

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

Date and Time of Notification:	Friday 18 th February 2022, 14:15hrs
Person / Company:	Power and Water Corporation (PWC)
Incident:	Oil spill from Lucy Ring Main Unit (RMU) and oil leak from an oil filled cable at the Ben Hammond Complex, Woolner.

(a) the incident causing or threatening to cause pollution	<i>i. Description of the waste that was discharged.</i> Transformer oil, confirmed to be PCB free and insulating oil, PCB content still to be confirmed. <i>ii. Volume of the waste that was discharged.</i> The volume of transformer oil spilt from Lucy RMU is estimated to be <50 litres, with approximately 10-30 litres having entered the stormwater drainage network. The volume of insulating oil spilt from oil-filled cable is estimated to be <20 litres, with approximately 15 litres having entered the stormwater drainage network.
(b) the place where the incident occurred	Ben Hammond Complex, 15 Illife Street, Woolner, Darwin <i>i. Description of the PWC asset from which the discharge occurred.</i> 1. Lucy ring main unit (RMU), asset MX842941, Serial Number 76-2238- (containing transformer oil) 2. Oil-filled cable, stored on steel cable drum (containing insulating oil) <i>ii. GPS coordinates of the discharge point from the PWC asset, and the final coordinates of the final discharge point.</i> Lucy RMU - Appendix A: 1. Discharge Point: 130.8440690E, -12.4370085S 2. Final Discharge Point: 130.8440643E, -12.4370965S Oil-filled Cable – Appendix B: 3. Discharge point B: 130.8431982E, -12.4373557S 4. Final Discharge Point B: 130.8432266E, -12.4373046S

	<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 is not possible, PWC personnel only. The Ben Hammond Complex is a secure facility, with fencing all around.
(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 spills is unknown but the Lucy RMU transformer oil spill was first observed on the 4th January 2022, and the Oil-filled cable insulating oil spill was observed on the 24th January 2022. <i>ii. How PWC were notified, or became aware of the discharge.</i> A PWC employee working at the Ben Hammond Complex observed the spills whilst undertaking informal inspections. <i>iii. The process by which the discharge occurred.</i> The Lucy RMU was being stored on a wooden pallet that was insufficient for the load it was carrying and had deteriorated over time, and eventually gave way causing the RMU to fall over. The Oil-filled cable leaked due to damage to the copper pipe that connects the oil reservoir to the cable, possibly due to the rope that holds the end of the cable onto the cable reel being deteriorated. <i>iv. The reason why the discharge occurred.</i> Both items were stored outside the dedicated bunded area used for storing oil-filled assets, as the bund was at capacity.
(d) how the pollution has occurred, is occurring or may occur	Whenever the dedicated bunded area is at capacity, field staff are forced to leave oil-filled assets outside the bunded area.
(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	<i>i. Attempts made to prevent, reduce or control the discharge</i> In both instances, spill kits were deployed once the spills were noticed, with booms being placed around stormwater drain inlets grates. Assets were either righted to prevent further oil loss or had the cable end repositioned to prevent further oil loss. A great deal of work has also gone into making room within the bunded area, by processing all Board of Survey (BOS) assets. BOS allows assets at end of life to be recycled or disposed of.
(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 for Lucy RMU oil spill



Appendix B – Location map for oil-filled cable oil spill



Appendix C – Photographs of the Lucy RMU spill, failed wooden pallet, spill pre and post clean-up.



Appendix D – Photographs of the oil-filled cable spill.



Appendix E – Photographs of the oil-filled cable spill response, deteriorated rope and area post clean-up.

