

o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
West Embankment	3	5	Pass
North Embankment	2 (CH 400 to 900m) Re-work	3	Pass
North Embankment	2 (0 to 400m)	3	Pass

o SMDD

Source	Sample No.	SMDD	OMC
South Embankment Layer 3 (CH 300 to 900m)	KP-EVO-18	1.68	17.5
West Embankment Layer 3	KP-EVO-19	1.69	1
Cut-off trench North Embankment (3.0m depth)	KP-EVO-20	-	-

o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
Cut-off trench North Embankment (2.5m depth)	KP-EVO-15	1	-

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- N/A

Issued by: Claudio Marone – Site Engineer.

- **Site Photographs**



Plate 1: Loading Zone C material at borrow pit.



Plate 2: Dumping Zone C material, Cell 3 - South embankment, Layer – 3.



Plate 3: Compaction Zone C material, Cell 3 - North embankment, Layer – 2.



Plate 4: Field Density Testing, Cell 3 – West embankment, Layer – 3.



Plate 5: Excavating cut-off trench ($\approx 4\text{m}$ deep) in North embankment.



Plate 6: UD sampling at North embankment Cut-off trench (3.0m depth), for Laboratory Shear test



Plate 8: Field Shear test next to UD sample location at North embankment Cut-off trench (3.0m depth)

Date: 16-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Cloudy and rainy during the day, Red alert from 10am.
- Ground conditions, trafficable in the morning and not trafficable from 12pm.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (4m deep) in West embankment.
 - o Hauling Zone C material from borrow pit to West and North embankments.
 - o Dumping, spreading and moisture conditioning Zone C material in West and North embankments.
 - o Moisture conditioning Zone C material for West and North embankments.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

- o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
South Embankment	4	4	Pass

- o SMDD

Source	Sample No.	SMDD	OMC
Cut-off trench North Embankment (3.0m depth)	KP-EVO-20	1.66	19.0

- o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
South Embankment Layer 3 (CH 300 to 900m)	KP-EVO-18	N/A	1
West Embankment Layer 3	KP-EVO-19	N/A	1

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.
- Weekly site meeting, KP office 11:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- Ground operations stopped at 9.00am due to weather conditions.

Issued by: Claudio Marone – Site Engineer.

- **Site Photographs**



Plate 1: Field Density Testing, Cell 3 – South embankment, Layer – 4.



Plate 2: View of TSF-Cell 3 flooded working area.

Date: 17-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Cloudy all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (1m deep) in West embankment.
 - o Excavating Cut-off trench (4m deep) in West embankment.
 - o Excavating Decant Tower area.
 - o Hauling Zone C material from borrow pit to North embankment.
 - o Dumping, spreading and moisture conditioning Zone C material in North embankment.
 - o Compacting Zone C material in North embankment.
 - o Strip and load Subsoil material with organics from causeway area and surrounded.
 - o Hauling Subsoil material with organics to designated stockpiles.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

- o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
-	-	-	-

- o SMDD

Source	Sample No.	SMDD	OMC
Cut-off trench North Embankment (3.0m depth)	KP-EVO-20	1.66	19.0
South Embankment - Zone C - Lift 4	KP-EVO-21	1.69	17.5

- o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
Cut-off trench North Embankment (3.0m depth)	KP-EVO-20	1	1
South Embankment - Zone C - Lift 4	KP-EVO-21	N/A	1
F1 Material Stockpile	KP-EVO-22	N/A	1

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- N/A

Issued by: Claudio Marone – Site Engineer.

- **Site Photographs**



Plate 1: Loading Zone C material at borrow pit.



Plate 2: Dumping Zone C material, Cell 3 - North embankment, Layer – 3.



Plate 3: Excavating cut-off trench ($\approx 1\text{m}$ deep) in North embankment.



Plate 4: Excavating Decant Tower and Underdrainage Tower Causeway



Plate 5: Causeway, excavating subsoil, removing just enough material to be clear of vegetation.



Plate 6: Dumping subsoil material with vegetation at designated stockpile area.

Date: 18-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Sunny all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (1m deep) in West embankment.
 - o Excavating Cut-off trench (4m deep or suitable depth) in West embankment.
 - o Hauling Zone C material from borrow pit to South embankment.
 - o Dumping, spreading and moisture conditioning Zone C material in South embankment.
 - o Compacting Zone C material in South embankment.
 - o Moisture conditioning and compacting Zone A material in North Cut-off trench base.
 - o Strip and load Subsoil material with organics from causeway area and surrounded.
 - o Hauling Subsoil material with organics to designated stockpiles.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
North Embankment – Zone C	3	4	Pass
South Embankment – Zone C	1	1	Pass
North Cut-off trench – Zone A	Base	3	Pass

o SMDD

Source	Sample No.	SMDD	OMC
North Embankment – Zone C	KP-EVO-23	1.69	17.5

o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
North Embankment – Zone C	KP-EVO-23	N/A	1

• **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

• **Issues and Concerns**

- N/A

• **Additional Items**

- TQ-5 – Basin Borrow Pit extension.
- Inspection Test Plan received from 3D.

Issued by: Claudio Marone – Site Engineer.

- **Site Photographs**



Plate 1: Loading Subsoil with vegetation at Causeway location.



Plate 2: Overview of North Cut-off trench looking West.



Plate 3: NDM Compaction test at North Cut-off trench - Zone A - base.



Plate 4: NDM Compaction test at South Embankment – Zone C – layer 1.



Plate 5: Excavating Cut-off trench ($\approx 4\text{m}$ deep or suitable depth) in West embankment.



Plate 6: Overview of Laydown area for Decant & Underdrainage towers components.

Date: 19-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Clear and warm all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (1m deep) in West embankment.
 - o Excavating Cut-off trench (4m deep or suitable depth) in West embankment.
 - o Hauling Zone C material from borrow pit to South embankment.
 - o Dumping, spreading and moisture conditioning Zone C material in South embankment.
 - o Compacting Zone C material in South embankment.
 - o Strip and load Subsoil material with organics from basin area.
 - o Hauling Subsoil material with organics to designated stockpiles.
 - o Trial Pad for CSL.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
South Embankment – Zone C	2	1	Pass

o SMDD

Source	Sample No.	SMDD	OMC
-	-	-	-

o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
-	-	-	-

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- N/A

Issued by: Claudio Marone – Site Engineer.

- Site Photographs



Plate 1: Loading Subsoil with vegetation around the basin area.



Plate 2: Dumping Subsoil at designated stockpiles.



Plate 3: Dumping and spreading Zone C material at South Embankment - layer 2.



Plate 4: NDM Compaction test at South Embankment – Zone C – layer 2.



Plate 5: Excavating Cut-off trench ($\approx 4\text{m}$ deep or suitable depth) in West embankment.



Plate 6: Rolling of CSL Trial Pad.

Date: 20-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Clear and warm all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (1m deep) in West embankment.
 - o Excavating Cut-off trench (4m deep or suitable depth) in West embankment.
 - o Hauling Zone C material from borrow pit to South embankment.
 - o Dumping, spreading and moisture conditioning Zone C material in South embankment.
 - o Compacting Zone C material in South embankment.
 - o Strip and load Subsoil material with organics from basin area.
 - o Hauling Subsoil material with organics to designated stockpiles.
 - o Moisture conditioning Trial Pad for CSL.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

- o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
South Embankment – Zone C	3	1	Pass

- o SMDD

Source	Sample No.	SMDD	OMC
CSL Trial Pad	KP-EVO-24	1.75	16.5

- o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
CSL Trial Pad	KP-EVO-24	-	1

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- N/A

Issued by: Claudio Marone – Site Engineer.

- **Site Photographs**



Plate 1: Loading Subsoil with vegetation around the basin area.



Plate 2: NDM Compaction test at South Embankment – Zone C – layer 3.



Plate 3: Excavating Cut-off trench ($\approx 4\text{m}$ deep or suitable depth) in West embankment.



Plate 4: View of CSL Trial Pad while it was moisture conditioned.



Plate 5: CSL Trial Pad moisture conditioning with water truck.

Date: 21-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Clear and warm all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

- Daily Work Summary (not necessarily exhaustive)
 - o Excavating Cut-off trench (1m deep) in West embankment.
 - o Excavating Cut-off trench (4m deep or suitable depth) in West embankment.
 - o Strip and load Subsoil material with organics from basin area.
 - o Hauling Subsoil material with organics to designated stockpiles.
 - o Moisture conditioning Trial Pad for CSL.
 - o Compacting CSL Trial Pad.

• **Plant and Labour**

- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
South Embankment – Zone C	4	1	Pass
CSL Trail Pad (6-8-10 passes)	Base	6	Pass

o SMDD

Source	Sample No.	SMDD	OMC
-	-	-	-

o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
CSL Trial Pad	KP-EVO-24	1	-

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- N/A

Issued by: Claudio Marone – Site Engineer.

- Site Photographs



Plate 1: Loading Subsoil with vegetation around the basin area.



Plate 2: NDM Compaction test at South Embankment – Zone C – layer 4.



Plate 3: Excavating Cut-off trench ($\approx 4\text{m}$ deep or suitable depth) in West embankment.



Plate 4: View of CSL Trial Pad while it was compacted.



Plate 5: NDM Compaction test at CSL Trial Pad - Causeway location.

Date: 22-12-2020

Area of Construction: TSF, Cell 3

• **Weather & Ground Conditions**

- Clear and warm all day long.
- Ground conditions, trafficable.

• **Health, Safety and Environment**

- No incident reported.

• **Construction Activities**

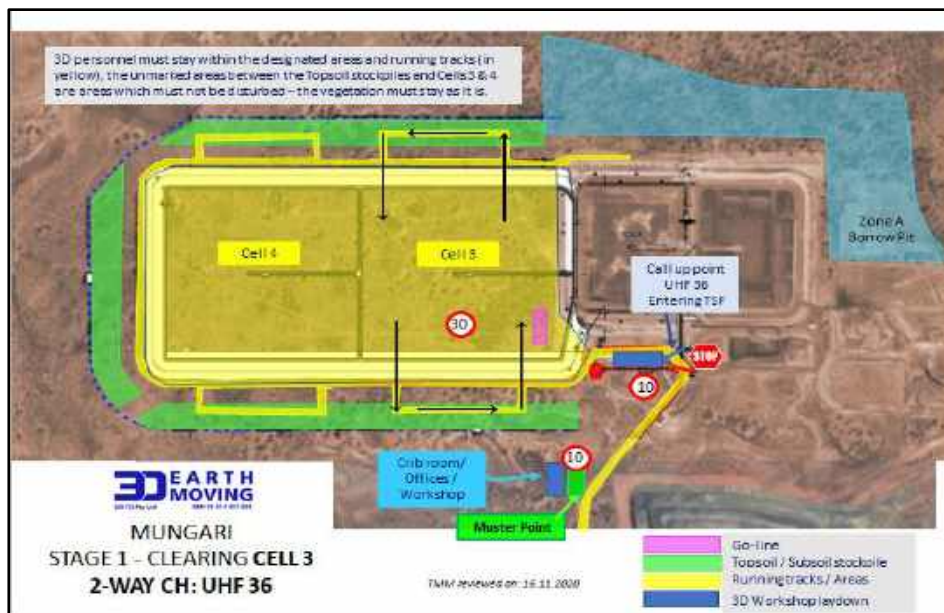
- Daily Work Summary (not necessarily exhaustive)
 - o Strip and load Subsoil material with organics from basin area.
 - o Hauling Subsoil material with organics to designated stockpiles.
 - o Moisture conditioning and compacting West Cut-off trench base.

• **Plant and Labour**

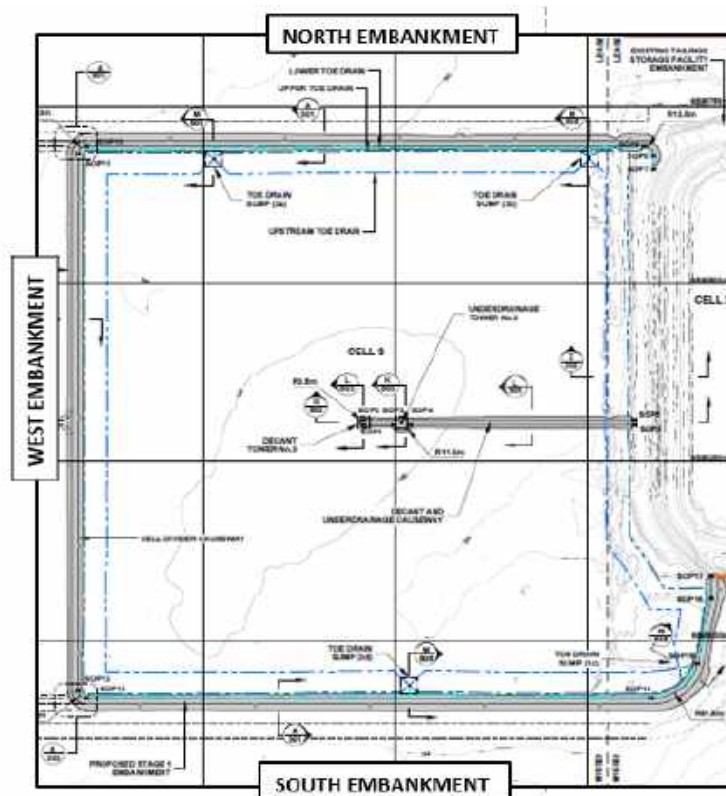
- Contractor Plant

Plant No.	Make and Type
BC123	BOBCAT, Skid Steer
DT41	CAT 773B, Dump Truck
DT44	CAT 769D, Dump Truck
DT46	CAT 769D, Dump Truck
DT64	CAT 773D, Dump Truck
DT65	CAT 773D, Dump Truck
DT66	CAT 773D, Dump Truck
DT67	CAT 773D, Dump Truck
DT69	CAT 773E, Dump Truck
DT70	CAT 773D, Dump Truck
DT115	CAT 773C, Dump Truck
DZ98	CAT D8N, Dozer
DZ130	CAT D8T, Dozer
EX102	KOMATSU PC800, Excavator
EX121	DOOSAN 480, Excavator
EX125	DOOSAN 480, Excavator
EX139	VOLVO 290 CL, Excavator
EX140	VOLVO EC950 EL, Excavator
EX144	VOLVO EC480DL, Excavator
EX145	VOLVO EC480DL, Excavator
GR113	140H GRADER, Grader
LD106	KOMATSU 470, Loader
RL118	PADFOOT ROLLER
RL119	PADFOOT ROLLER
WT78	CAT 769, Water Truck

- Contractor Personnel
 - o Operators – 11
 - o Supervisors – 1
 - o Admin – 1
- **Quality Control and Quality Assurance**



Site Overview showing clearing procedures



TSF Cell 3 schematic outlining work areas.

- o NMD compaction tests (Zone C):

Location	Lift	No. Tests	Result
West Cut-off trench	Base	2	-

- o SMDD

Source	Sample No.	SMDD	OMC
-	-	-	-

- o PSD & PI

Source	Sample No.	No. Atterberg Limits	No. PSD
-	-	-	-

- **Meetings and Discussions**

- 3 D Pre- Start meeting, 3 D offices 6:00 AM.

- **Issues and Concerns**

- N/A

- **Additional Items**

- 3D stopped operations at 2.00 pm.
 - TQ-006 – Piezometer Installation.

Issued by: Claudio Marone – Site Engineer.

- Site Photographs



Plate 1: Loading Subsoil with vegetation around the basin area.



Plate 3: Compacting West Cut-off trench – base.



Plate 4: Overview of the West Cut-off trench – base.



Plate 4: NDM compaction test at West Cut-off trench – base.

APPENDIX B3
Non-Compliance Report Form

	MUNGARI GOLD PROJECT		Cell 3 and Cell 4 Stage 1
	NON-CONFORMANCE REPORT		Sheet /.....
			Status:
Work Site:			
OPENING, IDENTIFICATION AND DESCRIPTION OF NON-CONFORMANCE			
NCR ref.:	Quality Aspect affected:		
Opened date:	Environmental Aspect affected:		
	Safety Aspect affected:		
	Location / Identification Code:		
NON-CONFORMANCE DESCRIPTION Internal Supplier Contractor			
			Originator:
NON-CONFORMANCE CLASSIFICATION			Head of Quality / HSE:
MINOR MAJOR CRITICAL			 / /
ORIGIN OF NON-CONFORMANCE. ANALYSIS OF CAUSES.			
PROPOSED REMEDIAL ACTION Estimated Date of Resolution: / /			
REMEDIAL ACTION AGREED			Relevant Manager
NO YES (number of remedial Action:_)			 / /
FINAL SETTLEMENT ADOPTED			
FINAL SETTLEMENT CLASSIFICATION ACCEPT REPAIR ADAPT REJECT NOT APPLICABLE		Contractor / /	Relevant Manager / /
NON-CONFORMANCE CLOSURE			
The non-conformance aforementioned is considered to be closed on the grounds of the adopted settlement and the following considerations			
Relevant Manager		Contractor	
..... / /		 / /	

APPENDIX B4
Design Change (Technical Query) Form

TQ No:		TQ Title:	Mungari TSF Cell 3 and Cell 4 Stage 1
Client:	Evolution Mining		

A. To be completed by or on behalf of the Contractor

Project Name:	Mungari Gold Project	Project No:	801-00137
Contract Title:		Drawing No.:	
Date Response Required by:		Tag Number:	
Description of technical query: (List affected Drawings and attachments)			
Proposed Action (List all attachments)			
Effect on Cost		Effect on Schedule	
Requested By: (Name)		Position:	
Signature		Date:	

B. Response by Client Representative

Answered By:		Date:	

APPENDIX B5
Inspection Register



Project No. _____
Project _____
Engineer _____

[illegible]

APPENDIX K
Tailings Storage Data Sheet

Tailings Storage Data Sheet

Project operator		Evolution Mining Ltd	
Project Name		Mungari Gold Project	
Date		August 2024	
TSF name		Mungari TSF	
Commodity		Gold	
Name of data provider		Knight Piésold	
Phone		08 9223 6300	
TSF centre co-ordinates (GDA 94)			
6595307 m North		330082 m East	
Mining Tenement and Holder(s) details		Mungari West - M15/830 and Evolution Mining Mungari East - M15/829 and Evolution Mining	
TSF data			
TSF status:		Proposed ☐ Active ☒ Non Active ☐ Decommissioned ☐ Rehabilitated ☐ Closed ☐	
Type of TSF: ¹ Paddock		Number of cells: ² 2	
Hazard rating: ³ High		TSF category: ⁴ Category 1	
Catchment area: ⁵ 100 ha (Stage Final)		Nearest water course: Kurrawang and Kopai Salt Lakes	
Date deposition started (mm/yy): June 2021		Date of deposition completed (mm/yy)	
Tailings discharge method: ⁶ Multi-spigots		Water recovery method: ⁷ Pumped central decant	
Bottom of facility sealed or lined? Y / N		Type of seal or liner: ⁸ Compacted soil	
Depth to original groundwater level >10 m			
Current groundwater level >10 m		Original groundwater TDS/pH 90-140,000 mg/l / 3-6	
Ore process: ⁹ Gravity separation, Alkali Leaching, CIP		Tailings Deposition rate: ¹⁰ 2.1 Mtpa	
Impoundment volume (present) 4.43 Mm ³		Expected maximum 19.6 Mm ³	
Mass of solids stored (present) 6.2 Mt		Expected maximum 27.5 Mtons	
Above ground facilities			
Foundation soils Sandy/silty Clay		Foundation rocks Metadolerite	
Starter bund construction materials: ¹¹ Sandy/silty Clay and Silty/clayey Sand		Wall lifting by: Upstream ☒ Downstream ☒ Centre line ☒	
Wall construction method/materials:		Wall lifting material: ¹² Sandy/silty Clay and highly weathered rock mechanically ☒ hydraulically ☐	
Present maximum wall height agl: ¹³ 6 – 8 metres		Expected maximum 19.5 metres	
Crest length (present) 3,850 metres		Expected maximum 3,850 m (Stage 3)	
Impoundment area (present) 133 Ha		Expected maximum 133 ha (Stage 3)	
Properties of tailings and return water			
TDS	85,000 mg/l	8.3 pH	Solids content 42%
Deposited density		1.4 t/m ³	
Potentially hazardous substances: ¹⁴ Cyanide; Caustic soda; lead; Iron Sulphide; Mercury		WAD CN	50 mg/l
		Total CN	200 mg/l
		Any other NPI listed substances in the TSF? ¹⁵ Y / N Arsenic	

Tailings Storage Data Sheet

Explanatory notes for completing tailings storage data sheet

The following notes are provided to assist the proponent to complete the tailings storage data sheet.

1. Paddock (ring-dyke), cross-valley, side-hill, in-pit, depression, waste fill, central thickened discharge, stacked tailings.
2. Number of cells operated using the same decant arrangement.
3. See Table 1 – Hazard rating system in the Code of practice.
4. See Table 2 – Matrix of hazard ratings in the Code of practice.
5. Internal for paddock (ring-dyke) type, internal plus external catchment for other facilities.
6. End of pipe, (fixed), end of pipe (movable) single spigot, multi-spigots, cyclone, central thickened discharge (CTD).
7. Gravity feed decant, pumped central decant, floating pump, wall/side mounted pump.
8. Clay, synthetic.
9. See list below for ore process method.
10. Tonnes of solids per year.
11. Record only the main material(s) used for construction, e.g. clay, sand, silt, gravel, laterite, fresh rock, weathered rock, tailings, clayey sand, clayey gravel, sandy clay, silty clay, gravelly clay or any combination of these materials.
12. Any one or combination of the materials listed under item 11 above.
13. Maximum wall height above the ground level (not AHD or RL).
14. Arsenic, Asbestos, Caustic soda, Copper sulphide, Cyanide, Iron sulphide, Lead, Mercury, Nickel sulphide, Sulphuric acid, Xanthates, radioactive elements.
15. NPI – National pollution inventory (contact Department of Environmental Protection for information on NPI listed substances).

Ore process methods

The ore process methods may be recorded as follows:

Acid leaching (Atmospheric)	Flotation
Acid leaching (Pressure)	Gravity separation
Alkali leaching (Atmospheric)	Heap leaching
Alkali leaching (Pressure)	Magnetic separation
Bayer process	Ore sorters
Becher process	Pyromet
BIOX	SX/EW (Solvent extraction/Electro wining)
Crushing and screening	Vat leaching
CIL/CIP	Washing and screening