



2.0 ACTIVITIES:

■ Safety

- Changing Ground Surface Conditions – the weather is cold in the morning and warm in the afternoon. The ground surface changes throughout the day from frozen, hard ground in the AM to muddy, slippery ground in the PM. Be alert and aware as conditions are always changing.
- PPE – Standard PPE is required for all personnel in work area when not in equipment or in vehicles. Don't forget to continue wearing the correct PPE. As we become more comfortable on site and are focused on our work tasks, we can forget to put our PPE when distracted.

■ Work Activities

- GrayMar continued to excavate the 2-foot excavation area of the western portion of the Pentzer property with the John Deere 700L bulldozer. The excavated materials were pushed into a pile by the bulldozer near the Pentzer/WSDOT property boundary and pushed up on the side slope on the UPRR property.
- The John Deere 700L bulldozer, the Case CX210D trackhoe, and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on WSDOT and Pentzer properties and transport material to the UPRR cap area. See Photograph 1.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area. The DYNAPAC CA2500D roller was used to compact 1-ft loose lifts into subgrade. See Photograph 2.
- The LinkBelt 210x4 trackhoe continued to excavate a portion of the 2-ft area on the Pentzer property near Excavation One. The excavated materials were stockpiled near Excavation 1 to be hauled to the UPRR former dross stockpile area using the off-road haul truck. See Photograph 3.

3.0 PROBLEMS AND RESOLUTIONS:

- Additional dross was encountered on the north edge of the Pentzer property outside of the estimated dross impacted area. Visual dross was removed up to 25-ft railroad buffer and/or to ecology blocks (to be moved to continue excavation to 25-ft railroad buffer). See Photograph 4.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.



5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - No soil samples were collected for XRF and/or laboratory analysis today.
 - Four soil samples were submitted for laboratory analysis today:
 - BF4-2494-01-021523
 - BF4-2494-02-021523
 - BF4-2494-03-021523
 - BF4-2494-04-021523
- Soil Sample Results
 - Sample results for the WSDOT and Pentzer properties were received today:
 - SO-2494-W1-06-021023
 - SO-2494-W1-28-021023
 - SO-2494-W1-40-021023
 - SO-2494-P1-45-021323
 - SO-2494-W1-06-021023 exceeded CUL for arsenic and copper. SO-2494-W1-28-021023 exceeded CUL for arsenic and barium. SO-2494-W1-40-021023 exceeded CUL for arsenic and copper. SO-2494-P1-45-021323 exceeded CUL for barium.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The John Deere 700L bulldozer, the Case CX210D trackhoe, and the Volvo A45G off-road haul truck were used for three-quarters of the day. The LinkBelt 210x4 trackhoe was used for half of the day.



7.0 PHOTO LOG



Photograph 1: Loading and transporting of excavated material from WSDOT to UPRR cap area.



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Photograph 2: Placing, spreading in 1-ft loose lifts, and compacting on the UPRR cap area.



Photograph 3: Excavation to 2-ft bgs on the north edge of Pentzer property. View looking east.



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Photograph 4: Additional dross observed outside of estimated dross impacted area on the north edge of the Pentzer property. View looking northeast.



Date: February 16, 2023	On-Site: 0600 PDT	Off-Site: PDT 1700
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 32 °F / 47°F	Wind: S/SW at 5-10 MPH
Cloud Cover: Partly Cloudy AM and Sunny PM	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Laborer

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Side Slope – be careful when traveling near the edge of the side slope on UPRR property. GrayMar placed high-vis candle sticks on edge of side slope on UPRR property south of the Kemira facility for better visibility of slope crest.
- Slope stability – GrayMar is continuously excavating, stockpiling, and moving material. Be cautious when traveling around or near stockpiles and temporarily placed material as it may not be stable.

■ Work Activities

- The Case CX210D trackhoe and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on Pentzer properties and transport material to the UPRR cap area.
- GrayMar excavated 2-ft depth of material in the SE corner of the WSDOT property with the LinkBelt 210x4 trackhoe and then hauled to the UPRR cap area with the Volvo A45G off-road haul truck.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area. The DYNAPAC CA2500D roller was used to compact 1-ft loose lifts into subgrade.
- The LinkBelt 210x4 trackhoe and the CAT D6 bulldozer was used to place clean imported backfill into Excavation 6.
- The John Deere 624 front loader and the DYNAPAC CA2500D roller was used to clean up SE access road near track-out mats and place clean imported fill.
- The portable screen was taken offsite.
- Surveys marked locations of the 4-ft and 6-ft depth excavation extents for excavations 3 and 4.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.



5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - Three soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-W1-44-021623
 - SO-2494-W1-45-021623
 - SO-2494-P1-38-021623
 - No soil samples were submitted for laboratory analysis today.
- Soil Sample Results
 - Sample results for the WSDOT and Pentzer properties were received today:
 - SO-2494-P1-32-021323
 - SO-2494-P1-26-021323
 - SO-2494-W1-14-021423
 - SO-2494-W1-05-021423
 - SO-2494-W1-19-021423
 - SO-2494-W1-33-021423
 - SO-2494-W1-41-021423
 - SO-2494-P1-26-021323 and SO-2494-W1-41-021423 do not exceed CUL for any constituents of concern. SO-2494-P1-32-021323 exceeded CUL for barium. SO-2494-W1-14-021423, SO-2494-W1-05-021423, SO-2494-W1-19-021423, and SO-2494-W1-33-021423 exceeded CUL for arsenic.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 2 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons



- Former UPRR Dross Stockpile Area Materials Transfer: The Case D6 bulldozer and the Volvo A45G off-road haul truck were used all of the day. The Case CX210D trackhoe and the LinkBelt 210x4 trackhoe was used for half of the day. The John Deere 700L bulldozer was used for a quarter of the day. The John Deere 624 front loader was used for about 2 hours.

7.0 PHOTO LOG



Photograph 1: Excavation of SE corner of the WSDOT property to depth of 2ft below ground surface. View looking west.



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Photograph 2: Cleaning up, placing clean imported backfill, and rolling access road in SE corner of project area. View looking east.



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Photograph 3: Placing clean imported backfill in excavation 6. View looking east.



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Photograph 4: Staking from surveyors for 4-ft and 6-ft depth excavation extents in excavation 3 and 4. View looking east.



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DAILY FIELD REPORT # 92



Photograph 5: Loading and transporting excavated material from Pentzer to the UPRR cap area for placement in ecological cap subgrade. View looking north.



Date: February 17, 2023	On-Site: 0600 PDT	Off-Site: PDT 1700
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 32 °F / 43°F	Wind: SW at 5-10 MPH
Cloud Cover: Partly Cloudy and Cloudy	Precipitation: 0 IN, Scatted Snow Flurries

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Slope Stability and Wet Surfaces – the ground did not freeze last night so slopes may be slippery and unstable this morning and progressively worse throughout the day as it warms up. Be cautious traveling around site and watch for slope instability.
- Simultaneous Operations – GrayMar has multiple operations going at once. Be alert and aware of surrounding and site activity while traveling around on site.

■ Work Activities

- GrayMar continued excavations 1 and 2 on Pentzer property with the LinkBelt 210x4 trackhoe, and the Case CX210D trackhoe.
- The LinkBelt 210x4 trackhoe, Case CX210D trackhoe, and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on Pentzer property and transport material to the UPRR cap area.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area. The DYNAPAC CA2500D roller was used to compact 1-ft loose lifts into subgrade.
- GrayMar painted and installed entrance gate.
- GrayMar haul truck with pup brought to site to haul ecology blocks around site.

3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar got the go-ahead to begin coordinating excavations around BPA utilities. GrayMar reached out to BPA contact, R. Zeller, but have not heard back from him yet.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- Two soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-P1-34-021723
 - SO-2494-W1-40-021723



- Three soil samples were submitted for laboratory analysis today:

- SO-2494-P1-38-021623
- SO-2494-P1-34-021723
- SO-2494-W1-40-021723

- Soil Sample Results

- Sample results for backfill source #4 were received late today:

- Backfill has detected concentrations of petroleum hydrocarbons and associated cPAHs.
- Will evaluate cPAH results against MTCA unrestricted use criteria based on TEF values.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The Case CX210D trackhoe, LinkBelt 210x4 trackhoe, and the Volvo A45G off-road haul truck were used for three-quarters of the day. The Case D6 bulldozer and the DYNAPAC CA2500D were used for half the day.



7.0 PHOTO LOG



Photograph 1: UPRR property with excavated material from WSDOT and Pentzer properties placed into 1-ft loose lifts and compacted with roller. SW corner of cap area; view looking east.



Photograph 2: UPRR property with excavated material from WSDOT and Pentzer properties placed into 1-ft loose lifts (before compacted with roller).



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Photograph 3: UPRR property with excavated material from WSDOT and Pentzer properties placed into 1-ft loose lifts and compacted with roller. NE corner of cap area; view looking north.



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Photograph 4: UPRR property with excavated material from WSDOT and Pentzer properties placed into 1-ft loose lifts and compacted with roller. SE corner of cap area; view looking east.



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Photograph 5: Railroad ditch subgrade being prepped and graded to drain to west.



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Photograph 6: Excavation 1 on Pentzer property with 2-ft depth of material excavated. View looking west.



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DAILY FIELD REPORT # 93



Photograph 7: Excavation 2 on Pentzer property with 4-ft depth of material excavated. View looking east.



Date: February 20, 2023	On-Site: 0630 PDT	Off-Site: PDT 1630
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 37 °F / 49°F	Wind: SW at 10-25 MPH
Cloud Cover: Partly Cloudy and Cloudy	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
C. Bennett	GrayMar	Laborer

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- New Task Awareness – be cautious when starting new tasks and think through all the hazards before starting work. When new personnel are on site, even if they have previously been to site, be careful when reorienting self to site.
- Site Condition Assessment – be cautious and assess conditions on site when starting up work for the day as conditions could have change on site over the weekend.

■ Work Activities

- GrayMar continued excavations 1 and 2 on Pentzer property with the LinkBelt 210x4 trackhoe and the Case CX210D trackhoe.
- GrayMar used their haul truck (brought to site last Friday) to haul the ecology blocks from various locations around site to the west edge of the Kemira facility.
- The LinkBelt 210x4 trackhoe, Case CX210D trackhoe, and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on Pentzer property and transport material to the UPRR cap area.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area. The DYNAPAC CA2500D roller was used to compact 1-ft loose lifts into subgrade.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on the UPRR property side slope.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- Six soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-W1-05-3.0-022023



- SO-2494-W1-05-4.0-022023
- SO-2494-W1-06-3.0-022023
- SO-2494-W1-06-4.0-022023
- SO-2494-W1-33-3.0-022023
- SO-2494-W1-33-4.0-022023
- No soil samples were submitted for laboratory analysis today.
- **Soil Sample Results**
 - Sample results for Pentzer and WSDOT were received today:
 - SO-2494-P1-38-021623
 - SO-2494-P1-34-021723
 - SO-2494-W1-40-021723
 - SO-2494-P1-38-021623 exceeded CULs for mercury, aluminum, and barium. SO-2494-P1-34-021723 exceeded CULs for aluminum and barium. SO-2494-W1-40-021723 exceeded CUL for arsenic.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The Case CX210D trackhoe, LinkBelt 210x4 trackhoe, and the Volvo A45G off-road haul truck were used for three-quarters of the day. The Case D6 bulldozer and the DYNAPAC CA2500D were used for half the day.



7.0 PHOTO LOG



Photograph 1: Ecology blocks from various locations around site placed on west edge of Kemira facility. View looking east.



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Photograph 2: Link-Belt 210x4 excavating excavation 1 on the Pentzer property to a 4ft depth. View looking west.



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DAILY FIELD REPORT # 94



Photograph 3: Topsoil and subgrade interfacing material excavated from Pentzer being spread on to the UPRR ecological cap area.



Date: February 21, 2023	On-Site: 0630 PDT	Off-Site: PDT 1715
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 17 °F / 38°F	Wind: SW and E at 10-20 MPH	
Cloud Cover: Cloudy	Precipitation: 80% change of snow; <1 IN snow accumulation	

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
C. Bennett	GrayMar	Laborer

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Weather – colder weather starting today; dress accordingly and take breaks as needed.

- Work Activities
 - GrayMar continued excavations 1 and 2 to depth of 4ft and 6ft on Pentzer property with the LinkBelt 210x4 trackhoe and the Case CX210D trackhoe.
 - The LinkBelt 210x4 trackhoe, Case CX210D trackhoe, and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on Pentzer property and transport material to the UPRR cap area.
 - The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area. The DYNAPAC CA2500D roller was used to compact 1-ft loose lifts into subgrade.

3.0 PROBLEMS AND RESOLUTIONS:

- An interfacing layer of topsoil and subgrade material was being excavated out on Pentzer property. Golder recommended mixing topsoil material with other soil during or before placement.
- Golder observed boulders (>2 ft in diameter) being placed in the ecological cap subgrade. GrayMar said that some boulders (~2-4 ft in diameter, less than the trackhoe bucket width) were hauled to the UPRR ecological cap. Golder and GrayMar agreed that boulders already up on the UPRR cap area could be buried; making sure material is packed tightly around them. Moving forward, larger boulders encountered while excavating will be kept in place.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - Three soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-EX-2-01B-4.0-022123



- SO-2494-EX-2-02B-4.0-022123
- SO-2494-EX-2-03W-2.0-022123
- Three soil samples were submitted for laboratory analysis today:
 - SO-2494-W1-05-3.0-022023
 - SO-2494-W1-06-4.0-022023
 - SO-2494-W1-33-3.0-022023
- Two soil samples were submitted for laboratory analysis but put on hold today:
 - SO-2494-W1-05-4.0-022023
 - SO-2494-W1-33-4.0-022023

■ Soil Sample Results

- No sample results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The Case CX210D trackhoe and the Volvo A45G off-road haul truck were used for three-quarters of the day. The LinkBelt 210x4 trackhoe, Case D6 bulldozer, and the DYNAPAC CA2500D were used for half the day.



7.0 PHOTO LOG



Photograph 1: Interfacing layer of topsoil and subgrade material being excavated out on Pentzer property



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Photograph 2: Excavation 2 excavated down to 2ft, 4ft, and 6ft depths.



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DAILY FIELD REPORT # 95



Photograph 3: Excavating, loading, and hauling of material from excavation 1 to UPRR cap area.



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DAILY FIELD REPORT # 95



Photograph 4: Boulders stockpiled on UPRR property from WSDOT excavations. To be placed under cap.



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DAILY FIELD REPORT # 95



Photograph 5: UPRR cap area subgrade being placed in lifts are rolled for compaction.



Photograph 6: UPRR cap area subgrade being placed in lifts are rolled for compaction.



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DAILY FIELD REPORT # 95



Photograph 7: UPRR cap area subgrade being placed in lifts are rolled for compaction.



GOLDER
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DAILY FIELD REPORT # 95



Photograph 8: Excavation 1 on Pentzer property being excavated to 4ft depth.



Date: February 22, 2023	On-Site: 0630 PDT	Off-Site: PDT 1615
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 7 °F / 23°F	Wind: ENE at 15-25 MPH
Cloud Cover: Cloudy	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
M. Privett	GrayMar	Laborer
C. Bennett	GrayMar	Laborer

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Weather – extremely cold weather today; dress accordingly and take breaks as needed. Be careful operating heavy mobile equipment; hydraulic systems could freeze, stay away from excavation edges and steep slopes, be cautious traveling across frozen ground because they could be slippery.
- Public Access – people from the public tore down the silt fence and orange fencing on the west side of the site. GrayMar fixed/replaced section of silt fence to maintain functionality.

■ Work Activities

- GrayMar continued excavation 1 to depths of 4ft and 6ft on Pentzer property with the Case CX210D trackhoe and the John Deere 700L dozer.
- The Case CX210D trackhoe and the Volvo A45G off-road haul truck were used to load excavated material stockpiled on Pentzer property and transport material to the UPRR cap area.
- The CAT D6 bulldozer was used to spread excavated material from WSDOT and Pentzer into 1-ft loose lifts on UPRR cap area.
- The LinkBelt 210x4 trackhoe and the John Deere 624 loader spread out boulders in WSDOT excavation (including some of the boulders accidentally brought to the UPRR cap area).

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- Five soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-EX-2-04B-6.0-022223
 - SO-2494-DUP-8-022223 (from SO-2494-EX-2-04B-6.0-022223)
 - SO-2494-EX-1-01B-6.0-022223



- SO-2494-EX-1-02B-4.0-022223
- SO-2494-EX-1-03W-2.0-022223
- No soil samples were submitted for laboratory analysis today
- Soil Sample Results
 - No sample results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The Case CX210D trackhoe and the Volvo A45G off-road haul truck were used for three-quarters of the day. The Case D6 bulldozer and the John Deere 700L bulldozer was used for half the day.



7.0 PHOTO LOG



Photograph 1: Excavating and cleaning up of excavation 1.



Photograph 2: Excavation 1 ready for sampling after being excavated and cleaned up.



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DAILY FIELD REPORT # 96



Photograph 3: GrayMar placing and spreading boulders in excavation 6.



Date: February 23, 2023	On-Site: 0630 PDT	Off-Site: PDT 1130
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 5 °F / 18°F	Wind: NE at 15-25 MPH
Cloud Cover: Cloudy and Partly Cloudy	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Weather – extremely cold weather today; dress accordingly and take breaks as needed. Be careful operating heavy mobile equipment; hydraulic systems could freeze, stay away from excavation edges and steep slopes, be cautious traveling across frozen ground because they could be slippery.
- Safety Berm Around Excavations – GrayMar to place a soil safety berm around excavations today to keep people and vehicles from walking or driving, respectively, into the excavations.

■ Work Activities

- GrayMar begins excavation 4 to depths of 4-ft and 6-ft on WSDOT property with the LinkBelt 210x4 trackhoe and the John Deere 700L dozer.
- The LinkBelt 210x4 trackhoe and the Volvo A45G off-road haul truck were used to load excavated material from the WSDOT property and transport material to the UPRR cap area.
- GrayMar cleaned up material from edge of access road that was pushed up against silt fence when doing the 2-ft excavations on WSDOT property.
- Ended work early due to cold weather with severe windchill.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- No soil samples were collected for XRF and/or laboratory analysis today.
- Nine soil samples were submitted for laboratory analysis today
 - SO-2494-EX-2-01B-4.0-022123
 - SO-2494-EX-2-02B-4.0-022123
 - SO-2494-EX-2-03W-2.0-022123



- SO-2494-EX-2-04B-6.0-022223
- SO-2494-DUP-8-022223 (from SO-2494-EX-2-04B-6.0-022223)
- SO-2494-EX-1-01B-6.0-022223
- SO-2494-EX-1-02B-4.0-022223
- SO-2494-EX-1-03W-2.0-022223
- RB-2494-8-022223

■ **Soil Sample Results**

- Three sample results were received today:
 - SO-2494-W1-05-3.0-022023
 - SO-2494-W1-06-4.0-022023
 - SO-2494-W1-33-3.0-022023
- All three samples exceeded CULs for arsenic. SO-2494-W1-06-4.0-022023 exceeded CULs for copper. No further excavation will be conducted at W1-33.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 and the Volvo A45G off-road haul truck were used for 3 hours today.



7.0 PHOTO LOG



Photograph 1: Excavation 4 with safety berms around edge of excavation.



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DAILY FIELD REPORT # 97



Photograph 2: Excavator removing material from edge of road that was pushed up against silt fence when doing the 2-ft excavations on WSDOT property.



Date: February 24, 2023	On-Site: 0630 PDT	Off-Site: 1230 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 13 °F / 28°F	Wind: Light and variable winds
Cloud Cover: Partly Cloudy and Sunny	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
J. DeJong	UPRR	Project Manager
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Weather – cold weather again today. Even though it is warmer than yesterday, still remember to dress accordingly and take breaks as needed. Be careful operating heavy mobile equipment; hydraulic systems could freeze, stay away from excavation edges and steep slopes, be cautious traveling across frozen ground because they could be slippery.
- Fatigue – even though it is Friday and we may be looking forward to our two days off of work or we may be fatigued from the cold; be sure to stay focused on the tasks we have going on today and do not let future plans distract you.

■ Work Activities

- GrayMar continues excavations 3 and 4 to depths of 4ft and 6ft on WSDOT property with the Case CX210D trackhoe, the LinkBelt 210x4 trackhoe, and the CAT D6 dozer.
- The LinkBelt 210x4 trackhoe was used to excavate any additional dross material observed around excavation 1.
- The Case CX210D trackhoe and the Volvo A45G off-road haul truck were used to load excavated material from the WSDOT property and transport material to the UPRR cap area.
- Cold weather made the ground impenetrable and difficult to dig so ended work early.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- Four soil samples were collected for XRF and/or laboratory analysis today.
 - SO-2494-EX-1-04B-4.0-022423
 - SO-2494-EX-1-05B-4.0-022423
 - SO-2494-EX-1-06W-2.0-022423
 - SO-2494-EX-1-07B-4.0-022423



- Four soil samples were submitted for laboratory analysis today
 - SO-2494-EX-1-04B-4.0-022423
 - SO-2494-EX-1-05B-4.0-022423
 - SO-2494-EX-1-06W-2.0-022423
 - SO-2494-EX-1-07B-4.0-022423

■ Soil Sample Results

- No sample results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0.5 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The Case CX210D trackhoe, the LinkBelt 210x4 trackhoe and the Volvo A45G off-road haul truck were used for 3 hours today.



7.0 PHOTO LOG



Photograph 1: Excavation 4 with safety berms around edge of excavation.



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DAILY FIELD REPORT # 98



Photograph 2: Ecological cap subgrade being prepped with excavated material stockpiled to spread into another 1ft loose lift.



Date: February 27, 2023	On-Site: 0630 PDT	Off-Site: 1600 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 30°F / 42°F	Wind: SE at 5 to 10 MPH
Cloud Cover: Partly Cloudy and Sunny	Precipitation: 0 IN, 40% Chance of Snow

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
T. Norton	Golder	Project Manager
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - New Personnel Onsite – BPA staff and their air monitoring consultant will be on site today. Do a standdown safety meeting with them once they arrive onsite. Look after one another and make sure everyone is staying safe.
- Work Activities
 - GrayMar uses CAS CX57C mini excavator to remove vegetation and topsoil around BPA infrastructure with BPA supervision. John Deere 624 loader used to stockpile vegetation and topsoil to be taken offsite.
 - The LinkBelt 210x4 trackhoe continues excavations 1 and 2 to a depth of 4ft in the NE corner of the Pentzer property. John Deere 624 loader and the Volvo A45G off-road haul truck were used to haul excavated material to UPRR cap area.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - Five backfill samples and five topsoil samples were collected for XRF and/or laboratory analysis today:
 - BF5-2494-01-022723
 - BF5-2494-02-022723
 - BF5-2494-03-022723
 - BF5-2494-04-022723
 - BF5-2494-05-022723
 - TS2-2494-01-022723
 - TS2-2494-02-022723



- TS2-2494-03-022723
- TS2-2494-04-022723
- TS2-2494-05-022723
- Five backfill samples, five topsoil samples, and one QA/QC sample were submitted for laboratory analysis today:
 - BF5-2494-01-022723
 - BF5-2494-02-022723
 - BF5-2494-03-022723
 - BF5-2494-04-022723
 - BF5-2494-05-022723
 - TS2-2494-01-022723
 - TS2-2494-02-022723
 - TS2-2494-03-022723
 - TS2-2494-04-022723
 - TS2-2494-05-022723
 - TB-2494-3-022723

■ **Soil Sample Results**

- Thirteen sample results were received today.
 - SO-2494-EX-2-01B-4.0-022123
 - SO-2494-EX-2-02B-4.0-022123
 - SO-2494-EX-2-03W-2.0-022123
 - SO-2494-EX-2-04B-6.0-022223
 - SO-2494-DUP-8-022223 (from SO-2494-EX-2-04B-6.0-022223)
 - SO-2494-EX-1-01B-6.0-022223
 - SO-2494-EX-1-02B-4.0-022223
 - SO-2494-EX-1-03W-2.0-022223
 - RB-2494-8-022223
 - SO-2494-EX-1-04B-4.0-022423
 - SO-2494-EX-1-05B-4.0-022423
 - SO-2494-EX-1-06W-2.0-022423



- SO-2494-EX-1-07B-4.0-022423
- No sample results exceeded CULs for the constituents of concern.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 trackhoe was used for 6 hours. The John Deere 624 loader and the Volvo A45G off-road haul truck were used for 2 hours today.



7.0 PHOTO LOG



Photograph 1: Pentzer property with topsoil and vegetation removed around BPA utilities.



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Photograph 2: Excavation 2 on Pentzer property to depth of 4ft.



Date: February 28, 2023	On-Site: 0630 PDT	Off-Site: 1100 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 17°F / 39°F	Wind: SW at 10 to 15 MPH
Cloud Cover: Partly Cloudy and Cloudy	Precipitation: 0 IN, 15% Chance of Snow

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
T. Norton	Golder	Project Manager
M. Gipson	GrayMar	Project Manager
C. Bennett	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Snowy Conditions – there is about 6” of snow that has fallen since leaving site yesterday. Be cautious driving to and from site and traveling around site on foot or in equipment. Surfaces may be slippery and wet.

- Work Activities
 - GrayMar unable to do any project task work with the weather conditions.
 - GrayMar cleared snow off access roads and some work areas with the John Deere 624.
 - GrayMar did miscellaneous clean up and maintenance tasks around site.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - No samples were collected for XRF and/or laboratory analysis today.
 - No samples were submitted for laboratory analysis today.
- Soil Sample Results
 - No sample results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)



- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons

- Former UPRR Dross Stockpile Area Materials Transfer: NA.

7.0 PHOTO LOG



Photograph 1: Snow covering site.



Date: March 1, 2023	On-Site: 0630 PDT	Off-Site: 1600 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 30°F / 38°F	Wind: WSW at 5 to 10 MPH
Cloud Cover: Fog, Partly Cloudy, and Cloudy	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Snowy and Icy Surfaces – surfaces are full of ice and snow so be very cautious traveling and working around site. Do not take any risks and work very carefully.
 - Cold Weather – the weather continues to be cold. Wear appropriate clothing and take breaks as needed.
 - Foggy Conditions – fog is predicted for part of the day so there will be low visibility. Operating accordingly with the knowledge that you may not be able to see everything in your surroundings.

- Work Activities
 - GrayMar cleans and clears snow and ice from access and work areas with the Case CX210D trackhoe, John Deere 700L dozer, and CAT D6 dozer.
 - GrayMar continues excavations 1 and 2 to a 4-ft depth in the NE corner of the Pentzer property. GrayMar hauled all excavated material to the UPRR cap area with the Volvo A45G Off-Road Haul Truck.
 - GrayMar continued excavating the north side of the UPRR property where dross remained in the proposed railroad ditch area with the Case CX210D trackhoe.

3.0 PROBLEMS AND RESOLUTIONS:

- During excavation of excavation 2 to a depth of 4-ft, GrayMar uncovered a buried underground utility line. GrayMar continued to dig/uncover 15-20-ft of the buried line before stopping work around the line. Golder recommended GrayMar stop work in this area and call Avista to let them know what happened so that they can decide what they wanted to do. GrayMar called Avista who sent a dispatcher to look at the uncovered line. GrayMar said they would stop work in this area until they got further direction from Avista.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - No samples were collected for XRF and/or laboratory analysis today.



- No samples were submitted for laboratory analysis today.
- Soil Sample Results
 - One sample result was received today:
 - SO-2494-W1-05-4.0-022023
 - Results for SO-2494-W1-05-4.0-022023 exceed CULs for Arsenic.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 trackhoe was used for half the day to excavated material to be placed under the cap. The Volvo A45G Off-Road Haul Truck was used for half the day to haul material from the Pentzer property excavations 1 and 2 to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Cleared access roads from snow and ice for safe travel.



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Photograph 2: Clearing ecological cap area of snow and ice.



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DAILY FIELD REPORT # 101



Photograph 3: Placement of excavated material from Pentzer on cap area at crest of slope. To be spread and compacted once snow melts.



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DAILY FIELD REPORT # 101



Photograph 4. Exposed utility line that GrayMar uncovered.



Date: March 2, 2023	On-Site: 0630 PDT	Off-Site: 1600 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 27°F / 42°F	Wind: SW at 15 to 25 MPH
Cloud Cover: Partly Cloudy and Cloudy	Precipitation: 0 IN, 17% Chance of Snow

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Continue of Snowy Conditions – snow is still on the ground, and it might snow more throughout day. Wear appropriate clothing and take breaks as needed. Surfaces will be slippery, especially if the weather warms up and snow starts to melt. Snow could be covering the unevenness of the ground so walk carefully. Stay clear of equipment because they could slip easily in these conditions. Do not take any risks and work very carefully.

■ Work Activities

- GrayMar continued excavating to a depth of 2-ft in NW corner of the Pentzer property around trees still in place. GrayMar tried to excavate as much of the 2ft excavation area as possible without having to remove or harm the health of trees in this area.
- GrayMar continued excavating the north side of the UPRR property where dross remained in the proposed railroad ditch area with the Case CX210D trackhoe. GrayMar uses excavated material from WSDOT and Pentzer to bring the railroad ditch area back up to grade.
- GrayMar continued excavating excavations 3 and 4 with the LinkBelt 210x4 trackhoe and the CAT D6 dozer. Excavated material was then hauled up to the UPRR cap area with the Volvo A45G Off-Road Haul Truck.

3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar used excavated material from WSDOT and Pentzer properties to bring the railroad ditch area back up to grade. The ecological cap will be extended to include this area.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

■ Dust Monitoring

- Collected reads, all samples within limits.

■ Soil Sampling

- Three samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-EX-1-08B-4.0-030223
 - SO-2494-EX-1-09W-2.0-030223



- SO-2494-P1-01-030223
- No samples were submitted for laboratory analysis today.
- Soil Sample Results
 - Ten sample result were received today:
 - BF5-2494-01-022723
 - BF5-2494-02-022723
 - BF5-2494-03-022723
 - BF5-2494-04-022723
 - BF5-2494-05-022723
 - TS2-2494-01-022723
 - TS2-2494-02-022723
 - TS2-2494-03-022723
 - TS2-2494-04-022723
 - TS2-2494-05-022723
 - The following samples exceeded CULs for Barium:
 - BF5-2494-01-022723
 - BF5-2494-02-022723
 - BF5-2494-04-022723
 - TS2-2494-01-022723
 - TS2-2494-02-022723
 - TS2-2494-03-022723
 - TS2-2494-04-022723
 - TS2-2494-05-022723

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)



- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons

- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 trackhoe was used for half the day to excavated material to be placed under the cap. The Case CX210D trackhoe was used for half the day to excavate dross material from the railroad ditch area and place material for the subgrade surface. The Volvo A45G Off-Road Haul Truck was used for three quarters of the day to haul material from the WSDOT property excavations 3 and 4 to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Excavation of the NW corner of the Pentzer property to a depth of 2-ft.



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Photograph 2: Excavation of dross in the railroad ditch area on the UPRR property.



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DAILY FIELD REPORT # 102



Photograph 3: Excavation of excavations 3 and 4 on WSDOT property and loading of the Volvo A45G Off-Road Haul Truck to haul material to the UPRR cap area.



Date: March 3, 2023		On-Site: 0630 PDT	Off-Site: 1600 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project			
Location: Trentwood, WA		Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad		Contractor: GrayMar	

High/Low Temperature: 28°F / 40°F	Wind: SW at 10 to 15 MPH
Cloud Cover: Partly Cloudy and Partly Sunny	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Warmer Weather – with the ground warming up and the snow melting the ground will be muddy and wet. Be careful traveling around site as surfaces will be slippery. Stay clear of heavy mobile equipment because they could slip on the muddy surfaces.
- Work Activities
 - GrayMar continued excavating the north side of the UPRR property where dross remained in the proposed railroad ditch area with the Case CX210D trackhoe. GrayMar placed material to bring the railroad ditch area back up to grade.
 - GrayMar continued excavating excavations 3 and 4 with the LinkBelt 210x4 trackhoe and the CAT D6 dozer. Excavated material was then hauled up to the UPRR cap area with the Volvo A45G Off-Road Haul Truck.

3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar removed excess material between excavations 2 and 3 to make the road and the area around it gradual and without a large berm between the two excavations. There is now a large area that is excavated down to 6-ft that was only required 2-ft to 4-ft of removal. Golder mapped this area in the online ArcGIS map and will calculate approximate volume of additional 2 feet of excavated material.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected reads, all samples within limits.
- Soil Sampling
 - No samples were collected for XRF and/or laboratory analysis today.
 - Two samples were submitted for laboratory analysis today:
 - SO-2494-EX-1-08B-4.0-030223
 - SO-2494-EX-1-09W-2.0-030223
- Soil Sample Results
 - No sample result were received today.



6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons

- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 trackhoe was used for three quarters of the day to excavated material to be placed under the cap. The Case CX210D trackhoe was used for half the day to excavate dross material from the railroad ditch area and place material for the subgrade surface. The Volvo A45G Off-Road Haul Truck was used for three quarters of the day to haul material from the WSDOT property excavations 3 and 4 to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Excavation 4 being excavated and the excavator removing additional dross visible to the east of excavation 4. View looking east.



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DAILY FIELD REPORT # 103



Photograph 2: Excavation 3 being excavated, and material being loaded into the off road haul truck to be hauled to the UPRR cap area. View looking west.



Date: March 6, 2023	On-Site: 0630 PDT	Off-Site: 1130 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 22°F / 39°F	Wind: E at 5 to 10 MPH
Cloud Cover: Cloudy	Precipitation: 1 IN, 90% Chance of Snow

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Snowy Conditions and S/T/F – snow expected for most of the day into the afternoon. Visibility is low and it will be difficult to see any obstacles on the ground. Slips, trips falls are a high hazard in these conditions. Be alert and cautious while walking and doing work around site.
- Work Activities
 - GrayMar continued excavating excavation 4 with the LinkBelt 210x4. Additional dross was observed in the east wall of the excavation. Material was removed until no dross was observed. Excavated material was then hauled up to the UPRR cap area with the Volvo A45G Off-Road Haul Truck.
 - GrayMar excavated an additional 2ft at W1-05 and W1-06 because sample results came back high for CULs.
 - GrayMar ended work early for the day because it was continuously snowing with additional snow expected.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Unable to collect reads.
- Soil Sampling
 - Eleven samples were collected for XRF and/or laboratory analysis today.
 - SO-2494-EX-4-01B-6.0-030623
 - SO-2494-EX-4-02W-3.0-030623
 - SO-2494-EX-4-03B-4.0-030623
 - SO-2494-EX-4-04W-4.0-030623
 - SO-2494-EX-4-05B-6.0-030623
 - SO-2494-EX-4-06B-4.0-030623
 - SO-2494-EX-4-07W-3.0-030623



- SO-2494-EX-4-08B-4.0-030623
- SO-2494-EX-4-09B-4.0-030623
- SO-2494-EX-4-10W-4.0-030623
- SO-2494-EX-4-11B-6.0-030623
- No samples were submitted for laboratory analysis today.

■ Soil Sample Results

- Two sample results were received today:
 - SO-2494-EX-1-08B-4.0-030223
 - SO-2494-EX-1-09W-2.0-030223
- No sample results exceeded CULs.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt 210x4 trackhoe was used for four hours to excavated material to be placed under the cap. The Volvo A45G Off-Road Haul Truck was used for four hours to haul material from the WSDOT property to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Snowy conditions on site.



Photograph 2: Removal of additional dross observed on the east wall of excavation 4.



Photograph 3: W1-05 and W1-06 excavated an additional 2-ft for a total depth of 6-ft.



Date: March 7, 2023	On-Site: 0630 PDT	Off-Site: 1715 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 25°F / 41°F	Wind: ENE at 3 to 12 MPH
Cloud Cover: Cloudy AM, Sunny PM	Precipitation: 0.09 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
L. Cummings	BPA	Forman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Warming Weather – the weather is warming up today and the ground will begin to thaw. Surfaces will be wet and muddy. Be cautious traveling around site and working in these conditions.
 - Site Traffic – haul trucks will begin bringing backfill to site today. There will be an increase in site traffic and people on site who are unaware of all operation going on. Be cautious and look out for everyone on site.

- Work Activities
 - GrayMar began excavating around the BPA infrastructure to a depth on 2-ft with the oversight and assistance of BPA personnel on site. GrayMar used the CAS CX57C mini excavator to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area.
 - Haul trucks began bringing backfill to site and GrayMar began placing backfill material in the SW and the SE corner of the WSDOT property. GrayMar placed backfill in 1-ft loose lifts with the CAT D6 dozer and then compacted the material with the DYNAPAC CA2500D roller.

3.0 PROBLEMS AND RESOLUTIONS:

- Golder inquired with BPA if the grates surrounding the BPA power poles could be moved so that GrayMar could excavated beneath them. BPA said these grates are to protect their employees when turning on and off the switches of the power poles by grounding them. BPA said they would not be able to remove these grates for safety reason in case there is an emergency power outage the power pole switches need to be accessed.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collect reads, all samples within limits.
- Soil Sampling
 - Eleven samples were collected for XRF and/or laboratory analysis today:



- SO-2494-W1-02-030723
- SO-2494-W1-03-030723
- SO-2494-W1-04-030723
- SO-2494-W1-05-030723
- SO-2494-W1-06-030723
- SO-2494-EX-3-01B-4.0-030723
 - SO-2494-DUP-9-030723
- SO-2494-EX-3-02W-3.0-030723
- SO-2494-EX-3-03B-4.0-030723
- SO-2494-EX-3-04W-3.0-030723
- SO-2494-EX-3-05B-4.0-030723
- Eleven samples were submitted for laboratory analysis today:
 - SO-2494-EX-4-01B-6.0-030623
 - SO-2494-EX-4-02W-3.0-030623
 - SO-2494-EX-4-03B-4.0-030623
 - SO-2494-EX-4-04W-4.0-030623
 - SO-2494-EX-4-05B-6.0-030623
 - SO-2494-EX-4-06B-4.0-030623
 - SO-2494-EX-4-07W-3.0-030623
 - SO-2494-EX-4-08B-4.0-030623
 - SO-2494-EX-4-09B-4.0-030623
 - SO-2494-EX-4-10W-4.0-030623
 - SO-2494-EX-4-11B-6.0-030623

■ Soil Sample Results

- No sample results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.



- Weigh Ticket Dross Hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 67
 - Volume of backfill brought to site: 1,646.91 tons
 - Backfill total to date: 9,800.36 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used the entire day excavated material to be placed under the cap. The John Deere 624 loader was used the entire day to haul material from the Pentzer property to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Haul trucks beginning to place backfill material in SW corner of the WSDOT property.



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DAILY FIELD REPORT # 105



Photograph 2: Placing backfill material in 1-ft loose lifts and compacting it with the roller.



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DAILY FIELD REPORT # 105



Photograph 3: Excavating around BPA infrastructure to a depth of 2-ft.



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DAILY FIELD REPORT # 105



Photograph 4: Excavating around BPA infrastructure to a depth of 2-ft.



Date: March 8, 2023	On-Site: 0630 PDT	Off-Site: 1700 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 28°F / 43°F	Wind: ENE at 3 to 13 MPH
Cloud Cover: Partly Cloudy and Sunny	Precipitation: 0 IN

Personnel On Site /Company	Company	Responsibility
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
D. Anderson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
P. James	BPA	Lineman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Traffic – haul trucks will begin bringing backfill to site today. BPA on site today. There will be an increase in site traffic and people on site who are unaware of all operation going on. Be cautious and look out for everyone on site.

- Work Activities
 - GrayMar continued excavating around the BPA infrastructure to a depth on 2-ft with the oversight and assistance of BPA personnel on site. GrayMar used the CAS CX57C mini excavator to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area.
 - Haul trucks continue to bring backfill to site and GrayMar continues placing backfill material on the WSDOT property. GrayMar placing backfill in 1-ft loose lifts with the CAT D6 dozer and then compacted the material with the DYNAPAC CA2500D roller.
 - GrayMar began hauling stockpiled topsoil, vegetation, and excess dross offsite.

3.0 PROBLEMS AND RESOLUTIONS:

- BPA measured the depth of the excavation directly next to the guywires of their poles. BPA measured the depth to be slightly deeper than 2-ft. GrayMar corrected their excavation depth to make sure they were only excavating 2-ft around the BPA infrastructure. BPA confirmed that the locations that were slightly over excavated are fine but to only remove 2-ft going forward. See Photograph 1.
- GrayMar uncovered BPA's grounding wires and broke one of the conduits while excavating. See Photograph 4. A wire was also pulled out of the prongs it was connected to on the power pole when this happened. GrayMar stopped excavating after this happened so that BPA personnel on site could inspect the infrastructure. BPA reconnected the wire to the prongs on the power pole and inspected their underground infrastructure. BPA reported they saw no damage other than the broken conduit and no safety hazards were imminent. BPA requested GrayMar leave the wire and broken conduit exposed while they decide what they want to do with it. BPA also requested GrayMar take extra precautions around the grounding infrastructure now that they know the location and depth of the wires and conduit (i.e., use hand tools around the buried wires and conduits).

Part of the reason why this happened was because BPA personnel on site did not have copies of their plans on site and did not know the depth of their grounding infrastructure. BPA reported



after the fact that they assumed the infrastructure would be deeper than 2-ft below ground and did not expect this to happen.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring

- Collected reads, all samples within limits.

- Soil Sampling

- Four samples were collected for XRF and/or laboratory analysis today:

- SO-2494-W1-18-030823
- SO-2494-W1-32-030823
- SO-2494-EX-3-06B-6.0-030823
- SO-2494-EX-3-07B-4.0-030823

- Ten samples were submitted for laboratory analysis today:

- SO-2494-EX-3-01B-4.0-030723
 - SO-2494-DUP-9-030723
- SO-2494-EX-3-02W-3.0-030723
- SO-2494-EX-3-03B-4.0-030723
- SO-2494-EX-3-04W-3.0-030723
- SO-2494-EX-3-05B-4.0-030723
- SO-2494-EX-3-06B-6.0-030823
- SO-2494-EX-3-07B-4.0-030823
- SO-2494-W1-02-030723
- SO-2494-W1-18-030823

- Soil Sample Results

- No sample results were received today.



6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
 - Weigh Ticket Dross Hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 2,558.30 tons
 - Backfill total to date: 12,358.66 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used the entire day excavated material to be placed under the cap. The John Deere 624 loader was used the entire day to haul material from the Pentzer property to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Excavation around BPA infrastructure on the Pentzer property to a depth of 2-ft. Excavation slightly more than 2-ft around guywires.



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DAILY FIELD REPORT # 106



Photograph 2: GrayMar hauling topsoil, vegetation, and excess cross stockpile offsite.



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DAILY FIELD REPORT # 106



Photograph 3: Placing, spreading, and rolling backfill on WSDOT property.



GOLDER
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DAILY FIELD REPORT # 106



Photograph 4: Exposed BPA grounding infrastructure with the wire conduit broken.



Date: March 9, 2023	On-Site: 0620 PDT	Off-Site: 1720 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 28°F / 35°F	Wind: ENE at 3 to 10 MPH
Cloud Cover: Cloudy Snow until noon	Precipitation: 4 IN Snow

Personnel On Site /Company	Company	Responsibility
T. Norton	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
D. Anderson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
P. James	BPA	Lineman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Snowy weather – haul trucks will continue to bring backfill to site today. BPA on site today for excavation near utilities. Poor visibility be cautious and look out for everyone on site.
- Work Activities
 - GrayMar continued excavating around the BPA infrastructure to a depth on 2-ft with the oversight and assistance of BPA personnel on site. GrayMar used the CAS CX57C mini excavator to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area (not considered part of transfer of cap materials). GrayMar also excavated near utility pole and guy wire anchors near excavation 2 and samples collected because BPA does not work on Fridays.
 - Haul trucks continue to bring backfill to site and GrayMar continues placing backfill material on the WSDOT property. GrayMar placing backfill in 1-ft loose lifts with the CAT D6 dozer and then compacted the material with the DYNAPAC CA2500D roller.

3.0 PROBLEMS AND RESOLUTIONS:

- No issues were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - No dust monitoring conducted due to snow.
- Soil Sampling
 - Seven samples were collected for XRF and submittal to the analytical to the laboratory for analysis today, the were added to three samples collected on previous days:
 - SO-2494-W1-05-030223
 - SO-2494-W1-06-030223
 - SO-2494-W1-11-030723
 - SO-2494-EX-2-05B-2.0-030923
 - SO-2494-EX-2-06B-4.0-030923
 - SO-2494-EX-2-07B-2.0-030923



- SO-2494-EX-2-08B-4.0-030923
- SO-2494-EX-2-09B-4.0-030923
- SO-2494-EX-2-10B-4.0-030923
- SO-2494-DUP-10-030923

■ **Soil Sample Results**

– Sample results were received today for the following samples.

- SO-2494-EX-4-01B-6.0-030623
- SO-2494-EX-4-02W-3.0-030623
- SO-2494-EX-4-03B-4.0-030623
- SO-2494-EX-4-04W-4.0-030623
- SO-2494-EX-4-05B-6.0-030623
- SO-2494-EX-4-06B-4.0-030623
- SO-2494-EX-4-07W-3.0-030623
- SO-2494-EX-4-08B-4.0-030623
- SO-2494-EX-4-09B-4.0-030623
- SO-2494-EX-4-10W-4.0-030623

With the exception of SO-2494-EX-4-07W-3.0-030623 all of the samples had one or more COCs that exceeded CULs. CULs were exceeded for arsenic, barium or copper. Not all locations that exceeded CULs will be subject to additional excavation.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 90
- Volume of backfill brought to site: 2,222.77 tons
- Backfill total to date: 14,581.43 tons
- Former UPRR Dross Stockpile Area Materials Transfer: No work was conducted in association with the Former UPRR Dross Stockpile Area.



7.0 PHOTO LOG



Photograph 1: Excavation around BPA infrastructure on the Pentzer property to a depth of 2-ft. Hand digging around ground wire conduit.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 107



Photograph 2: Importing #5 backfill onto WSDOT Property in the morning



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 107



Photograph 3: Compacted backfill on WSDOT property in the afternoon.



Date: March 10, 2023	On-Site: 0630 PDT	Off-Site: 1620 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 28°F / 32°F	Wind: ENE at 3 to 10 MPH
Cloud Cover: Cloudy Snow	Precipitation: 4 IN Snow

Personnel On Site /Company	Company	Responsibility
T. Norton	Golder	Construction Observation/Sampling & Analysis
J. Roman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
D. Anderson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
P. James	BPA	Lineman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Snowy weather – haul trucks will continue to bring backfill to site today. GrayMar will be working on the cap area and bringing in backfill. Avista will be on site to remove connection to utility pole associated with uncovered (abandoned) underground line. New site activity stay away from utility pole area.
- Work Activities
 - Avista disconnected abandoned lines from utility pole in southeast are of upper cap, Foreman Jason Thompson stated it was ok to remove 6-inchs of topsoil away from around pole without oversight.
 - GrayMar hauled material to build subgrade for upper cap area placed and compacted it.
 - Haul trucks continue to bring backfill to site and GrayMar continued placing backfill material on the WSDOT property. GrayMar pushed out backfill material in 1-ft loose lifts with the CAT D6 dozer (Dozer moved from upper cap area to WSDOT at noon). and then compacted the material with the DYNAPAC CA2500D roller.

3.0 PROBLEMS AND RESOLUTIONS:

- No issues were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - No dust monitoring conducted due to snow.
- Soil Sampling
 - Ten samples were sent to the analytical laboratory for analysis today:
 - SO-2494-W1-05-030223
 - SO-2494-W1-06-030223
 - SO-2494-W1-11-030923
 - SO-2494-EX-2-05B-2.0-030923
 - SO-2494-EX-2-06B-4.0-030923



- SO-2494-EX-2-07B-2.0-030923
- SO-2494-EX-2-08B-4.0-030923
- SO-2494-EX-2-09B-4.0-030923
- SO-2494-EX-2-10B-4.0-030923
- SO-2494-DUP-10-030923

■ Soil Sample Results

- Sample results were received today for the following samples.
 - SO-2494-EX-3-01B-4.0-030723
 - SO-2494-EX-3-02W-3.0-030723
 - SO-2494-EX-3-03B-4.0-030723
 - SO-2494-EX-3-04W-3.0-030723
 - SO-2494-EX-3-05B-4.0-030723
 - SO-2494-EX-3-06B-6.0-030723
 - SO-2494-EX-3-07B-4.0-030723
 - SO-2494-W1-02-030723
 - SO-2494-W1-18-030823
 - SO-2494-DUP-9-030723

All of the samples had one or more COCs that exceeded CULs. CULs were exceeded for arsenic, barium or copper. Not all locations that exceeded CULs will be subject to additional excavation.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 97
- Volume of backfill brought to site: 2,357.68 tons
- Backfill total to date: 16,941.11 tons
- Former UPRR Dross Stockpile Area Materials Transfer: Gray Mar used CX210D trackhoe to load Volvo articulated dump truck and place material from west end of UPRR/Pentzer area to west side of upper cap area. D6 Dozer was used until noon to spread material in 1-foot lift, small dozer was used



to push material to the trackhoe. CX210D trackhoe small dozer and Volvo dump truck were used all day for this task. The D6 dozer was used for ½ day.

7.0 PHOTO LOG



Photograph 1: Placement of backfill #5 on WSDOT.



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Photograph 2: Building subgrade in upper UPRR cap area.



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Photograph 3: Avista cutting/removing abandoned lines from utility pole.



Date: March 13, 2023	On-Site: 0540 PDT	Off-Site: 1700 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 33 °F / 49°F	Wind: NW to NE at 0 to 10 MPH
Cloud Cover: Cloudy	Precipitation: 0.3 IN Rain

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Weight Ticket Verification
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
L. Cummings	BPA	Lineman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup



- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Conditions – Site conditions are saturated, soft, and slick. Avoid slopes and mind footing and watch out for signs of slope and excavation instability.
 - New Personnel – Several personnel are either new to site or returning after an extended time away, take time to familiarize oneself with site hazards, be cautious, ask for guidance if needed.

- Work Activities
 - GrayMar continued excavating around the BPA infrastructure to a depth on 2-ft with the oversight and assistance of BPA personnel on site. GrayMar used the CAS CX57C mini excavator to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area.
 - GrayMar utilized the John Deere 700L dozer to transfer excavated materials stockpiled on the western portion of the Pentzer properties to the UPRR cap area.
 - Excavation 3 and Excavation 4 were expanded today due to laboratory analysis results received indicating that multiple samples exceeded CULs. The north and south portions of the excavations were expanded using the CAT D6 dozer and/or John Deere 700L dozer. The excavated materials were stockpiled within the excavation area for future loadout.
 - Haul trucks continue to bring backfill to site for the first half of the day and GrayMar continued placing backfill material on the WSDOT property. GrayMar placed backfill in a 1-ft loose lift with the CAT D6 dozer and/or John Deere 700L dozer. Due to the saturated conditions, GrayMar did not compact the lift today.
 - GrayMar continued hauling stockpiled topsoil and vegetation dross offsite. Stockpiled dross material will be mixed with excavated materials from WSDOT and Pentzer properties and placed in the UPRR cap area.
 - A saturated area of the cap that was previously backfilled was re-excavated and drier backfill materials were used to replace the saturated material.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.



4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Due to the constant rain, no dust monitoring readings were taken.
- Soil Sampling
 - Five samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-P1-20-031323
 - SO-2494-P1-41-031323
 - SO-2494-EX-3-08B-6.0-031323
 - SO-2494-EX-3-09B-6.0-031323
 - SO-2494-EX-4-12B-4.0-031323
- Soil Sample Results
 - Sample results for the following samples were received today:
 - SO-2494-W1-05-030723
 - SO-2494-W1-06-030723
 - SO-2494-W1-11-030723
 - SO-2494-EX-2-05B-2.0-030923
 - SO-2494-EX-2-06B-4.0-030923
 - SO-2494-EX-2-07B-2.0-030923
 - SO-2494-EX-2-08B-4.0-030923
 - SO-2494-EX-2-09B-4.0-030923
 - SO-2494-EX-2-10B-4.0-030923
 - SO-2494-DUP-10-030923

Arsenic was elevated in SO-2494-W1-11-030723 and this location will be excavated from 4.0 to 6.0 feet bgs. All other location do not require any further excavation.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.



- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 48
- Volume of backfill brought to site: 1,193.93 tons
- Backfill total to date: 18,135.04 tons

- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used the entire day, with excavated material to be placed under the cap. The John Deere 624 loader was used the entire day to haul material from the Pentzer property to the UPRR cap area. The John Deere 700L dozer was used for half of the day to transfer materials stockpiled on the Pentzer property to the UPRR cap area to be placed under the cap.



7.0 PHOTO LOG



Photograph 1: John Deere 700L dozer utilized to transfer stockpiled excavated materials from the Pentzer property to the UPRR cap area to be placed under the cap.



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☉ 44°NE (T) ☉ 47.676633°N, 117.201872°W ±19ft ▲ 1981ft



Photograph 2: GrayMar utilizing the John Deere 700L dozer to expand the southern portion of Excavation 3 & 4.



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Photograph 3: Excavation around BPA infrastructure on the Pentzer property to a depth of 2-ft.



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☉ 331°NW (T) ☉ 47.676666°N, 117.200051°W ±29ft ▲ 1971ft



13 Mar 2023, 15:57:11

Photograph 4: CAT Dozer used to spread backfill materials on the WSDOT property.



Date: March 14, 2023	On-Site: 0530 PDT	Off-Site: 1700 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 28 °F / 46°F	Wind: South at 5 to 15 MPH
Cloud Cover: Mostly Sunny	Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Weight Ticket Verification
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
L. Cummings	BPA	Lineman
B. Kautzman	SES	Drone Pilot

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Conditions – Site conditions are still very saturated, soft, and slick. Avoid slopes and mind footing and watch out for signs of slope and excavation instability. Additionally, mind footing when climbing up and down from equipment. Mud will make ladder rungs slick.
 - Site Traffic – Quick turn-around time for backfill haul trucks means that traffic will be constant through the day. Be mindful of haul roads and be aware of surroundings.
- Work Activities
 - Due to haul truck traffic, Sullivan Road was cleaned using the smooth bucket of the front-end loader and with the skid steer equipped with the broom attachment.
 - GrayMar continued excavating around the BPA infrastructure to a depth on 2-ft with the oversight and assistance of BPA personnel on site. GrayMar used the CAS CX57C mini excavator to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area.
 - Excavated materials stockpiled within Excavation 3 that were generated during the expansion of Excavation 3 and Excavation 4 were transferred to the UPRR cap area for future placement using the LinkBelt trackhoe and the off-road haul truck. Two areas of visible dross were uncovered during the expansion of Excavation 3 yesterday. These areas were excavated using the LinkBelt trackhoe and transferred to the UPRR cap area by the off-road haul truck.
 - A section of the Pentzer property within the P1-45 sample quadrant was excavated an additional 2 feet in depth, from 2 feet to 4 feet due laboratory analytical results indicating that the sample taken in that area did not meet CUL goals. The LinkBelt trackhoe excavated the area and the excavated materials were transferred to the UPRR cap area by the off-road haul truck.
 - A section of the WSDOT property within the P1-11 sample quadrant was also excavated an additional 2 feet in depth, from 4 feet to 6 feet, due to laboratory analytical results indicating that the sample taken in that area did not meet CUL goals. The LinkBelt trackhoe excavated the area and the excavated materials were transferred to the UPRR cap area by the off-road haul truck.
 - Haul trucks continue to bring backfill to site and GrayMar continued placing backfill material on the WSDOT property. GrayMar placed backfill in a 1-ft loose lift with the CAT D6 dozer



and/or John Deere 700L dozer. Due to the saturated conditions, GrayMar did not compact the lift today. Backfill is being stockpiled on WSDOT property east of Excavation 4.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

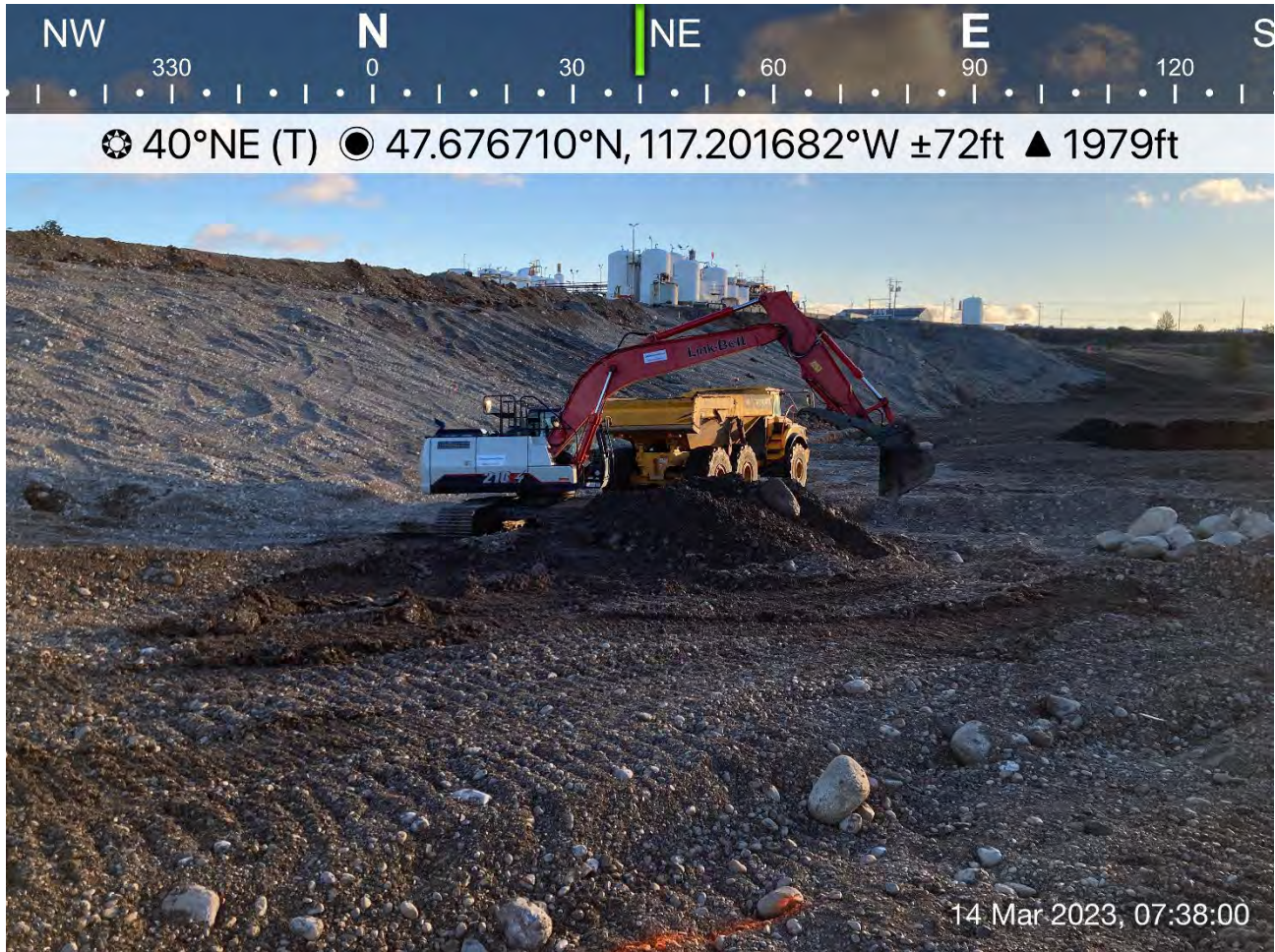
- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - Two samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-P1-11-031423
 - SO-2494-P1-45-031423
- Soil Sample Results
 - No sample were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 104
- Volume of backfill brought to site: 2,651.92 tons
- Backfill total to date: 20,786.96 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used the entire day, with excavated material to be placed under the cap. The John Deere 624 loader was used the entire day to haul material from the Pentzer property to the UPRR cap area. The LinkBelt Trackhoe and the off-road haul truck were used for the entire day to excavate and transfer materials to the UPRR cap area as well.



7.0 PHOTO LOG



Photograph 1: LinkBelt Trackhoe loads excavated material staged in Excavation 3 into the off-road haul truck for transfer to the UPRR cap area.



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☉ 258°W (T) ● 47.677216°N, 117.202441°W ±13ft ▲ 1998ft



Photograph 2: CAS CX57C mini excavator excavating area under BPA lines to a depth of 2 feet. The John Deere 624 loader was utilized to transfer the excavated materials to the UPRR cap area.



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☀ 97°E (T) ☉ 47.676768°N, 117.201813°W ±32ft ▲ 1985ft



Photograph 3: Areas of visual dross in Excavation 3 and Excavation 4 after excavation and protective boulder placement.



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☉ 122°SE (T) ● 47.677155°N, 117.199973°W ±13ft ▲ 1982ft



Photograph 4: Excavation of small area in WSDPT property sampling quadrant W1-11 from 4 to 6 feet in depth.



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☉ 271°W (T) ☉ 47.676749°N, 117.201797°W ±22ft ▲ 1980ft



Photograph 5: Excavation of small area in Pentzer property sampling quadrant P1-45 from 2 to 4 feet in depth.



Date: March 15, 2023	On-Site: 0530 PDT	Off-Site: 1820 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 28 °F / 47°F	Wind: West at 5 to 15 MPH
Cloud Cover: Mostly Sunny	Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Weight Ticket Verification
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
L. Cummings	BPA	Lineman

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)

2.0 ACTIVITIES:

■ Safety

- Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Site Conditions – While the site had dried a bit, frost in the mornings still make equipment ladder rungs slippery, and uneven footing throughout the site means that caution should be taken with regard to foot placement.
- Site Traffic – Backfill trucks, the Gray-Mar haul truck, and the off-road haul truck are constantly mobilizing around site, along with other equipment. Make sure to give a wide berth, and only approach equipment or vehicles after making eye contact with the operator.

■ Work Activities

- Sullivan Road continues to be cleaned using the skid steer equipped with the broom attachment.
- GrayMar continued excavating around the BPA infrastructure to a depth on 2-ft. Oversight was provided by BPA personnel on site while the excavator was directly underneath the lower lines and amongst the guy wires. Once the excavation expanded outside of that area, BPA no longer felt that direct oversight was necessary. The CAS CX57C mini excavator was used to excavate around BPA infrastructure and then used the John Deere 624 loader to haul material excavated to the UPRR cap area. Once the excavation boundary was worked past the BPA infrastructure, the LinkBelt trackhoe and the off-road haul truck were utilized to complete the excavation.
- Excavation 3 and Excavation 4 were expanded today along the north and east boundaries due to elevated XRF readings using the John Deere 700L dozer and the LinkBelt trackhoe. During the expansion of the southwest corner of Excavation 3, a large pocket of dross material was uncovered, extending into the existing haul road. The dross material was determined to be suitable for placement under the ecological and will be removed when an alternate route for the haul road is selected. Excavated materials from the expansion were transferred to the UPRR cap area using the Linkbelt trackhoe and the off-road haul truck.
- Haul trucks continue to bring backfill to site and GrayMar continued placing backfill material on the WSDOT property. GrayMar placed backfill in a 1-ft loose lift with the CAT D6 dozer and/or John Deere 700L dozer. GrayMar compacted the lifts placed earlier in the week and today using the DYNAPAC CA2500D roller. Backfill continues to be stockpiled on WSDOT property east of Excavation 4.



- Vegetative debris and topsoil staged near Excavation 2 were loaded out again today, using the mini excavator and GrayMar's haul truck. Due to the slow turnaround time, only a few loads are able to be removed each day.

3.0 PROBLEMS AND RESOLUTIONS:

- A large pocket of dross material was uncovered during the expansion of Excavation 3 today. Due to the proximity of the expansion to the main haul road up to the Pentzer property and the UPRR cap area, the expansion was stopped, and boulders spraypainted safety orange were placed around it. The material has enough cobbles and aggregate that it will be able to be placed under the ecological cap and/or placed on the UPRR slopes.
- There is concern that the backfill placed on WSDOT is already above final grade before any addition of topsoil. However, Mike Gipson assured that the backfill has not been graded to 6 inches below final grade due to the saturated conditions experienced earlier in the week, and that the compaction of the backfill material will bring the elevation of the backfill down.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - Six samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-P1-13-031523
 - SO-2494-P1-18-031523
 - SO-2494-P1-21-031523
 - SO-2494-P1-22-031523
 - SO-2494-P1-27-031523
 - SO-2494-P1-29-031523
- Soil Sample Results
 - No sample were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.



- Weigh Ticket Dross Hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 96
 - Volume of backfill brought to site: 2,398.13 tons
 - Backfill total to date: 23,185.09 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used a quarter day, with excavated material to be placed under the cap. The John Deere 624 loader was used for half of the day to haul material from the Pentzer property to the UPRR cap area. The LinkBelt Trackhoe was used for three-quarters of the day and the off-road haul truck was used for the entire day to excavate and transfer materials to the UPRR cap area as well.



7.0 PHOTO LOG



Photograph 1: John Deere 700L dozer expanding the east wall of Excavation 4 due to laboratory analysis results exceeding CULs.



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Photograph 2: Dross material found in the north and east sidewalls of the expansion of Excavation 3. Note the proximity of the excavation expansion to the main haul road as seen by the pick-up truck.



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Photograph 3: Excavation of Pentzer property with LinkBelt trackhoe. Excavated materials were transferred to the UPRR cap area by the off-road haul truck.



Date: March 16, 2023		On-Site: 0530 PDT	Off-Site: 1800 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project			
Location: Trentwood, WA		Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad		Contractor: GrayMar	

High/Low Temperature: 25 °F / 50°F	Wind: Northeast at 5 to 15 MPH
Cloud Cover: Mostly Sunny	Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Weight Ticket Verification
J. Fitzpatrick	PAI	Certified Archaeological Oversight
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Excavation Proximity – While excavations are taking place, do not get within the swing radius of the trackhoe or mini excavator. Additionally, make eye contact establish communication with operator before approaching equipment or the excavation.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
 - Site Conditions – Areas that have been disturbed due to excavation activities have divots, round rocks and boulders, and steep slopes. Be aware of footing and exercise caution whenever mobilizing around the site.
 - Site Traffic – There continues to be a considerable amount of truck traffic around the site. Make sure to give a wide berth, and only approach equipment or vehicles after making contact with the operator. Look both ways before crossing a haul road and avoid equipment blind spots.
- Work Activities
 - Backfill haul truck traffic continues to necessitate the need for Sullivan Road to be cleaned using the skid steer equipped with the broom attachment.
 - With the supervision of J. Fitzpatrick from PAI, GrayMar excavated the areas of the Washington State Parks and Recreation property that fell within the 2-foot excavation boundary. Using both the LinkBelt trackhoe and the mini excavator, GrayMar excavated the delineated areas on the Parks and Recreation property, periodically stopping if J. Fitzpatrick saw an object with potential archaeological significance. Additionally, a bucket of soil from the excavation would be placed to the side, and J. Fitzpatrick would use a screen to sample the soil. The southern portion and approximately half of the northern portion of the excavation area within the Parks and Rec property boundary was able to be excavated today. The off-road haul truck and the front-end loader were used to transfer excavated materials either to the UPRR cap area, or to the stockpile of vegetative material near Excavation 2, depending on the material being transported.
 - Haul trucks continued to bring backfill to site and GrayMar continued placing backfill material on the WSDOT property. GrayMar placed backfill in 1-ft loose lifts with the CAT D6 dozer and/or John Deere 700L dozer. GrayMar compacted the lifts using the DYNAPAC CA2500D roller. Backfill continues to be stockpiled on WSDOT property east of Excavation 4.



- Vegetative debris and topsoil staged near Excavation 2 were loaded out again today, using the mini excavator and GrayMar's haul truck. Due to the clearing and grubbing of the Parks and Recreation property, the pile of material needing to be excavated grew.

3.0 PROBLEMS AND RESOLUTIONS:

- While attempting to excavate a portion of the Parks and Recreation property with a steep grade, an improperly installed fuel cap on the front-end loader leaked approximately 1 to 2 gallons of diesel fuel on the access road along the western portion of the site. The faulty piece of equipment immediately vacated the area, and the faulty fuel cap was reinstalled correctly. The diesel that spilled pooled in 2 locations. Oil dry and absorbent pads were deployed in the affected areas, and the impacted soils were excavated down to a depth of approximately 1 foot. The excavated soils were drummed for future off-site disposal, and the remaining portion of the road where diesel possibly dripped from the machine was scraped with the blade of the mini excavator.

4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - Four samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-BG5-031623
 - SO-2494-BG6-031623
 - SO-2494-BG7-031623
 - SO-2494-PRSL-01-031623
- Soil Sample Results
 - No sample were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
- Weigh ticket dross hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Total vegetation haul for the day: 2 loads



- Weight ticket vegetation hauling: 30.52 tons
 - Total vegetation hauled to date: 167.75 tons
 - Time moving boulders: 1 hour(s)
 - Loads of backfill brought to site: 103
 - Volume of backfill brought to site: 2,398.13 tons
 - Backfill total to date: 25,823.79 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAS CX57C mini excavator was used one-quarter of the day, with excavated material to be placed under the cap. The LinkBelt Trackhoe was used the entire day and the off-road haul truck was used for the three-quarters day to excavate and transfer materials to the UPRR cap area as well. The CAT D6 dozer was used for one-quarter of the day to spread materials in the UPRR cap area.



7.0 PHOTO LOG

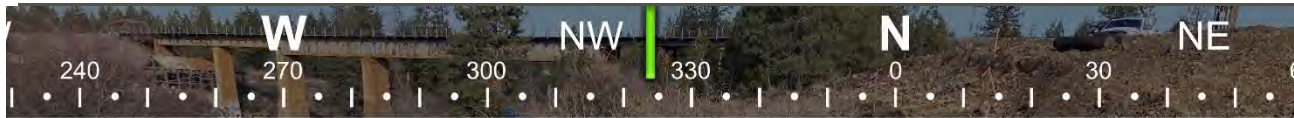


Photograph 1: LinkBelt trackhoe excavating the southern lobe of the 2-foot excavation area that falls onto Washington State Parks and Recreation property. The off-road haul truck transferred the excavated materials to the UPRR cap area for future placement and compaction.



GOLDER
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DAILY FIELD REPORT # 112



☀ 324°NW (T) ☉ 47.676678°N, 117.202749°W ±22ft ▲ 1979ft



Photograph 2: J. Fitzpatrick of PAI using a screen to analyze soil removed from the southern lobe of the 2-foot excavation area that falls onto Washington State Parks and Recreation property.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 112



☀ 353°N (T) ☉ 47.676768°N, 117.201987°W ±32ft ▲ 1981ft



Photograph 3: Mini Excavator used to load the GrayMar haul truck with vegetative materials to be loaded out and disposed off site.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 112



☉ 235°SW (T) ☉ 47.677237°N, 117.203497°W ±16ft ▲ 1980ft



Photograph 4: Mini Excavator excavating the northern lobe of the 2-foot excavation area that falls onto Washington State Parks and Recreation property. The front-end loader transferred the excavated materials to the UPRR cap area for future placement and compaction.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 112



☉ 309°NW (T) ● 47.677154°N, 117.203501°W ±36ft ▲ 1976ft



16 Mar 2023, 11:27:26

Photograph 5: Diesel fuel spilled by in incorrectly installed fuel cap on the front-end loader on the railroad access road west of the site.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 112



☉ 33°NE (T) ● 47.676636°N, 117.200603°W ±98ft ▲ 1972ft



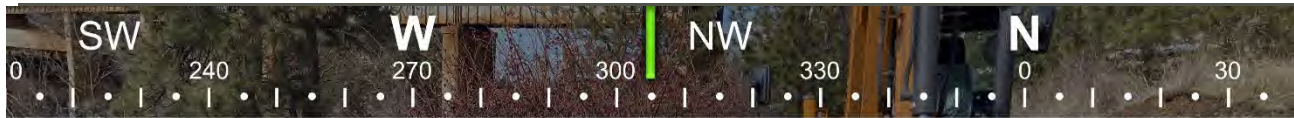
16 Mar 2023, 11:38:52

Photograph 6: DYNAPAC CA2500D Roller utilized to compact backfill on WSDOT property.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 112



☀ 305°NW (T) ● 47.677116°N, 117.203550°W ±13ft ▲ 1969ft



Photograph 7: Mini Excavator used to excavate the diesel-impacted soil. The excavated soil was drummed and staged for future off-site disposal.



Date: March 17, 2023	On-Site: 0530 PDT	Off-Site: 1715 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 32 °F / 53°F	Wind: East at 5 to 20 MPH
Cloud Cover: Mostly Sunny	Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
J. Fitzpatrick	PAI	Certified Archaeological Oversight
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger



- Track-out Mat (x3)

2.0 ACTIVITIES:

■ Safety

- Excavation Proximity – While excavations are taking place, do not get within the swing radius of the trackhoe or mini excavator. Additionally, make eye contact establish communication with operator before approaching equipment or the excavation.
- Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Site Conditions – Areas that have been disturbed due to excavation activities have divots, round rocks and boulders, and steep slopes. Be aware of footing and exercise caution whenever mobilizing around the site.
- New Personnel – There will be personnel onsite that are new to site. Take the time to familiarize the hazards of the site. Be vigilant of mobile equipment.

■ Work Activities

- With the supervision of J. Fitzpatrick from PAI, GrayMar continued to excavate the areas of the Washington State Parks and Recreation property that fell within the 2-foot excavation boundary. Using both the LinkBelt trackhoe, GrayMar excavated the delineated areas on the Parks and Recreation property, periodically stopping if J. Fitzpatrick saw an object with potential archaeological significance. The remainder of the northern portion of the excavation area within the Parks and Rec property boundary was able to be excavated today. The off-road haul truck was used to transfer excavated materials either to the UPRR cap area, or to the stockpile of vegetative material near Excavation 2, depending on the material being transported.
- The front-end loader, the DYNAPAC CA2500D roller and the CAT D6 dozer were utilized to fill in a small depression in the southern portion of the WSDOT property with backfill material. The backfill material was transported by the front-end loader, spread by the CAT D6 dozer in 2, 1-foot lifts, and compacted using the roller.
- A small patch of soil along the railroad access road, west of the site, still appeared to be impacted with diesel. The mini excavator was utilized to remove the impacted soil, and the soil was placed in a drum for future off-site disposal.
- The southwest corner of Excavation 3, where dross impacted material was encountered earlier this week, was expanded today. The north and east sidewalls of the expansion excavation continue to contain dross impacted material. Additionally, there is dross impacted material in the eastern half of the south sidewall. There is visible dross material down to at least 6 feet in depth. The depth of this expansion will be limited by the 6-foot



human health depth requirement, but the lateral expansion will be determined by visual inspection and laboratory analytical results. This expansion of Excavation 3 expanded into the haul road used to access the Pentzer property and the UPRR cap area. As such, GrayMar re-routed the haul road through Excavation 3 and Excavation 4. This expansion of Excavation 3 was completed using the LinkBelt trackhoe and the off-road haul truck. Excavated materials were transferred to the UPRR cap area for future placement and compaction.

- The John Deere 700L dozer was utilized to mix excavated materials on the boundary of the Pentzer property and UPRR cap area to create a more homogenous mixture of excavated materials prior to placement and compaction.
- GrayMar deployed the SANY SMG 200 C-8 Motor Grader upon delivery to grade the southern and eastern portions of the WSDOT property that has already been backfilled.
- Vegetative debris and topsoil staged near Excavation 2 were loaded out again today, using the mini excavator and GrayMar's haul truck. Due to the clearing and grubbing of the Parks and Recreation property, the pile of material needing to be excavated has grown.
- GrayMar had Johnson Surveying onsite today to stake grade and slope measurements.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- A potential safety hazard occurred today. While excavating the northern portion of the Washington State Parks and Recreation site, the LinkBelt trackhoe encountered a boulder. While moving the boulder, the boulder dropped approximately 1 foot onto another boulder. The boulder that was dropped split, causing rock fragments as large as 1 inch to be thrown approximately 25 feet. There were no personnel in the area as this was still near the swing radius of the trackhoe. However, additional space was placed between personnel and the trackhoe following this incident.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all readings, all samples within limits.
- Soil Sampling
 - 13 samples were collected for laboratory analysis today:
 - SO-2494-EX-3-10S-4.0-031723
 - SO-2494-EX-3-11S-4.0-031723
 - SO-2494-EX-3-12B-4.0-031723



- SO-2494-EX-3-13S-4.0-031723
- SO-2494-EX-4-13S-4.0-031723
- SO-2494-EX-4-14S-4.0-031723
- SO-2494-EX-4-15S-4.0-031723
- SO-2494-EX-4-16S-4.0-031723
- SO-2494-EX-4-17S-4.0-031723
- SO-2494-EX-4-18B-4.0-031723
- SO-2494-EX-4-19S-4.0-031723
- SO-2494-PRNL-01-031723
- SO-2494-PRNL-02-031723

- 18 samples were submitted for laboratory analysis today:
 - SO-2494-EX-3-10S-4.0-031723
 - SO-2494-EX-3-11S-4.0-031723
 - SO-2494-EX-3-12B-4.0-031723
 - SO-2494-EX-3-13S-4.0-031723
 - SO-2494-EX-4-13S-4.0-031723
 - SO-2494-EX-4-14S-4.0-031723
 - SO-2494-EX-4-15S-4.0-031723
 - SO-2494-EX-4-16S-4.0-031723
 - SO-2494-EX-4-17S-4.0-031723
 - SO-2494-EX-4-18B-4.0-031723
 - SO-2494-EX-4-19S-4.0-031723
 - SO-2494-PRNL-01-031723
 - SO-2494-PRNL-02-031723
 - SO-2494-PRSL-01-031623
 - SO-2494-P1-13-031523
 - SO-2494-P1-27-031523
 - SO-2494-P1-45-031423
 - SO-2494-W1-11-031423

■ Soil Sample Results



- No sample were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 1 load(s)
 - Weight ticket vegetation hauling: 18.63 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 1 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 25,823.79 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt Trackhoe and the off-road haul truck were used for three-quarters of the day to excavate and transfer materials to the UPRR cap area as well. The John Deere dozer was used for one-half of the day to mix materials in the UPRR cap area.



7.0 PHOTO LOG

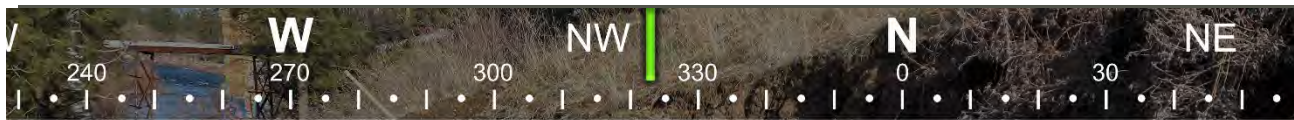


Photograph 1: Small patch of diesel impacted soil on the railroad access road that was missed from yesterday's, 03/16/23, diesel spill. The mini excavator and hand tools were utilized to excavate and remove the impacted soil. The soil was drummed and staged for future off-site disposal.



GOLDER
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DAILY FIELD REPORT # 113



☀ 323°NW (T) ● 47.677194°N, 117.203561°W ±19ft ▲ 1976ft



Photograph 2: Broken boulder that caused rock fragments to be sent airborne. A wider berth around the LinkBelt trackhoe was provided after this potential safety hazard occurred.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 113



☉ 294°NW (T) ☉ 47.676564°N, 117.201460°W ±104ft ▲ 1974ft



Photograph 3: LinkBelt trackhoe and off-road haul truck expanding the southwest corner of Excavation 3 into the previous haul road. Note: Large boulders painted safety orange were placed in the former haul road and around the excavation itself to prevent entrance to the excavation.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 113



☉ 13°N (T) ● 0.000000°N, 0.000000°E ▲ 0ft



Photograph 4: John Deere 700L dozer mixing excavated materials along the Pentzer property and UPRR cap area boundary.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 113



☉ 168°S (T) ● 47.677450°N, 117.200188°W ±13ft ▲ 1999ft



Photograph 5: SANY SMG 200 C-8 Motor Grader utilized to grade the southern and eastern portions of the WSDOT property that has already been backfilled.



Date: March 20, 2023	On-Site: 0530 PDT	Off-Site: 1755 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 37 °F / 51°F		Wind: Southeast at 5 to 10 MPH
Cloud Cover: Mostly Cloudy		Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Open Excavations – There are currently open excavations with steep sidewalls. Stay away from open excavations and look for signs of slope instability along edges such as sloughing and crack development.
- Proximity to Railroad – Stay 25 ft away from the edge of rail with the maximum reach of the equipment being used, such as the arm and bucket fully extended on the mini excavator.
- Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.

■ Work Activities

The front-end loader, the DYNAPAC CA2500D roller, the CAT D6 dozer, and the SANY SMG 200 C-8 Motor Grader were utilized to grade and compact the southern and eastern portions of the WSDOT property that has already been backfilled.

- The southwest corner of Excavation 3, where dross impacted material has been encountered, was expanded again today. All sidewalls of the expansion excavation continue to contain dross impacted material. There is visible dross impacted material down to at least 6 feet in depth. The depth of this expansion will be limited by the 6-foot human health depth requirement, but the lateral expansion will be determined by visual inspection and laboratory analytical results. This expansion of Excavation 3 was completed using the LinkBelt trackhoe and the off-road haul truck. Excavated materials were transferred to the UPRR cap area for future placement and compaction. Large boulders painted safety orange were placed around the edge of the excavation to prevent vehicle entry into the excavation.
- The railroad drainage ditch north of the UPRR cap area parallel to the railroad tracks was graded today using the mini excavator, John Deere 700L dozer and the skidsteer with the bucket attachment. Dross material was removed from the ditch and replaced with excavated materials.
- Excavated materials staged on the Pentzer property were transferred to the UPRR cap area using the LinkBelt trackhoe and the off-road haul truck. Materials were placed in individual piles in the southeast portion of the UPRR cap area for future spreading and compaction.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.



5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - 2 samples were collected for XRF analysis today:
 - SO-2494-P1-01-032023
 - SO-2494-P1-28-032023
- Soil Sample Results
 - Laboratory analysis results for 18 samples were received today:
 - SO-2494-EX-3-10S-4.0-031723
 - SO-2494-EX-3-11S-4.0-031723
 - SO-2494-EX-3-12B-4.0-031723
 - SO-2494-EX-3-13S-4.0-031723
 - SO-2494-EX-4-13S-4.0-031723
 - SO-2494-EX-4-14S-4.0-031723
 - SO-2494-EX-4-15S-4.0-031723
 - SO-2494-EX-4-16S-4.0-031723
 - SO-2494-EX-4-17S-4.0-031723
 - SO-2494-EX-4-18B-4.0-031723
 - SO-2494-EX-4-19S-4.0-031723
 - SO-2494-PRNL-01-031723
 - SO-2494-PRNL-02-031723
 - SO-2494-PRSL-01-031623
 - SO-2494-P1-13-031523
 - SO-2494-P1-27-031523
 - SO-2494-P1-45-031423
 - SO-2494-W1-11-031423

The SO-2494-PR**- samples produced results that generally meet CULs and do not require any additional excavation. SO-2494-P1-13-**, SO-2494-P1-27-** and SO-2494-W1-11** samples produced results the do not require any further excavation. SO-2494-P1-45-** was collected at



4.0 feet and had arsenic reported at 17.0 mg/kg and an additional 2 feet of excavation will be conducted in that area. The SO-2494-EX-4.0_** samples produces results that drive further excavation to depth of 6 feet and laterally, due to the predominance of results that exceed one or more COCs often at concentrations greater than 2X.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 1 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 25,823.79 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt Trackhoe and the off-road haul truck were used for the whole day to excavate and transfer materials to the UPRR cap area.



7.0 PHOTO LOG

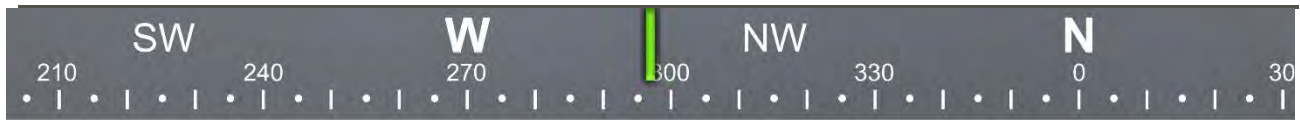


Photograph 1: LinkBelt trackhoe expanding the northwestern corner of the Excavation 3 expansion into the previous haul road.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 114



☉ 297°NW (T) ☉ 47.676889°N, 117.198995°W ±269ft ▲ 2001ft



Photograph 2: CAT D6 dozer grading the areas of the WSDOT property that have already been backfilled.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 114



☉ 341°N (T) ● 47.677043°N, 117.202341°W ±45ft ▲ 1995ft



Photograph 3: Transfer of stockpiled excavated materials located on the Pentzer property to the UPRR cap area using the LinkBelt trackhoe and the off-road haul truck.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 114



☉ 68°E (T) ● 47.676686°N, 117.200995°W ±39ft ▲ 1972ft



Photograph4: Grading of backfilled portions of the WSDOT property using the front-end loader and the SANY SMG 200 C-8 Motor Grader.



Date: March 21, 2023	On-Site: 0530 PDT	Off-Site: 1850 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 31 °F / 56°F		Wind: Northeast 5 to 20 MPH
Cloud Cover: Mostly Cloudy to Mostly Sunny		Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Track-out Mat (x3)



2.0 ACTIVITIES:

■ Safety

- Open Excavations – There are open excavations with steep sidewalls. These excavations are marked with reflective “candle sticks” or with boulders painted safety orange. Stay away from open excavations and look for signs of slope instability along edges such as sloughing and crack development.
- Proximity to Railroad – Work will continue to be adjacent to the railroad on the northern border of the site. Stay 25 ft away from the edge of rail with the maximum reach of the equipment being used, such as the arm and bucket fully extended on the mini excavator.
- Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.

■ Work Activities

The front-end loader, the DYNAPAC CA2500D roller, the John Deere 700L dozer, and the SANY SMG 200 C-8 Motor Grader continue to be utilized to grade and compact the southern and eastern portions of the WSDOT property that has already been backfilled.

- Excavations 3 and 4 were expanded northward and southward today due to laboratory analysis results indicating that areas sampled were above CULs. The southern sidewalls were expanded southward using the LinkBelt trackhoe, and the materials were transferred to either UPRR cap area or the UPRR slope by the off-road haul truck. The north sidewalls of Excavation 3 and 4 were expanded using the LinkBelt trackhoe and the CAT D6 dozer. The displaced materials were pushed northward and spread on the UPRR slope.
- The UPRR slope was graded and sloped using the CAT D6 dozer. Extra material needed to meet grade on the slope was dumped by the off-road haul truck from excavations taking place on the WSDOT property, or from pushing material directly from the WSDOT property onto the slope using the CAT D6 dozer.
- The railroad drainage ditch north of the UPRR cap area parallel to the railroad tracks continued to be graded today using the mini excavator and the skidsteer with the bucket attachment. Dross material was removed from the ditch and replaced with excavated materials.
- Stockpiled backfill materials staged in a pile east of Excavation 4 were transferred to the Excavation 1 on the Pentzer property using the LinkBelt trackhoe and the off-road haul truck. Materials were placed in individual piles in the northwest portion of the UPRR cap area for future spreading and compaction.
- The geotextile fabric underlying the track-out mats on the north haul road exiting the site was replaced using the LinkBelt trackhoe and the front-end loader. The rip-rap sized rock used in-tandem with the track-out mats to create the track-out pad was also smoothed and reworked.



3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - 11 soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-EX-3-14B-6.0-032123
 - SO-2494-EX-3-15B-6.0-032123
 - SO-2494-EX-3-16B-6.0-032123
 - SO-2494-EX-3-17B-4.0-032123
 - SO-2494-EX-3-18B-4.0-032123
 - SO-2494-EX-3-19S-4.0-032123
 - SO-2494-EX-3-20S-4.0-032123
 - SO-2494-EX-3-21S-4.0-032123
 - SO-2494-EX-3-22S-4.0-032123
 - SO-2494-EX-4-20S-4.0-032123
 - SO-2494-EX-4-21B-4.0-032123
- Soil Sample Results
 - No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
- Weigh ticket dross hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Total vegetation haul for the day: 0 load(s)
- Weight ticket vegetation hauling: 0 tons

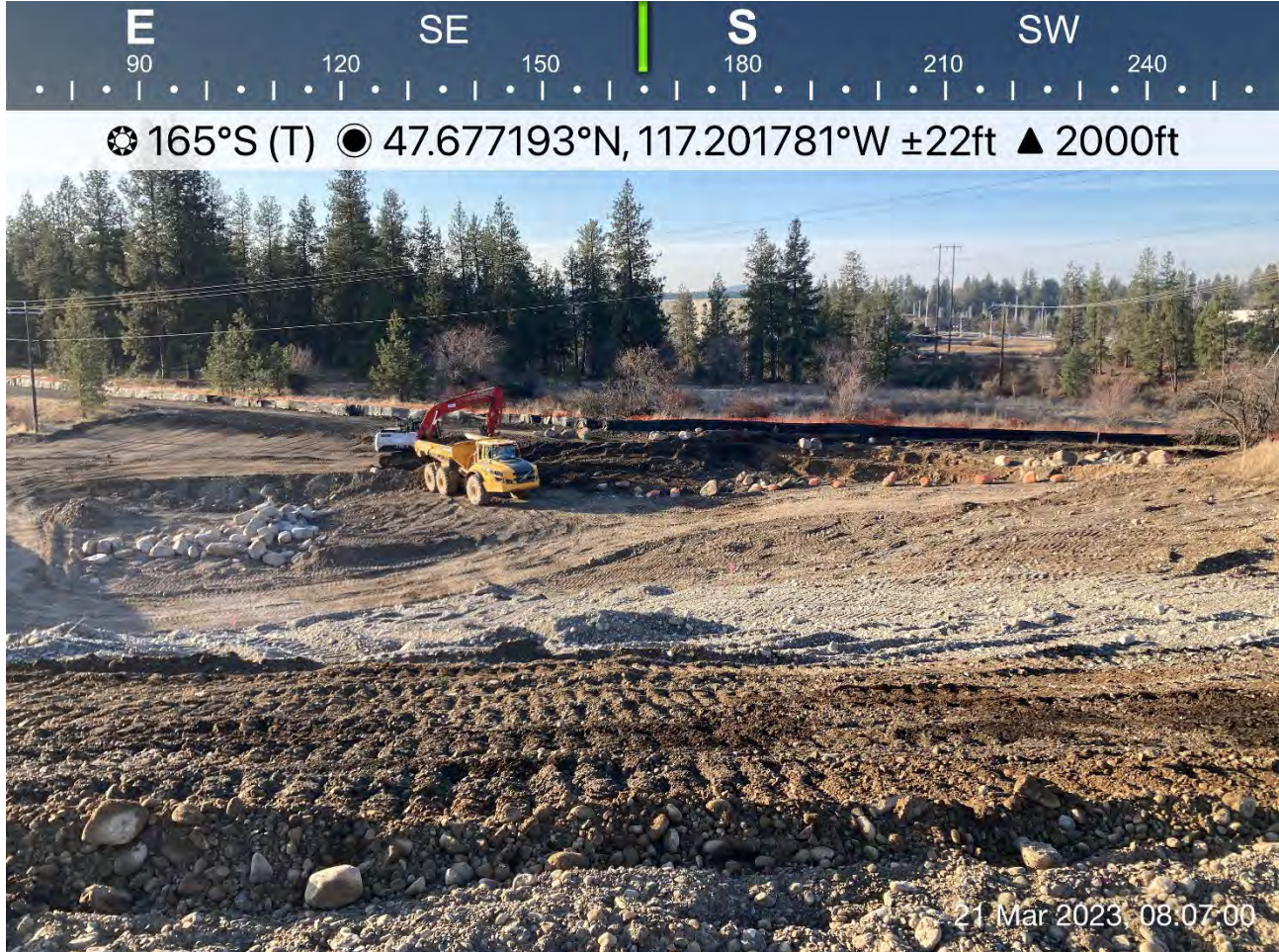


- Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 25,823.79 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer was used all day to spread and grade materials in the UPRR cap area and on the UPRR slope. The LinkBelt trackhoe and the off-road haul truck were used for half of the day to excavate and transfer materials to the UPRR cap area and the UPRR slope.

7.0 PHOTO LOG



Photograph 1: LinkBelt trackhoe expanding the northwestern corner of the Excavation 3 expansion into the previous haul road.



Photograph 2: LinkBelt trackhoe and off-road haul truck expanding the south sidewall of Excavation 3. Excavated materials were transferred to the UPRR cap area by the off-road haul truck.



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DAILY FIELD REPORT # 115



☉ 78°E (T) ● 47.676830°N, 117.201569°W ±32ft ▲ 1976ft



Photograph 3: CAT D6 dozer and the LinkBelt trackhoe expanding the north sidewalls of Excavation 3 and Excavation 4. The displaced materials were pushed northward onto the UPRR slope.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 115



☀ 76°E (T) 🌐 47.676575°N, 117.201479°W ±259ft ▲ 1947ft



Photograph 4: Transfer of stockpiled backfill materials located east of Excavation 4 on the WSDOT property to Excavation 1 on the Pentzer property using the LinkBelt trackhoe and the off-road haul truck.



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DAILY FIELD REPORT # 115



☉ 79°E (T) ☉ 47.676670°N, 117.199970°W ±29ft ▲ 1971ft



Photograph 5: Grading backfill dumped in an area of the WSDOT property that was not excavated. Four off-road haul truck loads were dumped and spread in this area.



Date: March 22, 2023	On-Site: 0530 PDT	Off-Site: 1905 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 26 °F / 58°F	Wind: Northeast 5 to 10 MPH
Cloud Cover: Mostly Sunny	Precipitation: 0.0 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
S. Treccani	Ecology	Senior Hydrogeologist
M. Gipson	GrayMar	Project Manager
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Water Truck
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Footing – The footing around most of the site consists of loose, rocky soil on a slope. Be aware of foot placement, avoid steep slopes.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - The front-end loader transferred the stockpile of vegetative material staged near Excavation 2 to an area near the northeastern portion of the Pentzer property, separate from the excavated materials piles. The vegetative material is staged for future loadout and off-site disposal.
 - The front-end loader, the DYNAPAC CA2500D roller, the John Deere 700L dozer, and the SANY SMG 200 C-8 Motor Grader continue to be utilized to grade and compact the portions of the WSDOT property that have already been backfilled.
 - The LinkBelt trackhoe and the off-road haul truck transferred stockpiled backfill materials and dumped the materials in Excavation 3 and Excavation 4. The backfill materials were spread using the John Deere 700L dozer and the CAT D6 dozer. Due to the large boulders in the bottoms of these excavations, the backfill material is not able to be placed and compacted in 1-foot lifts until the boulders are completely covered in backfill material. Once above the large boulders, the backfill was compacted using the DYNAPAC CA2500D roller.
 - The CAT D6 dozer spread backfill materials in Excavation one that were previously dumped.
 - The south sidewall of Excavation 4 was expanded southward today, completing the current expansion of the excavation, using the LinkBelt trackhoe. The excavated materials were transferred to the UPRR cap area by the off-road haul truck.
 - A small section of the P1-45 sampling quadrant on the Pentzer property was excavated to increase the depth from 4 feet to 6 feet. This was completed due to laboratory analysis results indicating parameters did not meet CULs. The LinkBelt trackhoe was utilized to excavate the materials and the off-road haul truck transferred the materials to the UPRR cap area.
 - The UPRR cap area was graded using the CAT D6 dozer and the SANY SMG 200 C-8 Motor Grader.



3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - 5 soil samples were collected for XRF and/or laboratory analysis today:
 - SO-2494-EX-3-23S-5.0-032223
 - SO-2494-EX-3-24B-6.0-032223
 - SO-2494-EX-3-25B-4.0-032223
 - SO-2494-EX-4-22S-4.0-032223
 - SO-2494-P1-45-032223
 - 15 soil samples were submitted for laboratory analysis today:
 - SO-2494-EX-3-14B-6.0-032123
 - SO-2494-EX-3-15B-6.0-032123
 - SO-2494-EX-3-16B-6.0-032123
 - SO-2494-EX-3-17B-4.0-032123
 - SO-2494-EX-3-18B-4.0-032123
 - SO-2494-EX-3-19S-4.0-032123
 - SO-2494-EX-3-20S-4.0-032123
 - SO-2494-EX-3-21S-4.0-032123
 - SO-2494-EX-3-22S-4.0-032123
 - SO-2494-EX-3-23S-5.0-032223
 - SO-2494-EX-3-24B-6.0-032223
 - SO-2494-EX-3-25B-4.0-032223
 - SO-2494-EX-4-21B-4.0-032123
 - SO-2494-EX-4-22S-4.0-032223



- SO-2494-P1-45-032223

- Soil Sample Results

- No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 1 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 25,823.79 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer, the John Deere 700L dozer, the SMG 200 C-8 Motor Grader, The LinkBelt trackhoe and the off-road haul truck were all used for one-quarter of the day to excavate, transfer and spread excavated materials on the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Front-end loader transferring vegetative materials stockpiled near Excavation 2 to an area in the northeast portion of the Pentzer property.



GOLDER
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DAILY FIELD REPORT # 116



☀ 26°NE (T) ● 47.677204°N, 117.201765°W ±13ft ▲ 1999ft

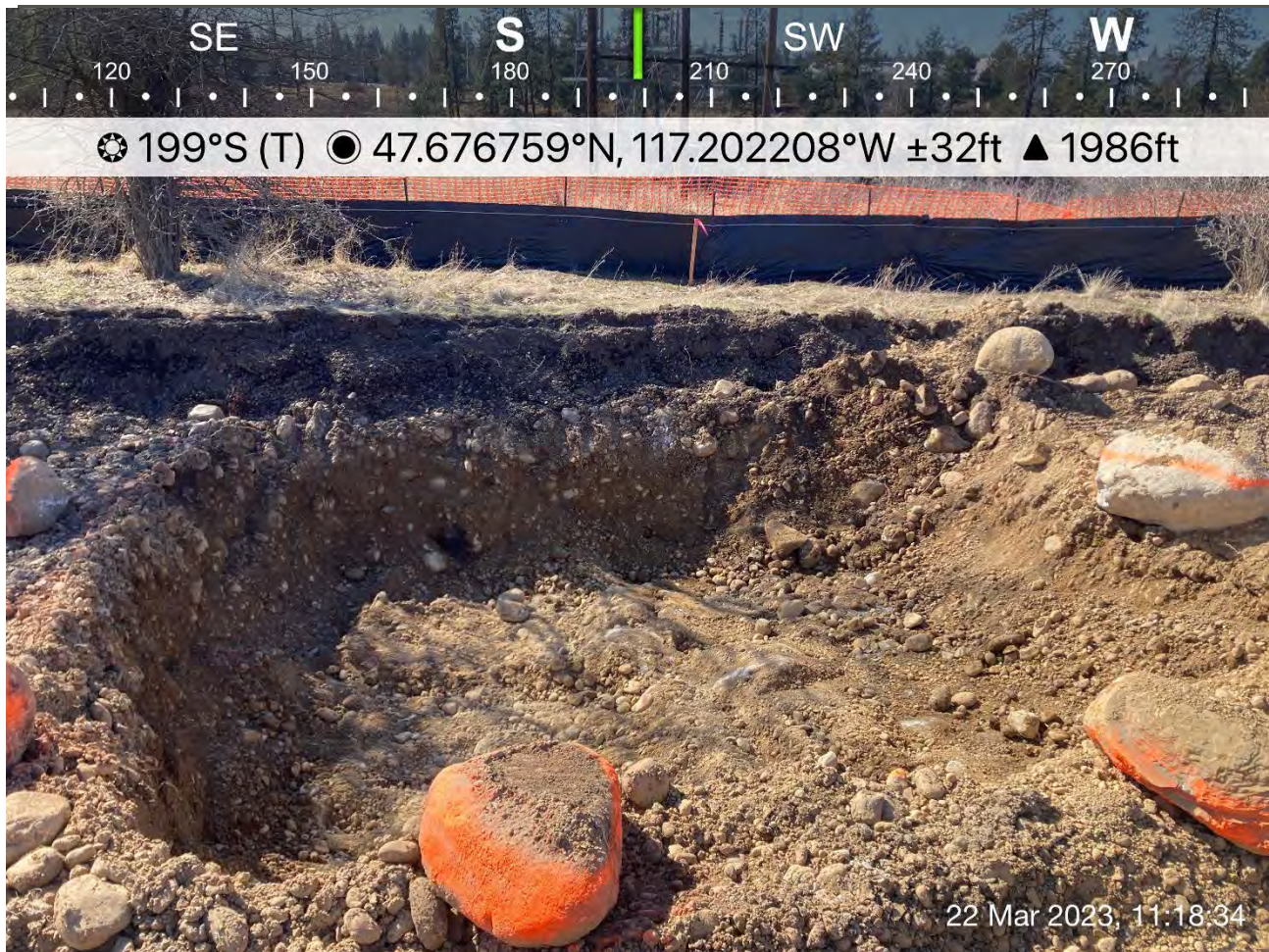


Photograph 2: SANY SMG 200 C-8 Motor Grader grading excavated materials in the UPRR cap area.



GOLDER
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DAILY FIELD REPORT # 116



Photograph 3: Excavated area of P1-45 sample quadrant on the Pentzer property down to a depth of 6 feet.



GOLDER
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DAILY FIELD REPORT # 116



☉ 284°W (T) ☉ 47.677390°N, 117.202659°W ±16ft ▲ 1999ft



22 Mar 2023, 11:50:27

Photograph 4: CAT D6 dozer spreading and grading backfill dumped in Excavation 1 on the Pentzer property.



GOLDER
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DAILY FIELD REPORT # 116



☉ 92°E (T) ● 47.676745°N, 117.202040°W ±13ft ▲ 1986ft



Photograph 5: LinkBelt Trackhoe and the off-road haul truck transferring backfill from the stockpile to Excavation 4.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 116



☉ 308°NW (T) ☉ 0.000000°N, 0.000000°E ▲ 0ft



Photograph 6: DYNAPAC CA2500D roller compacting backfill material within Excavation 3 on the WSDOT property.



Date: March 23, 2023	On-Site: 0540 PDT	Off-Site: 1720 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 33 °F / 51°F	Wind: South 5 to 30 MPH
Cloud Cover: Overcast	Precipitation: 0.04 IN Rain

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Water Truck
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Traffic – Equipment traffic is increased due to backfill delivery trucks. Avoid haul roads, be cautious, and do not approach equipment unless contact is made with the operator.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - Backfill deliveries continued today. Delivery trucks were weighed at the Kemira scale, and a Kemira employee signed the recorded weights. The backfill material was dumped at the existing backfill stockpile location east of Excavation 4 on WSDOT property. Then, the either the CAT D6 dozer or the John Deere 700L dozer pushed the backfill materials up the existing backfill stockpile.
 - The DYNAPAC CA2500D roller, the John Deere 700L dozer, and the SANY SMG 200 C-8 Motor Grader were utilized to grade and compact the portions of the WSDOT property that have already been backfilled.
 - The Mini excavator was utilized to clear and grub portions of Excavation 2 that had not been previously, around the Avista and Inland power poles. The removed vegetative material was transferred to the vegetative material stockpile located in the northeast section of the Pentzer property by the front-end loader. The vegetative material is staged for future loadout and off-site disposal.
 - The LinkBelt trackhoe, the CAT D6 dozer, and the off-road haul truck were utilized to excavate the eastern portion of Excavation 2. The excavation is limited by the Inland and Avista power poles. Boundaries were established with painted lines such that the Avista power pole, and its guy wire, will have no excavation within a 10-foot radius, and the Inland power pole will have only 2 feet of soil removed within a 10-foot radius. All other boundaries of the excavation will be maintained. The excavated materials were transferred to the UPRR slope using the off-road haul truck and staged for future spreading and compaction.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.



5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - No soil samples were collected today:
- Soil Sample Results
 - No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 1 hour(s)
 - Loads of backfill brought to site: 87
 - Volume of backfill brought to site: 2023.20 tons
 - Backfill total to date: 27,846.99 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer, the John Deere 700L dozer, the SMG 200 C-8 Motor Grader, the LinkBelt trackhoe and the off-road haul truck were all used for one-quarter of the day to excavate, transfer and spread excavated materials on the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Water truck spraying haul route used by backfill haul trucks for dust suppression due to dry site conditions.



GOLDER
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DAILY FIELD REPORT # 117



☉ 279°W (T) ☉ 47.676668°N, 117.200264°W ±13ft ▲ 1970ft



23 Mar 2023, 10:58:12

Photograph 2: CAT D6 dozer uses to push backfill material delivered to site.



GOLDER
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DAILY FIELD REPORT # 117



Photograph 3: Mini excavator used to clear the vegetation around the Inland and Avista power poles located near and within the eastern portion of Excavation 2.



GOLDER
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DAILY FIELD REPORT # 117



☉ 318°NW (T) ☉ 47.676971°N, 117.202072°W ±13ft ▲ 1991ft



Photograph 4: CAT D6 dozer, LinkBelt trackhoe, and off-road haul truck used to begin excavation of eastern portion of Excavation 2.

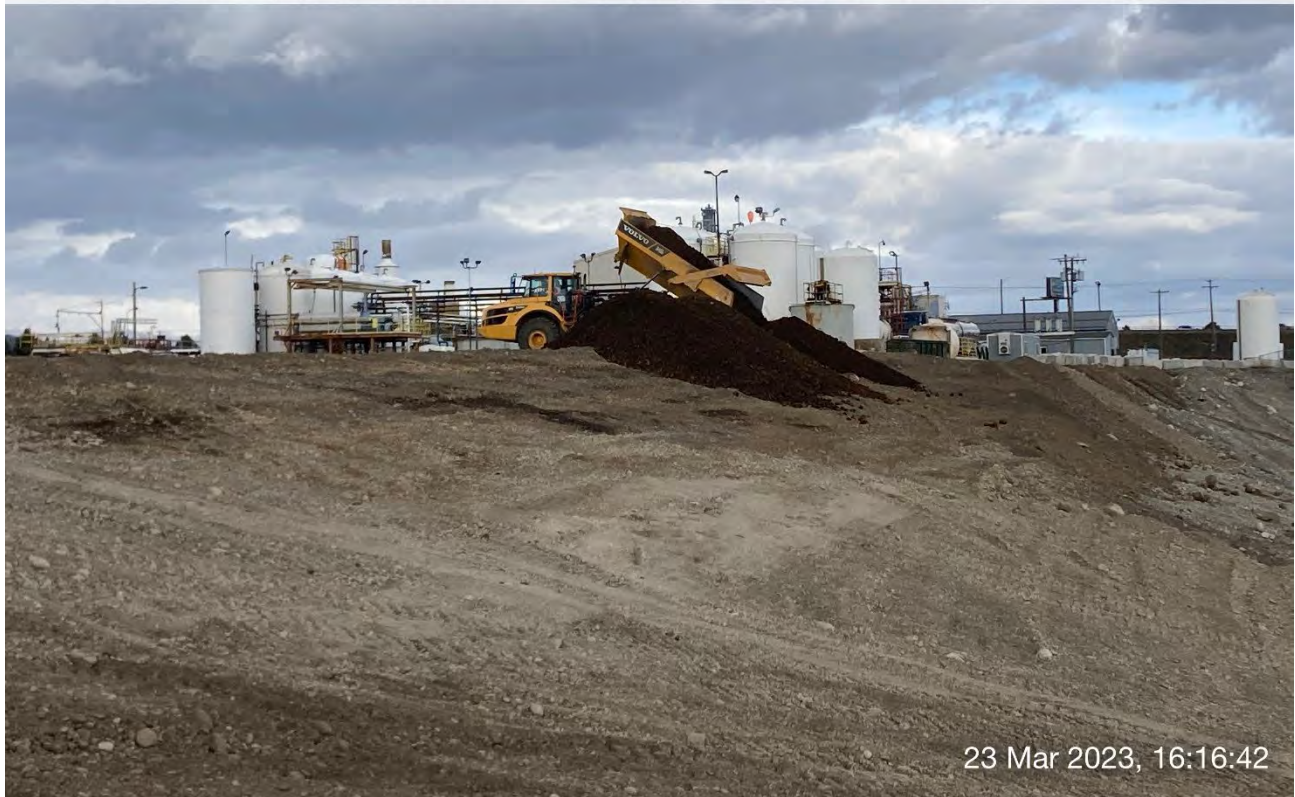


GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 117



☉ 56°NE (T) ● 47.676980°N, 117.202044°W ±82ft ▲ 1992ft



23 Mar 2023, 16:16:42

Photograph 5: Off-road haul truck dumping excavated materials from Excavation 2 directly onto the UPRR slope.



Date: March 24, 2023	On-Site: 0540 PDT	Off-Site: 1705 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 31 °F / 47°F		Wind: Southwest 5 to 25 MPH
Cloud Cover: Overcast		Precipitation: 0.00 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Water Truck
- Service Truck
- Flatbed Trailer
- GrayMar Haul Truck with Pup
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Conditions – The site has excavation areas and uncompacted backfill areas with loose rocks and boulders,
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - Backfill deliveries continued today. Delivery trucks were weighed at the Kemira scale, and a Kemira employee signed the recorded weights. The backfill material was dumped at the existing backfill stockpile location east of Excavation 4 on WSDOT property. Then, the either the CAT D6 dozer or the John Deer 700L dozer pushed the backfill materials up the existing backfill stockpile.
 - The front-end loader was utilized to scrape up large rocks that were graded out of the backfill in the portions of WSDOT property that have already been backfilled.
 - The LinkBelt trackhoe, the CAT D6 dozer, and John Deere 700L dozer were utilized to finish excavating the eastern portion of Excavation 2. The excavation is limited by the Inland and Avista power poles. The excavated materials were transferred to the existing stockpile of excavated materials located on the Pentzer property.
 - Backfill activities within Excavation 3 and Excavation 4 continued today, with the CAT D6 dozer, LinkBelt trackhoe, and the off-road haul truck utilized. Backfill was transferred to Excavations 3 and 4 using the LinkBelt trackhoe and the off-road haul truck from the stockpile of excavated materials east of Excavation 4. The CAT D6 bulldozer was utilized to spread the backfill materials.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling



- 6 soil samples were collected for laboratory analysis today:
 - SO-2494-EX-2-11S-4.0-032423
 - SO-2494-EX-2-12B-4.5-032423
 - SO-2494-EX-2-13S-4.0-032423
 - SO-2494-FD-11-032423 (Duplicate of SO-2494-EX-2-13S-4.0-032423)
 - SO-2494-EX-2-14S-4.0-032423
 - SO-2494-EX-2-15B-4.0-032423

- 7 samples were submitted for laboratory analysis today:
 - SO-2494-EX-2-11S-4.0-032423
 - SO-2494-EX-2-12B-4.5-032423
 - SO-2494-EX-2-13S-4.0-032423
 - SO-2494-FD-11-032423 (Duplicate of SO-2494-EX-2-13S-4.0-032423)
 - SO-2494-EX-2-14S-4.0-032423
 - SO-2494-EX-2-15B-4.0-032423
 - RB-2494-9-032423

■ **Soil Sample Results**

- Laboratory analysis results were received for 15 samples today:
 - SO-2494-EX-3-14B-6.0-032123
 - SO-2494-EX-3-15B-6.0-032123
 - SO-2494-EX-3-16B-6.0-032123
 - SO-2494-EX-3-17B-4.0-032123
 - SO-2494-EX-3-18B-4.0-032123
 - SO-2494-EX-3-19S-4.0-032123
 - SO-2494-EX-3-20S-4.0-032123
 - SO-2494-EX-3-21S-4.0-032123
 - SO-2494-EX-3-22S-4.0-032123
 - SO-2494-EX-3-23S-5.0-032223
 - SO-2494-EX-3-24B-6.0-032223
 - SO-2494-EX-3-25B-4.0-032223
 - SO-2494-EX-4-21B-4.0-032123



- SO-2494-EX-4-22S-4.0-032223
- SO-2494-P1-45-032223

Only results sample SO-2494-EX-3-19S-4.0-032123 required additional excavation due concentrations greater than their respective CULs and mercury at more than twice its CUL.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 34
 - Volume of backfill brought to site: 804.39 tons
 - Backfill total to date: 28,651.38 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer, the John Deere 700L dozer, and the LinkBelt trackhoe were all used for half of the day to excavate and transfer excavated materials to the excavated materials stockpile for future spreading on the UPRR cap area and/or the UPRR slope.



7.0 PHOTO LOG



Photograph 1: LinkBelt trackhoe, CAT D6 dozer, and John Deere 700L dozer utilized to excavate the remaining portion of Excavation 2.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 118



☉ 91°E (T) ● 47.677192°N, 117.202084°W ±482ft ▲ 1943ft



Photograph 2: On-road haul truck delivering backfill material to site, and LinkBelt trackhoe loading Off-road haul truck with backfill material for placement on Excavation 3 and Excavation 4 areas of the WSDOT property.



Date: March 27, 2023	On-Site: 0535 PDT	Off-Site: 1840 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 29 °F / 49°F		Wind: South 5 to 10 MPH
Cloud Cover: Mostly Cloudy		Precipitation: 0.00 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpton	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- SANY SMG 200 C-8 Motor Grader
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Site Conditions – The site has excavation areas and uncompacted backfill areas with loose rocks and boulders, watch footing and chose travel routes carefully.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - A portion of the southern sidewall of Excavation 3 was excavated due to laboratory analysis results indicating that a sample taken from that area did not meet CULs. The area was excavated to a depth of 6 feet and re-sampled. A similar excavation occurred on the Pentzer property in sampling cell P1-34. The central area of the cell was excavated to a depth of 6 feet, and the bottom of the excavation was re-sampled. The areas were excavated using the LinkBelt trackhoe and the excavated materials were transferred to the UPRR slope by the off-road haul truck.
 - Excavated materials staged on the Pentzer property were transferred to the UPRR cap area and the UPRR slope using the LinkBelt excavator, the off-road haul truck, and the John Deere 700L dozer. The CAT D6 dozer was utilized to spread the excavated materials on the UPRR slope and in the UPRR cap area. The DYNAPAC CA2500D roller was utilized to compact the spread and graded excavated materials in the UPRR cap area. To aid in compaction efforts, the water truck was utilized to spray the cap area with water.
 - Backfill activities within Excavation 3 and Excavation 4 continued today, with the CAT D6 dozer, the John Deere 700L dozer, the LinkBelt trackhoe, and the off-road haul truck being utilized. Backfill was transferred to Excavations 3 and 4 using the LinkBelt trackhoe and the off-road haul truck from the stockpile of excavated materials east of Excavation 4. The CAT D6 dozer and the John Deere 700L dozer were utilized to spread the backfill materials.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling



- 3 soil samples were collected for laboratory analysis today:
 - SO-2494-P1-34-032723
 - SO-2494-EX-3-26B-6.0-032723
 - SO-2494-FD-12-032723 (Duplicate of SO-2494-EX-3-26B-6.0-032723)
- 4 samples were submitted for laboratory analysis today:
 - SO-2494-P1-34-032723
 - SO-2494-EX-3-26B-6.0-032723
 - SO-2494-FD-12-032723 (Duplicate of SO-2494-EX-3-26B-6.0-032723)
 - RB-2494-10-032423

■ Soil Sample Results

- No laboratory analysis results were received for today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
- Weigh ticket dross hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Total vegetation haul for the day: 0 load(s)
- Weight ticket vegetation hauling: 0 tons
- Total vegetation hauled to date: 186.38 tons
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 28,651.38 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer, the John Deere 700L dozer, the off-road haul truck and the LinkBelt trackhoe were all used for three-quarters of the day to excavate, transfer, and spread excavated materials on the UPRR cap area and/or the UPRR slope. The DYNAPAC CA2500D roller was utilized for half of the day to compact materials on the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: LinkBelt trackhoe excavating a portion of the southern sidewall of Excavation 3 where laboratory analysis indicated that a sample did not meet CULs.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 119



☀ 313°NW (T) ☉ 47.677284°N, 117.201847°W ±13ft ▲ 2007ft



Photograph 2: LinkBelt trackhoe loading the off-road haul truck with excavated materials to be dumped on the UPRR slope. The John Deere 700L dozer pushed excavated material toward the LinkBelt trackhoe to aid in the transfer efforts.



GOLDER
MEMBER OF WSP

DAILY FIELD REPORT # 119



☉ 253°W (T) ● 47.677519°N, 117.200016°W ±393ft ▲ 1937ft



Photograph 3: CAT D6 dozer grading excavated materials dumped on the UPRR slope.



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☉ 77°E (T) ☉ 47.676697°N, 117.201787°W ±183ft ▲ 1930ft



27 Mar 2023, 17:51:12

Photograph 4: LinkBelt trackhoe and off-road haul truck transferring stockpiled backfill materials to Excavation 3 and Excavation 4. CAT D6 dozer and John Deere 700L dozer spreading backfill materials in Excavation 4.



Date: March 28, 2023	On-Site: 0520 PDT	Off-Site: 1820 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	
High/Low Temperature: 36 °F / 54°F	Wind: East, 5 to 15 MPH with 25 MPH gusts	
Cloud Cover: Mostly Cloudy	Precipitation: 0.00 IN	

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Motor Grader SANY SMG 200 C-8
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor
- Track-out Mat (x3)



2.0 ACTIVITIES:

- Safety
 - Mobile Equipment – There are many pieces of mobile equipment around the site. Be cautious when approaching equipment, and only enter close proximity when clear communication has been established with the operator.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - Excavated materials staged on the Pentzer property were transferred to the UPRR cap area using front-end loader. The John Deere 700L dozer was utilized to spread the excavated materials on the UPRR cap area to fill in low areas. The SANY SMG 200 C-8 Motor Grader smoothed and graded the UPRR cap area as well.
 - Backfill activities continued today on the WSDOT property. Backfill has also now been placed on the Pentzer property, primarily in the western portion of Excavation 2. Backfill material was transferred using the LinkBelt trackhoe and the off-road haul truck from the stockpile of excavated materials east of Excavation 4 to the areas being backfilled. The CAT D6 dozer was utilized to spread the backfill materials. Once the backfill material was spread in an approximately 1-foot-thick lift, the DYNAPAC CA2500D roller was utilized to compact the material. To aid in compaction efforts and to suppress fugitive dust, the water truck sprayed water in the backfill areas, as well as the areas where equipment was mobilizing.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - No soil samples were collected today.
- Soil Sample Results
 - Laboratory analysis results were received for 7 samples today:



- SO-2494-EX-2-11S-4.0-032423
- SO-2494-EX-2-12B-4.5-032423
- SO-2494-EX-2-13S-4.0-032423
- SO-2494-FD-11-032423 (Duplicate of SO-2494-EX-2-13S-4.0-032423)
- SO-2494-EX-2-14S-4.0-032423
- SO-2494-EX-2-15B-4.0-032423
- RB-2494-9-032423

Samples SO-2494-EX-2-12B-4.5-032423 had SO-2494-EX-2-14S-4.0-032423 concentration of COC that require addition excavation on the east wall of Excavation 2

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 28,651.38 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The John Deere 700L dozer and the front-end loader were used all day to transfer and spread excavated materials on the UPRR cap area. The SANY SMG 200 C-8 Motor Grader was utilized for one-quarter of the day to grade materials on the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Front-end loader transferring excavated materials from the stockpile located on the Pentzer property to the UPRR cap area.



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☉ 33°NE (T) ☉ 47.677375°N, 117.201215°W ±13ft ▲ 1999ft



Photograph 2: John Deere 700L dozer spreading excavated materials on top of the UPRR cap area to fill in areas below grade.



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DAILY FIELD REPORT # 120



☉ 107°E (T) ● 47.676697°N, 117.202051°W ±13ft ▲ 1952ft

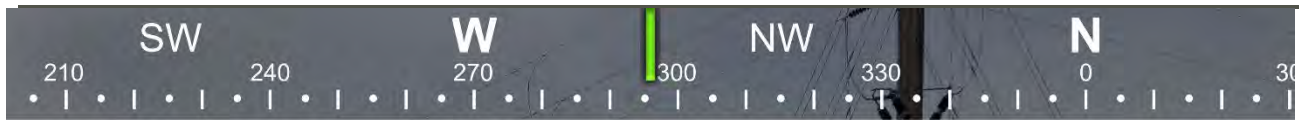


Photograph 3: CAT D6 dozer spreading backfill materials dumped near the property boundary of WSDOT and Pentzer.



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DAILY FIELD REPORT # 120



☉ 296°NW (T) ● 47.676997°N, 117.202364°W ±32ft ▲ 1991ft



Photograph 4: DYNAPAC CA2500D roller compacting backfill materials placed in the western portion of Excavation 2 on the Pentzer property.



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DAILY FIELD REPORT # 120



☉ 19°N (T) ☉ 47.676680°N, 117.201177°W ±22ft ▲ 1951ft



28 Mar 2023, 16:19:14

Photograph 5: LinkBelt trackhoe loading backfill materials from the backfill material stockpile located east of Excavation 4 on the WSDOT property into the off-road haul truck for transport.



Date: March 29, 2023	On-Site: 0520 PDT	Off-Site: 1830 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 37 °F / 55°F	Wind: Northeast, 5 to 15 MPH with 20 MPH gusts
Cloud Cover: Mostly Sunny	Precipitation: 0.00 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Motor Grader SANY SMG 200 C-8
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor

- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Conditions – In area that have not received backfill and in backfilled areas that have not been compacted, the soil is loose and full of rounded rocks and boulders. Be aware of footing, plan travel routes to provide safest route, and be cautious.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - The CAT D6 dozer was utilized to grade the southern portion of the railroad ditch along the northern edge of the UPRR cap area. If extra excavated material was needed to meet the grade of the ditch, the front-end loader was utilized to procure the excavated materials from the excavated materials stockpile located on the eastern portion of the Pentzer property. The CAT 259D skid steer with the compactor attachment was utilized to smooth and compact the railroad ditch following grading.
 - The SANY SMG 200 C-8 Motor Grader smoothed and graded the UPRR cap area, after which the DYNAPAC CA2500D roller compacted the materials. The CAT D6 dozer graded a small portion of the UPRR slope. The water truck was utilized to spray the UPRR cap area and the UPRR slope.
 - Both the Pentzer and WSDOT properties received backfill today. Backfill material was transferred using the LinkBelt trackhoe and the off-road haul truck from the stockpile of excavated materials east of Excavation 4 to the areas being backfilled. The John Deere 700L dozer moved stockpile materials towards the LinkBelt trackhoe to aid in the materials transfer. The primary areas to receive backfill were the western portion of Excavation 2, all of Excavation 3 and the western portion of Excavation 4. The CAT D6 dozer was utilized to spread the backfill materials. Once the backfill material was spread in an approximately 1-foot-thick lift, the DYNAPAC CA2500D roller was utilized to compact the material. To aid in compaction efforts and to suppress fugitive dust, the water truck sprayed water in the backfill areas, as well as the areas where equipment was mobilizing.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred today.



5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - No soil samples were collected today.
- Soil Sample Results
 - No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 28,651.38 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The CAT D6 dozer, the front-end loader, the SANY SMG 200 C-8 Motor Grader, CAT 259D skid steer with compactor attachment, and the DYNAPAC CA2500D roller were utilized for one-quarter of the day to transfer, grade, and compact excavated materials on the UPRR cap area and/or on the UPRR slope.



7.0 PHOTO LOG



Photograph 1: Front-end loader transferring excavated materials from the stockpile located on the Pentzer property to the UPRR cap area.



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Photograph 2: CAT D6 dozer grading the railroad ditch north of the UPRR cap area. The front-end loader provided excavated materials from the stockpile located on the Pentzer property to fill in areas of the railroad ditch.



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Photograph 3: CAT D6 dozer spreading backfill materials on the Pentzer property near the western portion of Excavation 2.



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Photograph 4: LinkBelt trackhoe removing boulders from area needed to be excavated in the northeast portion of Excavation 2.



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Photograph 5: CAT 259D compacting the graded portions of the railroad ditch north of the UPRR cap area with the compactor attachment.



S

Date: March 30, 2023	On-Site: 0520 PDT	Off-Site: 1830 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 36 °F / 53°F	Wind: Southwest 5 to 10 MPH
Cloud Cover: Mostly Cloudy	Precipitation: 0.00 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
T. Norton	Golder	Construction Observation/Sampling & Analysis
S. Treccani	Ecology	Hydrogeological Inspection
J. Schmidt	Ecology	Construction/Structural Inspection
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Motor Grader SANY SMG 200 C-8
- Water Truck
- Service Truck
- Flatbed Trailer



- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor
- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Conditions – There will be new personnel onsite that have either not been to site before or have not visited the site recently. As such, time should be taken to familiarize the hazards of the site. Other site personnel should take extra caution when mobilizing equipment and performing work activities.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - The CAT D6 dozer, the LinkBelt trackhoe, and the off-road haul truck were utilized to transfer excess backfill materials graded out of the WSDOT property onto the Pentzer property. The primary areas to receive backfill were Excavation 1 and Excavation 2. Once all the excess material was transferred to the Pentzer property, the CAT D6 dozer was utilized to spread the backfill material. Then, the backfill material was spread in an approximately 1-foot-thick lifts. When a lift was completed, the DYNAPAC CA2500D roller compacted the material. To aid in compaction efforts and to suppress fugitive dust, the water truck sprayed water in the backfill areas, as well as the areas where equipment was mobilizing multiple times throughout the day. The DYNAPAC CA2500D roller also compacted the newly graded areas of the WSDOT property.
 - The John Deere 700L bulldozer was utilized to move the vegetative materials stockpiled on the Pentzer property east in order to make room for the area of Excavation 2 that will need to be expanded due to laboratory analysis results indicating one or more COC exceedances greater than twice CULs.
 - The front-end loader filled in low spots of the UPRR cap area with excavated materials.
 - The City of Spokane Valley was on site today. The two city workers, equipped with a large pick-up truck and a wheeled backhoe removed two of the ecology blocks staged at the southern portion of the WSDOT property work area. The workers claimed that 20 of the ecology blocks on site belong to the City of Spokane Valley.
 - The Washington State Department of Ecology was also on site today. S. Treccani and J. Schmidt walked around site with T. Norton, M. Gipson and A. Chesney in order to inspect site progress and projected finished site conditions. Highlights from the conversation were as follows:

- The berm surrounding the UPRR cap area is allowed to be constructed utilizing off-property excavated materials.
- The stormwater runoff funneled along the ecology blocks bordering the southern portion of the Kemira facility may need to be infiltrated using a standard 208B swale. Ecology will reach out with clarifications.
- The potential for pulling back the cap west boundary area eastward was discussed to utilize more off-property excavated materials on the UPRR slope.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- GrayMar started to conduct additional work in the railroad ditch bordering the northern portion of the UPRR cap area today using the mini-excavator. Due to the existing grade of the ditch, the mini-excavator was positioned in the middle of the ditch in order to conduct the task. This created a situation where the reach of the mini-excavator had the potential to foul the adjacent side-track. The Golder CM raised concern over this issue with the GrayMar PM. GrayMar responded by removing the mini-excavator from the ditch and abandoned for the task for day, thereby eliminating the potential for fouling the tracks. Methods for completing this task will be re-evaluated.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
 - Collected all reads, all samples within limits.
- Soil Sampling
 - No soil samples were collected today.
- Soil Sample Results
 - Laboratory analysis results were received for 4 samples today:
 - SO-2494-P1-34-032723
 - SO-2494-EX-3-26B-6.0-032723
 - SO-2494-FD-12-032723
 - RB-2494-10-032723

Results for sample SO-2494-P1-34-032723 did not exceed CULs. Results for 6-foot deep sample SO-2494-EX-26B-6.0-032723 and duplicate sample SO-2494-FD-12-032723 exceeded Site CULs by less than 2X and did not exceed human health criteria human health. No additional excavation is required.



6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
 - Weigh ticket dross hauling: 0 tons
 - Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
 - Total vegetation haul for the day: 0 load(s)
 - Weight ticket vegetation hauling: 0 tons
 - Total vegetation hauled to date: 186.38 tons
 - Time moving boulders: 0 hour(s)
 - Loads of backfill brought to site: 0
 - Volume of backfill brought to site: 0 tons
 - Backfill total to date: 28,651.38 tons
-
- Former UPRR Dross Stockpile Area Materials Transfer: The front-end loader was utilized for one-quarter of the day to transfer excavated materials to the UPRR cap area.



7.0 PHOTO LOG



Photograph 1: Off-road haul truck dumping backfill materials graded out of the WSDOT property into Excavation 1 of the Pentzer property.



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Photograph 2: Front-end loader filling in low areas of the UPRR cap area with excavated materials.



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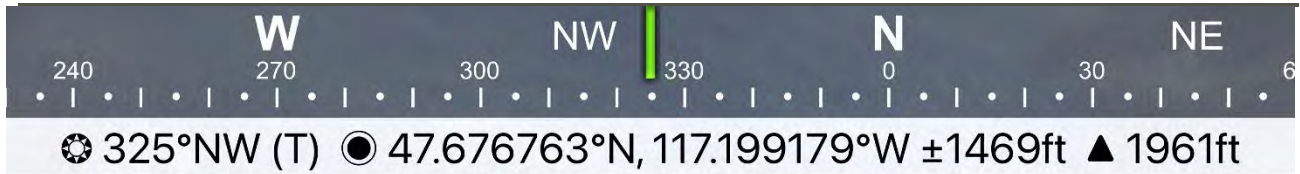


Photograph 3: CAT D6 dozer grading backfill materials on the WSDOT property, LinkBelt trackhoe and off-road haul truck transferring excess backfill material to the Pentzer property.



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30 Mar 2023, 11:56:24

Photograph 4: Water truck spraying water on the WSDOT property.



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Photograph 5: CAT D6 dozer spreading backfill material in Excavation 1 on the Pentzer property. DYNAPAC CA2500D roller compacting materials already spread within the same location.



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Photograph 6: LinkBelt trackhoe and CAT D6 dozer placing and spreading backfill materials on the Pentzer property near Excavation 2.



S

Date: March 31, 2023	On-Site: 0520 PDT	Off-Site: 1640 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 38 °F / 48°F	Wind: Southwest 10 to 20 MPH
Cloud Cover: Mostly Cloudy	Precipitation: 0.00 IN

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Motor Grader SANY SMG 200 C-8
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor

- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety
 - Site Traffic – Backfill deliveries will continue today, meaning increased equipment traffic around the site. Avoid walking on haul roads, make eye contact with operator before approaching equipment and trucks, be cautious of body placement in reference to equipment blind spots.
 - Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.
- Work Activities
 - Interstate trucking delivered backfill materials today, from sampled backfill source #3. The trucks dumped backfill near and in Excavation 1 on the Pentzer property. The backfill material was spread around the Pentzer property using the CAT D6 dozer. Once the backfill material was spread in an approximately 1-foot-thick lifts, the DYNAPAC CA2500D roller compacted the material. Approximately 5 loads of backfill material were also dumped, spread, and compacted on the WSDOT property today.
 - The LinkBelt Trackhoe and the John Deere 700L dozer were utilized to excavate the northeast portion of the eastern sidewall of Excavation 2. This area received laboratory analysis results indicating that the soils sampled were two times CULs for multiple parameters. As such, the area with elevated CULs was removed with the LinkBelt trackhoe, and the excavated materials were pushed to the excavated materials stockpile on the Pentzer property using the John Deere 700L dozer.
 - A section of the large, rip-rap sized rock used to construct part of the track out pad was removed today. The rock was removed using the LinkBelt trackhoe, and the rock was transferred to the UPRR slope using the off-road haul truck. The track out pad will be backfilled using the materials that were originally removed during its construction.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Soil Sampling
 - 5 soil samples were collected for XRF and/or laboratory analysis today:



- SO-2494-EX-2-16B-6.0-033123
- SO-2494-FD-13-033123 (Field Duplicate of SO-2494-EX-2-16B-6.0-033123)
- SO-2494-EX-2-17S-4.0-033123
- SO-2494-EX-2-18B-6.0-033123
- SO-2494-EX-2-18B-MS/MSD
- 7 samples were submitted for laboratory analysis today:
 - SO-2494-EX-2-16B-6.0-033123
 - SO-2494-FD-13-033123 (Field Duplicate of SO-2494-EX-2-16B-6.0-033123)
 - SO-2494-EX-2-17S-4.0-033123
 - SO-2494-EX-2-18B-6.0-033123
 - SO-2494-EX-2-18B-MS/MSD
 - RB-2494-11-033123
 - SO-2494-EX-3-06B-MS/MSD

■ Soil Sample Results

- No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
- Weigh ticket dross hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Total vegetation haul for the day: 0 load(s)
- Weight ticket vegetation hauling: 0 tons
- Total vegetation hauled to date: 186.38 tons
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: Not Provided
- Volume of backfill brought to site: 1,543.69 tons
- Backfill total to date: 30,195.07 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt trackhoe and the off-road haul truck were utilized for half of the day to transfer excavated materials to the UPRR slope.



7.0 PHOTO LOG

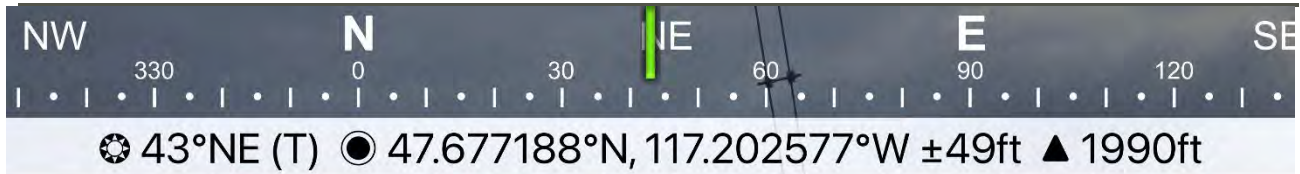


Photograph 1: CAT D6 dozer spreading backfill on the Pentzer property.



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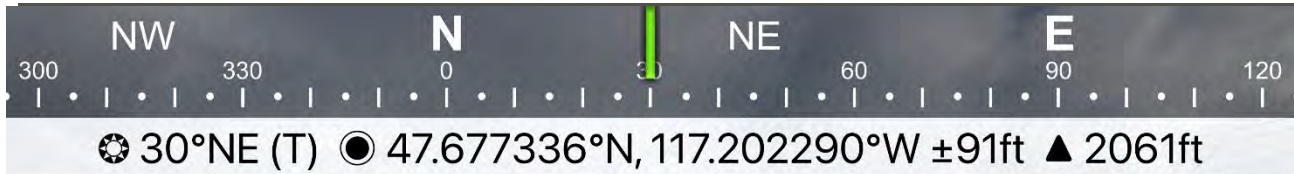


Photograph 2: LinkBelt trackhoe expanding area of Excavation 2 where laboratory analysis results indicated that multiple parameters exceeded two times CULs for one or more COCs.



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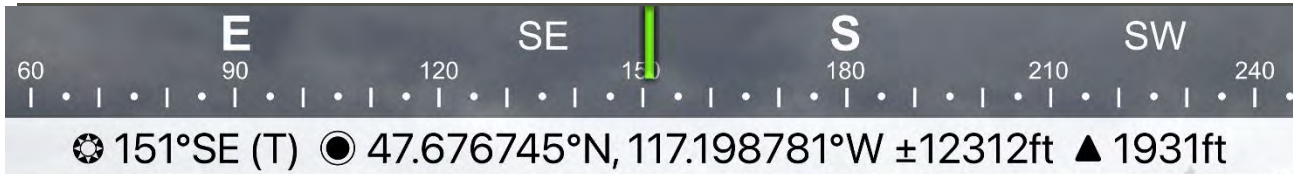


Photograph 3: John Deere 700L dozer pushing excavated materials from the expansion of Excavation 2 into the existing stockpile of excavated materials on the eastern portion of the Pentzer property.



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Photograph 4: LinkBelt trackhoe loading rip-rap material from the track-out pad into the off-road haul truck.



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Photograph 5: Off-road haul truck dumping rip-rap material removed from the trackout pad onto the UPRR slope.



S

Date: April 03, 2023	On-Site: 0520 PDT	Off-Site: 1830 PDT
Project: Aluminum Recycling Trentwood – Dross Removal Project		
Location: Trentwood, WA	Job No.: GLUPRR_2.022	
Client: Union Pacific Railroad	Contractor: GrayMar	

High/Low Temperature: 30 °F / 48°F	Wind: Southwest 5 to 10 MPH
Cloud Cover: Mostly Cloudy	Precipitation: 0.10 IN Snow and Rain Mix

Personnel On Site /Company	Company	Responsibility
A. Chesney	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Laborer
M. Privett	GrayMar	Laborer
W. Scott	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
J. Grigg	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

1.0 EQUIPMENT ON SITE:

- Trackhoe LinkBelt 210x4
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Motor Grader SANY SMG 200 C-8
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Skid Steer CAT 259D w/compactor



- Track-out Mat (x3)

2.0 ACTIVITIES:

- Safety

- Site Traffic – There will be haul trucks delivering backfill materials and topsoil today. Avoid walking on haul roads, make eye contact with operator before approaching equipment and trucks, be cautious of body placement in reference to equipment blind spots.
- Standard PPE – Hardhats, steel-toed boots, safety glasses, and high visibility vest are required when on site and not inside a vehicle or equipment.

- Work Activities

- Interstate trucking delivered backfill materials today, from sampled backfill source #3. The trucks dumped backfill on the Pentzer property. The backfill material was spread around the Pentzer property using the CAT D6 dozer, the front-end loader, and the Case TR270B skid-steer. Once the backfill material was spread in an approximately 1-foot-thick lifts, the DYNAPAC CA2500D roller and/or the CAT 259D skid steer with compactor attachment compacted the material.
- Topsoil was also delivered to site today by CAD trucking. The topsoil was stockpiled on the WSDOT property south of Excavation 8. The John Deere 700L dozer was utilized to manipulate the stockpile.
- The remaining portion of the large, rip-rap sized rock used to construct part of the track out pad was removed today. The rock was removed using the LinkBelt trackhoe, and the rock was transferred to the UPRR slope using the off-road haul truck. The majority of track out pad was backfilled using the materials that were originally removed during its construction. However, some backfill material was used as well. Once the area was completely backfilled, the DYNAPAC CA2500D roller was used to compact the backfill.
- The ecology blocks around the site were marked with spray paint today. The color code for the blocks is as follows:
 - Green = Suitable for use in the Ecology Block Wall along the Kemira facility. There are 34 ecology blocks marked with green spray paint.
 - Red = Not suitable for use in the Ecology Block Wall along the Kemira facility. There are 28 ecology blocks marked with red spray paint.
 - Yellow = Property of the City of Spokane Valley. There are 10 ecology blocks marked with yellow spray paint.
- The transfer of the excavated materials stockpile on the Pentzer property resumed today. The LinkBelt trackhoe loaded materials into the off-road haul truck, and the materials were dumped on the western edge of the UPRR cap area for future spreading. The John Deere

700L was utilized to push the materials towards the LinkBelt trackhoe to facilitate the transfer.

3.0 PROBLEMS AND RESOLUTIONS:

- No problems were encountered today.

4.0 SUMMARY OF H&S ISSUES

- No health and safety issues were encountered today.

5.0 SAMPLING & ANALYSIS ACTIVITIES

- Soil Sampling
 - 2 soil sample were collected and submitted for laboratory analysis today:
 - BF3-2494-06-040323
 - BF3-2494-06-040323-MS/MSD
- Soil Sample Results
 - No laboratory analysis results were received today.

6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads
- Weigh ticket dross hauling: 0 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)
- Total vegetation haul for the day: 0 load(s)
- Weight ticket vegetation hauling: 0 tons
- Total vegetation hauled to date: 186.38 tons
- Time moving boulders: 0 hour(s)
- Loads of backfill brought to site: 72
- Volume of backfill brought to site: 1648.28 tons
- Backfill total to date: 31,843.35 tons
- Former UPRR Dross Stockpile Area Materials Transfer: The LinkBelt trackhoe and the off-road haul truck were utilized for half of the day to transfer excavated materials to the UPRR slope.



7.0 PHOTO LOG



Photograph 1: CAT D6 dozer spreading backfill on the Pentzer property.



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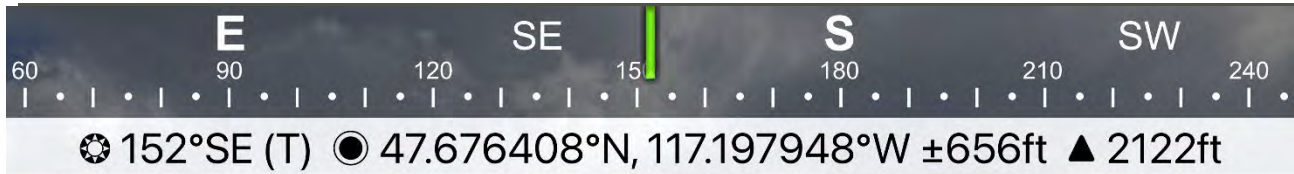


Photograph 2: John Deere 700L dozer pushing excavated materials from the expansion of Excavation 2 into the existing stockpile of excavated materials on the eastern portion of the Pentzer property.



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Photograph 3: LinkBelt trackhoe loading rip-rap material from the track-out pad into the off-road haul truck.



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S 180 SW 210 240 W 270 NW 300 330

☉ 259°W (T) ☉ 47.677246°N, 117.200920°W ±16420ft ▲ 2152ft



Photograph 4: Off-road haul truck dumping rip-rap material removed from the trackout pad onto the UPRR slope.



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Photograph 5: Compacting backfill in the area of Excavations 1 and 2 and 2-foot excavation on Pentzer property.