

Inspection and Test Plan (ITP) 003: Embankment Construction

Senex Tethys Brine Tank 2

RSA Contractors Pty Ltd

Lot Description: _____

Commencement Date: _____



Abbreviations

Third Party	TP	RSA Contractors	RSA	Nominated Project Personnel	NPP	Principle Contractor	PC
Surveyor	SUR	RPEQ	RPEQ	Supervisor	SUP	Inspect	INS
Test	TST	Project Engineer	PE	Witness Point	WP	Hold Point	HP
Visual	VIS	Check	CHK	Written	WRI	Monitor	M
Milestone	MST	Review	R				

Inspection and Test Plan Details							Contractor			Client		
Item	Inspection Activity	Work By	Standard / Spec	Criteria	Frequency	Record	Resp	Type	Signoff	Resp	Type	Signoff
01	Lot Identification	Contractor	Technical Specification	Location of Works identified in accordance with project technical specification	1/Lot	ITP Verification Checklist/Lot Map	RSA	CHK		Senex	CHK	
02	Underlying Lot Conforms	Contractor	Technical Specification	Foundation preparation works completed in underlying lot.	1/Lot	ITP Verification Checklist/Lot Map	RSA	CHK		Senex	CHK	
03	General Fill Material Requirement	Contractor	Technical Specification	<u>Grading Requirements</u> 75mm sieve –100% passing 37.5mm Sieve – 90 to 100% passing 19mm Sieve – 80 to 100% passing 4.75mm Sieve - 60 to 100% passing 2.36mm sieve - 40 to 95 % passing 0.075mm Sieve –15 to 90% passing <u>Indicator requirements</u> Plasticity Index – 10 to 40% Liquid Limit – 20 to 60% Emerson Class 2 (minimum) Organic content 2% (maximum)	Refer to Table 11 SPE	Laboratory test Certificate	RSA	HP		Senex	HP	

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04	Fill placement	Contractor	Technical Specification	General Fill Placed in continuous, approximately horizontal layers for the full width of the area, having a compacted thickness of not more than 300 mm or less than 75 mm. If the surface of any layer is smooth, it must be scarified to a depth of approximately 30 to 50 mm prior to the placement of the next layer.	Each Lot	ITP Verification Checklist/Lot Map	RSA	WP		Senex	WP	
05	General Fill Testing	Contractor	Technical Specification	$\geq 96\%$ standard MDD. NOTE: $\geq 98\%$ standard MDD for the Earthen Ring Beam General Fill Section. -2% to +2% of OMC	Table 10 Technical specification	Laboratory test Certificate	RSA	HP		Senex	HP	
06	ERB Inspection	Contractor	Technical Specification	Verification of RLs/Elevations filed controls for the ERB	Progressive During Fill Placement	Survey Data	RSA	CHK		Senex	CHK	
07	Survey	Contractor	Technical Specification	RSA shall submit 25%, 50%, 75%, 100% tank pad foundation fill placement completion survey to the superintendent within 48 hours of each milestone achievement	1/Lot	ITP Verification Checklist/Lot Map	RSA	HP		Senex	HP	

Test Details			Normal Testing Level			Required Result(s)
Item	Test	Description	Max Lot Size/Area/	Min Test Frequency	Min No of tests	Criteria
01	AS 1289 .2.22, AS1289.5.1.1, AS 1289.5.4.1, AS1289.5.8.1	General Fill Standard Dry density ratio, Moisture Content	17,970 m3	1/ 500 m3	36	-2% dry to +2% wet OMC SDDR 96%
02	AS 1289 .2.22, AS1289.5.1.1, AS 1289.5.4.1, AS1289.5.8.1	General Fill -Earth Ring Beam Standard Dry density ratio, Moisture Content	320 m3	1/ 50 LM	11	-2% dry to +2% wet OMC SDDR 98%

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03	AS 1289.3.6.1, AS1289.3.3.1, AS1289.3.2.2	PSD and Atterberg limits	17,970 m3	1/1500m3	12	Table 6 Technical Specification
04	AS 1289.3.8.1	Emerson Class	17,970 m3	5 Evenly distributed test around the Tank	5	>=2

Contractor Construction Manager:			
	(Print Name)	(Signature)	(Date)
Client Superintendent:			
	(Print Name)	(Signature)	(Date)

Document Status				
Revision Status	Responsible Person	Signed	Dated	Revision
Draft By:	Madhu Achana			Rev1
Reviewed By:				
Submitted By:				
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