

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

Date and Time of Notification:	Thursday 04 th February 2022, 14:10hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Discharge of 464L of transformer oil from 200kva transformer.

(a) the incident causing or threatening to cause pollution	<p><i>i. Description of the waste that was discharged.</i></p> <p>Transformer oil. Not identified as an asset containing PCB Oils according to PWC's register.</p> <p><i>ii. Volume of the waste that was discharged.</i></p> <p>464L of transformer oil.</p>
(b) the place where the incident occurred	<p><i>i. Description of the PWC asset from which the discharge occurred.</i></p> <p>200kva pole mounted transformer.</p> <p><i>ii. GPS coordinates of the spill point from the PWC asset, and the final coordinates of the final discharge point.</i></p> <p>23.7894355 S 133.5035389 E</p> <p><i>iii. Indicate any locations nearby to the spill point for potential sensitive receptors.</i></p> <p>Jay Creek, ~50m West of transformer.</p>
(c) the date and time of the incident	<p><i>i. The time and date of commencement and cessation of the spill.</i></p> <p>The time damage was observed was approximately 1:30pm 03/02/2022 Time reported asset had no oil inside and intern confirming spill was 5:15pm 03/02/2022.</p> <p><i>ii. How PWC were notified, or became aware of the spill.</i></p> <p>Crews attended site to identify fault causing an outage of Telstra infrastructure. Crews identified transformer was critically damaged. It was then later confirmed that the asset had lost all its oil as a result of the damage.</p> <p><i>iii. The process by which the spill occurred.</i></p>

	<p>During extreme weather event (86mm for 24hr to 9am 03/02/2022 station 015590) a pole mounted 200kva transformer became dislodged due to flooding pulling down adjacent pole, which intern compromised the asset holding the transformer. The ceramic bushings broke off when it impacted the ground, leaking 464L of transformer oil contained within to the surrounding floodwater.</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	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	<p><i>i. Attempts made to prevent, reduce or control the discharge</i></p> <p>Site inspections have failed to identify any contamination at site. Power and Water have marked the location where the asset was positioned on the ground, and will conduct a follow up inspection of the area once the surface soils have dried up, to assist identification of any potential hydrocarbon staining in the area. It's anticipated that the oil leaked into the fast flowing floodwaters and was carried away from the immediate area and dispersed downstream.</p> <p>Plans are in place to replace the transformer with a smaller unit, further up the line in a more elevated area, reducing the risk of similar events in the case of any future flooding events.</p>
(f) the identity of the person notifying the NT EPA	PWC Environmental Team on behalf of Power Services

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Appendix A – Location map



Appendix B – Additional Photos.



Figure 1: Jay Creek - Potential Receiving Environment (and downed pole)



Figure 2: Transformer on Ground