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Supporting document 5.23.2 Marleston North Photographs

2020-25 Revised Regulatory Proposal 10 December 2019

SAPN - 5.23.2 - Marleston North Photographs - December 2019 - Public

Marleston North Asset Condition Photographs

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1	Marleston – 212 Richmond Road (N	orth)	_	
11A	Oil Test Lab (Transcare)		5	The state of the
11B	Oil Plant & Storage Sheds			
110	Outpost Office		14	11A
11D	Crane Operation Area			
11E	Transformer Workshop & Office			
	(incl. adjacent sheds)		-	100
11F	External Storage Area		-	S Hard J.
11G	Carpark			8
11H	Washbay			
111	White House			
11J	Administration Office			
11K	Substation Maintenance Office	-		
11L	HV Office/Test Centre	1 110		-
11M	Creative Services	a land		
11N	Welding Workshop	A DECK BELL	影世	115
110	Substation Workshop		嚴臣	1
11P	Substation Store	a have the		1 - 11
110	Substation External Storage	18 : 1		3-20
11R	Construction Office		and the second	
115	Lunchroom		国語	1 400
117	Flammable Store	116		10 50
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Bitumen Pavement and Concrete Drain Condition





Full-thickness cracking and subsidence to driveway and pedestrian walkway



Full-thickness cracking to main driveway



Full-thickness cracking and potholing to main driveway and Car park area



• Deep cracking to concrete spoon drain, full-thickness cracking to bitumen pavement, area of previous repair and low roll-over bund



• Deep cracking and movement to concrete spoon drain, full-thickness cracking to bitumen pavement, area of previous repair.



• Full-thickness bitumen cracking and subsidence to main gate entranceway and heavy vehicle turning circle



• Full-thickness bitumen cracking and subsidence to main gate entranceway, concrete gate rail cracking and subsidence.



• Spoon drain cracking and instability, previous repair patches and extent of bitumen cracking to substation store driveway



• Full-thickness bitumen cracking and subsidence, recent repair patches and previous repair patch cracking



• Deep cracking to concrete spoon drain and main driveway to transformer workshop



• Deep cracking to concrete forklift loading ramp to substation workshop and bitumen cracking to main roadway



Deep cracking and movement to concrete forklift loading ramp – substation workshop



Deep cracking and movement to concrete forklift loading ramp – substation workshop. Bitumen cracking to transformer workshop truck loading bay

Transformer Bunded Areas



- Yellow area is Heavy Transformer Oil Containment Concrete Bund unmortared besser block design cracked and leaking.
- Blue area is Bitumen oil containment bund Smaller Transformers low bitumen roll-over bund.



- Heavy Transformer containment bund (besser block) cracking, movement and leaking transformer oil through bund wall;
- Original transformer rail system no longer operational and tagged out of service due to ground subsidence.



Heavy Transformer containment bund (besser block) – cracking, movement and leaking transformer oil through bund wall.



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• Original transformer rail system no longer operational and tagged out of service due to ground subsidence.



Heavy Transformer containment bund (besser block) – cracking, movement and leaking transformer oil through bund wall; Previous bund repair section.



Heavy Transformer containment bund (besser block) – cracking, movement.

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• Smaller Transformer storage area with bitumen roll-over bund compressed flat over time, no longer complies to EPA bunding requirements.



Smaller Transformer storage area with bitumen roll-over bund compressed flat over time, no longer complies to EPA bunding requirements.



• Substation Maintenance – Oil filled equipment bunded area with bitumen roll-over bund flattened over time, bitumen cracking to driveway and repairs.



• Smaller Transformer storage area with bitumen roll-over bund compressed flat over time, no longer complies to EPA bunding requirements.

Transformer Workshop – External Façade, Air-conditioning, Toilets, Showers and Lunchroom





• Original 1950's corrugated iron sheets



• Rusted corrugated iron sheets to the rear wall of the transformer workshop – original 1950's sheets.



Rusted corrugated iron sheets to the rear wall of the transformer workshop – original 1950's sheets.

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• Internal view of Transformer Workshop walls – Corrugated iron sheets, no insulation to workshop.



• Rusted corrugated iron sheets to the rear wall of the transformer workshop – original 1950's sheets.



- Internal view of Transformer Workshop walls Corrugated iron sheets, no insulation to workshop.
- Evap air-conditioning units tagged out of service, now beyond repairable life.



• Transformer Workshop Locker Room and Shower in very poor condition (asbestos cubicle walling).



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• Ladies toilets and shower – Transformer Workshop. Original 1950's fit out in very poor condition with asbestos cubicle panels.



• Mens toilets– Transformer Workshop. Original 1950's fit out in very poor condition with asbestos cubicle panels.



• Transformer Workshop Locker Room – Original 1950's fit-out in very poor condition.



•Mens toilets– Transformer Workshop. Original 1950's fit out in very poor condition.



• Air-Conditioning Evap Units – Corroded through, previously repaired with silicone now beyond repairable life and tagged out of service.



• Substation Construction Modular Lunchroom – Very Poor Condition – Beyond Repair.



• Substation Construction Modular Lunchroom – Roof and floor collapsing. Well beyond useable life.

Admin Office and Substation Maintenance Office



• ATCO Modular Style Buildings – Designed for temporary accommodation but have become permanent.



ATCO Modular Style Buildings – Admin office and substation maintenance office with bitumen cracking and previous patching.



• ATCO Modular Style Buildings – Admin office and substation maintenance office.

Substation Store





• Substation Store – Wood Rot to timber beams and gutter corrosion, with cracked bitumen to pedestrian walkway.



• Bitumen Cracking to pedestrian walkway