharged. The volume of waste discharged is unknown. No telemetric monitoring occurs at this location, it is however estimated to be around 400 litres.	Sample Date	Location	E. Coli (MPN/100 mL)	Dissolved Oxygen (DO) - field (mg/L)	Electrical Conductivity (field) (mS/cm)	pH (field) (pH units)	16/08/2022	SAA080 A PONDS EP10 ILPARPA	51.0	4.4	5.04	9.25	9/08/2022	SAA080 A PONDS EP10 ILPARPA	43.0	9.63	4.83	
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(b) the place where the incident occurred	i. Description of the PWC asset from which the discharge occurred. PWC Sewer main line (589.812 150PVC 43 2-1.1-), outside of private residence at No.2 (lot 6474) Braitling – Alice Springs. ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point. Discharge Point: 133.8732142E, 23.6738235S Final discharge point: Immediately surrounding discharge point. No sewage reached the road or stormwater system.																		

	<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> Access to the public was possible for a short period of time between the time the spill started, ~06:50hrs and when first observed by PWC field crew at 07:01hrs 03/10/2022. After this time until the spill was stopped, 08:44hrs 03/10/2022, field crews would have warned members of the public of the hazard.
(c) the date and time of the incident	<i>i. The time and date of commencement and cessation of the discharge.</i> The commencement time of the spill is approximately 06:50hrs 03/10/2022. A PWC sewer reticulation field crew attended the site at 07:01hrs and the blockage was resolved by 08:44hrs 03/10/2022. <i>ii. How PWC were notified, or became aware of the discharge.</i> The spill was initially reported by a local resident who advised PWC of the spill. <i>iii. The process by which the discharge occurred.</i> A blockage of the DN150 sewer main, which was as a result of foreign objects being discarded into the sewer system impeded the flow, resulted in raw sewage overflowing from the manhole. <i>iv. The reason why the discharge occurred.</i> As per (c) iii. A combination of foreign objects being incorrectly disposed of into the sewer system and tree roots penetrating the sewage pipework impeding normal flows resulted in a blockage of the sewer main.
(d) how the pollution has occurred, is occurring or may occur	As per (c) iii & (c) iv.
(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	The clean-up was undertaken as per Sewage Spills/Overflow Response Work Instruction. Affected areas such as the footpath was disinfected and pressure washed. <i>i. Confirmation signage and fencing has been erected, as appropriate.</i> During the entire time of the repair and clean up, PWC and/or contractors were on site to warn passers-by of the sewage spill, until such time that the area was safe. Upon resolution of the blockage, the area was cleaned comprehensively to ensure the area was safe for the public to access immediately. <i>ii. Decontamination of the site as appropriate.</i> Clean up consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the environment.
(f) the identity of the person notifying the NT EPA	PWC Environmental Team on behalf of Water Services

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Appendix A – Location map.



Appendix B – Photographs of the discharge point (manhole) and immediate surrounds.



