



Appendix D Audit Site Inspection Photos



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 1.			
Date Photo Taken: 4/9/2023			
Description: Cell 6B tipping face view to north			
Photo No. 2.			
Date Photo Taken: 4/9/2023			
Description: Cell 6B tipping face view to NW			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	3.		
Date Photo Taken: 4/9/2023			
Description: Cell 6B tipping area view to NE			
Photo No.	4.		
Date Photo Taken: 4/9/2023			
Description: Cell 6 – segregated mattresses			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	5.		
Date Photo Taken: 4/9/2023			
Description: Stage 2 western batter, and tyres in foreground			
Photo No.	6.		
Date Photo Taken: 4/9/2023			
Description: Stage 2 western batter			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	7.		
Date Photo Taken: 4/9/2023			
Description: Leachate storage tank on Cell 1. Empty. Covers ballooning due to wind and damage.			
Photo No.	8.		
Date Photo Taken: 4/9/2023			
Description: Shredded tyre stockpiles			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 9.			
Date Photo Taken: 4/9/2023			
Description: Revegetation of northern batter of Stage 4 cap			
Photo No. 10.			
Date Photo Taken: 4/9/2023			
Description: Stormwater drainage bund to north of Stage 3 and 4			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 11.			
Date Photo Taken: 4/9/2023			
Description: Revegetation of northern embankment of Stage 4 cap			
Photo No. 12.			
Date Photo Taken: 4/9/2023			
Description: Leachate connection pipe from NW corner of cell 4, exiting to the north of cell 4			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	13.		
Date Photo Taken: 4/9/2023			
Description: Sediment pond near NW corner of Stage 4			
Photo No.	14.		
Date Photo Taken: 4/9/2023			
Description: Leachate irrigation on southern section of Stage 3			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 15.			
Date Photo Taken: 5/9/2023			
Description: Offsite to the east of SE corner of Stage 1. Potential surface water sampling location			
Photo No. 16.			
Date Photo Taken: 5/9/2023			
Description: Offsite to the east of Stage 1 and 2 boundary			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	17.		
Date Photo Taken: 5/9/2023			
Description: Marker (white) and riser pipe (black) to east of Stage 1 and 2. Possible alignment of leachate interception trench?			
Photo No.	18.		
Date Photo Taken: 5/9/2023			
Description: As above			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	19.		
Date Photo Taken: 5/9/2023			
Description: Leachate interception trench?			
Photo No.	20.		
Date Photo Taken: 5/9/2023			
Description: Eastern batter of Stage 2			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	21.		
Date Photo Taken: 5/9/2023			
Description: Offsite to the East of Stage 2			
Photo No.	22.		
Date Photo Taken: 5/9/2023			
Description: New groundwater underdrainage outlet east of Leachate Pond 3?			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	23.		
Date Photo Taken: 5/9/2023			
Description: Western boundary fence			
Photo No.	24.		
Date Photo Taken: 5/9/2023			
Description: Stage 4 cap, view to SE			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 25.			
Date Photo Taken: 5/9/2023			
Description: Stage 4 western batter. Northern half being revegetated			
Photo No. 26.			
Date Photo Taken: 5/9/2023			
Description: Offsite to the west of the sediment ponds (NW of stage 4). Note: some sediment from wet season runoff			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 27.			
Date Photo Taken: 5/9/2023			
Description: Western batter of Stage 4 (south) and Stage 5			
Photo No. 28.			
Date Photo Taken: 5/9/2023			
Description: Offsite to the west of stage 5			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	29.		
Date Photo Taken: 5/9/2023			
Description: Stage 5 western batter view to SE, with stormwater chute from interim cap in background			
Photo No.	30.		
Date Photo Taken: 5/9/2023			
Description: Groundwater underdrainage outlet from Stage 5 to west of Stage 5 (offsite)			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	31.		
Date Photo Taken: 5/9/2023			
Description: Some litter along fenceline to west of Stage 5			
Photo No.	32.		
Date Photo Taken: 5/9/2023			
Description: Holmes Jungle spring – background sampling location			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	33.		
Date Photo Taken: 5/9/2023			
Description: Litter fence to west of Stage 6 – view to north			
Photo No.	34.		
Date Photo Taken: 5/9/2023			
Description: Leachate irrigation on Stage 5 interim cap, view to west			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	35.		
Date Photo Taken: 5/9/2023			
Description: Leachate irrigation on Stage 5 interim cap – view to SW			
Photo No.	36.		
Date Photo Taken: 5/9/2023			
Description: Binder on Stage 5 interim cap. PVA like substance, relatively still in tact. Sprayed at end of last dry season			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	37.		
Date Photo Taken: 5/9/2023			
Description: Leachate pipes from Cell 6 going under road in stormwater culvert. View to west			
Photo No.	38.		
Date Photo Taken: 5/9/2023			
Description: Leachate transfer pipe from Stage 1 leachate tanks to leachate treatment plan. Pipes located in stormwater drain. View to south.			

Client Name: Darwin Council	Site Location: Shoal Bay Landfill	Project No. AUS_C04201
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Photo No. 39.

Date Photo Taken:
5/9/2023

Description:
Veolia daily leachate infrastructure inspection recordings

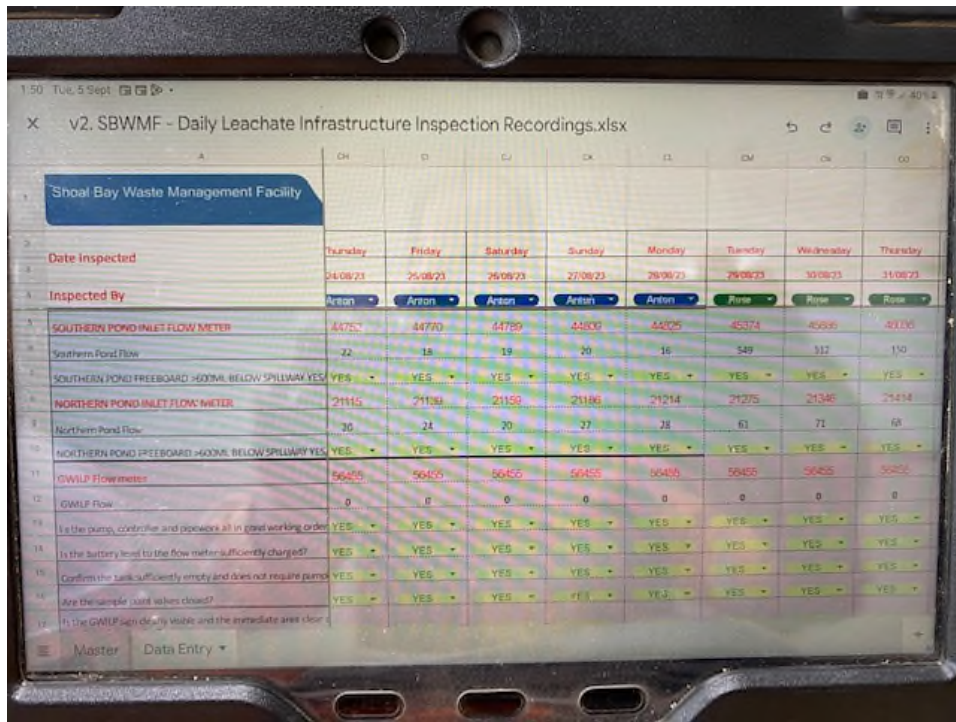
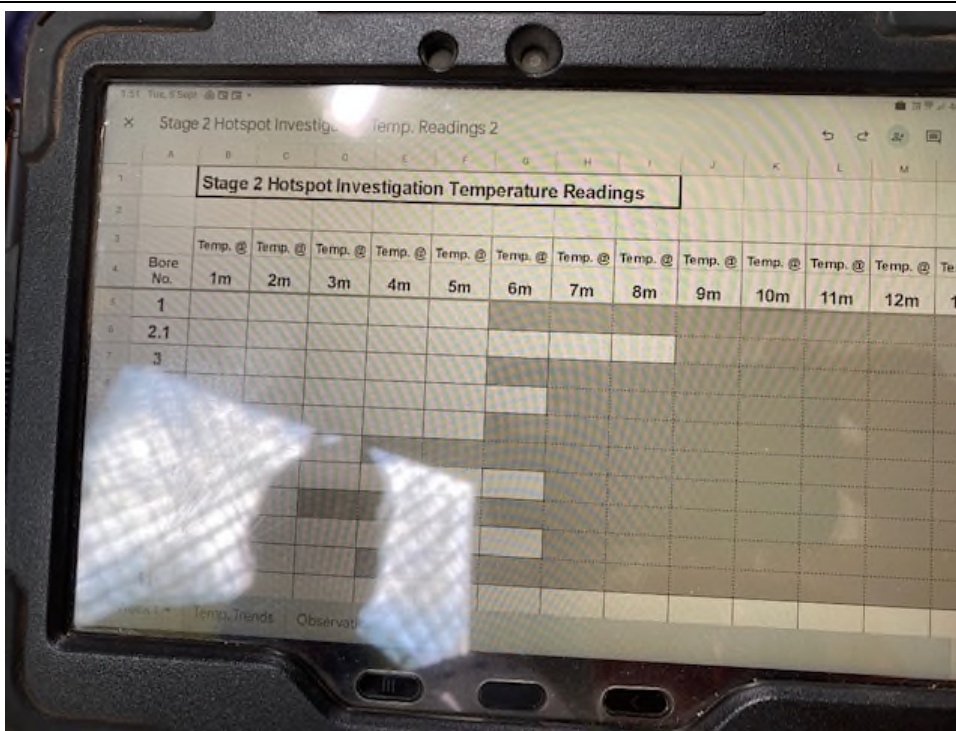
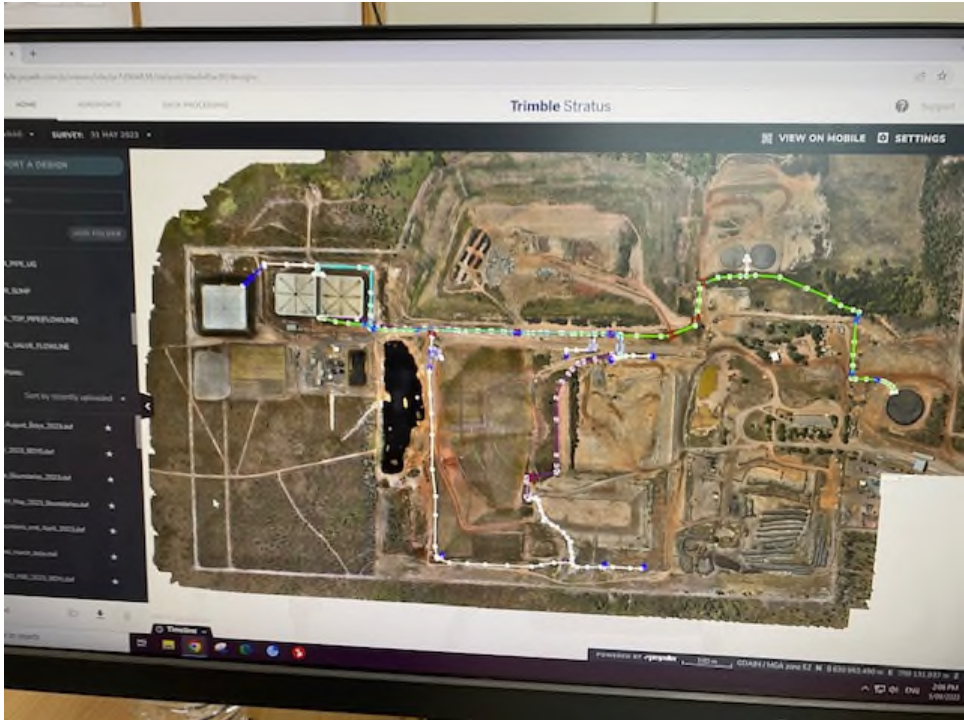
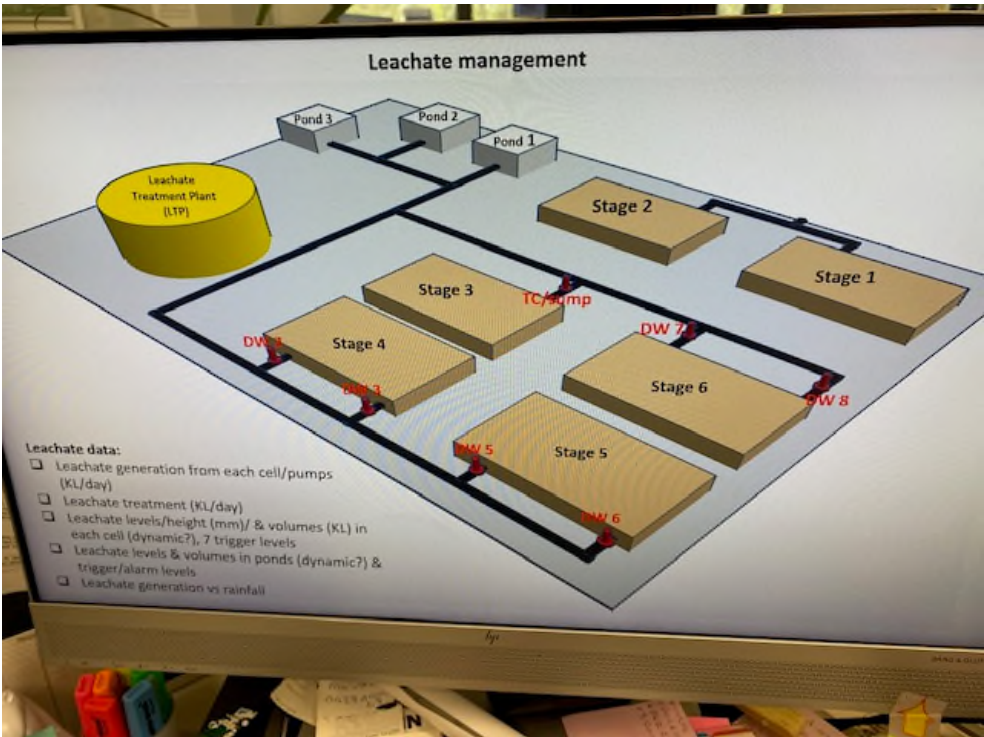




Photo No. 40.



Date Photo Taken:
5/9/2023



Description:
Veolia weekly hotspot investigation temperature readings







Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 41.			
Date Photo Taken: 5/9/2023			
Description: Veolia leachate pipework mapping			
Photo No. 42.			
Date Photo Taken: 5/9/2023			
Description: Council leachate dashboard model (work in progress)			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	43.		
Date Photo Taken: 6/9/2023			
Description: Eastern batter of Stage 6 viewed to south			
Photo No.	44.		
Date Photo Taken: 6/9/2023			
Description: Leachate irrigation of Stage 5 view to south			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	45.		
Date Photo Taken: 6/9/2023			
Description: Treated leachate pooling on Stage 3 capping irrigation area			
Photo No.	46.		
Date Photo Taken: 6/9/2023			
Description: Borrow pit area with residual treated leachate, view to NE, leachate treatment plant in background, stage 3 cap in foreground			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	47.		
Date Photo Taken: 6/9/2023			
Description: Vetiver grass with pivot irrigation system in background – stage 3 cap			
Photo No.	48.		
Date Photo Taken: 6/9/2023			
Description: Pivot irrigation system			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	49.		
Date Photo Taken: 6/9/2023			
Description: Subsurface drainage clean out pipe (?) at top of Stage 4 ramp			
Photo No.	50.		
Date Photo Taken: 6/9/2023			
Description: Litter removal on western batter of Stage 4 and 5			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 51.			
Date Photo Taken: 6/9/2023			
Description: Stage 6 tipping face, with untreated leachate irrigation on lower southern embankment of Stage 3 on left			
Photo No. 52.			
Date Photo Taken: 6/9/2023			
Description: Litter fence on Stage 5 ramp, view to South			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 53.			
Date Photo Taken: 6/9/2023			
Description: Green waste processing stockpile			
Photo No. 54.			
Date Photo Taken: 6/9/2023			
Description: Licence details on entrance gate			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	55.		
Date Photo Taken: 6/9/2023			
Description: Council contact numbers on front gate – on inside of gate though			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	3.		
Date Photo Taken: 14/03/2023			
Description: Surface water pooling at the toe of Stage 1 east			
Photo No.	4.		
Date Photo Taken: 14/03/2023			
Description: LMP02 beyond eastern fence with surface water ponding			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	5.		
Date Photo Taken: 14/03/2023			
Description: Drain to east of Stage 6			
Photo No.	6.		
Date Photo Taken: 14/03/2023			
Description: PFAS contaminated stockpile in Stage 2 south area			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	7.		
Date Photo Taken: 14/03/2023			
Description: View to the southeast from Stage 2 area. Note Micket Creek catchment in background			
Photo No.	8.		
Date Photo Taken: 14/03/2023			
Description: Stage 1 area view to south from Stage 2 with two temporary leachate storage tanks (3ML each)			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 9.			
Date Photo Taken: 14/03/2023			
Description: Cell 6 filling with Cell 5 in background			
Photo No. 10.			
Date Photo Taken: 14/03/2023			
Description: Cell 6 and Cell 3 interface in background			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	11.		
Date Photo Taken:			
14/03/2023			
Description:			
Stage 2 western slope which needs daily cover or interim cap			
Photo No.	12.		
Date Photo Taken:			
14/03/2023			
Description:			
Stage 2 top with metal recovery area			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	13.		
Date Photo Taken: 14/03/2023			
Description: Stage 2 tyre stockpile area on northern side			
Photo No.	14.		
Date Photo Taken: 14/03/2023			
Description: Stage 2 tyre stockpiles on western side			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 15.			
Date Photo Taken: 14/03/2023			
Description: Stage 3 capping viewed to west			
Photo No. 16.			
Date Photo Taken: 14/03/2023			
Description: Borrow pit temporary storage of treated leachate. Note: black area where leachate enters on embankment			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	17.		
Date Photo Taken:			
14/03/2023			
Description:			
New leachate pond under construction			
Photo No.	18.		
Date Photo Taken:			
14/03/2023			
Description:			
Leachate storage ponds with rainwater on covers			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	19.		
Date Photo Taken:			
14/03/2023			
Description:			
GWILP (underdrainage outlet point from leachate ponds). Note: drainage now stored in tank and either discharged or sent to leachate tanks			
Photo No.	20.		
Date Photo Taken:			
14/03/2023			
Description:			
Groundwater monitoring bores GW4-3 GW4-12 and GW-30. Note: GW-30 flowing (artesian)			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	21.		
Date Photo Taken:	15/03/2023		
Description:	Pump cycle counter on leachate sump on eastern toe of Cell 3		
Photo No.	22.		
Date Photo Taken:	15/03/2023		
Description:	Pump flow meter on sump pump on eastern side of Cell 3		



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	23.		
Date Photo Taken:	15/03/2023		
Description:	Example of Veolia field records from morning 'pump run' to check leachate sump pump operations and flow record		
Photo No.	24.		
Date Photo Taken:	15/03/2023		
Description:	Example of Veolia field records from morning 'pump run' to check leachate sump pump operations and flow record		



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	25.		
Date Photo Taken: 15/03/2023			
Description: Water ponding with leachate seep to the immediate north of Cell 4 NW corner. Note bollards where subsurface			
Photo No.	26.		
Date Photo Taken: 15/03/2023			
Description: Cell 4 leachate sump NW corner			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 27.			
Date Photo Taken: 15/03/2023			
Description: Leachate pump meter on Cell 4 sump pump			
Photo No. 28.			
Date Photo Taken: 15/03/2023			
Description: Erosion channels on Stage 4 cap (to be repaired as part of capping works)			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	29.		
Date Photo Taken: 15/03/2023			
Description: Sediment ponds and water pooling NW area of Stage 4			
Photo No.	30.		
Date Photo Taken: 15/03/2023			
Description: Leachate seep NW of stage 4 cell			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	31.		
Date Photo Taken: 15/03/2023			
Description: Exposed reinforcement geosynthetic in Stage 4 capping from erosion channels in capping soils			
Photo No.	32.		
Date Photo Taken: 15/03/2023			
Description: Leachate seep from Stage 4 north of cell (NW corner)			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	33.		
Date Photo Taken: 15/03/2023			
Description: Groundwater monitoring wells WW6 and WW7 north of Stage 4 NW corner. Groundwater in wells viewed to be at or just below surface			
Photo No.	34.		
Date Photo Taken: 15/03/2023			
Description: Corrosion of well cover at WW6			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	35.		
Date Photo Taken: 15/03/2023			
Description: Sedimentation of surface water drain north of Stage 3 and 4. To be repaired as part of cap construction contract			
Photo No.	36.		
Date Photo Taken: 15/03/2023			
Description: Green waste processing area			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	37.		
Date Photo Taken: 15/03/2023			
Description: Green waste processing area			
Photo No.	38.		
Date Photo Taken: 15/03/2023			
Description: GW Sump in green waste area			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	39.		
Date Photo Taken: 15/03/2023			
Description: Run-off from green waste area			
Photo No.	40.		
Date Photo Taken: 15/03/2023			
Description: View to east from top of Stage 2			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	41.		
Date Photo Taken: 15/03/2023			
Description: View to east from Stage 2. Note formed drain running to the east which will be targeted for sampling			
Photo No.	42.		
Date Photo Taken: 15/03/2023			
Description: Veolia 'check point charlie' for inspecting waste loads before disposal and checking disposal dockets from weighbridge			



Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	43.		
Date Photo Taken: 15/03/2023			
Description: Top of Stage 5. Note: ponded water and stormwater overflow location on west side.			
Photo No.	44.		
Date Photo Taken: 15/03/2023			
Description: View to SW from top of Stage 5 towards former Leanyer landfill			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No.	45.		
Date Photo Taken: 15/03/2023			
Description: View to NW towards Buffalo Creek catchment and floodplain area			
Photo No.	46.		
Date Photo Taken: 15/03/2023			
Description: Stage 3 plateau (to be filled) and Stage 6 active cell in background right			



Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 47.			
Date Photo Taken: 15/03/2023			
Description: Tipping face Stage 6 view to NW			
Photo No. 48.			
Date Photo Taken: 15/03/2023			
Description: Tipping face Cell 6 view to North			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 49.			
Date Photo Taken: 15/03/2023			
Description: Tipping face Stage 6 view to North			
Photo No. 50.			
Date Photo Taken: 15/03/2023			
Description: Domestic disposal of chemicals			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	51.		
Date Photo Taken:			
15/03/2023			
Description:			
Domestic disposal of chemicals			
Photo No.	52.		
Date Photo Taken:			
15/03/2023			
Description:			
Domestic waste oil disposal tank			

Client Name: Darwin Council		Site Location: Shoal Bay Landfill	Project No. AUS_C04201
Photo No. 53.			
Date Photo Taken: 15/03/2023			
Description: Wheel washer			
Photo No. 54.			
Date Photo Taken: 15/03/2023			
Description: Landfill Licence details displayed at site entrance			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	55.		
Date Photo Taken: 15/03/2023			
Description: Erosion requiring repair on Stage 4 access ramp. Note: part of Cap Construction Audit not S48 Audit.			
Photo No.	56.		
Date Photo Taken: 15/03/2023			
Description: Erosion requiring repair on Stage 4 access ramp. Note: part of Cap Construction Audit not S48 Audit.			

Client Name:		Site Location:	Project No.
Darwin Council		Shoal Bay Landfill	AUS_C04201
Photo No.	57.		
Date Photo Taken: 15/03/2023			
Description: Erosion requiring repair on Stage 4 access ramp. Note: part of Cap Construction Audit not S48 Audit			
Photo No.	58.		
Date Photo Taken: 15/03/2023			
Description: Litter and sediment in main stormwater drain (on site) to east of Stage 6 (Note: check if its been cleaned out during next Audit inspection)			