Lot Description:	Commencement Date:	
Of Description.	Commencement Date.	
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 an	d Test Plan Details				Contrac	tor		Client	
Item	Inspection Activity	Work By	Standard / Spec	Criteria	Frequency	Record	Resp	Type	Signoff	Resp	Туре	Signoff
01	Lot Identification	Contractor	Clause 3.5 of OPS- TETW-CS-SPE-001 IFC Rev 0	Location of Works identified in accordance with project technical specification	1/Lot	ITP Verification Checklist/Lot Map	RSA	Check		Senex	Check	
02	Lot Identification – Lot Plan	Contractor	Clause 3.5 of OPS- TETW-CS-SPE-001 IFC Rev 0	Lot Plan submitted to the Superintendent 5 days prior to the commencement of the Work (if required)	Prior to commencement	ITP Verification Checklist / Lot Plan	RSA	Hold Point		Senex	Hold Point	
03	Underlying Lot Conforms	Contractor	Clause 9.6 of OPS- TETW-CS-SPE-001 IFC Rev 0	The Superintendent shall inspect the results of the testing of each layer in each lot of material for conformance with the Specification.	1/Lot	ITP Verification Checklist/Lot Map	RSA	Hold Point		Senex	Hold Point	
04	Placement of General Fill – Outer Zone and Inner Zone	Contractor	Clause 9.4 of OPS- TETW-CS-SPE-001 IFC Rev 0 Clause 9.6 of OPS- TETW-CS-SPE-001 IFC Rev 0	OPS- E-001 Outer Zone and Inner zone earth fill to be placed, moisture conditioned and compacted generally in layers not exceeding 300mm thickness in line with RSA construction methodology.		ITP Verification Checklist/Lot Map	RSA	Check		Senex	Witness Point	

_ot Description:	Commencement Date:



			Inspection an	d Test Plan Details				Contractor Client				
Item	Inspection Activity	Work By	Standard / Spec	Criteria	Frequency	Record	Resp	Туре	Signoff	Resp	Туре	Signoff
05	Placement of Select Fill (if required)	Contractor	Clause 9.4 of OPS- TETW-CS-SPE-001 IFC Rev 0 Clause 9.6 of OPS- TETW-CS-SPE-001 IFC Rev 0	Select Fill shall comprise clay-rich soils sourced from the excavation of the dam and onsite borrow areas that conform to the geotechnical properties specified in Table 8 of OPS-TETW-CS-SPE-001 IFC Rev 0 Select fill to be placed, moisture conditioned and compacted generally in layers not exceeding 300mm thickness. The final surface shall be prepared with a smooth drum roller to create a smooth surface immediately prior to the deployment of the geomembrane material Finished surface to be free of all stones or other objects with potential to puncture liner. Completed under Level 2 Testing	1 / Lot	ITP Verification Checklist/Lot Map	RSA	Check		Senex	Witness Point	
06	Testing – Outler Layer Density and Moisture	Contractor	Table 10 & 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 10 & 11 of OPS- TETW-CS-SPE-001 IFC Rev 0 (See below)	1 / 500m3	ITP Verification Checklist / Report	RSA	Check		Senex	Witness Point	
07	Testing – Outler Layer Material Quality	Contractor	Table 6 and 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 11 of OPS- TETW-CS-SPE-001 IFC Rev 0 material for Outer Zone Conforming to properties provided in Table 6 (See below)	See Criteria	ITP Verification Checklist / Report	RSA	Check		Senex	Witness Point	
08	Testing – Inner Layer Density and Moisture	Contractor	Table 10 & 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 10 & 11 of OPS- TETW-CS-SPE-001 IFC Rev 0 (See below)	1 / 500m3	ITP Verification Checklist / Report	RSA	Check		Senex	Witness Point	



09	Testing – Inner Layer Material Quality	Contractor	Table 7 and 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 11 of OPS- TETW-CS-SPE-001 IFC Rev 0 material for Inner Zone Conforming to properties provided in Table 7	See Criteria	ITP Verification Checklist / Report	RSA	Check	Senex	Witness Point	
				(See below)							
10	Testing – Select Fill Density and Moisture	Contractor	Table 10 & 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 10 & 11 of OPS- TETW-CS-SPE-001 IFC Rev 0	1 / 500m3	ITP Verification Checklist /	RSA	Check	Senex	Witness Point	
			OF E OUT II O NOV O	(See below)		Report					
11	Testing – Select Fill Material Quality	Contractor	Table 7 and 11 of OPS-TETW-CS- SPE-001 IFC Rev 0	Testing in line with Table 11 of OPS- TETW-CS-SPE-001 IFC Rev 0 material for Inner Zone Conforming to properties provided in Table 8	See Criteria	ITP Verification Checklist / Report	RSA	Check	Senex	Witness Point	
				(See below)							
12	Rework / Repairs to fill (if required)	Contractor	Clause 9.4 of OPS- TETW-CS-SPE-001 IFC Rev 0	The Superintendent shall approve the extent of all repairs to damage, eroded, cracked or otherwise non-conforming materials and also the finish product of the repairs. • If the moisture content is within plus or minus 1% of the range, the Contractor may scarify that layer or area and add moisture, or work the clay to dry out as appropriate, re-compact, and present for retesting. • If the moisture content is drier than 1% of the specified range, the layer shall be removed and reworked to a satisfactory condition before it is reused. • If the dry density ratio is within 3% of the specified requirement additional compaction using a roller may be performed to increase the density and the layer, then presented for re-testing. • If the dry density ratio is more than 3% below the specified requirement, the layer shall be removed and be replaced to achieve specification.	As required	ITP Verification Checklist/Lot Map	RSA	Hold Point	Senex	Hold Point	
				Retesting (if required) in line with requirements of the Zone being repaired.							

Lot Description:	Commencement Date:



13	Survey – Progress	Contractor	Clause 3.6 of OPS- TETW-CS-SPE-001 IFC Rev 0	The Contractor shall submit to the Superintendent 25%, 50% and 75% embankment fill placement completion surveys within 48 hours days of each milestone achievement.	25%, 50%, 75%	Survey	RSA	Check	Senex	Hold Point	
13	As-constructed Survey	Contractor	Clause 3.4 of OPS- TETW-CS-SPE-001 IFC Rev 0 Clause 20.2.4 of OPS-TETW-CS- SPE-001 IFC Rev 0	After all work, or parts of work requiring survey acceptance has been completed, a final survey of all elements of the work shall be performed and submitted to the CQA Engineer for review and acceptance. Tolerances Embankment Crest -0 / +200mm Liner Subgrade -20 / +50mm Final Liner Subgrade Grader Within 1/20 th specified grade Emergency Spillway (invert) -20 / +20mm Extraction Pipework ±50mm	1/Lot	Survey	RSA	Hold Point	Senex	Hold Point	

Tethys Dam Construction (Senex Energy 900343) RSA Contractors Ptv Ltd

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Lot Description:	Commencement Date:



Notes:

1. HILF test method (AS 1289.5.7.1) may replace Standard Compaction test method specified provided conditions of Section 9.5 OPS-TETW-CS-SPE-001 IFC Rev 0 are satisfied.

	Test Det	ails	Normal Testing Level			Required Result(s)
	General Fill O	uter Zone				
Item	Test	Description	Max Lot Size	Min Test Frequency	Min No of tests	Criteria
01	AS 1289 2.1.1 AS 1289 5.1.1 AS 1289 5.4.1 AS 1289 5.8.1	Standard Moisture Content and Dry density ratio		1/500 m3	1 Test per Every Layer per Lot	-2% dry to +2% wet OMC MDD 98% Refer Note 1
02	AS 1289 3.6.1	Particle size		1/1000m3	1 Test per Every Layer per Lot	Passing 75mm 100% Passing 19mm 80% - 100% Passing 2.36mm 30% - 100% Passing 0.075mm 15%-80%
03	AS 1289 3.3.1	Plasticity Index		1/1000m3	1 Test per Every Second Layer per Lot	10 to 40
04	AS 1289 3.2.2	Liquid Limit		1/1000m3	1 Test per Every Second Layer per Lot	20 to 60
05	AS 1289 3.8.1	Emerson class			5 Test evenly distributed around the Dam	2
06	AS 1289 4.1.1	Organic content			As per Superintendent recommendation	

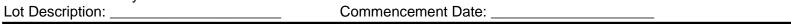
Lot Description:	Commencement Date:
20t B000Hption:	Commencement Bate:



Test Details			Normal Testing Level			Required Result(s)
General Fill Inner Zone						
Item	Test	Description	Max Lot Size	Min Test Frequency	Min No of tests	Criteria
01	AS 1289 2.1.1 AS 1289 5.1.1 AS 1289 5.4.1 AS 1289 5.8.1	Standard Moisture Content and Dry density ratio		1/500 m3	1 Test per Every Layer per Lot	-1% dry to +2% wet OMC MDD 98% Refer Note 1
02	AS 1289 3.6.1	Particle size		1/3000m3		Passing 75mm 100% Passing 19mm 80% - 100% Passing 2.36mm 30% - 100% Passing 0.075mm 15%-100%
03	AS 1289 3.3.1	Plasticity Index		1/3000m3		10 to 50
04	AS 1289 3.2.2	Liquid Limit		1/3000m3		20 to 70
05	AS 1289 3.8.1	Emerson class			5 Test evenly distributed around the Dam	2
06	AS 1289 4.1.1	Organic content			As per Superintendent recommendation	

Tethys Dam Construction (Senex Energy 900343)

RSA	Contractors	Pty Lte	d	





Test Details			Normal Testing Level			Required Result(s)
Select Fill						
Item	Test	Description	Max Lot Size	Min Test Frequency	Min No of tests	Criteria
01	AS 1289 2.1.1 AS 1289 5.1.1 AS 1289 5.4.1 AS 1289 5.8.1	Standard Moisture Content and Dry density ratio		1/500 m3	1 Test per Every Layer per Lot	-1% dry to +2% wet OMC MDD 98% Refer Note 1
02	AS 1289 3.6.1	Particle size		1/1000m3		Passing 2.36mm 100% Passing 0.075mm 35%-100%
03	AS 1289 3.3.1	Plasticity Index		1/1000m3		10 to 50
04	AS 1289 3.2.2	Liquid Limit		1/1000m3		20 to 70
05	AS 1289 3.8.1	Emerson class				
06	AS 1289 4.1.1	Organic content			As per Superintendent recommendation	

Built in accordance with this document:	Signed	Position	Date
Test results received. Lot conforms to Specification:	Signed	Position	Date

Document Status	5			
Revision Status	Responsible Person	Signed	Dated	Revision
Draft By:	Sean Parsons	Low John	28/06/2024	Draft Rev A
Reviewed By:	Sean Parsons	Lavy Cong	28/06/2024	Rev 0
Submitted By:	Sean Parsons	Lary Porg-	28/06/2024	Rev 0
Approved By:	Sean Parsons	Look fahr	28/06/2024	Rev 0