ntepa Northern Territory Environment Protection Authority

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

Date and Time of Notification:	Friday 30 th 2023, 15:00hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of sewage from sewerage network – Inspection opening

(a) the incident causing or threatening to cause	<i>i.</i> Description of the waste that was discharged.		
pollution	Raw sewage (no gross pollutants)		
	ii. Indicative wastewater quality for the discharge.		
	There was no wastewater quality data available for Daguragu waste stabilisation ponds inflows. The nearest community with a waste discharge licence that has some data on pond inflow wastewater quality is Kalkarindji, which is 200 kilometres away. See below for indicative wastewater quality data.		
	Sample DateDescriptionE. coli (MPN/100 mL)Enterococi (MPN/100 mL)Ammonia Nitrogen (MPN/100 mL)Nitrate as N(NO3-N) (mg/L)Nitrate as N (NO3-N) (mg/L)Nitrite as 		
	17/01/23 KALKARINDJI POND 1 INLET 27,900.0 1,000.0 13.0 0.1 0.1 0.1 0.4		
	Phosphor us - Filterable Biochemical Phosphorus Dissolved Oxygen (mg/L) Dissolved Oxygen (mg/L) Dissolved Oxygen (mg/L) Total Dissolved (lab) Total Dissolved Dis		
	0.9 2.9 8.5 10.0 0.3 550.0 870.0 50.0 40.0 49.0 7.92		
	<i>iii. Volume of the waste that was discharged.</i>The volume of waste discharged is unknown. No telemetric monitoring occurs at this location. An estimate from the plumber was 5 to 10 kilolitres.		
(b) the place where the incident occurred	I. Description of the PWC asset from which the discharge occurred.		
	The overflow emanated from a sewerage inspection opening, located on a vacant block, lot 163, Daguragu.		
	ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point.		
	Discharge Point: 130.8062539E, 17.3998728S (inspection opening) Final discharge point: 130.8062181E, 17.4002243S (adjacent property)		

	<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 until it was fenced off to prevent access and contact with the spill. This occurred as soon as possible and the fence was erected by approximately 15:30hrs 29/06/2023.
(c) the date and time of the	<i>i.</i> The time and date of commencement and cessation of the discharge.
incident	The commencement time of the spill is unknown, but was first observed by the Utility Service Contract Worker (USCW), formerly known as ESO at approximately 14:00hrs 29/06/2023. The spill could not be stopped by the USC worker, and a plumber was sent to the community on the 30/06/2023, to rectify the issue. The issue was rectified that afternoon shortly before 16:30hrs 30/06/2023.
	ii. How PWC were notified, or became aware of the discharge.
	The spill was initially reported to the Power and Water Technical Co- ordinator responsible for the community by the Utility Service Contract worker.
	iii. The process by which the discharge occurred.
	The blockage or partial blockage of the sewer main led to the overflow. The cause of the blockage was determined to be foreign objects disposed of into the sewerage system, including rags, forks and other debris.
	iv. The reason why the discharge occurred.
	As per (c) iii.
occurred, is occurring or may occur	As per (c) iii & (c) iv.
(e) the attempts made to	i. Confirmation signage and fencing has been erected, as appropriate.
prevent, reduce, control, rectify or clean up the pollution or resultant environmental harm caused or threatening to be caused by the incident	The USC worker fenced off the immediate area affected by the spill in less than two hours, as there were fencing panels available from nearby construction works. Temporary hand written warning signage was also fixed to the fence and when the plumbing contractor arrived, purpose specific signage that include pictograms were affixed to the fence panels at key locations advising community members to keep away, see appendix B, figure 2.
	ii. Decontamination of the site as appropriate.
	Clean up consistent with Sewage Spills/Overflow Response Work Instruction as appropriate to the location, and to minimise risk to the environment. The area was inspected for any gross pollutants and it was confirmed that the inspection opening lid prevented these from being part of the spill. The affected area was treated by the USC worker with sodium hypochlorite once the spill has ceased.
(f) the identity of the person notifying the NT EPA	Power and Water's Environmental Team on behalf of Water Services

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Appendix A – Location map.

ArcFM Web - Powered by Geocortex Essentials



Appendix B – Location Photographs



Figure 1 – Showing spill source, path and that there are no gross pollutants present.

Fact Sheet Name



Figure 2 – Showing secure pedestrian fencing erected around the spill, now with appropriate warning signage.