Inspection and Test Plan (ITP) 003: Embankment Construction

Senex Tethys Brine Tank 1
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	**Grading Requirements** 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 **Indicator requirements** Plasticity Index – 10 to 40% Liquid Limit – 20 to 60% Emerson Class 2 (minimum) Organic content 2% (maximum)	Refer to TS Table 11	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	**≥ 96 %** standard MDD. NOTE: **≥ 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. Refer to TS section 3.4	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	25,110 m3	1/ 500 m3	51	-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%

03	AS 1289.3.6.1, AS1289.3.3.1, AS1289.3.2.2	PSD and Atterberg limits	25,110 m3	1/1500m3	17	Table 6 Technical Specification
04	AS 1289.3.8.1	Emerson Class	25,110 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:				
Approved By:				