

**APPENDIX B**

**Daily Field Reports**



<b>Date:</b> October 3, 2022		<b>On-Site:</b> 0800 PDT	<b>Off-Site:</b> 1630 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Spokane Valley, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 80 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> Clear	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Ted Norton/WSP-Golder	WSP-Golder Project Manager
John DeJong/UPRR	UPRR Project Manager
Kelly Ottmar/GrayMar	GrayMar Co-owner
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Junior Mendoza/GrayMar	
Brian Evans/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- 2 Pickups
- 1 Service truck

**2.0 ACTIVITIES:**

- Held Kick Off Meeting, see agenda below. Discussed:
  - All temp fence is rented by UPRR until the end of this year. Graymar will relocate around site for security and likely will take over rental.
  - No work is expected within 25 feet of the south track, which is a spur to access Kemira, remember all workers need to have completed eRailSafe.
  - GrayMar is concerned about excavation staging/coordination around power poles.





- Rubstello, Norton, DeJong, Ottmar, and Gipson walked over to Kemira site and met with Jane, the plant manager, who walked us around the site. Discussed:
  - Volume of traffic to the plant
  - Need for Kemira to move tanks back from edge of slope
  - Expected excavation limits at top of slope
  - An abandoned pipe leaving the Kemira site at the NW corner and proceeds west under the dross pile

### 3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar requested relocation of trackout pad to the west due to slope of exit, compacted soil in roadway and location of stormwater infrastructure. Trackout pad was relocated to the west approximately 20 feet to the west. If issues arise with soil on Sullivan Road, additional sweeping will be conducted or clean gravel placed on exit road.

### 4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred.

#### KICKOFF MEETING - Health and Safety touch points

- H&S is paramount if it can be done safely do it
- UPRR - eRailSafe and roadway worker training
- GrayMar and Golder have H&S plans follow them
  - COVID
- Railroad H&S specifications - John has provided a safety checklist – good resource for quick reference
- Emergency response or incident injury reporting
  - Respond to emergency first –
  - Access situation if medical assistance is required
  - Call 911 – Site address - 2317 North Sullivan Road, Spokane Valley
    - Designate a person to meet first responder at entrance gate
  - Incident reporting – Follow Company injury reporting process
  - Golder – Report all injuries –
    - Notify PM, immediately after responding to emergency, 24 hours if non- emergency
    - PM will notify UPRR client Safety Contact (John) within 24 hours and Golder project director and Corporate H&S officer.
  - For complete UPRR follow H&S Observation flow chart
  - GrayMar- Follow your company procedures and implement UPRR Observation Flow Chart
- Utility locates
  - 811
  - Private utility locates
  - Geophysics if appropriate
  - UPRR
    - CBUD 800-336-9193 or go/CBUD to create a ticket
    - Signal support 402-636-1099 or go/Signal Support and submit a ticket
      - Need written approval from each of the following local contacts
        - Mgr. Electrical/Signal- Dusty Mullaly—208-627-6241



- Mgr. Telecom- Dee Ambrosio—509-939-3983
- Mgr. Bridge- Rob Henderson—208-699-7131
- Site visitors/subs Health and Safety
  - Must follow H&S protocol in HASPs
- Exposure risks associated with the site – address with explanation of project overview
  - Why is cleanup required.
- Real H&S risk – Fatal risk -
  - Working around heavy equipment
  - Driving

### 5.0 PHOTO LOG



Photo 1. GrayMar/Golder office trailer.



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## DAILY FIELD REPORT #1

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Photo 2. Equipment on-site.



<b>Date:</b> October 4, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1530 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 80 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Compton/GrayMar	GrayMar Office manager
D. Dale/GrayMar	
R. Thayer/GrayMar	
O. Tyeken/GrayMar	
P. Campbell/GrayMar	
E. Snow/GrayMar	
A. Hernandez/GrayMar	
B. Evans/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Trencher

**2.0 ACTIVITIES:**

- Safety
  - Discussed preventing grass fires as the crew trenches along the south boundary





■ Work Activities

- Trenching and installing silt fence along south boundary, from trailer to river

**3.0 PROBLEMS AND RESOLUTIONS:**

- Gravel supplier asked about testing requirements for backfill. I suggested he submit whatever pit report that he already has. Working with GrayMar to inspect supplier's stockpile and collect samples for chemical analysis per CQA plan Attachment A.

**4.0 SUMMARY OF H&S ISSUES**

- None

**5.0 PHOTO LOG**



Photo 1. Trench for silt fence extending west from office trailer.





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## DAILY FIELD REPORT # 2

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Photo 2. Trencher looking back at trailer.



Photo 3. Barrels at SW corner of dross pile. Arrow points to five other barrels.



<b>Date:</b> October 5, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1700 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 80 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Compton/GrayMar	GrayMar Office Manager
R. Thayer/GrayMar	
R. Lozano/GrayMar	
D. Barajas/GrayMar	
A. Hernandez/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Trencher

**2.0 ACTIVITIES:**

- Safety
  - Discussed preventing grass fires as the crew trenches along the south boundary
- Work Activities
  - Most of the crew was pulled off to work on another project for the first half of the day.





- Trenching and installing silt fence along south boundary, from trailer to river

### **3.0 PROBLEMS AND RESOLUTIONS:**

- Obtained resolution on:
  - 55-gallon drums held staged at dross pile (PDI IDW, dispose of),
  - Abandonment of monitoring well MWX-4 well completion details unknown (abandon),
  - Two concrete vaults near pile (remove), and
  - Kemira barrels (Kemira to handle).
- City of Spokane Valley approached GrayMar and has asked for a Ground Disturbance and a Right of Way Use permit. Bob Seitz is working on them.

### **4.0 SUMMARY OF H&S ISSUES**

- No health and safety issues occurred.

### **5.0 PHOTO LOG**



Photo 1. Abandoned vault in NW corner of pile, just south of RR tracks





Photo 2. Abandoned vault near SW corner of pile.



Photo 3. Kemira barrels from their Phase II ESA





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## DAILY FIELD REPORT # 3



Photo 4. Posts for silt fence extending west from office trailer.



Photo 5. Crew working on fence trench. Small trencher has difficulties in site's rocky ground.





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## DAILY FIELD REPORT # 3

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Photo 6. Ecology blocks placed around guy wires to protect from truck traffic.



Photo 7. Looking west, crew installing silt fence posts.



<b>Date:</b> October 6, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1800 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 80 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 10%	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Compton/GrayMar	GrayMar Office Manager
R. Thayer/Graymar	
D. Dale/Graymar	
B. Evans/Graymar	
E. Snow/Graymar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Trencher
- Bulldozer Deere 700L

**2.0 ACTIVITIES:**

- Safety
  - Discussed preventing grass fires as the crew trenches along the south and west boundary, will have water truck on-site to pre-wet grass and do fire watch



### ■ Work Activities

- Installed silt fence along south boundary and trenched north to trestle
- Installed temp fence across gravel road to Kemira north of office trailer
- Blocked two roads south from main yard with eco blocks and installed construction fence from east road to berm by trailer

### 3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar is moving the truck wheel cleaning rumble strips to the vicinity of the berm. They will lay the 150' of quarry spalls immediately east of the rumble strips. They suggested laying coarse gravel on the driveway from the quarry spalls to Sullivan Road. I instructed them to propose the material and the cost and Golder/WSP would consider.
- GrayMar suggested a less expensive Vehicle Access Gate design. I instructed them to propose the design and what cost savings there would be to the project and Golder/WSP would consider.
- Gravel supplier (Interstate Concrete & Asphalt) brought over samples of two materials for the Offsite Backfill, a coarse sand and a broken pea gravel. The sand looks to be the better material for our use. They do not have metals testing for either material. I said our tester would be over next week to inspect the stockpile and pull some samples for testing.
- Bob Seitz is continuing to work on the City of Spokane Valley Ground Disturbance and a Right of Way Use permit.

### 4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred.





**5.0 PHOTO LOG**



Photo 1. Looking into south vault



Photo 2. Two views inside of north vault.





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## DAILY FIELD REPORT # 4



Photo 3. Silt and construction fence installed extending west from office trailer.



Photo 4. Crew working on fence trench thru tall grass, water truck on fire watch.





Photo 5. Trenching reaches road east of the river.



Photo 6. Trenching east of the river toward trestle.





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## DAILY FIELD REPORT # 4

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Photo 7. End of fence trench at UPRR trestle. Road left open to allow UPRR access to tracks to the east.



Photo 8. Road north to Kemira blocked by temp fence.





Photo 9. Blocks across eastern access road to the south.



Photo 10. Blocks across western access road to the south.



Photo 11. Construction fence from eastern access road to berm by trailer.





<b>Date:</b> October 7, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1800 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 80 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> Haze about 50%	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Compton/GrayMar	GrayMar Office Manager
R. Thayer/GrayMar	
D. Dale/GrayMar	
B. Evans/GrayMar	
E. Snow/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Trencher
- Bulldozer Deere 700L
- Trackhoe Case CX210D

**2.0 ACTIVITIES:**

- Safety
  - Discussed site getting busier as more equipment arrives



■ Work Activities

- Installed silt and construction fence along south boundary and north to trestle, measured out at 1500 LF
- Started grading haul road to the NW of trailer
- Cut through berm for out-bound haul route

**3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar is moving the truck wheel cleaning rumble strips to the vicinity of the berm. They are trying to purchase the rumble strips and get them installed to start hauling on Tuesday, 10/11/22. GrayMar used the bulldozer to push thru the berm and connect to the haul road.
- I instructed GrayMar to do no work, including grading, of the corner of Parks land that crosses the haul road. Also, to do no work anywhere on the Parks land until final agreement is reached with that Department.
- GrayMar was confused on ballast vs quarry spalls. I clarified (Project Engineer confirmed) that ballast is for the cap and quarry spalls are for the containment berm.
- Michael Gray agreed to purchase a City of Spokane Valley Ground Disturbance permit but determined that a Right of Way Use permit was not needed.
- Fred Downs from Waste Management stopped by and confirmed that they were ready for the cross hauling to start.

**4.0 SUMMARY OF H&S ISSUES**

- No health and safety issues occurred.



**5.0 PHOTO LOG**



Photo 1. Silt/Construction fence installed thru grass on south boundary



Photo 2. Silt/Construction fence east of river.





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## DAILY FIELD REPORT # 5



Photo 3. Silt/Construction fence at trestle.



Photo 4. Bulldozer arrived 10/6 and Trackhoe arrived 10/7.





Photo 5. Grading of in-bound haul route on north side of site.



Photo 6. Cut through berm to connect out-bound haul route to main yard. Rumble strips will go where berm was.





<b>Date:</b> October 10, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1530 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 75 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> Hazy and smoky	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Compton/GrayMar	GrayMar Office Manager
R. Thayer/GrayMar	
D. Dale/GrayMar	
B. Evans/GrayMar	
E. Snow/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flat bed trailer
- Trencher
- Bulldozer Deere 700L
- Trackhoe Case CX210D

**2.0 ACTIVITIES:**

- Safety
  - Silt/Security fence by river was pulled down over the weekend



■ Work Activities

- Constructed 150' quarry spill exit roadway
- Graded main yard around trailer
- Placed ecology blocks and straw bales on west edge of upper turn around on Pentzer property.

**3.0 PROBLEMS AND RESOLUTIONS:**

- All problems were addressed in 2 PM project meeting, see below.

**4.0 SUMMARY OF H&S ISSUES**

- No health and safety issues occurred

**WEEKLY MEETING**

- GrayMar – City of Spokane Valley is most important right now. Vanessa will take the lead preparing a submittal for this permit. If every detail cannot be worked out in the next couple of days, GrayMar will request conditional approval to start hauling. GrayMar has submitted for a basic grading permit that will allow them to haul away up to 500 cy, as a way to get started.
- Golder – BPA permit, which allows work on the Pentzer property is still not in hand. Ted is working toward having it by 10/12/22 but will call again to see if it is on schedule.
- GrayMar is working on the TESC and SWPPP plans. Vanessa believes they are close enough and we can consider them sufficient to start hauling. The key is to prevent off-site storm flow to the river. All storm water must be kept on site and infiltrated.
- GrayMar has contacted UPRR signals and telecom contacts and they will visit the site soon. GrayMar has been unable to contact the UPRR bridge person. GrayMar will contact John DeJong to pass along the word to that individual.
- GrayMar – Surveyor should be on site soon to start laying out excavations. May use a drone.
- GrayMar – Security fence was installed along silt fence and south of main yard. No request to be paid.
- Golder – Reiterated that no excavation can be done on the Parks property until they give permission. Will likely require a cultural resource person observing excavations.
- GrayMar – Truck Access Gate is being fabricated.
- Golder – Asked who owns ecology blocks around dross pile. GrayMar will ask UPRR if they belong to them.
- GrayMar asked about the arborist report. Ted said that it is due tomorrow.
- GrayMar – contacted well driller and are working getting all four wells decommissioned. The well driller they talked to may have been the one that installed Well #4.
- Golder – There have been many early changes, my need contractor's schedule updated.
- Golder – Ted and environmental sample person will be on site tomorrow.



**5.0 PHOTO LOG**



Photo 1. Silt/Construction fence was damaged over weekend.



Photo 2. Quarry spalls being dumped for truck ramp.





Photo 3. Quarry spalls being placed for truck ramp.



Photo 4. Placing three sets of truck rumble mats.





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# DAILY FIELD REPORT # 6



Photo 6. Truck rumble mats placed and ready.



Photo 7. More ecology blocks placed around BPA guy wires for protection.





Photo 8 and 9. Ecology blocks and straw bales placed at west side of upper truck turn around to stop storm flow to the west.



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## DAILY FIELD REPORT # 6

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Photo 10. Temp fence and ecology blocks removed from west end of dross pile for use elsewhere. Silt fence is maintained.





<b>Date:</b> October 11, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> 1530 PDT
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 75 °F	<b>Wind:</b> Breezy
<b>Cloud Cover:</b> Hazy and smoky	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Ted Norton/WSP-Golder	WSP-Golder Project Manager
Andrew Guglielmo	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Trisha Compton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
Mike Murphy/GrayMar	Graymar Foreman

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D

## 2.0 ACTIVITIES:

- Safety
  - Damaged silt/Security fence by river was repaired
- Work Activities





- Installed storm water drainage at SW corner of dross pile to direct flow away from the river. Drainage includes a graded ditch and a line of ecology blocks.

### **3.0 PROBLEMS AND RESOLUTIONS:**

- Ted Norton contacted BPA and they gave verbal approval to drive on their easement for outloading the dross pile.
- GrayMar and WSP-Golder continue to work on the City of Spokane Valley Land Disturbance permit. Revised permit will likely be resubmitted tomorrow, with approval tomorrow or the day after.
- GrayMar also applied for and received a Regular Grading permit from the City of Spokane Valley. This allows them to haul only 500 cy, but it will allow them to start and work for a day while the Land Disturbance permit is finalized.
- The only restriction not resolved at this point is access to the Parks property, and GrayMar has been directed to do no excavation there until further notice. This is not an issue as this restriction does not restrict dross hauling.

### **4.0 SUMMARY OF H&S ISSUES**

- No health and safety issues occurred

### **5.0 PHOTO LOG**



Photo 1. SW corner of dross pile, with drainage blocks in the background.



Photo 2. Temporary drainage ditch and ecology blocks for directing storm flow off the dross pile away from the direction of the river.



<b>Date:</b> October 12, 2022		<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Spokane Valley, WA		<b>Job No.:</b> GLUPRR_2.022	
		<b>Contractor:</b> GrayMar	
<b>High Temperature:</b> 75 °F		<b>Wind:</b> Light breeze	
<b>Cloud Cover:</b> 50% light clouds		<b>Precipitation:</b> None	
<b>Personnel On Site/Company</b>		<b>Responsibility</b>	
Lester Rubstello/WSP-Golder		WSP-Golder Construction Manager	
Andrew Guglielmo/WSP-Golder		WSP-Golder Sampling & Analysis Lead	
Mike Gipson/GrayMar		GrayMar Project Manager	
Bob Seitz/GrayMar		GrayMar Asst Project Manager	
Mike Murphy/GrayMar		GrayMar Foreman	
Trisha Cumpton/GrayMar		GrayMar Office Manager	
A. Hernandez/GrayMar			
E. Snow/GrayMar			
R. Thayer/GrayMar			

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Grader Sany 200C-B
- Loader Deere 624
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D

**2.0 ACTIVITIES:**

- Safety
  - Initial work on west end of dross pile is under BPA power lines. Extra care is being taken to lower the pile before the excavator gets on it to help keep boom away from wire.





■ Work Activities

- GrayMar entered the dross pile with a bulldozer to pile loose dross for a loader to load trucks. First truck was loaded and off site at 11:28 am.
- Second truck left site at 1:50 pm and returned at 3:30 pm.

**3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar asked about status for arborist report.
- GrayMar says that their surveyor will be on site 10-14-22.
- GrayMar only able to find one truck (their own) for today's hauling. They hope to have more on 10-14-22.
- GrayMar was considering working Saturday if the City of Spokane Valley Land Disturbance permit is approved. However, the landfill is not open on Saturdays.

**4.0 SUMMARY OF H&S ISSUES**

- No health and safety issues occurred

**5.0 PHOTO LOG**



Photo 1. SW corner of dross pile, with silt fence against ecology blocks to deflect drainage off of pile.



**GOLDER**  
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## DAILY FIELD REPORT # 8

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Photo 2. West end of dross pile protected by silt fence and berm. Access point where bulldozer is has an added waddle to deter runoff.



Photo 3. Bulldozer grading out future loading area.





Photo 4. Bulldozer lowering area under the BPA wires.



Photo 5. Excavator enters the dross pile under BPA wires.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 8



Photo 6. Loading of first truck.



Photo 7. First truck leaving site across rumble strips and quarry spalls at 11:28 am.



Photo 8. Excavator clearing a loading zone within the west end of the dross pile.





<b>Date:</b> October 13, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 75 °F	<b>Wind:</b> Light breeze
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
/R Transport	
/R Transport	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Truck and trailer from R Transport (2)



## 2.0 ACTIVITIES:

- Safety
  - Continued caution about the excavator working under the BPA power lines.
  - Crew cautioned to be careful with more trucks and equipment on site. Warned to stay out of the dross pile, and to always make eye contact with drivers and operators.
  - Crew told to stay off cell phones while in the truck loading area.
- Work Activities
  - GrayMar has three trucks running today, their single and two sub (R Transport) truck & trailers. First truck was loaded and off site at 7:30 am.
    - GrayMar truck measures at 18 cy, figure 17 cy when loaded.
    - R Transport trucks measure at 21 cy, figure 17 cy when loaded, trailers measure 23 cy, figure 19 cy when loaded
  - GrayMar keeping haul roads watered
  - Total Haul for the day:  $34 + 288 = 322$  cy (approx.)
    - GrayMar truck made 2 runs:  $2 \times 17 = 34$  cy
    - R Transport trucks made 4 runs each:  $4 \times 2 \times (17+19) = 288$  cy

## 3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar asked about status for arborist report. I informed them that Ted has been unable to make contact.
- Landfill closes at 4 pm and wants the last truck to be in line at 3:30 pm, so 3 pm is time for last truck of the day. Three trucks running today, GrayMar believes five trucks is the maximum number the site can handle.  $4 \text{ runs} \times 5 \text{ trucks} \times (17+19) = 720$  cy max/day  
 $62,000 / 720 = 86$  days of hauling
- Surveyor on site tomorrow to lay out target excavations on WSDOT property so 2<sup>nd</sup> excavator can be working there.

## 4.0 SUMMARY OF H&S ISSUES

- No health and safety issues occurred

## 5.0 BID ITEMS MEASURED (INSTALLED THRU TODAY)

- Item #2 – Silt Fence: 1531 LF
- Item #3 – Straw Wattles: 2 Each
- Item #4 – Straw Bales: 29 Each





- Item #5 – Construction Entrance: 267 SY
- Item #10 – Dross Stockpile Removal ~34 CY i.e ~31.8 TN (10/12/22)
- Item #10 – Dross Stockpile Removal ~322 CY i.e. ~265.4 TN(10/13/22)
- Total Item #10 to date – ~356 CY i.e. ~297.2 TN
- Item #29 – Truck Wheel Wash Installed

## 6.0 PHOTO LOG



Photo 1. Bulldozer and excavator reducing west end of dross pile.



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MEMBER OF WSP

## DAILY FIELD REPORT # 9

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Photo 2. Power lines above bulldozer are an issue. They are too low for excavator to work need to maintain 16 feet of distance, so bulldozer pushes material from there to the west.



Photo 3. Area under the low power lines.





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## DAILY FIELD REPORT # 9



Photo 4. Truck and trailer crossing rumble strips and quarry spalls.



Photo 5. Light wheel tracking on Sullivan Rd.





Photo 6. Drain system for rumble strips.



Photo 7. Tenth truck overall for the day being loaded at approximately 2:30 pm.





<b>Date:</b> October 14, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 73 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> 30% High thin clouds	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
Frank/R Transport	
Dave/R Transport	

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Truck and trailer from R Transport (2)



## 2.0 ACTIVITIES:

- Safety
  - Continued caution about the excavator working under the BPA power lines.
  - Crew cautioned to be careful with more trucks and equipment on site. Warned to stay out of the dross pile, and to always make eye contact with drivers and operators.
- Work Activities
  - Golder collected 5 soil samples from backfill stockpiled at the supplier's facility and submitted them on standard 5 day TAT.
  - GrayMar has only the two R Transport trucks running today, their single dump is down. First truck was loaded and off site at 6:40 am.
  - GrayMar keeping haul roads watered
  - Total Haul for the day:
    - R Transport trucks made 9 runs total:  $9 \times (17+19) = \sim 324$  cy

## 3.0 PROBLEMS AND RESOLUTIONS:

- GrayMar received arborist report. They believe tree protection is not in contract.
- Surveyor on site today to lay out deep digs on WSDOT property so 2<sup>nd</sup> excavator can be working there.

## 4.0 SUMMARY OF H&S ISSUES

- UPRR was on site today and noticed a GrayMar employee driving on the site while on his phone, and two truck drivers outside their vehicles without full PPE. These issues will be focused on next week.

## 5.0 BID ITEMS MEASURED TODAY

- Dross Hauling on 10-14: 280.63 TN
- Total Dross Hauling to date: 511.8 TN





**6.0 PHOTO LOG**



Photo 1. Truck loading



Photo 2. Bulldozer in very SW corner of pile





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## DAILY FIELD REPORT # 10



Photo 3. Dig locations in WSDOT property laid out



Photo 4. Eastern most WSDOT dig out laid out





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## **DAILY FIELD REPORT # 10**

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Photo 5. Light wheel tracking on Sullivan Rd.

Photo 6. Drain system for rumble strips.

Photo 7. Tenth truck overall for the day being loaded at approximately 2:30 pm.



<b>Date:</b> October 17, 2022	<b>On-Site:</b> 0620 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 73 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flat bed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 5 Trucks from Interstate: 1 Single/17 cy, 1 Side Dump (only 1 run), 3 Truck & Trailer/17+17cy, 1 Single/17cy





## **2.0 ACTIVITIES:**

- Safety
  - Continued caution about the excavator working under the BPA power lines.
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Everyone reminded to stay off cell phones while driving.
- Work Activities
  - GrayMar has five trucks from Interstate today.
  - GrayMar keeping haul roads watered
  - Total Haul for the day:
    - Trucks made 20 runs total: 12 loads x (17+17) + 8 loads x 17= ~544 cy  
(I'm not very confident in this number)

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Perimeter testing
  - 4 tests at dross pile, 5 tests at WSDOT excavation
- XRF Sampling
  - 7 samples taken on UPRR slope

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-17: 560.04 tons

## **WEEKLY MEETING**

- Graymar – Traffic plan resubmitted. TESC to be resubmitted soon. Much discussion about SWPPP. It was decided to prepare it to DOE standards but not submit it to them. HASP submitted over weekend.
- Discussed safety issues of last week.
- Discussed invoice submittal process.



- Discussed what GrayMar is doing to deal with the sticky dross. Ted said to supply an estimate of extra cost needed to add poly liner.
- Discussed schedule.
- Discussed utility locates. Still waiting to locate gas line near Sullivan Rd, which could affect gate.
- Discussed how off-pile excavations and native backfill will be measured.

## 7.0 PHOTO LOG



Photo 1. Loading of second truck of the day.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 11

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Photo 2. Progress on lowering western edge of pile.



Photo 3. Excavation on WSDOT deep digs begins





Photo 4. Eastern most WSDOT dig excavation.



Photo 5. Boulders on left of photo came out of one 20'x20'x6' hole.





<b>Date:</b> October 18, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 70 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
A. Villanueva/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 10 Trucks from Interstate: 10 Single/17 cy



## 2.0 ACTIVITIES:

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks. Truck drivers all brought into the trailer and given a safety talk.
  - Everyone reminded to stay off cell phones while driving.
- Work Activities
  - GrayMar has ten trucks from Interstate today.
  - GrayMar keeping haul roads watered.
  - GrayMar continues to excavate WSDOT #9.
  - Total Haul for the day:
    - Trucks made 43 runs total: 43 loads x 17 = ~731 cy

## 3.0 PROBLEMS AND RESOLUTIONS:

- Partially full (1/4 to 1/3) 55-gallon drum of presumed petroleum product was encountered in target excavation #9 today. Jason Huotari at WSDOT was notified, WSDOT sent hazmat personnel to make an initial assessment.

## 4.0 SUMMARY OF H&S ISSUES

- No issues today.

## 5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
  - Conducted perimeter testing
  - Conducted air monitoring down wind of target excavations 8 and 9
  - One spike to 17mg/m<sup>3</sup> may have been glitch but responded with additional water spray
- XRF Sampling
  - 5 XRF samples collected on UPRR slope
  - 4 XRF and 4 soil confirmation samples collected from bottom of target excavation 8/9

## 6.0 BID ITEMS MEASURED TODAY

- Weigh Ticket Dross Hauling on 10-18: 880.12 tons
- Total to date: 1440.16 tons





**7.0 PHOTO LOG**



Photo 1. Loading of second truck of the day with lights.



Photo 2. Loading trucks in the afternoon.



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## DAILY FIELD REPORT # 12

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Photo 3. West end of pile almost to grade level.



Photo 4. Truck at Graham Road Landfill scale house. Trucks must weigh in-bound and out-bound on the one scale. In the morning it can be ten-minute wait to weigh.





Photo 5. Stockpile of WSDOT excavation material.



Photo 6. Almost every other scoop brings up a boulder.





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## DAILY FIELD REPORT # 12



Photo 7. Continued excavation on WSDOT #9.





<b>Date:</b> October 19, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 70 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> None	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
A. Villanueva/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 2 Trucks from Interstate: 2 Single/17 cy



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks. Truck drivers all brought into the trailer and given a safety talk.
  - Everyone reminded to stay off cell phones while driving.
- Work Activities
  - GrayMar has three trucks today, two from Interstate and their own.
  - GrayMar keeping haul roads watered.
  - GrayMar continues to excavate WSDOT #6, #8, #9.
  - Total Haul for the day:
    - Trucks made 11 runs total: 12 loads x 17 = ~204 cy

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Several large boulders in WSDOT #8 & #9 that are too large for GrayMar's excavator to remove. The boulders will be left in place and loose material removed from around them as best as possible.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Perimeter testing: Completed AM and PM perimeter dust monitoring, as well as monitoring down wind of the Dross and WSDOT 8 and 9 excavations every two hours.
- XRF Sampling
  - Collected 5 XRF readings from UPRR-2 and four analytical and XRF samples from the bottom of WSDOT 8 and 9 excavations.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-19: 215.35 tons
- Total to date: 2233.36 tons (Total is correct. Earlier totals were wrong, bad formula in spreadsheet)





**7.0 PHOTO LOG**



Photo 1. West end of dross pile at start of day.



Photo 2. Lowering west end of dross pile.





Photo 3. Start of excavation on WSDOT #8.



Photo 4. Large boulders just one to two feet below grade.





Photo 5. Stockpile of WSDOT excavation material.



Photo 6. Large boulders left in WSDOT #8 & #9.





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# DAILY FIELD REPORT # 13



Photo 7. Excavation on WSDOT #6.



Photo #8. Spoils pile at WSDOT #6. Almost no rocks over 1 foot diameter.





<b>Date:</b> October 20, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 70 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> 100% Cloudy	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
A. Villanueva/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flat bed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 5 Trucks from Interstate: 3 Truck & Trailers/34 cy and 2 Single/17 cy



## 2.0 ACTIVITIES:

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - SAL team reminded to make eye contact with excavator operator when wanting to enter an excavation.
  - Stay off cell phones while in work area or driving, stay focused on work.
- Work Activities
  - GrayMar keeping haul roads watered.
  - GrayMar did no excavation on WSDOT
  - Total Haul for the day:
    - Trucks made 16 runs total: 10 loads x 34 plus 6 loads x 17 = ~442 cy

## 3.0 PROBLEMS AND RESOLUTIONS:

- No issues today.

## 4.0 SUMMARY OF H&S ISSUES

- WSDOT barrels excavated early this week have been covered by plastic to protect from rain expected tomorrow. (see photos)

## 5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
  - AM and PM perimeter dust monitoring was completed, and excavation specific monitoring was completed during the loading of the dross pile. No additional excavations were attempted on the WSDOT property, so no monitoring was conducted there.
- XRF Sampling
  - Completed confirmation sampling of the WSDOT 8 and 9 excavations. Collected a 6ft and 4ft bottom sample from each excavation as well as eight sidewall samples in total. Additionally, confirmation samples were collected from the WSDOT 6 excavation, one bottom and four sidewall samples. 17 confirmation samples, one duplicated from the WSDOT west wall sample, and one rinse blank were sent to the lab.

## 6.0 BID ITEMS MEASURED TODAY

- Weigh Ticket Dross Hauling on 10-20: 451.21 tons
- Total to date: 2,684.57 tons





**7.0 PHOTO LOG**



Photo 1. WSDOT property barrels removed from excavation #9 cover with plastic.

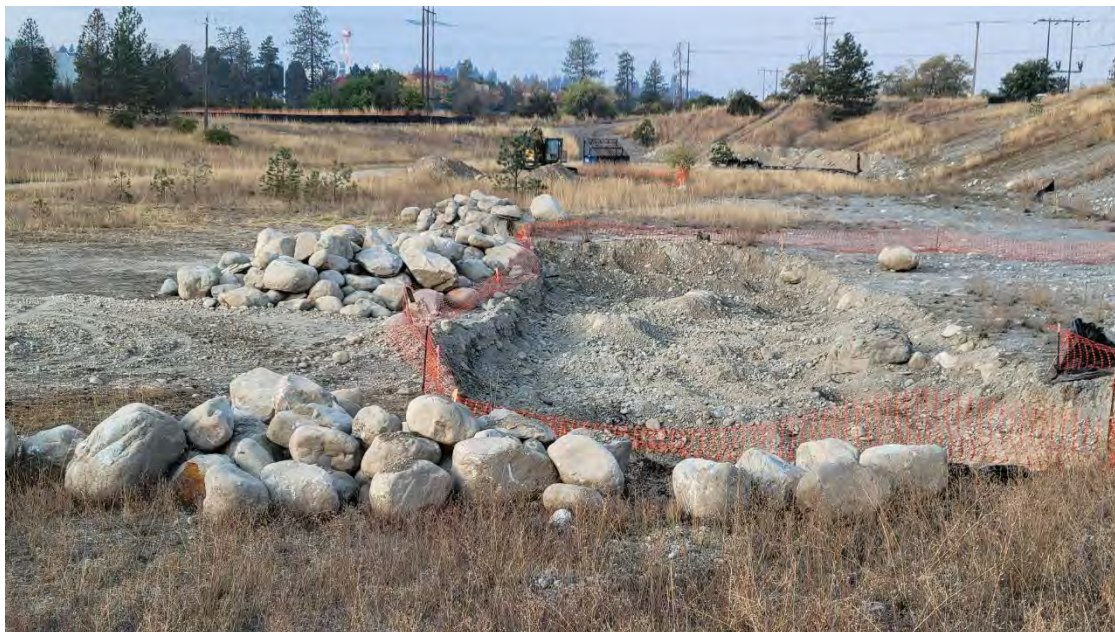


Photo 2. Three piles of boulders removed from WSDOT excavations #8 & #9.





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# DAILY FIELD REPORT # 14



Photo 3. Finished excavation #6 on WSDOT.



Photo 4. Truck loading.





<b>Date:</b> October 21, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 50 °F	<b>Wind:</b> None
<b>Cloud Cover:</b> 100% Cloudy	<b>Precipitation:</b> Rain started 11 am

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Andrew Guglielmo/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
A. Villanueva/GrayMar	
F. Ortega/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flat bed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 2 Trucks from Interstate: 2 Single/17 cy



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks. Truck drivers all brought into the trailer and given a safety talk.
- Work Activities
  - GrayMar has three trucks today, two from Interstate and their own.
  - GrayMar keeping haul roads watered.
  - GrayMar did no excavation on WSDOT
  - Total Haul for the day:
    - Trucks made 11 runs total: 11 loads x 17 = ~187 cy

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- WSDOT barrels excavated early this week have been covered by plastic to protect from rain. (see photos)

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Perimeter testing: Completed AM perimeter dust monitoring. No monitoring after start of rain.
- XRF Sampling
  - No samples collected due to wet ground.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-21: 246.24 tons
- Total to date: 2,947.3 tons (reconciled with weigh tickets and invoicing)





**7.0 PHOTO LOG**



Photo 1. Security fence installed around WSDOT excavations.



Photo 2. Truck loading.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 15

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Photo 3. GrayMar is adjusting the in-bound haul road to miss WSDOT excavation #7.



Photo 4. New in-bound haul road ramp.





<b>Date:</b> October 24, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 38 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Cloudy	<b>Precipitation:</b> Rain started 9 am

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Amar Jain/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 2 Pickups
- 1 Service truck
- Dump truck and flat bed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 2 Trucks from Interstate: 2 Single/17 cy



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks. Truck drivers all brought into the trailer and given a safety talk. Discussed not talking on cell phone while driving.
- Work Activities
  - GrayMar excavated WSDOT #5 & #7 on 10/21/22.
  - GrayMar has fourteen trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 55 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Start/End of day perimeter dust monitoring
  - Dross West pile dust monitoring
- XRF Sampling
  - Excavation 7 & 5 samples collected (total of 10)
  - Samples prepped for XRF screening

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-24: 1376.64 tons
- Total to date: 4,323.94 tons





**7.0 PHOTO LOG**



Photo 1. Security fence installed around WSDOT excavation #5, which was excavated 10/21/22.



Photo 2. WSDOT #7, also excavated 10/21/22.





Photo 3. Loading of first trucks.



Photo 4. GrayMar modified operations to load two with two excavators.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 16



Photo 5. Mud on truck ramp during rain.



Photo 6. Progress on cross pile.





Photo 7. Line of trucks waiting to access loading area.





<b>Date:</b> October 25, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 50 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> Cloudy w/ few sun breaks	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Amar Jain/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpston/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
V. Magano/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- 14 Trucks from Interstate: Singles and Truck & Trailers



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Truck drivers told to be aware of GrayMar employees putting the film in their trucks.
- Work Activities
  - Well subcontractor on-site filling wells with 3/8" bentonite.
  - GrayMar covered driveway between quarry spalls and Sullivan Rd with gravel to reduce mud tracked out.
  - GrayMar has twelve trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 54 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Discussed with GrayMar where the bottom of the dross pile is. Ted confirmed that GrayMar should halt downward progress when natural subgrade is met.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Start/End of day perimeter dust monitoring
  - Dross West pile dust monitoring
- XRF Sampling
  - XRF Screening for Excavation 7 & 5 samples
  - XRF screening for UPRR2 - 11,12,13, 26, 28 locations
  - Excavation 7 & 5 samples (total of 10, 5 each) out for delivery to lab
    - Tracking # 605338077192





## 6.0 BID ITEMS MEASURED TODAY

- Weigh Ticket Dross Hauling on 10-25: 1392.64 tons
- Total to date: 5,716.58 tons

## 7.0 PHOTO LOG



Photo 1. Loading of first trucks of the day.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 17

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Photo 2. Line of trucks at the start of the day.



Photo 3. Excavators reaching subgrade at west end of dross pile.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 17

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Photo 4. Bulldozer pushing dross to two excavators.



Photo 5. Excavator reaching bottom of dross stockpile.



<b>Date:</b> October 26, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 48 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> AM rain, PM rain

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Amar Jain/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Kelly Ottmar/GrayMar	GrayMar Partner
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
V. Magano/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 11 Trucks from Interstate: Singles and Truck & Trailers





## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Truck drivers told to be aware of GrayMar employees putting the film in their trucks.
- Work Activities
  - GrayMar covered the haul road immediately west of the truck tire rumble strips with gravel to reduce mud tracked out.
  - GrayMar has eleven trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 46 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Weighed two 5-gallon buckets of dross: 1<sup>st</sup> 51.6 lbs, 2<sup>nd</sup> 65.5 lbs.
- Dust Monitoring
  - Start of day perimeter dust monitoring; unable to perform dust monitoring at west end of dross stockpile and end of day perimeter monitoring due to rain causing the dust meter touch screen to fail
- XRF Sampling
  - Bottom of dross west end of stockpile sample collected and prepped for XRF screening and shipping to lab

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-26: 1286.12 tons
- Total to date: 7,002.7 tons



**7.0 PHOTO LOG**



Photo 1. Loading of first trucks of the day.



Photo 2. Gravel placed on driveway to control mud getting to Sullivan Rd.





Photo 3. Gravel being added to haul road west of rumble strips.



Photo 4. Bulldozer pushing dross to two excavators.



Photo 5. Bottom of stockpile exposed in NW corner of dross pile.





<b>Date:</b> October 27, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Spokane Valley, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High Temperature:</b> 50 °F	<b>Wind:</b> Moderate
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> None

<b>Personnel On Site/Company</b>	<b>Responsibility</b>
Lester Rubstello/WSP-Golder	WSP-Golder Construction Manager
Amar Jain/WSP-Golder	WSP-Golder Sampling & Analysis Lead
Mike Gipson/GrayMar	GrayMar Project Manager
Bob Seitz/GrayMar	GrayMar Asst Project Manager
Mike Murphy/GrayMar	GrayMar Foreman
Trisha Cumpton/GrayMar	GrayMar Office Manager
A. Hernandez/GrayMar	
E. Snow/GrayMar	
R. Thayer/GrayMar	
D. Barajas/GrayMar	
V. Magano/GrayMar	
C. Bennett/GrayMar	

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 11 Trucks from Interstate: Singles and Truck & Trailers



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers wear all PPE when outside their trucks.
  - Operators reminded to be aware of overhead power lines when loading trucks.
  - Entering truck drivers told to be aware of exiting trucks coming down the hill.
- Work Activities
  - GrayMar added fresh quarry spalls to the truck exit ramp.
  - GrayMar has eleven trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 49 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Pea gravel laid on driveway is being tracked out onto Sullivan Rd. yesterday, GrayMar used the skid steer broom to clean. Today they are ordering a street sweeper.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Start/End of day perimeter dust monitoring
  - Dross West pile dust monitoring
- XRF Sampling
  - XRF Screening for native material under West end of dross pile

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-26: 1308.97 tons (revised)
- Weigh Ticket Dross Hauling on 10-27: 1285.65 tons
- Total to date: 8,311.2 tons





**7.0 PHOTO LOG**



Photo 1. Excavators working on Pentzer property.



Photo 2. Gravel being tracked out onto Sullivan Rd.





Photo 3. Bulldozer getting close to vault on south side of pile. This vault will be hauled to landfill.



Photo 4. Bulldozer pushing dross to two excavators.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 19



Photo 5. SW corner of dross stockpile being lowered.





<b>Date:</b> October 28, 2022		<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1330
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Spokane Valley, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 55/40°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> Light

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Amar Jain	WSP-Golder	Construction Observation/ Sampling & Analysis
Mike Gipson	GrayMar	Project Manager
Kelly Ottmar	GrayMar	Partner
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
D. Barajas	GrayMar	Laborer
V. Magano	GrayMar	Laborer
John Dejong	Union Pacific	Site Manager
Twelve drivers from Interstate		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 11 Trucks from Interstate: Singles and Truck & Trailers





## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Truck drivers told to be aware of GrayMar employees putting the film in their trucks.
- Work Activities
  - GrayMar has eleven trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 46 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Start of day and end of day perimeter dust monitoring; no readings exceeded the max allowed average value for perimeter monitoring.
  - Dross West excavation dust monitoring; no readings exceeded the max allowed average value for excavation monitoring.
- Soil Sampling
  - One soil sample from the bottom of the dross west end of stockpile was shipped to Pace Labs for analysis

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-28: 1328.44 tons
- Total to date: 9,639.64 tons



**7.0 PHOTO LOG**



Photo 1. Excavator loading first trucks of the day.





Photo 2. Bulldozer pushing dross to two excavators.



Photo 3. Loader screening excavation stockpiles to remove large rock debris.





<b>Date:</b> October 31, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1530
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 55/40°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 90% Clouds	<b>Precipitation:</b> Light rain several times today

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Amar Jain	WSP-Golder	Construction Observation/ Sampling & Analysis
Ted Norton	Golder	Project Manager
Mike Gipson	GrayMar	Project Manager
Kelly Ottmar	GrayMar	Partner
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
D. Barajas	GrayMar	Laborer
V. Magano	GrayMar	Laborer
Fifteen drivers from Interstate		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 11 Trucks from Interstate: Singles and Truck & Trailers



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Truck drivers told to be aware of GrayMar employees putting the film in their trucks.
- Work Activities
  - GrayMar has fifteen trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 64 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues today.

## **4.0 SUMMARY OF H&S ISSUES**

- No issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Start of day and end of day perimeter dust monitoring; no readings exceeded the max allowed average value for perimeter monitoring.
  - Dross West excavation dust monitoring; no readings exceeded the max allowed average value for excavation monitoring.
- Soil Sampling
  - No soil/dross sampling conducted today, catch up on prior sampling paperwork.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 10-31: 1623.45 tons
- Total to date: 11,263.25 tons





**7.0 PHOTO LOG**



Photo 1. South haul out road damp from rain minimizes dust.



Photo 2. Track out on Sullivan minimal fines but gravel is being tracked out.



Photo 3. Sweeper entering traffic removing rock from Sullivan, Next pass used a truck with flashing lights behind sweeper for rear escort.





<b>Date:</b> November 1, 2022		<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Trentwood, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 48/40°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> Light rain to heavy rain all day

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Amar Jain	WSP-Golder	Construction Observation/ Sampling & Analysis
Ted Norton	Golder	Project Manager
Mike Gipson	GrayMar	Project Manager
Kelly Ottmar	GrayMar	Partner
Mike Murphy	GrayMar	Foreman
Trisha Cumpton	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
D. Barajas	GrayMar	Laborer
V. Magano	GrayMar	Laborer
Eighteen drivers from Interstate		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 3 Pickups
- 1 Service truck
- Dump truck and flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 18 Trucks from Interstate: Singles and Truck & Trailers



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times. Everyone told to make sure truck drivers where all PPE when outside their trucks.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Street sweeper needs to wait for escort to pull out first.
- Work Activities
  - GrayMar has fifteen trucks today from Interstate, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 64 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Dust noted while screening soils - monitor dust in cab next time screening soil.
- Heavy rain and truck traffic are making the site muddy - watch to make sure no stormwater leaves the site.

## **4.0 SUMMARY OF H&S ISSUES**

- Rain makes dross slippery need to be careful getting in and out of heavy equipment.
- Cutting plastic liner with pocket knife, will look into safer method.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted - raining consistently.
- Soil Sampling
  - No soil/dross sampling conducted today, coordinated further with lab to get process corrected.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-1: 1725.45 tons
- Total to date: 12,988.7 tons

## **7.0 PHOTO LOG**





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 22

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Photo 1. Loading area becoming muddier with continued rain.



Photo 2. South haulout road is becoming muddy before reaching track out pad.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 22

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Photo 3. Sullivan Road between sweeping rounds.





<b>Date:</b> November 2, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 48/40°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> Light rain to heavy rain all day

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Amar Jain	WSP-Golder	Construction Observation/ Sampling & Analysis
Ted Norton	Golder	Project Manager
Mike Gipson	GrayMar	Project Manager
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
B. Evans	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
D. Barajas	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
Fourteen drivers from Interstate and CAD		

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 14 Trucks from Interstate: Singles and Truck & Trailers



## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times.
  - Workers who lay plastic film in trucks told to be careful climbing in and out of trucks.
  - Slips trips and falls.
- Work Activities
  - GrayMar has fourteen trucks today from Interstate and CAD, singles and truck & trailers.
  - Total Haul for the day:
    - Trucks made 76 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No dust monitoring conducted – site too wet to generate dust.
- Recent heavy rains and truck traffic made the site muddy – noted small location where muddy water started to leave the road. GrayMar grading a ditch to remedy the situation.

## **4.0 SUMMARY OF H&S ISSUES**

- Rain makes dross slippery need to be careful getting in and out of heavy equipment.
- Industrial scissors were provided to the works as a safer method to cut plastic liner.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted - raining off and on no dust visible.
- Soil Sampling
  - Collected four dross extent characterization samples today, started processing for XRF and shipment to lab.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-2: 1907.8 tons
- Total to date: 14,896.5 tons

## **7.0 PHOTO LOG**





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 23

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Photo 1. Loading area remains muddy following rainy period yesterday.



Photo 2. South haul out road breach from yesterday. GrayMar addressed condition with road grading ditch.



<b>Date:</b> November 3, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 45/36°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 80% Clouds	<b>Precipitation:</b> N/A times today

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Amar Jain	Golder	Construction Observation/ Sampling & Analysis
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Mike Gipson	GrayMar	Project Manager
Mike Murphy	GrayMar	Foreman
Trisha Cumpton	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
B. Evans	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
D. Barajas	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
Fourteen drivers from Interstate and CAD		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- 14 Trucks from Interstate: Singles and Truck & Trailers





## **2.0 ACTIVITIES:**

- Safety
  - Everyone reminded about full PPE at all times.
  - Use scissors when cutting plastic.
  - Slips trips and falls.
- Work Activities
  - GrayMar continued dross removal operations using singles and truck & trailers.
  - Continued routinely sweeping Sullivan Rd.
  - Worked on south haul road to address mud and deterioration from heavy traffic.
  - Total Haul for the day:
    - Trucks made 69 runs total

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Dross has been sticking in trucks not lined with plastic. Continue to line truck with plastic or spray truck beds with vegibale oil. Gray Mar submitted cost estimate.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted – Site is still wet and there is no visible dust.
- Soil Sampling
  - Processed yesterdays samples for XRF.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-3: 1741.67 tons
- Total to date: 16,638.17 tons

## **7.0 PHOTO LOG**



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 23

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Photo 1. Loading area remains muddy following rainy period yesterday.



Photo 2. South haul out road breach from yesterday. GrayMar addressed condition with road grading ditch.





<b>Date:</b> November 4, 2022		<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Trentwood, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32/26°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 90% Clouds	<b>Precipitation:</b> AM snow

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Mike Gipson	GrayMar	Project Manager
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
Michael Gray	GrayMar	Owner
No drivers		

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross

## 2.0 ACTIVITIES:

- Safety
  - Snow reduced crew watch slips trips and falls
- Work Activities



- GrayMar used dozer to move dross to load out area. .
- Total Haul for the day:
  - No trucks were loaded.

### **3.0 PROBLEMS AND RESOLUTIONS:**

- Snow has made the site slick for trucks and landfill is having issues with dross managing dross.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted – Site is still wet and there is no visible dust.
- Soil Sampling
  - No soil sampling was conducted.

### **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-5: 0.00
- Total to date: 16,730.8 tons

### **7.0 PHOTO LOG**





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 25

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Photo 1. Extending east end of Excavation 7 to collect confirmation samples.



Photo 2. Extending south wall of Excavation 5 for additional confirmation sampling.



<b>Date:</b> November 7, 2022		<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Trentwood, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32/28°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> AM snow

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Mike Gipson	GrayMar	Project Manager
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
Michael Gray	GrayMar	Owner
D. Barajas	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
V Buretta	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
No drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross





## **2.0 ACTIVITIES:**

- Safety
  - Snow reduced crew - watch slips trips and falls
- Work Activities
  - GrayMar used dozer to move dross to load out area.
  - Worked on haul roads.
  - Total Haul for the day:
    - No trucks were loaded.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Snow has made the site slick for trucks and landfill is having issues with managing dross, no hauling today .

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted – Site is still wet and there is no visible dust.
- Soil Sampling
  - No soil sampling was conducted.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-5: 0.00
- Total to date: 16,730.8 tons

## **7.0 PHOTO LOG**



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 26



Photo 1. Snow in general Spokane area and site.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 26



Photo 2. Bulldozer pushing dross to prepare for Tuesday load out.



<b>Date:</b> November 8, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32 / 28 °F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 100% Clouds	<b>Precipitation:</b> AM snow

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Mike Gipson	GrayMar	Project Manager
Mike Murphy	GrayMar	Foreman
Trisha Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
Michael Gray	GrayMar	Owner
D. Barajas	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
V Baretta	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
8 drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross





## **2.0 ACTIVITIES:**

- Safety
  - Snow and winter weather - watch slips trips and falls.
  - Usual PPE still required.
  - Worker lining trucks make sure they don't move with you in the back.
- Work Activities
  - Expanded Excavation 6 on four sides and extended bottom to 6 ft. due to sample results exceeding CULs.
  - GrayMar resumed dross removal.
  - Frozen ground reduced track out on to Sullivan.
  - Total Haul for the day:
    - 34 trucks were loaded.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Reduced number of trucks were available, some companies wanted another day for roads and landfill to dry out. Arrange for more truck tomorrow, arrange for longer hours at the landfill.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not conducted – Site is still wet and there is no visible dust.
- Soil Sampling
  - Confirmation sampling at Excavation 6 – collected 2 side samples at ~ 4 feet bgs. and 2 bottom samples at 6 ft bgs.
  - Collected and processed XRF samples from 4 - 1 ft. deep test pits. XRF results too high to send confirmation samples to the lab

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-7: 987.54
- Total to date: 17,718.34 tons

## **7.0 PHOTO LOG**



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 27



Photo 1. XRF sample location in 1-foot deep excavation.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 27



Photo 2. West end of dross stockpile progress, dross approaching east Pentzer property boundary.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 27



Photo. 3 South haul road thawing out in sun still firm hard pack frozen gravel.





<b>Date:</b> November 9, 2022	<b>On-Site:</b> 0610 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32/20°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 10% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
M. Gray	GrayMar	Owner
J. Bozzuto	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
Thirteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross

**2.0 ACTIVITIES:**

- Safety
  - Cold weather stress on equipment clean tracks.



- Slips trips and falls
- Were all PPE
- Work Activities
  - Resumed Dross removal, GrayMar used dozer to move dross to load out area.
  - Extended Excavation #6 walls 6-feet in all four directions due to failed results and maintained 6-foot depth.
  - Extended Excavation #8 to 6-feet in the bottom, and 6-feet to the west due to failed test results.
  - Total Haul for the day: 61 loads

### **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, dross excavation area and Exc. #8 air monitoring
- Soil Sampling
  - Collected 7 confirmation samples (side wall and bottom) at Exc. #6.
  - Collected 2 bottom confirmation samples from Exc. # 8/9
- Soil Sampling results
  - No results received

### **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-9: 1633.79
- Total to date: 19,352 tons

### **7.0 PHOTO LOG**





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 28



Photo 1. Extending west wall of Excavation #8.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 28



Photo 3. Excavation #8/9 facing northwest 6-feet deep, boulders left in the excavation.





<b>Date:</b> November 10, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32/20°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 10% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
M. Gray	GrayMar	Owner
J. Bozzuto	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
Thirteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross

**2.0 ACTIVITIES:**

- Safety
  - Need to reset safety fencing on some of the excavations.



- Slips trips and falls
- Work Activities
  - Dross removal continued, essentially at Pentzer UPRR property boundary. GrayMar moved the load out area to the east near Pentzer property boundary.
  - Extended Exc #9 to 6-feet in the bottom (except the far east portion due to WSDOT drum).
  - Total Haul for the day: 65 loads
  - UPRR PM visited site
    - Plastic liners for truck bed is ok for a CO, but wait to see if there are other items to submit for a CO.
    - No need to conduct 1-foot excavations on WSDOT if it is not working to reduce volume.

### **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - Collected 7 confirmation samples (side wall and bottom) at Exc. #6.
  - Collected 2 bottom confirmation samples from Exc. # 8/9
- Soil Sampling results
  - Received round 2 results for Exc. #5 and #7. Exc #7 complete, Exc # 5 requires more excavations.

### **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-10: 1633.79
- Total to date: 21,283 tons

### **7.0 PHOTO LOG**





Photo 1. Dross loading area after first truck loading.



Photo 2. Track out on Sullivan prior to sweeping.





<b>Date:</b> November 11, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1530
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32/20°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 10% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
M. Privett	GrayMar	Laborer
Thirteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Loader Deere 624 (2)
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross

**2.0 ACTIVITIES:**

- Safety
  - Wear all PPE driver must stay in truck if they don't have appropriate PPE.



- Make sure light stand has riggers out
- Work Activities
  - Continued dross removal, GrayMar used dozer to move dross to load out area.
  - Surveyed excavation limits for 2-foot excavations on Pentzer and WSDOT, need to revisit 3 to 1 slope and how not to take property from Kemira.
  - Total Haul for the day: 58 loads

### **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, dross excavation area.
- Soil Sampling
  - No Sampling conducted
- Soil Sampling results
  - Exc. #6 red 2 results, west wall sample and two bottom samples from 6 feet pass CUL criteria. North, south and east walls failed CUL criteria.

### **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-11: 1743.59
- Total to date: 23,027 tons

### **7.0 PHOTO LOG**





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 30



Photo 1. Surveyed WSDOT/UPRR property boundary.



<b>Date:</b> November 14, 2022	<b>On-Site:</b> 0555 PDT	<b>Off-Site:</b> PDT 1530
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35/23°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 50% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
A. Hernandez	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
K. Wells	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Twelve drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C (2)
- Loader Deere 624
- Water truck
- 1 Service truck
- Flatbed trailer
- Bulldozer Deere 700L
- Trackhoe Case CX210D
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light tower
- Portable screen, and three track out mats





## 2.0 ACTIVITIES:

- Safety
  - Wear all PPE driver must stay in truck if they don't have appropriate PPE.
  - Be careful climbing in and out of trucks make drive is aware when on or in truck
- Work Activities
  - Continued dross removal, GrayMar used dozer to move dross to load out area.
  - Worked on north wall and bottom of Exc. #8/9 based on XRF results.
  - Sweeping Sullivan as required.
  - Total Haul for the day: 58 loads

## 3.0 PROBLEMS AND RESOLUTIONS:

- No problems encountered today.

## 4.0 SUMMARY OF H&S ISSUES

- There was a reportable injury on site today. One of GrayMar Employee's slipped on truck ladder when grabbing the trucks trap bar that was not attached correctly. When the employ grabbed the bar an put his weight on it it gave way causing the employee to loose his balance. He jumped down to the tongue but his muddy boots caused him to fall to the ground. He lose his hart hat when he hit the ground and his head hit a rock. He was taken to urgent care for head lacerations and received 8 staples.

GrayMar lead called to stop work and shut down the truck loading activities per UPRR incident reporting. Michael Gray notified RMCC, UPRR PM was notified on Weekly status call.

- Mike Gipson and Ted Norton conducted a root cause analysis. Results include:
  - Faulty equipment caused employee to lose their balance while climbing the truck ladder.
  - Track ladder is not meant for personnel to climb in and out of trucks all day.
  - Muddy boots caused employ to slip when he jumped to the trailer tongue and resulted employee falling and hitting their head on a rock after his hard hat came off.
- Resolution
  - GrayMar will not place plastic in truck bed tomorrow.
  - They will pilot test spraying soybean oil in several test truck beds.

## 5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
  - Conducted perimeter, dross excavation area.



■ Soil Sampling

- Collected 4 samples from Exc. # 8/9 north wall for XRF
- One soil sample was collected for lab submittal from Exc. #8/9 north wall
- 

■ Soil Sampling results

- Two 6-foot-deep bottom sample from Exc. 6 and two bottom 6-foot samples from Exc. #8/9 passed CUL criteria.
- One side wall 4-foot-deep sidewall sample from excavation 6 passed CUL criteria, three other 4-foot-deep samples from the north, south, and east walls failed CUL criteria.
- One sample was collected from screened backfill and passed remediation level criteria for use on UPRR.

**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-14: 1761.68
- Total to date: 25,788 tons

**7.0 PHOTO LOG**



Photo 1. Track out on Sullivan road.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 31

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Photo 2. Continued cross removal typical.



<b>Date:</b> November 15, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1720
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35/19°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 90% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ted Norton	Golder	Project Manager
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
C. Bennett	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
T. Cumpston	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Fourteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader Deere 624
- Bulldozer Deere 700L
- Water truck
- 1 Service truck
- Flatbed trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- No trucks for hauling dross





## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
- Work Activities
  - Dross removal continued, essentially at Pentzer UPRR property boundary. Staging area where trucks are loaded moved east toward dross pile. Concrete blocks have been moved to the south out of the way.
  - Extended Excavation #8 to the west approximately 4 feet and to the north approximately 10 feet. Extended Excavation #9 to the north approximately 6 feet.
  - Total Haul for the day: 62 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - Collected 2 sidewall confirmation samples from Exc. # 8 & 9
- Soil Sampling results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling on 11-15: 1784.09
- Total to date: 27,572 tons



**7.0 PHOTO LOG**



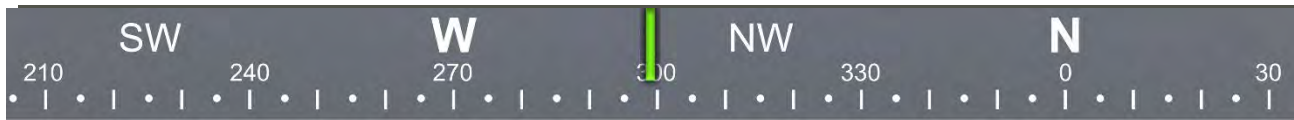
Photo 1: Loading of dross into a haul truck at the dross pile. Steam is observed in this photograph due to the temperature difference between the air and the dross.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 32



☉ 299°NW (T) ☉ 47.676974°N, 117.199792°W ±32ft ▲ 1900ft



Photo 2: Excavation #8 & #9 facing northwest 4-feet deep.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 32



☀ 349°N (T) ● 47.676925°N, 117.199840°W ±203ft ▲ 1915ft



Photo 3: Large boulders continue to be encountered in Excavation #8 & #9. The boulders are rolled and moved to the center of the excavation as shown in the photograph.





<b>Date:</b> November 16, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1715
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35/19°F	<b>Wind:</b> Light
<b>Cloud Cover:</b> 80% Clouds	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
C. Bennett	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Thirteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen



- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
- Work Activities
  - Dross removal continued, essentially at Pentzer UPRR property boundary. Staging area where trucks are loaded moved east toward dross pile. New CAT D9T bulldozer replaced John Deere 700L bulldozer moving material at the top of the dross pile.
  - Extended Excavation #8 to the west approximately 15 feet.
  - Sweeping Sullivan Road as required using Skid Steer with broom attachment and front-end loader using smooth bucket.
  - Total Haul for the day: 68 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - Collected 1 sidewall confirmation sample from Exc. #8.
  - Collected 1 fill confirmation sample from screened fill pile.
- Soil Sampling results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2018.25
- Total to date: 29,590 tons





**7.0 PHOTO LOG**



Photo 1: Loading of dross into haul trucks at the dross pile. Note the new staging area for the excavators.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 33



☉ 305°NW (T) ☉ 47.676992°N, 117.199789°W ±262ft ▲ 2072ft



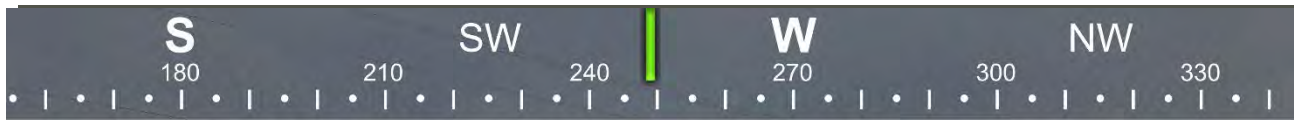
Photo 2: West side wall of excvation #8 facing northwest, 6-feet deep.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 33



☉ 249°W (T) ☉ 47.676710°N, 117.200849°W ±42ft ▲ 1903ft



Photo 3: John Deere 700L bulldozer grading haul road.



<b>Date:</b> November 17, 2022		<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1720
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Trentwood, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35/25°F	<b>Wind:</b> NE 5-10 MPH
<b>Cloud Cover:</b> Partly Cloudy to Sunny	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Brandon Kautzman	Spokane Envi. Services	Drone Survey
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
T. Cumpston	GrayMar	Office Manager
C. Bennett	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
Fifteen drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower





- Portable Screen
- Track-out mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Dross haul trucks are to be given the right of way on the haul roads.
- Work Activities
  - Dross removal continued, now onto UPRR property. Staging area where trucks are loaded moved east toward dross pile. CAT D9T bulldozer and Trackhoe Sany SY365C LC moved material at the top of the dross pile while Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar resumed lining the trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - The drum located at the east wall of excavation #9 was removed and placed on a plastic sheet. Any discolored soil was also removed and placed on the plastic sheet. The Washington Department of Transportation will sample and characterize the drum for disposal.
  - The John Deere 700L bulldozer was used to cut new haul path between the entry and exit haul roads to help facilitate loadout when impacted soils are removed near the excavation sites. It was also used to smooth and grade the staging area near the dross pile.
  - Sweeping Sullivan Road as required using Skid Steer with broom attachment and front-end loader using smooth bucket.
  - Total Haul for the day: 100 loads
  - Spokane Environmental Services conducted a drone survey to estimate the amount of dross removed from the pile and how much remains.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.



## 5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results
  - No results received today

## 6.0 BID ITEMS MEASURED TODAY

- Weigh Ticket Dross Hauling: 2992.77 tons
- Total to date: 32,583 tons

## 7.0 PHOTO LOG



Photo 1: Removal of drum located along the east sidewall of Excavation #9. The drum was removed and placed on plastic sheeting. The Washington Department of Transportation will sample and classify the drum for disposal.





Photo 2: Trackhoes loading haul trucks with dross at the staging area.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 34



☉ 13°N (T) ● 47.677077°N, 117.202302°W ±45ft ▲ 1904ft



Photo 3: John Deere 700L bulldozer grading staging area near cross pile.





<b>Date:</b> November 18, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1650
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 30/15°F	<b>Wind:</b> NW 0-5 MPH
<b>Cloud Cover:</b> Sunny	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
M. Murphy	GrayMar	Foreman
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
E. Snow	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Thirty drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen



- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Dross haul trucks are to be given the right of way on the haul roads.
  - Watch for ice build up on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
- Work Activities
  - Dross removal continued on UPRR property. CAT D9T bulldozer and John Deere 700L bulldozer moved material at the top of the dross pile while Trackhoe Sany SY365C LC, Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Dross material that stuck to the beds of the haul trucks that chose not to use plastic sheeting as a liner was scraped using an excavator and pushed back into the dross pile for future loadout.
  - Sweeping Sullivan Road as required using the Case TR270B skid steer with broom attachment and John Deere 624 front-end loader using smooth bucket.
  - Total Haul for the day: 117 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results





– No results received today

## 6.0 BID ITEMS MEASURED TODAY

- Weigh Ticket Dross Hauling: 3380.82 tons
- Total to date: 35,964 tons

## 7.0 PHOTO LOG

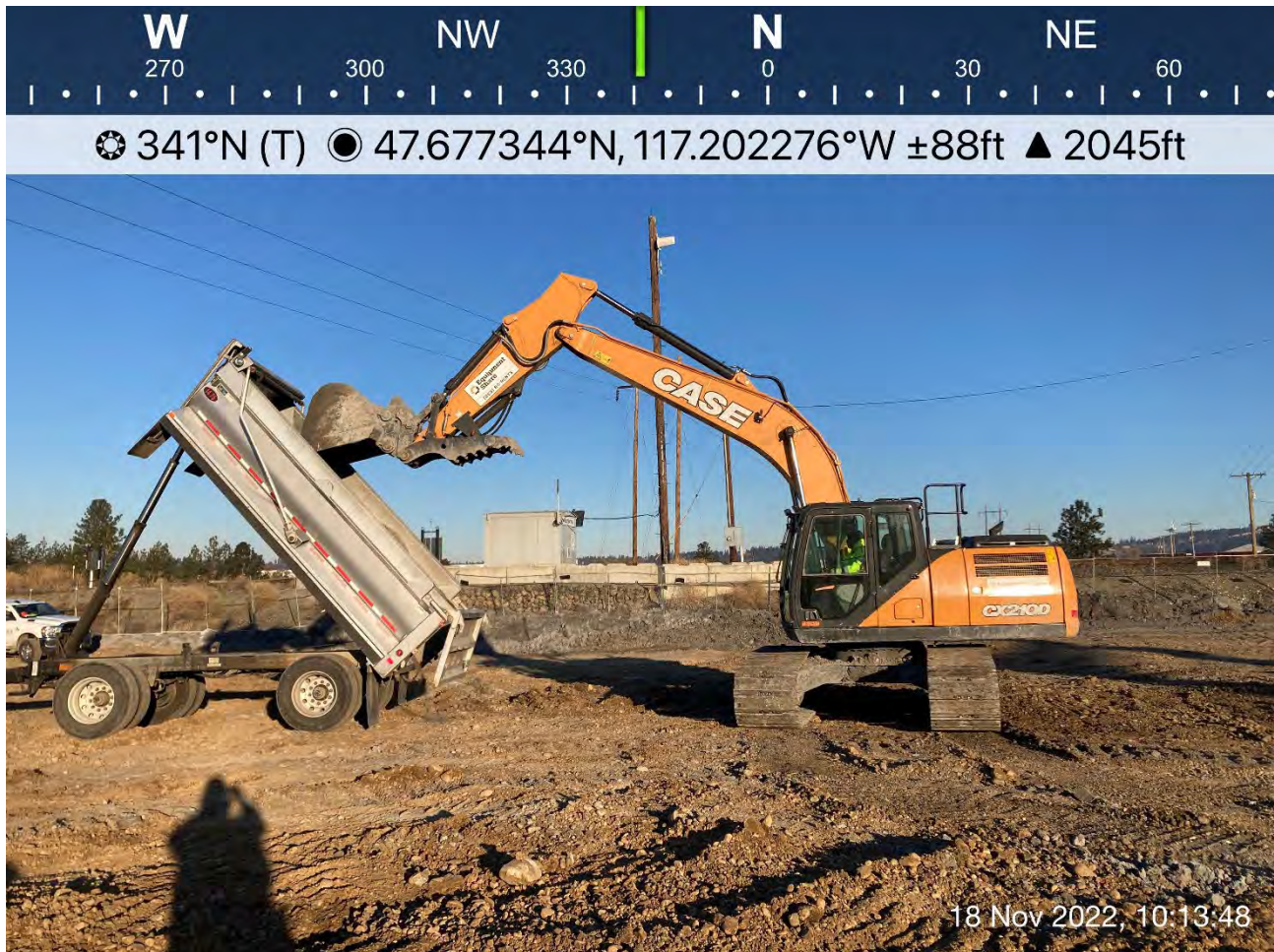


Photo 1: Removal of stuck dross from a haul truck.



**GOLDER**  
MEMBER OF WSP

# DAILY FIELD REPORT # 35



☉ 27°NE (T) ☉ 47.677064°N, 117.202184°W ±13ft ▲ 1977ft



Photo 2: Trackhoes loading haul trucks with cross at the staging area and bulldozers





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 35



☉ 327°NW (T) ☉ 47.677218°N, 117.202329°W ±68ft ▲ 1970ft



Photo 3: Haul truck dumping stuck dross into an existing pile near the staging area.



<b>Date:</b> November 21, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1735
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34/22°F	<b>Wind:</b> NW 0-5 MPH
<b>Cloud Cover:</b> Cloudy to Partly Sunny	<b>Precipitation:</b> NA

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Adelicia Johnson	Golder	Construction Observation/ Sampling & Analysis
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
F. Ortega	GrayMar	Laborer
E. Snow	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Twenty-Seven drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen





- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
- Work Activities
  - Dross removal continued on UPRR property. CAT D9T bulldozer and John Deere 700L bulldozer moved material at the top of the dross pile while Trackhoe Sany SY365C LC, Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar resumed to line haul trucks with plastic sheeting and the process was revised. The contractor is being more deliberate and careful while gaining accessing to line the trucks from the exterior using a wheeled access ladder with plat form and a telescoping pole to place the plastic. Personnel are not allowed to be on the ladder while truck are moving. Three points of contact were stressed in the toolbox safety meeting.
  - Sweeping Sullivan Road as required using the Case TR270B skid steer with broom attachment and John Deere 624 front-end loader using smooth bucket.
  - Total Haul for the day: 116 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- While there was no physical health and safety issue on site today, there was an off-site issue that had the potential to affect onsite personnel. There was an apparent suicide on the railroad bridge to the west of the site. Two police officers showed up to site near the staging area of the dross pile to access the railroad bridge. Phone calls with John DeJong, Ted Norton, and an onsite discussion with Mike Gibson yielded the conclusion that there was no threat to personnel onsite. However, due to the sensitive issue at hand, personnel were encouraged to take a moment if needed to process the event.



**5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results
  - No results received today

**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 3518.28 tons
- Total to date: 39,482 tons

**7.0 PHOTO LOG**







Photo 1: Haul truck lining area with wheeled access ladder and line of cones.



Photo 2: Police squad cars parked in the staging area near the dross pile.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 36



☀ 107°E (T) ● 47.677216°N, 117.200245°W ±16548ft ▲ 1845ft



Photo 3: Laborer using telescoping pole to place plastic sheeting in haul truck trailer.





<b>Date:</b> November 22, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 36/30°F	<b>Wind:</b> SW-SE 0-10 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.25 inch of snow/rain mix in PM

Personnel On Site	Company	Responsibility
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpton	GrayMar	Office Manager
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
Twenty-Five Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)



- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
  - Smaller crew today, not as much support stay focused on task at hand
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Sweeping Sullivan Road as required using the Case TR270B skid steer with broom attachment and John Deere 624 front-end loader using smooth bucket.
  - Total Haul for the day: 106 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results
  - No results received today





**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 3219.61 tons
- Total to date: 42,702 tons

**7.0 PHOTO LOG**

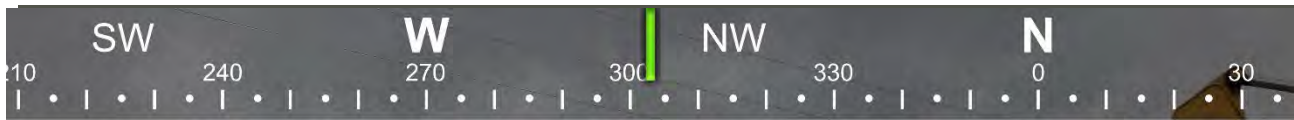


Photo 1: Sany SY215C LC trackhoe loading a haul truck with dross material.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 37



☉ 303°NW (T) ☉ 47.677347°N, 117.202245°W ±22ft ▲ 1959ft



22 Nov 2022, 12:45:28

Photo 2: Laborer using telescoping pole to place plastic sheeting in haul truck trailer.





<b>Date:</b> November 23, 2022	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1200
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 36/29°F	<b>Wind:</b> SW-SE 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
T. Cumpton	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Seven Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen



- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Sweeping Sullivan Road as required using the Case TR270B skid steer with broom attachment and John Deere 624 front-end loader using smooth bucket.
  - Total Haul for the day: 17 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring
- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results
  - No results received today





**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 532.05 tons
- Total to date: 43,234 tons

**7.0 PHOTO LOG**



Photo 1: Case CX210D trackhoe, Sany SY215C LC trackhoe, and CAT D9T moving dross material.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 38



☉ 96°E (T) ● 47.677173°N, 117.201585°W ±16420ft ▲ 1965ft



Photo 2: Pickup truck with fuel caddy refueling Sany 215C LC trackhoe.



<b>Date:</b> November 28, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 27 / 18°F	<b>Wind:</b> NE AM, SW PM 0-10 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.1 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
T. Cumpton	GrayMar	Office Manager
M. Gibson	GrayMar	Project Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
T. Hurst	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Fourteen Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)





- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Trackhoe Sany SY215C and Trackhoe Case CX210D loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Sweeping Sullivan Road as required using the Case TR270B skid steer with broom attachment and John Deere 624 front-end loader using smooth bucket.
  - Disassembling and removing the temporary fencing around the UPRR property along the top of the slope.
  - Total Haul for the day: 28 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross excavation area air monitoring.



- Soil Sampling
  - No soil sampling occurred today
- Soil Sampling results
  - No results received today

**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 779.33 tons
- Total to date: 44,013 tons

**7.0 PHOTO LOG**



Photo 1: Case CX210D trackhoe, Sany SY215C LC trackhoe, and CAT D9T moving dross material.





☀ 88°E (T) 📍 47.677078°N, 117.202033°W ±29ft ▲ 1951ft



Photo 2: Temporary fencing around UPRR disassembled and staged for removal.





<b>Date:</b> November 29, 2022	<b>On-Site:</b> 0615 PDT	<b>Off-Site:</b> PDT 1705
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 25 / 10 °F	<b>Wind:</b> SE 0-10 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.1 IN Snow

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
T. Cumpton	GrayMar	Office Manager
M. Gipson	GrayMar	Project Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
M. Privett	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger



- Light Tower
- Portable Screen
- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
  - Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones.
  - Use hand and power tools as directed and for their intended purpose.
- Work Activities
  - Disassembling and removing the temporary fencing around the UPRR property along the top of the slope near Kimera.
  - Trees marked for removal near the entrance of the dross excavation area were cut down using chainsaws and hand tools. The metal identification tags of each tree cut down were retained.
  - The CAT D9T bulldozer was used to smooth and level the staging and loading area adjacent to the dross excavation area.
  - The John Deere 624 front-end loader was used to move excavated materials from piles located on the west and south sides of Excavations 8 and 9 to the west end of the WSDOT property, near planned Excavation 4.
  - The Sany 215C LC and the Case CX210D trackhoes were used to expand Excavations 5, 6, 8 and 9.
  - Excavation 5 was benched in along the north and east sidewalls to provide access for sampling, and the eastern half of the south sidewall was cut 4-feet deep and approximately one excavator bucket width, or 4-foot wide, and sampled for XRF screening and laboratory confirmation sample.



- The north, east, and south sidewalls of Excavation 6 were each expanded approximately one bucket width, or 4-foot wide, and approximately 4-foot deep. The north, east, and south sidewalls were sampled for XRF screening and laboratory confirmation samples.
- The south and east sidewalls of Excavation 9 were each expanded approximately one bucket width, or 4-foot wide, and approximately 4-foot deep. The east and south sidewalls were sampled for XRF screening and laboratory confirmation samples.
- The south sidewall of Excavation 8 was expanded approximately one bucket width, or 4-foot wide, and approximately 4-foot deep. The eastern half of the south sidewall was sampled for XRF screening and possible confirmation sample(s). The western half of the south sidewall had visible dross down to 4 feet, so no samples were taken.

### **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and excavation area air monitoring
- Soil Sampling
  - One sample from Excavation 5, 3 samples from Excavation 6, and 2 samples from Excavation 9 will be submitted for laboratory analysis.
- Soil Sampling results
  - No results received today

### **6.0 BID ITEMS MEASURED TODAY**

- No bid items were measured today





**7.0 PHOTO LOG**

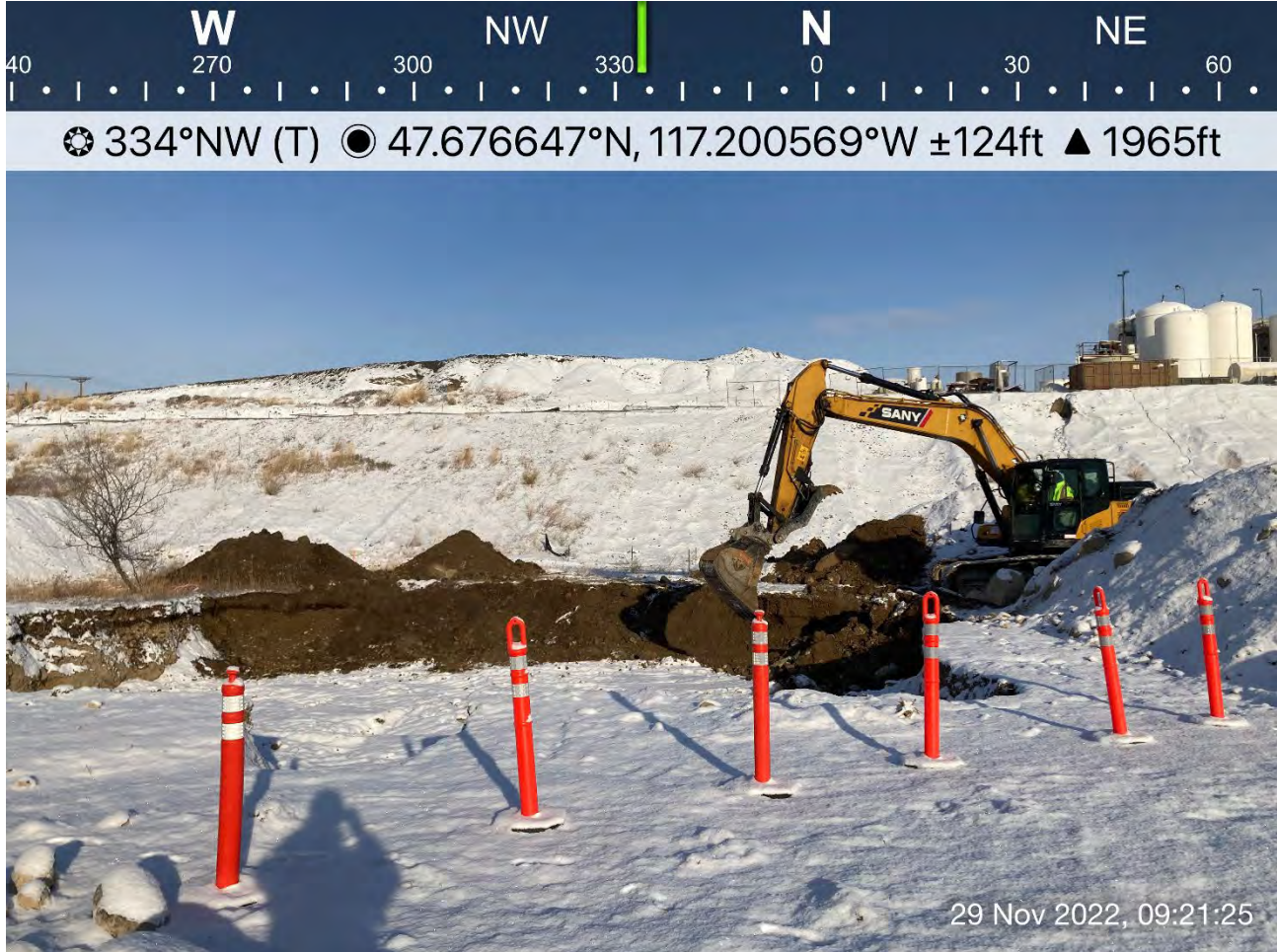


Photo 1: SANY 215C LC trackhoe expanding the east sidewall of Excavation 6.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 40



☀ 26°NE (T) ● 47.676889°N, 117.200810°W ±262ft ▲ 1937ft



29 Nov 2022, 09:31:31

Photo 2: John Deere 624 front-end loader moving excavated material from the pile located west of Excavations 8 & 9 to a location near planned Excavation 4.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 40



☀ 72°E (T)    ● 47.676802°N, 117.198675°W ±16ft    ▲ 1943ft



Photo 3: GrayMar work truck and flatbed trailer hauling disassembled temporary fencing pieces to office trailer area.





<b>Date:</b> November 30, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1545
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35 / 25 °F	<b>Wind:</b> SW 5-15 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 4.0 IN Snow

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)



- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
  - Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones.
  - Avoid traversing steep hills with vehicles and on foot.
- Work Activities
  - The Sany 215C LC, John Deere 700L bulldozer, CAT D9T bulldozer, and John Deere 624 front-end loader were used to move excavated materials from piles located south of Excavation 6 and on the west and south sides of Excavations 8 and 9 to the west end of the WSDOT property, near planned Excavation 4.
  - The Case CX210D trackhoe was used to expand Excavations 8 and 9.
  - A small, approximately 20-foot long, portion of the western side of the south sidewall of Excavation 9 was expanded approximately one bucket width, or 4-foot wide, and approximately 4-foot deep.
  - The south and west sidewall of Excavation 8 were expanded today. The south sidewall was attempted to be expanded approximately one bucket width, or 4-foot wide, but due to surface frost, the actual width of the expansion varied from 4-feet to 6-feet. The depth of the expansion was approximately 4-foot deep. Due to visible dross, no samples were taken, and the sidewall will need to be expanded further. The west sidewall was again attempted to be expanded approximately one bucket width, or 4-foot, but the actual width of the expansion varied from 4-feet to 6-feet. The west sidewall has visible dross past 4-feet, so the wall was expanded to a depth of 6-feet. Due to the visible dross, no samples were taken, and the wall will need to be expanded further.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.



## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and excavation area air monitoring
- Soil Sampling
  - No samples were taken today
- Soil Sampling results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- No bid items were measured today

## **7.0 PHOTO LOG**





**GOLDER**  
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# DAILY FIELD REPORT # 41



☉ 274°W (T) ● 47.676953°N, 117.199431°W ±111ft ▲ 1994ft



Photo 1: SANY 215C LC trackhoe expanding the south sidewall of Excavation 8.



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## DAILY FIELD REPORT # 41



☉ 81°E (T) ● 47.677038°N, 117.200438°W ±32ft ▲ 1941ft



Photo 2: John Deere 700L bulldozer moving excavated material from the pile located west of Excavations 8 & 9 to a location near planned Excavation 4.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 41



☉ 193°S (T) ● 47.677164°N, 117.200423°W ±42ft ▲ 1951ft



Photo 3: John Deere 624 front-end loader moving excavated material from the pile located west of Excavations 8 & 9 to a location near planned Excavation 4.





<b>Date:</b> December 01, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1535
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35 / 15 °F	<b>Wind:</b> SW 5-15 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)



- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow covered rocks.
  - Watch for ice buildup on truck and equipment ladders, use salt and/or de-icer to mitigate if issue occurs.
  - Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones.
  - Avoid traversing steep hills with vehicles and on foot.
- Work Activities
  - The Sany 215C LC, John Deere 700L bulldozer, CAT D9T bulldozer, and John Deere 624 front-end loader were used to move excavated materials from piles located south of Excavation 6 and on the west and south sides of Excavations 8 and 9 to the west end of the WSDOT property, near planned Excavation 4.
  - The John Deere 700L bulldozer was used to push dross material from the backside of the dross pile to the haul truck staging and loading area.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and excavated materials transfer air monitoring
- Soil Sampling
  - No samples were taken today
- Soil Sampling results
  - No results received today



**6.0 BID ITEMS MEASURED TODAY**

- No bid items were measured today

**7.0 PHOTO LOG**



Photo 1: View of temporary storage pile located near the planned Excavation 4.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 42



☉ 358°N (T) ☉ 47.676563°N, 117.199901°W ±75ft ▲ 1877ft



Photo 2: Sany 215C LC and CASE 210D trackhoes moving material excavated from Excavations 8 and 9 to the temporary storage pile near planned Excavation 4.



<b>Date:</b> December 02, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1605
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 26 / 13 °F	<b>Wind:</b> NW 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)
- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)



- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow covered rocks.
  - Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones.
- Work Activities
  - The Sany 215C LC trackhoe, Case CX210D trackhoe, John Deere 700L bulldozer, CAT D9T bulldozer, and John Deere 624 front-end loader were used to move excavated materials from piles located north of excavation 5, south of Excavation 6 and on the west and south sides of Excavations 8 and 9 to the west end of the WSDOT property, near planned Excavation 4.
  - The John Deere 700L bulldozer was used to push dross material from the backside of the dross pile to the haul truck staging and loading area.
  - The Sany 215C LC trackhoe, Case CX210D trackhoe, and the CAT D9T bulldozer were used to move boulders piled to the south of Excavations 8 and 9 into Excavations 8 and 9.
  - The Sany 215C LC trackhoe and Case CX210D were used to expand the north, west, and south walls of Excavation 8, and the south wall of Excavation 9. One sample from Excavation 9 will be submitted for laboratory testing.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and excavated materials transfer air monitoring
- Soil Sampling
  - One soil sample was collected from Excavation 9 today
- Soil Sampling results





– Six Soil Sampling results for Excavations 5, 6 and 9 were received today

## 6.0 BID ITEMS MEASURED TODAY

- No bid items were measured today

## 7.0 PHOTO LOG



Photo 1: CAT D9T bulldozer moving excavated materials from pile near Excavations 8 and 9 to a temporary storage pile near planned Excavation 4.



**GOLDER**  
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## DAILY FIELD REPORT # 43



☉ 246°SW (T) ☉ 47.676978°N, 117.199520°W ±167ft ▲ 1956ft



Photo 2: Sany 215C LC and CASE 210D trackhoes expanding the south and west walls of Excavation 8 and the south wall of Excavation 9.





<b>Date:</b> December 05, 2022		<b>On-Site:</b> 0550 PDT	<b>Off-Site:</b> PDT 1710
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project			
<b>Location:</b> Trentwood, WA		<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad		<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 25 / 15 °F	<b>Wind:</b> SW 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

Personnel On Site	Company	Responsibility
Ansel Chesney	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
James Roman	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
Eleven Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer (x2)





- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)
- No trucks for hauling dross

## **2.0 ACTIVITIES:**

- Safety
  - Wear proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Slips, trips, and falls due to ice and snow covered rocks.
  - Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer and the John Deere 700L bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and the Case CX210D Trackhoe loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket.
  - John Deere 624 front-end loader used to transfer excavated storage materials located near the west end of Excavation 8 to a temporary storage pile located near planned Excavation 4.
  - Total Haul for the day: 50 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring



- Conducted perimeter, and dross area excavation air monitoring
- Soil Sampling
  - No soil samples collected today
- Soil Sampling results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1407.97 tons
- Total to date: 45,421 tons

## **7.0 PHOTO LOG**



**GOLDER**  
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# DAILY FIELD REPORT # 43



☀ 353°N (T) ● 47.676923°N, 117.197806°W ±334ft ▲ 1964ft



Photo 1: John Deere 624 front-end loader transferring excavated materials from piles located near the west side of Excavation 8 to a temporary storage pile near planned Excavation 4.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 43



☉ 106°E (T) ☉ 47.676898°N, 117.199451°W ±16420ft ▲ 1965ft



Photo 2: Sany 365C LC trackhoe loading a dross haul truck at the dross excavation staging area.



<b>Date:</b> December 06, 2022	<b>On-Site:</b> 0535 PDT	<b>Off-Site:</b> PDT 1710
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 30 °F / 24 °F	<b>Wind:</b> SW 0-3 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
10 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water truck
- 1 Service truck
- Flatbed trailer



- Skid Steer Case TR270B w/broom, bucket, & auger
- Light Tower
- Portable Screen
- Track-out mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site traffic: Make eye contact with operators, check for incoming/outgoing haul trucks, and ensure equipment is stationary prior to entering excavations or swing zones
  - Vehicle Safety: 3-points of contact to be maintained when climbing onto equipment and other climbing instances.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, warm layers.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and the Case CX210D trackhoe loaded trucks.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes onsite and Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket.
  - John Deere 624 front-end loader and Sany SY215C Trackhoe used to transfer excavated storage materials located near the west end of Excavation 8 to a temporary storage pile located near planned Excavation 4.
  - Total Haul for the day: 50 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted perimeter, and dross area excavation air monitoring





■ Soil Sampling

- Seven samples collected for XRF analysis
  - Two samples collected from EX-5
    - EX-5-WW-120622 collected from western wall
    - EX-5-SEW-120622 collected from southeastern wall
  - Three samples collected from EX-6
    - EX-6-WSW-120622 collected from west-side of southern wall
    - EX-6-WNW-120622 collected from west-side of northern wall
    - EX-6-NEW-120622 collected from north-side of eastern wall
  - Two samples collected from EX-7
    - EX-7-NW-120622 collected from northern wall
    - EX-7-SW-120622 collected from southern wall

■ Soil Sampling results

- No results received today

**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1356.86 tons
- Total to date: 46,778 tons



**7.0 PHOTO LOG**



Photograph 1: Dross Stockpile during morning perimeter air monitoring



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## DAILY FIELD REPORT # 45



Photograph 2: Dross Stockpile during mid-day dross stockpile air monitoring



Photograph 3: Haul Truck Bed Lining





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 45



Photograph 4: End of Day at the Dross Stockpile



<b>Date:</b> December 07, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32 °F / 22 °F	<b>Wind:</b> NNW 0-3 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpton	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
14 Truck Drivers		

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
  - New 2,000-gallon water truck replaced previous one onsite
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Light Tower
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Discuss best staging areas and loading procedures again with truckers, check use radios and horns to communicate regularly, and ensure equipment is stationary prior to entering excavations or swing zones.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer and John Deere 700L bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes onsite and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - John Deere 624 front-end loader and Sany SY215C Trackhoe used to transfer excavated storage materials located near the west end of Excavation 8 to a temporary storage pile located near planned Excavation 4.
  - Total Haul for the day: 61 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring





■ Soil Sampling

- Five samples collected for XRF analysis and lab submission from Excavation 6
  - EX-6-WSW collected from the western south wall
  - EX-6-WNW collected from the western north wall
  - EX-6-SWW collected from the southern west wall
  - EX-6-NEW collected from the northern east wall
  - EX-6-B-2 collected at the excavated bottom
- Two QA/QC samples prepared for lab submission
  - DUP-5 prepared from the EX-6-SWW sample
  - RB-5 prepared
- Nine total soil samples submitted to Pace Analytical
  - The five Excavation 6 samples listed above
  - The two QA/QC samples listed above
  - EX-5-WW-120622 collected from the western wall of Excavation 5 on 12/06
  - EX-9-S3-4-120222 collected from Excavation 9 on 12/02

■ Soil Sample Results

- No results received today

**6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1740.40 tons
- Total to date: 48,518 tons



**7.0 PHOTO LOG**



Photograph 1: Trackhoe Sany SY215C and Loader John Deere 624 moving excavated material from piles located near the west side of Excavation 8 to a temporary storage pile near planned Excavation 4.



Photograph 2a: Silt fence pushed down on western side of the site near trail, presumably by trail users.



Photograph 2b: Attempted silt fence repair near trail at western edge of the site.





Photograph 3a: Relatively newer location where silt fence appears to be pushed down by people going to/from trail at western edge of the site.



Photograph 3b: Silt fence repair at second location near trail at western edge of the site.



Photograph 4: Excavation and loading activities during mid-day cross stockpile air monitoring



Photograph 5: End of day at the cross stockpile





<b>Date:</b> December 08, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 24 °F	<b>Wind:</b> NNW 1–5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> <0.1 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
13 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower





- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Make eye contact with operators and ensure equipment is stationary prior to entering excavations or swing zones. Maintain 3-points of contact when climbing.
  - Vehicle Safety: Wear seatbelts, Maintain 3-points of contact when climbing
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer and John Deere 700L bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes onsite and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - John Deere 624 front-end loader and Sany SY215C Trackhoe started the westward expansion of Excavation 8. Excavated material moved to a temporary storage pile located near planned Excavation 4.
  - UP came on site to advise on excavation and notification procedures for excavation activities at northern edge of dross stockpile near railroad tracks and equipment shed with rock retaining wall.
    - UP said we would be OK to take out temporary fence and scrape material near fence line, which is approximately 25 feet from the tracks, back into the main dross stockpile. UP said we do not need flaggers or UP personnel on site for these activities, but that we should notify UP again when we begin excavation activities near the northern UP fence line.
  - Total Haul for the day: 56 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring
  
- Soil Sampling
  - Two samples collected for XRF analysis and lab submission from Excavation 8
    - EX-8-S3-2-120822 collected from southern end of west wall
    - EX-8-S6-120822 collected from middle of west wall
  
- Soil Sample Results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1,561.05 tons
- Total to date: 50,079 tons



**7.0 PHOTO LOG**



Photograph 1: Front end loader places dry dirt on slopes of haul truck routes to minimize slipping





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 47



Photograph 2: Heavy equipment staging at the dross stockpile for excavation and hauling activities



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 47



Photograph 3: Next iteration of west wall expansion of Excavation 8. Visual dross material observed approximately two feet below ground surface towards the northern end of the west wall (shown) and in a separate section towards the southern end of the west wall (not shown).





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 47



Photograph 4: End of day at the dross stockpile area.





<b>Date:</b> December 09, 2022	<b>On-Site:</b> 0645 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 33 °F / 29 °F	<b>Wind:</b> S 0-7 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/ Sampling & Analysis
Andrew Guglielmo	Golder	Construction Observation/ Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
12 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Vehicle Safety: Drive slowly. Maintain 3-points of contact when climbing into and out of trucks.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer and John Deere 700L bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes onsite and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - John Deere 624 front-end loader and Sany SY215C Trackhoe started the southward expansion of Excavation 8. Dross still visible 3-4 feet below ground surface at southern and western extents of Excavation 8. Excavated material moved to a temporary storage pile located near planned Excavation 4.
    - This week's expansion at the western end of Excavation 8 was approximately 16' west x 14' north-to-south x 4' deep/bgs, in order to follow most western extent of dross lens (~4 ft bgs) in west wall (see Photograph 3).
    - This week's expansion at the southern end of Excavation 8 was approximately 20' south x 15' west-to-east x 6' deep/bgs, in order to follow most eastern extent of dross lenses (~3 feet bgs) in south wall (see Photographs 4 and 5).
  - Total Haul for the day: 58 loads

## **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



- Conducted perimeter and dross area excavation air monitoring
  
- Soil Sampling
  - No soil samples collected today
  
- Soil Sample Results
  - No results received today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1,684.18
- Total to date: 51,763 tons

## **7.0 PHOTO LOG**



Photograph 1: Dross stockpile excavation activities.





Photograph 2: Beginning of Excavation 8 southern expansion with visible cross layer below trackhoe.



Photograph 3: Southern expansion of Excavation 8 at its southeastern extent at the end of 12/9/2022. Expanded approximately 20'x15'x6' with visible cross still approximately 3 ft bgs at southern wall.





Photograph 4: Western expansion of Excavation 8 at its northwestern extent at the end of 12/9/2022.



Photograph 5: Western expansion of Excavation 8 at its northwestern extent at the end of 12/9/2022. Expanded approximately 16'x14'x4' with visible cross still present at western wall.



<b>Date:</b> December 12, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 33 °F / 19 °F	<b>Wind:</b> N 1–4 MPH
<b>Cloud Cover:</b> Partly Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/Sampling & Analysis
Amar Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpton	GrayMar	Office Manager
E. Snow	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
13 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower





- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Give haul trucks right-of-way onsite. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces. Plan route to destination; take driest path available.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - Cleaning the trackout control mats at the site exit using the John Deere 624 front-end loader to pick out material.
  - UPRR and Ecology on site for an AM site walk.
  - WSDOT came on site to sign manifest for the removal of the 55-gallon drums from Excavation 9.
  - Total Haul for the day: 49 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring.
- Soil Sampling
  - No soil samples collected today.
- Soil Sample Results
  - No results received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1,546.38 tons
- Total to date: 53,309 tons



**7.0 PHOTO LOG**



Photograph 1: Dross stockpile excavation activities.





Photograph 2a: Silt fence pushed down on western side of the site near trail, presumably by trail users.



Photograph 2b: Attempted silt fence repair near trail at western edge of the site.





Photograph 3a: Top of the dross stockpile behind the trackhoe excavators and haul truck loading area.



Photograph 3b: Top of the dross stockpile on the eastern side of the UPRR property.



<b>Date:</b> December 13, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 31 °F / 27 °F	<b>Wind:</b> N 0–2 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> <0.1 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/Sampling & Analysis
Amar Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
18 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower
- Track-out Mat (x3)





## **2.0 ACTIVITIES:**

### ■ Safety

- Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces. Plan route to destination; take driest path available.
- Site Traffic: Give haul trucks right-of-way. Begin breaking/stopping early to give vehicles behind you additional time to slow down. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
- Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.

### ■ Work Activities

- Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
- GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
- Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
- The Sany SY215C trackhoe continued southward expansion of southeast corner of Excavation 8 an additional 12' south x 15' wide x 6' deep approximately, following visible dross (See Photograph 2).
- Total Haul for the day: 89 loads

## **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
  - Conducted perimeter air monitoring.
- Soil Sampling
  - No soil samples collected today.
- Soil Sample Results
  - No results received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2,649.96 tons
- Total to date: 55,959 tons



**7.0 PHOTO LOG**



Photograph 1a: Lining haul truck beds with plastic sheeting using a wheeled access ladder.



Photograph 1b: Placing plastic sheeting with a telescoping pole.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 50



Photograph 2: Continuing southward expansion of southeast corner of Excavation 8, following visible dross.



<b>Date:</b> December 14, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32 °F / 22 °F	<b>Wind:</b> N 0–2 MPH
<b>Cloud Cover:</b> Partly Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/Sampling & Analysis
Amar Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
15 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

### ■ Safety

- Site Traffic: Give haul trucks right-of-way onsite. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
- Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces. Plan route to destination; take driest path available.

### ■ Work Activities

- Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
- GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
- Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
- The Sany SY215C trackhoe moved the stockpiled material removed from Excavation 8 closer to the east/northeast corner of Excavation 6 to continue the southward expansion of Excavation 8.
- Total Haul for the day: 76 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring.
- Soil Sampling
  - No soil samples collected today.
- Soil Sample Results
  - No results received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2,201.27 tons
- Total to date: 58,160 tons

## **7.0 PHOTO LOG**



Photograph 1: Dross stockpile excavation and loading activities



<b>Date:</b> December 15, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 18 °F / 28 °F	<b>Wind:</b> NNW 2–3 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/Sampling & Analysis
Amar Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
T. Cumpston	GrayMar	Office Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
18 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Give haul trucks right-of-way onsite. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces. Plan route to destination; take driest path available.
  - Proper procedures and training: Make sure the crew is up to date with equipment and property-specific trainings before proceeding with any work on site.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - The Sany SY215C trackhoe expanded the eastern south wall and northern west wall of Excavation 5 and expanded the northern west wall of Excavation 6, so additional soil samples could be collected. The Sany SY215C trackhoe then continued with the southward expansion of the southern wall of Excavation 8.
  - Spokane Environmental Services on site to take drone survey of current dross stockpile and off-pile area stockpiles.
  - Total Haul for the day: 88 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring.
  
- Soil Sampling
  - Two samples collected for XRF analysis and lab submission from Excavation 5
    - EX-5-ESW-121522 collected from eastern south wall
    - EX-5-NWW-121522 collected from northern west wall
  - One sample collected for XRF analysis and lab submission from Excavation 6
    - EX-6-NEW-121522 collected from northern east wall
  - Five total soil samples submitted to Pace Analytical
    - The two Excavation 5 samples listed above
    - The one Excavation 6 sample listed above
    - Two Excavation 8 samples previously collected on 12/08
      - EX-8-S3-2-120822 collected from the southern west wall
      - EX-8-S6-120822 collected from the western wall
  
- Soil Sample Results
  - No results received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2,596.55 tons
- Total to date: 60,756 tons



**7.0 PHOTO LOG**



Photograph 1a: Partial expansion of eastern south wall of Excavation 5.



Photograph 1b: Finished expansion of eastern south wall of Excavation 5.





Photograph 2a: Beginning of expansion of northern west wall of Excavation 5.



Photograph 2b: Finished expansion of northern west wall of Excavation 5.





Photograph 3: Expansion of northern east wall of Excavation 6.



Photograph 4: Dross stockpile excavation activities.



<b>Date:</b> December 16, 2022	<b>On-Site:</b> 0545 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 15 °F / 24 °F	<b>Wind:</b> NW 2–3 MPH
<b>Cloud Cover:</b> Fog/Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site</b>	<b>Company</b>	<b>Responsibility</b>
James Roman	Golder	Construction Observation/Sampling & Analysis
Amar Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
21 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Give haul trucks right-of-way onsite. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Initially, the John Deere 700L bulldozer, John Deere 624 front-end loader, and Case TR270B skid steer were used to create a new ramp that will lead haul trucks onto a more southern route to the dross stockpile so the southward expansion of Excavation 8 can continue following dross farther to the south.
  - Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - Sany SY215C Trackhoe started the southward expansion of Excavation 8. Dross still visible 3-4 feet below ground surface at southern and western extents of Excavation 8. Excavated material moved to a temporary storage pile located east of Excavation 6.
  - Total Haul for the day: 103 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring.
- Soil Sampling
  - No soil samples were collected today.
- Soil Sample Results
  - No results were received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 3,149.63 tons
- Total to date: 63,906 tons

## **7.0 PHOTO LOG**



Photograph 1: Off-Pile area.



Photograph 2: Trackhoe Sany SY365C LC and Trackhoe Case CX210D at the cross stockpile.



Photograph 3a: New ramp for more southern route to the dross stockpile for the continuing southward expansion of Excavation 8.



Photograph 3b: New ramp for more southern route to the dross stockpile for the continuing southward expansion of Excavation 8.





<b>Date:</b> December 19, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 15 °F / 24 °F	<b>Wind:</b> NW 2–3 MPH
<b>Cloud Cover:</b> Fog/Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Construction Observation/Sampling & Analysis
A. Jain	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
B. Villanueva	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
24 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer



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

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic: Give haul trucks right-of-way onsite. Keep entrances and exits clear of equipment and debris. Make eye contact with operators. Ensure equipment is stationary prior to entering excavations or swing zones.
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Dross removal continued on UPRR property. The CAT D9T bulldozer moved material at the top of the dross pile while the Sany SY365C LC trackhoe and Case CX210D trackhoe loaded haul trucks. The John Deere 700L bulldozer was on standby to regularly clear and regrade the haul truck loading platforms at the base of the dross stockpile.
  - GrayMar continued to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Initially, the John Deere 700L bulldozer, John Deere 624 front-end loader, and Case TR270B skid steer were used to create a new ramp that will lead haul trucks onto a more southern route to the dross stockpile so the southward expansion of Excavation 8 can continue following dross farther to the south.
  - Scraping the truck routes on site and Sullivan Road as required using the John Deere 624 front-end loader equipped with smooth bucket and/or the Case TR270B skid steer equipped with broom.
  - Sany SY215C Trackhoe started the southward expansion of Excavation 8. Dross still visible 3-4 feet below ground surface at southern and western extents of Excavation 8. Excavated material moved to a temporary storage pile located east of Excavation 6.
  - Total Haul for the day: 121 loads

## **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
  - Conducted perimeter and dross area excavation air monitoring.
  
- Soil Sampling
  - Two samples collected for XRF analysis and lab submission from Excavation 8
    - EX-8-SW-121922 collected ~25 feet east of EX 7 on south wall 3 to 4 feet bgs.
    - EX-8- SEW-121922 collected ~50 feet from EX 7 on south wall 3 to 4 feet bgs.
    - Rationale for these sample is to limit excavation before we have to excavate truck in road access.
  
- Soil Sample Results
  - No results were received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 3,642.01 tons
- Total to date: 67,548 tons





**7.0 PHOTO LOG**



Photograph 1: Dross excavation on west wall of Ex 8, note proximity to EX 7 - fenced area on left side of photograph.





Photograph 2: Dross located along west wall of Ex 8, north of Ex 7.



<b>Date:</b> December 20, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 12 °F / 20 °F	<b>Wind:</b> NW 2–3 MPH
<b>Cloud Cover:</b> Fog/Cloudy	<b>Precipitation:</b> 8.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A. Jain	Golder	Construction Observation/Sampling & Analysis
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
B. Villanueva	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
No Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck





- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Light Tower
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Chain Saw, make sure you establish a good solid stance in snow before starting chainsaw.
  - Use proper lifting techniques while taking down temporary fencing
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Heavy snow and colds temperatures. No dross was hauled off site. However, the D9T CAT bulldozer moved material from the east portion of the dross stockpile west for staging to load trucks.
  - Scraping the truck routes on site using the John Deere 624 front-end loader equipped with smooth bucket.
  - Disassembled temporary fencing and placed it next to job site trailer.
  - Measured excavations on WSDOT property.
  - Total Haul for the day: 0 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Heavy snow, cold temperature and no trucks available for hauling. 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
  - Conducted perimeter and dross area excavation air monitoring.
- Soil Sampling
  - On sample was collected for XRF analysis and lab submission from Excavation 8
    - EX-8-wW-122022 collected ~25 feet east of EX 7 on west wall 3 feet bgs.
    - Rationale for this sample - attempted to sample below dross layer to limit depth of excavation along west wall of Ex 8.
- Soil Sample Results
  - Received results from five samples.
    - EX-8-S3-2-120822 - Arsenic 13.6 mg/kg all other COCs below CULs.
    - EX-8-S6-120822 - All COCs below CULs.
    - EX-6-NEW-121522 - Arsenic 14.7 mg/kg all other COCs below CULs.
    - EX-5-ESW-121522 – Al – 23,100 mg/kg and Ba 171 mg/kg all other COCs below CULs.
    - EX-5-NEW-121522 - Arsenic 10.8 mg/kg all other COCs below CULs.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 67,548 tons



**7.0 PHOTO LOG**



Photograph 1: Snow on site.





<b>Date:</b> December 27, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 46 °F / 37 °F	<b>Wind:</b> NW 0–11 MPH
<b>Cloud Cover:</b> Fog/Cloudy	<b>Precipitation:</b> 1.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
18 Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Rain and warmer temperatures cause significant snow melt and has created sloppy/muddy conditions. Conditions are not impacting Contractor.
  - Removing dross from dross stockpile adjacent railroad.
  - Total Haul for the day: 53 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Warm temperatures have melted snow, additional rain has created slick roadways. Contractor has salted to reduce ice.
- Track out due to muddy conditions, contractor installed track out mats.
- Gates on 2 trucks broke resulting in spilled material from the dross stockpile in the roadway. Mike shut the job down, CT is driving the route to the landfill to assess leakage from trucks.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required. Rainey conditions.
- Soil Sampling
  - Not required, no excavation outside dross stockpile.
- Soil Sample Results
  - NA

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 1671.96 tons
- Total to date: 69,213 tons



**7.0 PHOTO LOG**



Photograph 1: Staging area for dross loading.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 56

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Photograph 2: Material track out on Sullivan.



<b>Date:</b> December 28, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 40 °F / 37 °F	<b>Wind:</b> NW 0–5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> .25 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
17 Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Conditions were dryer today and Contractor was able to work on removing dross from the stockpile all day.
  - GrayMar rehabbed track out pads.
  - Total Haul for the day: 81 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Warm temperatures have melted snow, additional rain has created slick roadways.
- Track out due to muddy conditions. Increase sweeping
- UP has expressed opinion that making use of test pits could make excavation of target excavations more efficient. Contractor will excavation test pits later in the week. Contractor does not want to do test pits when it causes them to stop bid item work.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required.
- Soil Sampling
  - Not required, no excavation outside dross stockpile.
- Soil Sample Results
  - Received results from five samples.

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 81 tons
- Total to date: 71,733.59 tons





**7.0 PHOTO LOG**



Photograph 1: Trackout mats after sweeping.



Photograph 2: Dross pile progress, east of loadout area.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 57

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Photograph 3: Loading dross.





Photograph 4: Inbound haul road conditions icy, wet and muddy.



<b>Date:</b> December 29, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 40 °F / 37 °F	<b>Wind:</b> NW 0–5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> .25 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
B. Villanueva	GrayMar	Laborer
E. Snow	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
14 Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Personnel can wear muck boots if they have steel toes.
  - The loader was moved during the night by a trespasser – make sure to lock all doors on equipment.
- Work Activities
  - GrayMar continued dross removal operations until 10:00 am. .
  - Placed stockpiled target excavation soils from between Excavations 6 and 8 on UPRR sloped area.
  - Measured area of target excavations 5, 6,7 and 8/9, estimated neat volume of excavated soil 6,655 yd<sup>3</sup>. GrayMar estimated 6,519 neat yd<sup>3</sup> yesterday.
  - Total Haul for the day: 23 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Landfill scale went down at approximately 10:00 am. GrayMar called off trucking and stopped loading out dross.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required.
- Soil Sampling
  - Not required, no excavation outside dross stockpile.
- Soil Sample Results
  - No results today

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 730.3 tons





■ Total to date: 72,463.89 tons

## 7.0 PHOTO LOG



Photograph 1. Loader staging screened off property soil for loading and transporting to Pentzer property, in preparation for backfilling on UPRR property.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 58



Photograph 2. Placing off-property excavated soil from WSDOT onto UPRR sloped industrial area.



<b>Date:</b> December 30, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35 °F / 28 °F	<b>Wind:</b> NW 0–1 MPH
<b>Cloud Cover:</b> 50%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
B. Villanueva	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
No Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)





## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces. Watch for other trip hazards, especially for T-posts that were covered up after excavation and could be an impalement hazard.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Began spreading excavated material on UP property.
  - Hauled screened excavated material to top of property by dross pile.
  - Total Dross Haul for the day: 0 loads
  - Total screen soil haul for the day: 17 loads @ 19 yd<sup>3</sup>

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Track out due to muddy conditions, contractor installed track out material.
- Golder and UP were concerned with Graymar over excavating at the dross pile and have requested survey be done to figure out how much dross is left to remove, and to provide a guide for Graymar so they do not continue to over excavate.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required. Clear and wet.
- Soil Sampling
  - Two samples were taken at NE corner of Excavation 6 where GrayMar was directed to continue with over excavating where there was visible dross.
- Soil Sample Results
  - None Received

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 67,548 tons



**7.0 PHOTO LOG**

Photograph 1: Over excavation/Sample Location at Excavation 6



Photograph 1: Over excavation/Sample Location at Excavation 6



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 59

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Photograph 2: Northwest wall of target Excavation 6 XRF sample location





<b>Date:</b> January 03, 2023	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 33 °F / 23 °F	<b>Wind:</b> NW 0–1 MPH
<b>Cloud Cover:</b> 75%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
B. Villanueva	GrayMar	Laborer
K. Weeks	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
17 Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer



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

## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
- Work Activities
  - Began spreading excavated material on UP property.
  - Hauled screened excavated material to top of property by dross pile.
  - Removing dross from dross stockpile adjacent railroad.
  - Total Dross Haul for the day: 89 loads
  - Relocate stockpiled target excavation soil and staged on Pentzer property west of dross area for UPRR backfill: 17 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Trackout due to muddy conditions, contractor installed trackout material.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.



## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required. Clear, humid, no wind.
- Soil Sampling
  - Not required, no excavation outside dross stockpile.
- Soil Sample Results
  - None Received

## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2899.79 tons
- Total to date: 74815 tons

## **7.0 PHOTO LOG**



Photograph 1. Dross pile loading area muddy after full day of loading.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 60



Photograph 2. Placing stockpile between Excavations 6 and 8 on UPRR slope.



<b>Date:</b> January 04, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 39 °F / 28 °F	<b>Wind:</b> NW 5–10 MPH
<b>Cloud Cover:</b> 60%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
15 Truck Drivers		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Impalement: Lots of T-posts that are partially covered around the excavation at pit 9. Requires situation awareness when walking near areas that had fencing covered. Caps on impalement hazards would be good also.
- Work Activities
  - Removing dross from dross stockpile.
  - Excavated 12 test pits near excavations 8 and 9.
  - Total Dross Haul for the day: 89 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Total dross removal quantities per contract are 77,727, today they will exceed that and, there is a significant amount of dross left. Ted, Allison and Mike assessed the dross pile to see how much dross was left to remove. GrayMar dug a test pit near the east side of the pile, to see the depth of dross before finding native material. The dross is roughly 12' deep.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required. Clear, wet and no rain.
- Soil Sampling
  - 12 soil samples were collected from around excavations 6, 8 and 9 for XRF.
- Soil Sample Results
  - None Received





## **6.0 BID ITEMS MEASURED TODAY**

- Weigh Ticket Dross Hauling: 2912.81
- Total to date: 77,727 tons – 1,028 tons over line item

## **7.0 PHOTO LOG**



Photograph 1: Test pit on east end of dross stockpile 12 to 13 feet deep, goes below what is grade on adjacent Kemira property.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 61

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Photograph 2: Roadway @ Dross Pile



Photograph 3: Remaining stockpile of off property soils to be relocated.



<b>Date:</b> January 05, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 40 °F / 32 °F	<b>Wind:</b> NW 10 MPH
<b>Cloud Cover:</b> 60%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
1 Truck driver (on site trucking)		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Sany SY365C LC
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Water Truck
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen





- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Human machine interface. Lots of equipment moving on/off the roadway on different operations. Lots of foot traffic today to observe the dross pile.
- Drone Flight
  - Spokane Environmental was onsite and performed site assessment utilizing a drone. They have said they will provide a Tiff file to pull into ArcGis as well. They were onsite for about an hour.
- Work Activities
  - Removed 18" of soil from the slope on east end of UPRR #2 area north of excavation 9 to sample.
  - Pushed excavated material up the slope onto UP property.
  - Hauled excavated material from off property soils stockpile to top of hill by dross pile.
  - Total Dross Haul for the day: 0 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar has exceeded their dross removal quantities and need a change order. During the week, they will need to decide if they want to demob equipment or, keep it onsite. Michael is concerned if they take the equipment off rent it will not be available when the need it next week. Gray mar reduced project staff by two due to reduction in work.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required. Clear, soil is wet, not dust present.
- Soil Sampling
  - Processed 9 samples collected yesterday for XRF and sent them to the lab. (placed on hold 1/6/23)
- Soil Sample Results



- XRF results show the area between Excavation 6 and Excavation 8 are marginal but no cross lense is present.
  - None Received

## **6.0 BID ITEMS MEASURED TODAY**

- No bid unit priced bid items today.

## **7.0 PHOTO LOG**

Photograph 1: Progress on Stockpiles.





<b>Date:</b> January 06, 2022	<b>On-Site:</b> 0700 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 38°F / 32 °F	<b>Wind:</b> NW 5 MPH
<b>Cloud Cover:</b> 60%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)

**2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.





- Human machine interface. Lots of equipment moving on/off the roadway on different operations. Lots of foot traffic today to observe the dross pile.
- Work Activities
  - Removed water truck and larger trackhoe from site.
  - Excavated visible dross at west wall of excavation 8 and southwest corner to remove sample location with copper over twice the CUL. .
  - Relocated stockpiled material from lower WSDOT property to UPRR sloped area and Pentzer stockpile area.
  - Placed posts for gate at entrance, concrete truck onsite at approximately 10:00 am.
  - SES conducted drone survey yesterday – Results receive today estimate 8,168 yards of dross remain.
  - Total Dross Haul for the day: 0 loads

### **3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar has exceeded their dross removal quantities and need additional budget to proceed with dross removal. GrayMar was notified that UPRR has provided approximately an additional \$600,000 for dross removal through the deletion of ESO 1.14 and reallocated it to ESO 1.10.
- Auger was not able to drill hole for fencing, had to use excavator due to big rocks.

### **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

### **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Not required, damp, humid air.
- Soil Sampling
  - No soil sampling conducted
- Soil Sample Results
  - None Received

### **6.0 BID ITEMS MEASURED TODAY**

- Posts installed for access gate installation.



**7.0 PHOTO LOG**



Photograph 1. Relocation of off-property soil stockpile to Pentzer property stockpile area preparing for backfill on UPRR



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 63

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Photograph 2. Auger to install entrance gate on N. Sullivan.





Photograph 3. Visible dross lens on west wall of Excavation 9, start of 2-foot deep excavation will remove this material.



<b>Date:</b> January 09, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34°F / 29 °F	<b>Wind:</b> NW 5 MPH
<b>Cloud Cover:</b> 80%	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	Golder	Orientation/ Construction Observation
A Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
M. Privett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin

## 1.0 EQUIPMENT ON SITE:

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)

## 2.0 ACTIVITIES:

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.



■ Work Activities

- Continued excavation of visible dross at west wall of excavation 8 and started soil removal in 2 foot deep between target excavations 6 and 8 north of excavation 7.
- GrayMar used bulldozer to push dross onto UPRR sloped area.
- Total Dross Haul for the day: 0 loads

**3.0 PROBLEMS AND RESOLUTIONS:**

- Continue dross removal on west end of excavation 8. Golder supervised GrayMar excavation of 2-foot deep excavation area between excavations 6 and 8. Golder was present to watch excavation and direct GrayMar to remove additional soil when visible dross was present.

**4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

**5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Collected readings, all measurement were within limits.
- Soil Sampling
  - Collected two samples from 1/5/23 excavation on the east end of UPRR-2 area to establish a “clean” soil area for Kemeria stormwater discharge.
- Soil Sample Results
  - None Received

**6.0 BID ITEMS MEASURED TODAY**

- Directed Contractor on removals at west wall at excavation 8 and 2-foot excavation between excavation 6 and 8.
- Measured perimeter of 2 foot excavation to estimate volume.
- Staging dross for continued removal, push dross from east end to west loading area for trucks tomorrow.





**7.0 PHOTO LOG**



Photograph 1. Dross stockpile looking east toward Kemira



<b>Date:</b> January 10, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 40°F / 33 °F	<b>Wind:</b> NW 10 MPH
<b>Cloud Cover:</b> 10% - Fog in AM	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
T. Norton	WSP	Orientation/ Construction Observation
J. Roman	WSP	Construction Observation/Sampling & Analysis
A. Zimmerman	WSP	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 6		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Human machine interface. Lots of equipment moving on/off the roadway on different operations. Lots of foot traffic today to observe the dross pile.
  - Change in traffic pattern for trucks hauling dross.
- Work Activities
  - Excavated visible dross at west wall of excavation 8 at Golder's direction continued excavation of 2-foot deep area between excavations 6 and 8. Stopped twice to move stockpiled excavation materials to toe of sloped area with trackhoe.
  - Pushed dross from west side of stockpile to loading area, close to grade in southwest portion of footprint.
  - Continued dross removal from stockpile area - total dross haul for the day: 30 loads

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Still chasing dross at excavation 8. Contractor directed to continue with 2' removals in yellow zone. Golder was present to watch excavation and direct them to remove dross below 2 feet when present.
- Resumed dross removal operations.

## **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 activity today
- Soil Sample Results
  - None Received





## 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 30 loads.
- Weigh Ticket Dross Hauling: 967.39
- Total to date: 78,695.20 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 5,949.49 tons

## 7.0 PHOTO LOG



Photograph 1. Dross stockpile area looking west from southeast corner on Kemira.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 65



Photograph 2. Dross stockpile area looking northwest from southeast corner on Kemira.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 65



Photograph 3. 2-foot excavation area between excavations 6 and 8, orange fence in the foreground marks excavation 7.





<b>Date:</b> January 11, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1900
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 37°F / 33 °F	<b>Wind:</b> NW 10 MPH
<b>Cloud Cover:</b> 50% - Fog in AM	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	WSP	Construction Observation/Sampling & Analysis
A Zimmerman	WSP	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 8		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Human machine interface. Lots of equipment moving on/off the roadway on different operations. Lots of foot traffic today to observe the dross pile.
- Work Activities
  - Excavated at top of slope along Kemira roadway. Started this work late in the day which resulted in late finish. Removed 2' per plan. Spots where dross was deeper, we did not chase them.
  - Pushed dross in place and hauled out.
  - Dross removal continued from stockpile area.
  - Removed dross west of excavation 8. Contractor continued with 2' removals in yellow zone between excavations 6 and 8, Golder was present to watch excavation and direct contractor to excavate deeper when visible dross present.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Dross removal along the top of slope south of Kemira facility is deeper than what it appear in rills. Dross removed approximately 3 feet south of concrete pad down to 3 to 4 feet deep.
- Excavation dross to be replaced by off property fill.

## **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
- Soil Sample Results
  - None Received

### 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 43 loads.
- Weigh Ticket Dross Hauling: 1,354.60
- Total to date: 80,049.80 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 4,594.89 tons

### 7.0 PHOTO LOG



Photograph 1. Dross removal from slope below Kemira





Photograph 2. Depth of dross adjacent (south) of Kemira concrete pad.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 66



Photograph 3: Extent of dross next to Kemira concrete pad.



<b>Date:</b> January 12, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 40 °F	<b>Wind:</b> NW 0 MPH
<b>Cloud Cover:</b> 50% - Fog in AM	<b>Precipitation:</b> 0.5 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 8		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)





## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - During dross excavation on Kemira facility watch for Kemira workers and facility traffic and working on and next to slope beware of changing conditions.
- Work Activities
  - Pushed dross to loadout area on stockpile and hauled off dross.
  - Began grading on east end of former stockpile area near facility.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues 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
  - Collected two samples bottom of excavation at top of Slope adjacent concrete pad at Kemira plant.
- Soil Sample Results
  - Received results for two samples collected at east end of UPRR 2 (sloped area) UPRR-2-38 and UPRR-2-39. UPRR-2-39 slightly exceed CULs for aluminum and copper, will have to conduct additional excavation to support stormwater discharge corridor for Kemira facility.

## **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 51 loads.
- Weigh Ticket Dross Hauling: 1,559.41
- Total to date: 81,168.88 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 3,475.80 tons. (Corrected based on invoice review)



**7.0 PHOTO LOG**



Photograph 1: Dross removal progress looking east approaching grade .



<b>Date:</b> January 13, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32F / 39 °F	<b>Wind:</b> NW 4 MPH
<b>Cloud Cover:</b> 90%	<b>Precipitation:</b> 0.25 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Sampling & Analysis
A Zimmerman	Golder	Construction Observation
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 7		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)





## **2.0 ACTIVITIES:**

- Safety
  - Slips, Trips, and Falls: Walk slowly and deliberately, especially on ice and snow surfaces.
  - Proper PPE: Hi-Vis, steel toe boots, gloves, safety glasses, hard hat, and warm layers.
  - Human machine interface. Lots of equipment moving on/off the roadway on different operations. Lots of foot traffic today to observe the dross pile.
- Work Activities
  - Pushed dross in place and hauled out at stockpile. Have begun grading at back of pile near facility.
  - Total Dross Haul for the day: 54 loads, 1,655.78 TON

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Continued rain is making compaction difficult. Further compaction will be conducted when appropriate.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Raining, no testing.
- Soil Sampling
  - None
- Soil Sample Results
  - None

## **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 54 loads.
- Weigh Ticket Dross Hauling: 1,655.78
- Total to date: 82,824.66 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 1,820 tons.



## 7.0 PHOTO LOG



Photograph 1: Dross removal progress.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 68



Photograph 2: Fill area next to Kemira top of slope excavation needs additional fill. It was hard to get compaction as it has been so wet.





<b>Date:</b> January 16, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 42 °F	<b>Wind:</b> S/SSE 6-8 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.03 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Zimmerman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
M. Gray	GrayMar	President
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 8		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe Sany SY215C (leaking; taken off site on 1/16/2023)
- Trackhoe LinkBelt 210x4 (Photograph 3)
- Trackhoe Case CX210D
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger



- Portable Screen
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Muddy and wet surfaces: the rain last night left mud and water on surfaces. Be cautious traveling around site in muddy and slippery conditions.
  - Traffic on site: there are lots of haul trucks, work trucks, and heavy mobile equipment traveling around site. Use caution when traveling around site.
- Work Activities
  - Stockpiled dross to loadout area on UPRR property and hauled dross material offsite (Photograph 1).
  - Continued grading on east end of former stockpile area near Kemira facility (Photograph 2).
  - Power washed John Deere 700L and CAT D9T bulldozers.
  - Stockpiled material at base of slope on WSDOT from excavations 5-9 (Photograph 4). Site walk with Michael Gray and Mike Gibson

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues 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 today.
- Soil Sample Results
  - Received results for two samples collected at on UPRR; near the southwest corner of the Kemira facility UP1-K01 and UP1-K02. Both samples exceed CULs for various constituents of concern; neither sample exceeds remediation levels for the constituents of concern.



## 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 43 loads.
- Weigh Ticket Dross Hauling: 1,355.91 tons
- Total to date: 84,180.57 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 464.11 tons

## 7.0 PHOTO LOG



Photograph 1: Stockpile of excavated dross and haul truck loading area on UPRR property.





Photograph 2: Grading on east end of former stockpile area near Kemira facility.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 69



Photograph 3: Replacement trackhoe (LinkBelt 210x4) brought to site on 1/16/2023.





Photograph 4. Stockpiled material at base of slope on WSDOT from excavations 5 through 9.





<b>Date:</b> January 17, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 39 °F	<b>Wind:</b> SSW at 5-10 MPH
<b>Cloud Cover:</b> 90-100% cloud cover	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
J. DeJong	UPRR	Project Manager
M. Gray	GrayMar	President
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 3		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C (Photograph 1)
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D9T
- Roller DYNAPAC CA2500D (Photograph 2)
- Articulated Hauler Volvo A45G (Photograph 3)
- Service Truck



- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen

Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Muddy and wet surfaces: surfaces are still muddy and wet. Be cautious traveling around site in muddy and slippery conditions.
  - Site access and the public: Make sure to lock everything on site when you leave for the day.
- Work Activities
  - Site walk with J. DeJong, M. Gray and M. Gibson
  - Stockpiled dross to loadout area on UPRR property and hauled dross material offsite.
  - Continued grading on east end of former stockpile area near Kemira facility.
  - Stockpiled material at base of slope on WSDOT from excavations 5-9 (Photograph 4). Continue digging excavation 6 on WSDOT (Photograph 5).
  - Began hauling material excavated from WSDOT to stockpile on Pentzer.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No issues 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 taken today.
- Soil Sample Results
  - Received analytical results for two samples collected from top of slope on Kemira facility after dross removal. Both samples met remediation level criteria.



## 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 14 loads.
- Weigh Ticket Dross Hauling: 446.64
- Total to date: 84,630.41 tons – (original volume est. 76,699 tons)
- Amended dross volume 84,644.68 tons, remaining volume to be removed 14.27 tons

## 7.0 PHOTO LOG



Photograph 1: Mini trackhoe (CASE CX57C) brought to site.





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MEMBER OF WSP

## DAILY FIELD REPORT # 70



Photograph 2: Roller (DYNAPAC CA2500D) brought to site.



Photograph 3: Articulated haul truck (Volvo A45G) used to haul excavated WSDOT material to Pentzer stockpiles and to haul dross to load out area.





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MEMBER OF WSP

## DAILY FIELD REPORT # 70



Photograph 4: Excavated WSDOT material stockpiled at base of slope on UPRR.





Photograph 5: Continue of excavation 6 to chase dross visible in the excavation on the east wall.



<b>Date:</b> January 18, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 33 °F / 42 °F	<b>Wind:</b> S/SSE at 3-13 MPH
<b>Cloud Cover:</b> cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
M. Gray	GrayMar	President
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 3		

**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 D9T
- Roller DYNAPAC CA2500D
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger



- Portable Screen
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Slope stability – be cautious around excavations and stockpiles of material. Material could be unstable and potentially slough, slide, or fall from disturbance during construction activities.
  - Site traffic – haul trucks coming and going on site hauling backfill material. Trucks will be dumping material in different locations on site. Be alert and aware of this new activity happening on site.
- Work Activities
  - Stockpiled dross to loadout area on UPRR property.
  - Continued grading on east end of former stockpile area near Kemira facility.
  - Begin backfilling excavations 5 and 7 with clean backfill from approved offsite source. Backfilling excavations in 1-ft lifts and compacting with back of trackhoe bucket until able to safely access backfill lifts with the roller to then compact with roller (at least 4 passes with roller).

## **3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar essentially reached task budget for ESO 1.10 Dross Removal yesterday. UP provided additional budget for removal of approximately 3,293.3 tons of additional dross. Total budget for dross removal supports removal of approximately 87,937.99 ton of dross.
- GrayMar began backfilling excavations 5 and 7 by placing backfill without lifts or compaction. Golder pointed out the specifications that say, “place backfill in maximum 12-inch-thick loose lifts and compact with at least 4 passes of a smooth drum vibratory roller.” Golder requested that GrayMar place fill as outlined in the specification. Additionally, Golder requested that GrayMar spread boulders out into a singular boulder layer and place fill around boulders so that there are no void spaces in the backfill. GrayMar felt it unsafe to get the roller into the excavations until the subgrade is brought up to a depth of 2-4ft and all of the boulders were covered. Golder and GrayMar agreed on using the excavator bucket to place backfill and then compact the backfill in 12-inch-thick loose lifts with the back of the excavator bucket until the subgrade reaches a depth GrayMar feels safe bringing the roller into the excavation.

## **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 taken today.
- Soil Sample Results
  - No results were received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 0 loads.
- Total to date: 84,630 tons – (original volume est. 76,699 tons)
- Amended dross volume 87,937.99 tons (post LCCE increase), remaining volume able to be removed 3,307.59 tons
- Time moving boulders: 3 hours
- Loads of backfill brought to site: 58
- Volume of backfill brought to site: 1025.12 tons



**7.0 PHOTO LOG**



Photograph 1: UPRR property with dross stockpiled in loadout area.





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## DAILY FIELD REPORT # 71



Photograph 2: Excavation 5 backfilled and rolled with DYNAPAC CA2500D up to 2ft depth.





**GOLDER**  
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## DAILY FIELD REPORT # 71



Photograph 3: Excavation 7 being backfilled in 1-ft loose lifts and compacted with back of excavator bucket.



<b>Date:</b> January 19, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 27 °F / 33 °F	<b>Wind:</b> S/SSW at 3-18 MPH
<b>Cloud Cover:</b> foggy and mostly cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 9		

**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 D9T
- Roller DYNAPAC CA2500D
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Track-out Mat (x3)

## 2.0 ACTIVITIES:

- Safety
  - Weather – colder weather than previous days is expected. Dress warmly and take breaks as needed.
  - Simultaneous activities – Conditions on site are continuously changed with simultaneous operations going on. Be alert and aware when working in and around simultaneous operations.
  - New tasks – Golder staff will be taking samples on UPRR. We have not done this task in a few days. Be cautious starting new tasks and changing from one task to another.
- Work Activities
  - Stockpiled dross to loadout area on UPRR property and haul dross offsite.
  - Temporary sediment and erosion control placed west side of project area. (Photograph 1).
  - Utility Plus on site to survey underground utilities on Pentzer.
  - Continue excavating excavation 6 on WSDOT and anomaly dross visible on east wall of excavation 6.
  - Continue backfilling excavation 7 with clean backfill from approved offsite source. Backfilling excavations in 1-ft lifts and compacting with back of trackhoe bucket until able to safely access backfill lifts with the roller to then compact with roller (at least 4 passes with roller) (Photograph 2 and 3).

## 3.0 PROBLEMS AND RESOLUTIONS:

- During morning site walk Golder (K. DaPolito) and GrayMar (M. Gipson) observed a tree (tree #830 from Arborist Report) on UPRR in the proposed ecological cap area. Tree to be removed as excavation, grading, and placement of ecological cap will disrupt the tree's critical root and tree protection zone. (Photograph 4)
- Utility Plus located an unknown underground line on Pentzer. Without confirming with Golder, GrayMar excavated down to 6ft below ground surface (bgs) to look for the line. No underground line was discovered between 0 and 6 ft bgs. GrayMar backfilled up to 4ft bgs with excavated material for safety reasons. (Photograph 5)
- Utility Plus located Avista's mapped underground line on Pentzer. GrayMar excavated down to 6ft bgs to look for this line. No underground line was discovered up to 6ft bgs. GrayMar backfilled up to 4ft bgs with excavated material for safety reasons. (Photograph 6)





#### **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
  - Collected SO-2494-UP1-24-011923 for XRF analysis and laboratory submission.
- Soil Sample Results
  - No results were received today.

#### **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 43 loads.
- Weigh Ticket Dross Hauling: 1,325.57
- Dross total to date: 85,964.98 tons – (original volume est. 76,699 tons)
- Amended dross volume 87,937.99 tons, remaining volume to be removed 1,973.01 tons
- Time moving boulders: 3 hours
- Loads of backfill brought to site: 48
- Volume of backfill brought to site: 835.09 tons
- Backfill total to date: 1860.21 tons (yesterday and today)



**7.0 PHOTO LOG**



Photograph 1: Temporary sediment and erosion control placed on west side of project area.





Photograph 2: Placement of backfill between boulders in WSDOT excavations.





Photograph 3: Placement of backfill on WSDOT property.





Photograph 4: Tree (#830 from Arborist Report) on UPRR property in area of proposed placement of ecological cap.





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## DAILY FIELD REPORT # 72



Photograph 5: Excavation down to 6ft bgs at unknown underground utility location.





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## DAILY FIELD REPORT # 72



Photograph 6. Excavation down to 6ft bgs at Avista's underground utility location.



<b>Date:</b> January 20, 2022	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 24 °F / 31 °F	<b>Wind:</b> SE and N at 0-7 MPH
<b>Cloud Cover:</b> cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks:		

**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 D9T
- Roller DYNAPAC CA2500D
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Simultaneous activities – Conditions on site are continuously changed with simultaneous operations going on. Be alert and aware when working in and around simultaneous operations.
  - Site Traffic – haul trucks traveling on and off site, GrayMar equipment traveling around site, and Golder staff sampling on UPRR property. Be alert and aware of simultaneous operations and people and vehicles traveling in and out of work area.
- Work Activities
  - Haul and stockpile material excavated from excavations 7, 8, and 9 on WSDOT away from backfilling operation area.
  - Continue backfilling excavation 7, 8, and 9 with clean backfill from approved offsite source. Backfilling excavations in 1-ft lifts and compacting with back of trackhoe bucket until able to safely access backfill lifts with the roller to then compact with roller (at least 4 passes with roller).
  - Begin removing topsoil from Pentzer property and WSDOT property.
  - Haul and stockpile vegetation and topsoil from WSDOT property to loadout area on UPRR property.

## **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
  - Collected reads, all samples within limits.
- Soil Sampling
  - Collected four soil samples for XRF analysis and laboratory submission:
    - SO-2494-UP1-04-012023
    - SO-2494-UP1-06-012023





- SO-2494-UP1-13-012023
- SO-2494-UP1-39-012023

■ Soil Sample Results

- No results were received today.

## 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0
- Total to date: 85,964.98tons – (original volume est. 76,699 tons)
- Amended dross volume 87,937.99 tons, remaining volume to be removed 1,973.01 tons
- Time moving boulders: 0 hours
- Loads of backfill brought to site: 50
- Volume of backfill brought to site: 874.90 tons
- Backfill total to date: 2,735.11 tons

## 7.0 PHOTO LOG



Photograph 1: Erosion control set at site boundary on Parks property.



**GOLDER**  
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## DAILY FIELD REPORT # 73

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Photograph 2: View of former dross area looking east at Kemira facility.



<b>Date:</b> January 23, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 26 °F / 35 °F	<b>Wind:</b> SE and SW at 0-5 MPH
<b>Cloud Cover:</b> cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
K. DaPolito	Golder	Construction Observation/Sampling & Analysis
A. Chesney	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck VolvoA45G
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)





## **2.0 ACTIVITIES:**

- Safety
  - Site Conditions – Conditions on site likely changed over the weekend. Be aware as activities start to resume.
  - Colder Weather – Weather is colder than previous weeks and snow is on the ground. Mind footing, wear proper warm PPE like hats and gloves, and take warm-up breaks when applicable.
  
- Work Activities
  - Continue backfilling excavation 7, 8, and 9 with clean backfill from approved offsite source. Backfilling excavations in 1-ft lifts and compacting with back of trackhoe bucket until able to safely access backfill lifts with the roller to then compact with roller (at least 4 passes with roller).
  - Continue removing topsoil and vegetation from Pentzer property and WSDOT property.
  - Haul and stockpile vegetation and topsoil from WSDOT property to loadout area on UPRR property.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Vegetation was removed from a portion of the Washington State Department of Parks & Recreation Property without the presence of an archeologist today. Golder advised that the vegetation removal was incorrectly taking place along the Parks & Recreation property rather than on the Pentzer property. Once GrayMar came to understand delineation of the property boundary and determined that vegetation removal was on Parks & Recreation property work was stopped. GrayMar was advised to stop handling all materials removed from the Parks & Recreation property. There are two piles staged on the Pentzer property containing materials from the Parks & Recreation property, and two piles next to the remaining dross pile. The piles will not be handled until an archeologist is present.

## **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



- Seven soil samples were collected on the UPRR property for XRF and laboratory analysis:
  - SO-2494-UP1-09-012323
  - SO-2494-UP1-10-012323 + SO-2494-DUP-7-012323
  - SO-2494-UP1-19-012323
  - SO-2494-UP1-30-012323
  - SO-2494-UP1-34-012323
  - SO-2494-UP1-37-012323
- Seven soil samples were submitted to the laboratory:
  - SO-2494-UP1-06-011923
  - SO-2494-UP1-13-012023
  - SO-2494-UP1-24-012023
  - SO-2494-UP1-09-012323
  - SO-2494-UP1-10-012323 + SO-2494-DUP-7-012323
  - SO-2494-UP1-34-012323

■ Soil Sample Results

- No results were received today.

## 6.0 BID ITEMS MEASURED TODAY

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0
- Total to date: 85,964.98tons – (original volume est. 76,699 tons)
- Amended dross volume 87,937.99 tons, remaining volume to be removed 1,973.01 tons
- Time moving boulders: 0 hours
- Loads of backfill brought to site: 56
- Volume of backfill brought to site: 987.96 tons
- Backfill total to date: 3,723.07 tons



**7.0 PHOTO LOG**



Photograph 1: Backfilled target excavation area on WSDOT property.





Photograph 2: Collection of confirmation sample for UPRR-2 at randomly selected grid centroid.





Photograph 3: Disturbed area on Parks property.



<b>Date:</b> January 24, 2022	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 30 °F / 35 °F	<b>Wind:</b> NW and SW at 0-5 MPH
<b>Cloud Cover:</b> cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Chesney	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 6		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger





- Portable Screen
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Conditions – Conditions on site are muddy and wet due to the freeze/thaw temperature swings. Be aware of footing and avoid steep hills.
  - Colder Weather – Temperatures are hovering around freezing, wear proper warm PPE such as hats and gloves, and take warm-up breaks when applicable.
  - Site Traffic – Site traffic will be increased today due to haul trucks. Look both ways before crossing travel areas and, if needed, make eye contact with drivers and operators before coming close to trucks and equipment.
  
- Work Activities
  - Dross removal on UPRR property. The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar lined haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping the road using the Case TR270B skid steer with broom attachment.
  - Continue removing topsoil and vegetation form Pentzer property and WSDOT property.
  - Haul and stockpile vegetation and topsoil from WSDOT property to loadout area on UPRR property.
  - Transfer previously excavated materials to the main stockpile near the area of planned Excavation 3 (Photograph 1).

## **3.0 PROBLEMS AND RESOLUTIONS:**

- A pit lined with a sub grade stone wall and a sidewalk were encountered on the Pentzer property while vegetation was being cleared (Photograph 2). The pit is approximately 4-foot deep and approximately 25 feet long by 15 feet wide. It is filled with trash such as a tire, plastic oil containers, and general rubbish. The sidewalk goes around the stone wall and goes toward the BPA powerlines. The pit and the sidewalk will remain undisturbed unless otherwise directed.



#### **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.
  - Due to colder temperatures, the dust monitoring unit was malfunctioning, and the mid-day and afternoon readings were not able to be taken.
- Soil Sampling
  - Nine soil samples were collected for XRF and laboratory analysis:
    - Pentzer Property, 1-ft test pits in proposed 2-ft excavation area
      - SO-2494-P1-01-012423
      - SO-2494-P1-27-012423
      - SO-2494-P1-47-012423
    - WSDOT Property, compliance unit sampling
      - SO-2494-W1-23-012423
      - SO-2494-W1-45-012423
    - WSDOT Property, 2-ft excavations that followed visible dross down to 4 ft bgs between EX-6 and EX-8
      - SO-2494-W1-4.0-01B-012423
      - SO-2494-W1-4.0-02W-012423
      - SO-2494-W1-4.0-03B-012423
      - SO-2494-W1-4.0-04W-012423
  - Five soil samples were submitted to the laboratory:
    - SO-2494-UP1-04-012323
    - SO-2494-UP1-19-012323
    - SO-2494-UP1-30-012323
    - SO-2494-UP1-37-012323
    - SO-2494-UP1-39-012323
- Soil Sample Results
  - No results were received today.



**6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 37 loads.
- Weigh Ticket Dross Hauling: 1101.57 tons
- Total to date: 87,066.55 tons – (original volume est. 76,699 tons)
- Amended dross volume 87,937.99 tons, remaining volume to be removed: 871.44 tons
- Time moving boulders: 0 hours
- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons

**7.0 PHOTO LOG**







Photograph 1: Transferring excavated materials south of Excavation 6 to the staging area near planned Excavation 3.



Photograph 2: Garbage pit discovered while clearing brush and vegetation on the Pentzer property. The pit will remain undisturbed unless directed otherwise.



<b>Date:</b> January 25, 2022	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1635
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 30 °F / 35 °F	<b>Wind:</b> SW at 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Chesney	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Trucks: 5		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer



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

## **2.0 ACTIVITIES:**

- Safety
  - Site Traffic – Site traffic will again be increased due to haul trucks and backfill trucks. Look both ways before crossing travel areas and, if needed, make eye contact with drivers and operators before coming close to trucks and equipment.
  - Site Conditions – Conditions on site are still muddy and wet due to the freeze/thaw temperature cycle. Be aware of footing and avoid steep hills and haul routes.
  - Colder Weather – Temperatures are hovering around freezing, wear proper warm PPE such as hats and gloves, and take warm-up breaks when applicable.
- Work Activities
  - Dross removal continued on UPRR property (Photograph 2). The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar lined haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping the road using the Case TR270B skid steer with broom attachment.
  - Continue removing topsoil and vegetation form Pentzer property and WSDOT property.
  - Haul and stockpile vegetation and topsoil from WSDOT property to loadout area on UPRR property (Photograph 1).
  - Transfer previously excavated materials to the main stockpile near the area of planned Excavation 3.
  - Plateau Archeological Investigations inspected the disturbed area on the Washington Parks & Recreation property, and determined that there were no objects of significance, giving permission to place the vegetation and topsoil removed from the area with the dross material for future off-site removal.

## **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 today.
- Soil Sample Results
  - No results were received today.

#### **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 25 loads.
- Weigh Ticket Dross Hauling: 802.62 tons
- Total to date: 87,860.17 tons, (trued up with invoices) – (original volume est. 76,699 tons)
- Amended dross volume 88,526 tons (1/28/23) , remaining volume to be removed: 666.08 tons
- Time moving boulders: 0 hours
- Loads of backfill brought to site: 51
- Volume of backfill brought to site: 967.71 tons
- Backfill total to date: 4,690.78 tons



**7.0 PHOTO LOG**

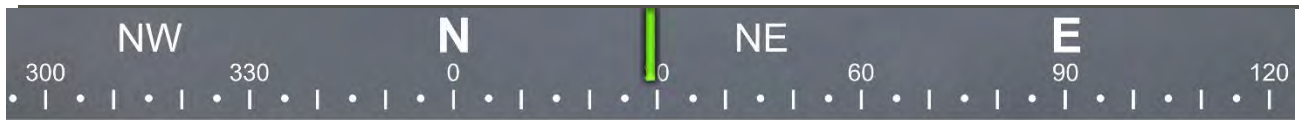


Photograph 1: Transferring excavated vegetation and topsoil to the dross stock pile on UPRR property.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 76



☉ 29°NE (T) ☉ 47.677258°N, 117.201914°W ±16ft ▲ 2002ft



Photograph 2: Loadout of dross materials at dross pile located on UPRR property.





<b>Date:</b> January 26, 2022	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 32 °F / 42 °F	<b>Wind:</b> SW at 0-15 MPH
<b>Cloud Cover:</b> Cloudy to Sunny	<b>Precipitation:</b> 0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Chesney	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Backfill Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer



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

## 2.0 ACTIVITIES:

- Safety
  - Site Traffic – Site traffic will again be increased due to haul trucks and backfill trucks. Look both ways before crossing travel areas and, if needed, make eye contact with drivers and operators before coming close to trucks and equipment.
  - Site Conditions – Conditions on site are still muddy and wet due to the freeze/thaw temperature cycle. Be aware of footing and avoid steep hills and haul routes.
  - Colder Weather – Temperatures are hovering around freezing, wear proper warm PPE such as hats and gloves, and take warm-up breaks when applicable.
- Work Activities
  - Dross removal continued on UPRR property. The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar lined haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping the road using the Case TR270B skid steer with broom attachment.
  - Continue removing topsoil and vegetation form Pentzer property and WSDOT property.
  - Haul and stockpile vegetation and topsoil from WSDOT property to loadout area on UPRR property.
  - Transfer previously excavated materials to the main stockpile near the area of planned Excavation 3.
  - Removed MW-1 monument to complete well removal scope of work.
  - Plateau Archeological Investigations inspected the disturbed area on the Washington Parks & Recreation property, and determined that there were no objects of significance, giving permission to place the vegetation and topsoil removed from the area with the dross material for future off-site removal.



### **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 today.
- Soil Sample Results
  - Received analytical results for:
    - Six UPRR1 confirmation grid samples (plus duplicate) submitted on 1/23/23, and
    - Five UPRR1 confirmation grid samples, submitted on the following day.
    - All results were reported below remediation screening levels UPRR1, is clear to place backfill.

### **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 0 loads.
- Weigh Ticket Dross Hauling: 0 tons
- Total to date: 87,869.14 tons – (original volume est. 76,699 tons)
- Amended dross volume 88,526.26 tons, remaining volume to be removed: 666.08 tons
- Time moving boulders: 0 hours
- Loads of backfill brought to site: 59
- Volume of backfill brought to site: 1,038.52 tons
- Backfill total to date: 4,729.30 tons





**7.0 PHOTO LOG**



Photograph 1: Removal of MW-1 monument to complete well removal task.



Photograph 2: Remaining dross stockpile material located on UPRR property to be loaded out Gray Mar estimate it to be 500 tons. Stockpiled topsoil in foreground and behind dross, staged for use on UPRR (under cap) backfill





<b>Date:</b> January 27, 2023	<b>On-Site:</b> 0630 PDT	<b>Off-Site:</b> PDT 1510
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 40 °F	<b>Wind:</b> SW at 0-15 MPH
<b>Cloud Cover:</b> Cloudy to Sunny	<b>Precipitation:</b> 1.0 IN Snow

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
J. Roman	Golder	Construction Observation/Sampling & Analysis
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
R. Thayer	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Backfill Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer





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

## **2.0 ACTIVITIES:**

- Safety
  - Open Excavations – Ensure that personnel and equipment maintain a safe distance away from the edges of open excavations. Be aware of any signs of instability such as cracks, depressions, and sloughing.
  - PPE – Ensure that proper PPE, such as hard hats and safety glasses are worn at all times, especially when exiting equipment.
- Work Activities
  - Backfill activities resumed in filling Excavations 8 & 9 with clean backfill from approved offsite source (Photograph 3). Backfill placed with trackhoe, bulldozer, and front-end loader, and compacted with a minimum of 4 passes from a roller. Surface of backfill is not firm and unyielding but acceptable for Excavation fill. Excess backfill material, approximately 5 loads, was staged atop of backfilled Excavation 5 for future use.
  - Excavation of 2-foot cut area on Pentzer property along property boundary with Washington Parks & Recreation boundary (Photograph 1). The excavation was only completed to a depth of 1 foot due to pending sample results.
  - Excavation of 2-foot cut area on WSDOT property north of Excavation 6 (Photograph 2). Excavated materials from this area were placed on the UPRR slope for future spreading.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping the road using the Case TR270B skid steer with sweeper attachment.

## **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 laboratory analysis.
  - Pentzer Property, 1-foot sidewall in proposed 2-foot excavation area, near the border with the Washington Department of Parks & Recreation property.
    - SO-2494-P1-PRPL01-012723
    - SO-2494-P1-PRPL02-012723
    - SO-2494-P1-PRPL03-012723
    - SO-2494-P1-PRPL04-012723
    - SO-2494-P1-PRPL05-012723
  - Last two samples are being retained for potential future analysis pending XRF results

■ Soil Sample Results

- No sample results 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: 87,869.14 tons – (original volume est. 76,699 tons)
- Amended dross volume 88,526.26 tons, remaining volume to be removed: 666.08 tons
- Time moving boulders: 1 hour(s)
- Loads of backfill brought to site: 31
- Volume of backfill brought to site: 539.62 tons
- Backfill total to date: 6268.92 tons



**7.0 PHOTO LOG**



☉ 312°NW (T) ☉ 47.677031°N, 117.203140°W ±13ft ▲ 1984ft



Photograph 1: Excavation of 2-foot cut area on Pentzer property along property boundary with Washington Parks & Recreation boundary to a depth of 1 foot.





☉ 301°NW (T) ☉ 47.677020°N, 117.200302°W ±91ft ▲ 1973ft



Photograph 2: Excavation of 2-foot cut area on WSDOT property north of Excavation 6.



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## DAILY FIELD REPORT # 78



☀ 107°E (T)   ● 47.676895°N, 117.200459°W ±16ft   ▲ 1970ft



Photograph 3: Backfill activities in Excavations 8 & 9 with clean backfill from approved offsite source.





<b>Date:</b> January 30, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 8 °F / 24 °F	<b>Wind:</b> SE to SW at 0-5 MPH
<b>Cloud Cover:</b> Cloudy to Partly Sunny	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Backfill Trucks: 2		
Dross Haul Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer





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

## **2.0 ACTIVITIES:**

- Safety
  - Cold Weather – Ensure that equipment is properly warmed before using, utilize warm PPE such as hats, insulated gloves and insulated coveralls, and take warm-up breaks as needed. Snow that fell over the weekend has melted and refrozen, creating small puddles of ice, be aware of and avoid these small areas if possible.
  - Site Traffic – Backfill and loadout activities will be taking place simultaneously on site today, increasing site traffic. Look both ways before crossing haul routes, make eye contact with drivers before approaching.
- Work Activities
  - Backfill activities continued in Excavations 8 & 9 with clean backfill from approved offsite source. Backfill placed with trackhoe, bulldozer, and front-end loader, and compacted with a minimum of 4 passes from a roller. Surface of backfill is not firm and unyielding but acceptable for excavation fill. Excess backfill material, approximately 28 loads, was staged atop of filled portions of Excavation 8 for future use (Photograph 3).
  - Dross removal continued on UPRR property (Photograph 1). The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Excavation of 2-foot cut area on WSDOT property north of Excavation 6 (Photograph 2). Excavated materials from this area were placed on the UPRR slope for future spreading or transferred to the stockpile and staging area near planned Excavation 4.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- Due to the wet conditions experienced last week and the sub-freezing temperatures today, the tracks of the trackhoes were frozen in place and remained motionless for a portion of the day. The machines were allowed to warm up and were all able to eventually regain use of the tracks.

## **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 today.
- Soil Sample Results
  - Received results for three samples collected on Pentzer, near the border with the Washington Department of Parks and Recreation property: P1-01, P1-27, and P1-45. All three samples exceed the CUL for barium. There was also results received for six samples collected on WSDOT property: , W1-4.0-1B, W1-4.0-2W, W1-4.0-3B, W1-4.0-4W, W1-23 W1-46 . Three samples, W1-4.0-1B, W1-4.0-3B, and W1-23, exceed the arsenic CUL (12.2 mg/kg, 10.1mg/kg, and 16.9 mg/kg, respectively. W1-23 also exceeds the copper CUL The sample location will be subject to further removal down to 6ft bgs.

## **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 12 loads.
- Weigh Ticket Dross Hauling: 391.60 tons
- Total to date: 88,260.74 tons – (original volume est. 76,699 tons)
- Amended dross volume 88,526.26 tons, remaining volume to be removed: 265.52 tons
- Time moving boulders: 1 hour(s)
- Loads of backfill brought to site: 56
- Volume of backfill brought to site: 936.91 tons
- Backfill total to date: 7205.83 tons



**7.0 PHOTO LOG**



Photograph 1: Loadout activities at the dross pile located on UPRR property.





Photograph 2: Excavation of 2-foot cut area on WSDOT property north of Excavation 6.





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## DAILY FIELD REPORT # 79



☉ 360°N (T) ● 47.676576°N, 117.200058°W ±13ft ▲ 1982ft



30 Jan 2023, 15:51:12

Photograph 3: Backfill stockpile located on filled portions of Excavations 8 & 9 on WSDOT property.



<b>Date:</b> January 31, 2023	<b>On-Site:</b> 0525 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 18 °F / 24 °F	<b>Wind:</b> Swirling N to SE at 0-5 MPH
<b>Cloud Cover:</b> Cloudy to Partly Sunny	<b>Precipitation:</b> 0.25 IN Snow

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Dross Haul Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger





- Portable Screen
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Personal Protective Equipment – The weather is subfreezing, so utilize gear designed for these temperatures such as hats, insulated gloves and insulated coveralls in addition to standard equipment like hard hats, safety glasses, and steel-toed boots.
  - Site Conditions – There are visible ice puddles around the site, avoid these areas and mind footing.
- Work Activities
  - Backfill activities continued in Excavations 8 & 9 utilizing the material staged the previous day. Backfill was placed with trackhoe, bulldozer, and front-end loader, and compacted with a minimum of 4 passes from a roller. Pea gravel does not meet firm and unyielding compaction on surface.
  - Dross removal continued on UPRR property. The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - Excavated materials from the area south of Excavation 6 were transferred to the stockpile and staging area near planned Excavation 4.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems 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 today for XRF analysis:



- W1-06
  - W1-08
  - W1-30
  - W1-31
  - W1-34
  - W1-35
- Soil Sample Results
- No sample results were received today.

## **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 6 loads.
- Weigh Ticket Dross Hauling: 196.51 tons
- Total to date: 88,457.25 tons – (original volume est. 76,699 tons)
- Amended dross volume 88,526.26 tons, remaining volume to be removed: 69.01 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: 7205.83 tons



**7.0 PHOTO LOG**



Photograph 1: Transfer of excavated materials from area south of Excavation 6 to the stockpile and staging area near planned Excavation 4 .





Photograph 2: Loadout activities at the cross pile located on UPRR property.



<b>Date:</b> February 01, 2023	<b>On-Site:</b> 0525 PDT	<b>Off-Site:</b> PDT 1655
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 24 °F / 36°F	<b>Wind:</b> N to SW at 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
B. Evans	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
T. Cumpston	GrayMar	Office Admin
M. Privett	GrayMar	Laborer
E. Snow	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer
Dross Haul Trucks: 1		
Backfill Trucks: 2		

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer



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

## **2.0 ACTIVITIES:**

- Safety
  - Personal Protective Equipment – The weather is subfreezing, utilize gear designed for these temperatures such as hats, insulated gloves and insulated coveralls in addition to standard equipment like hard hats, safety glasses, and steel-toed boots.
  - Site Conditions – There are visible ice puddles around the site, avoid these areas and mind footing.
- Work Activities
  - Backfill material deliveries continued in Excavations 8 & 9 with clean backfill from approved offsite source. The backfill was staged atop of filled portions of Excavation 8 for future use.
  - Dross removal continued on UPRR property (Photograph 1). The John Deere 700L bulldozer moved material toward the at the Case CX210D Trackhoe, which loaded trucks.
  - GrayMar continues to line haul trucks with plastic sheeting. The sheeting is placed using a wheeled access ladder and a telescoping pole.
  - A small area between Excavation 6 and Excavation 8 that did not meet CUL criteria according to laboratory analysis results was excavated further from 2 feet in depth to 4 feet in depth(Photograph 2). The excavated materials from this area were transferred to the stockpile located near planned Excavation 4.
  - Excavated materials located at the toe of the UPRR property slope and the WSDOT boundary were pushed upslope in order to facilitate the 2-foot excavation that is planned for the WSDOT area (Photograph 3).
  - GrayMar began placing excavated materials on the former UPRR dross pile area today. The excavated materials are being transferred from the stockpile located near planned Excavation 4 to the former UPRR dross pile area via off-road haul truck.
  - Scraping Sullivan Road as required using the John Deere 624 front-end loader using smooth bucket and sweeping.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems 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
  - 10 soil samples were collected today for XRF analysis:
    - UP1-11
    - UP1-17
    - UP1-18
    - UP1-20
    - UP1-26
    - UP1-27
    - UP1-28
    - UP1-29
    - UP1-35
    - UP1-36
  - 5 backfill samples were collected today for laboratory analysis:
    - BF2-2494-01-020123
    - BF2-2494-02-020123
    - BF2-2494-03-020123
    - BF2-2494-04-020123
    - BF2-2494-05-020123
- Soil Sample Results
  - No sample results were received today.

#### **6.0 BID ITEMS MEASURED TODAY**

- Total dross haul for the day: 3 loads.
- Weigh Ticket Dross Hauling: 119.86 tons
- Total to date: 88,577.11 tons – (original volume est. 76,699 tons)



**GOLDER**  
MEMBER OF WSP

## **DAILY FIELD REPORT # 81**

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- Amended gross volume 88,526.26 tons, Exceeded volume to be removed by 50.85 tons
- Time moving boulders: 1 hour(s)
- Loads of backfill brought to site: 56
- Volume of backfill brought to site: 947.62 tons
- Backfill total to date: 8153.45 tons
- Platform buildup on top of UPRR - One dump truck, one excavator used to placed soil on top of UPRR (1/4 day).



**7.0 PHOTO LOG**



Photograph 1: Loadout activities at the dross pile located on UPRR property.





☉ 7°N (T) ☉ 47.676612°N, 117.200361°W ±13ft ▲ 1972ft



Photograph 2: Excavation of area between Excavation 6 and Excavation 8 where initial testing exceeded CULs. Expanded excavation from 2 feet to 4 feet in depth.





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## DAILY FIELD REPORT # 81



☉ 51°NE (T) ● 47.676570°N, 117.201842°W ±154ft ▲ 1981ft



Photograph 3: Transfer of excavated materials from area at the toe of the UPRR slope to the side and top of the slope.



<b>Date:</b> February 02, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1720
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 24 °F / 38°F	<b>Wind:</b> N to E at 0-5 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

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

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger





- Portable Screen
- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Personal Protective Equipment – The weather is subfreezing, utilize gear designed for these temperatures such as hats, insulated gloves and insulated coveralls in addition to standard equipment like hard hats, safety glasses, and steel-toed boots. PPE is required outside of equipment at all times.
  - There is a lot of site traffic trucks have the right of way, don't go behind equipment make and make eye contact with operators.
  - Site Conditions – The ground is still frozen with visible ice puddles around the site, avoid these areas and mind footing.
- Work Activities
  - A small area north of the northeast corner of the WSDOT excavation area, on UPRR property, was excavated (Photograph 1). The area was excavated due to analytical lab results indicating that at least one COC exceeded the CULs. The excavation was expanded from 2-foot deep to 4-foot deep, and was expanded by a bucket width, approximately 4 feet, chasing visual dross.
  - Prepare entrance gate area by cleaning and finishing concrete posts, and checking gate alignment (Photograph 2).
  - Graymar continued placing excavated materials on the former UPRR dross stockpile area today. The excavated materials are being transferred from the stockpile located near planned Excavation 4 to the former UPRR dross stockpile area via off-road haul truck. The excavated material is placed in 1-foot lifts and compacted using a roller (Photograph 3).
  - The exit route used by the haul trucks was scraped clear of dross material that had fallen while loadout activities occurred.
  - A small portion of the brush material that was generated during the clearing and grubbing of the Pentzer and WSDOT properties was chipped using a wood chipper.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems 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
  - Nine soil samples were collected on the UPRR property today for XRF analysis:
    - UP1-01
    - UP1-02
    - UP1-03
    - UP1-05
    - UP1-12
    - UP1-21
    - UP1-22
    - UP1-31
    - UP1-38
- Soil Sample Results
  - Three sample results for the Washington Department of Parks and Recreation property were received today:
    - P1-PRPL02-012723
    - P1-PRPL03-012723
    - WI-PRPL02-012723
  - All exceeded CUL for aluminum and 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)
- Amended dross volume 88,526.26 tons. Exceeded volume to be removed by 50.85 tons
- Time moving boulders: 2 hour(s)



**GOLDER**  
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## **DAILY FIELD REPORT # 82**

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- Loads of backfill brought to site: 0
- Volume of backfill brought to site: 0 tons
- Backfill total to date: 8153.45 tons
- Platform buildup on top of UPRR – 1- dump truck, 1- excavator and 1-dozer used to placed soil on top of UPRR (1 day).





**7.0 PHOTO LOG**



☀ 305°NW (T) ● 47.677277°N, 117.199021°W ±62ft ▲ 1984ft



Photograph 1: Excavation of a small area north of the northeast corner of the WSDOT excavation area, on UPRR property. The area was expanded due to laboratory analysis results indicating that at least one COC exceeded its CUL.



Photograph 2: Checking the alignment of the entrance gate.





**GOLDER**  
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## DAILY FIELD REPORT # 82



☉ 55°NE (T) ● 47.677223°N, 117.201956°W ±78ft ▲ 2002ft



Photograph 3: Spreading and compacting excavated materials in the former UPRR dross stockpile area.





<b>Date:</b> February 03, 2023	<b>On-Site:</b> 0525 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 24 °F / 41°F	<b>Wind:</b> Swirling NE to S at 0-10 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	Golder	Construction Observation/Sampling & Analysis
Z. Schuehle	Golder	Construction Observation/Sampling & Analysis
M. Gipson	GrayMar	Project Manager
W. Scott	GrayMar	Laborer
C. Bennett	GrayMar	Laborer
J. Bronson	GrayMar	Laborer
M. Privett	GrayMar	Laborer
M. Murphy	GrayMar	Laborer
A. Hernandez	GrayMar	Laborer

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)

### 2.0 ACTIVITIES:

- Safety
  - Personal Protective Equipment – A woodchipper is being used on site. Exercise extreme caution around this piece of equipment, and ensure hearing protection, safety glasses, hard hats, and boots are worn at all times. Familiarize the locations of the safety equipment of the machine.
  - Fatigue – Be aware of fatigue due to the work week. Maintain focus when onsite and driving home.
- Work Activities
  - The entrance gate hinges were welded into place by a welder from the CAD trucking company, and the gates were hung by GrayMar.
  - GrayMar continued placing excavated materials on the former UPRR dross stockpile area today. The excavated materials are being transferred from the stockpile located near planned Excavation 4 to the former UPRR dross stockpile area via off-road haul truck. The excavated material is placed in 1-foot lifts and compacted using a roller (Photograph 3).

### 3.0 PROBLEMS AND RESOLUTIONS:

- No problems 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 on the WSDOT property today for XRF analysis:
    - W1-22
    - W1-36
    - W1-37
- 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)
- Amended dross volume 88,526.26 tons. Exceeded volume to be removed by 50.85 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
- Platform buildup on top of UPRR – 1- dump truck, 1- excavator, 1- roller and 1-dozer used to placed soil on top of UPRR (1 day).





**7.0 PHOTO LOG**



Photograph 1: Transfer of excavated materials from the stockpile located near planned Excavation 4 to the former UPRR dross stockpile area.



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## DAILY FIELD REPORT # 83



☉ 42°NE (T)    ● 47.677448°N, 117.201979°W ±13ft    ▲ 2005ft



Photograph 2: Spreading and compacting excavated materials in the former UPRR dross stockpile area.





**GOLDER**  
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## DAILY FIELD REPORT # 83



☉ 72°E (T) ● 47.675966°N, 117.197028°W ±121ft ▲ 1992ft



Photograph 3: GrayMar hanging the entrance gate.





<b>Date:</b> February 06, 2023	<b>On-Site:</b> 0520 PDT	<b>Off-Site:</b> PDT 1630
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 35 °F / 44°F	<b>Wind:</b> SW at 0-10 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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

**1.0 EQUIPMENT ON SITE:**

- Trackhoe LinkBelt 210x4
- Trackhoe LinkBelt 145x4 (Removed from site in afternoon)
- Trackhoe Case CX210D
- Mini Excavator CAS CX57C
- Loader John Deere 624
- Bulldozer John Deere 700L
- Bulldozer CAT D6 (Brought to site in afternoon)
- Roller DYNAPAC CA2500D
- Off-Road Haul Truck Volvo A45G
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Trailer-Mounted Pressure Washer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen



- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Pinch Points and Rotating Equipment – Be aware of body and extremities placement near equipment. Do not place yourself or allow others to be between two moving parts of a piece of equipment. Do not wear loose clothing or have dangling strings around rotating equipment.
  - Site Conditions – Site conditions are saturated, mind footing, slick mud, be aware of signs of slope stability such as sloughing and cracks along the slopes and open excavations.
- Work Activities
  - GrayMar utilized a trailer-mounted pressure to clean the LinkBelt 145x4 Trackhoe before it was removed from site (Photograph 1).
  - Utilizing a trailer-mounted woodchipper, GrayMar continued to chip the wood debris created during the clearing and grubbing of the Pentzer and WSDOT properties. The wood chips are staged in a pile near the junction point of the Pentzer, WSDOT, and UPRR properties (Photograph 2).

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems 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 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



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## **DAILY FIELD REPORT # 84**

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- 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





**7.0 PHOTO LOG**



Photograph 1: Trailer-mounted pressure washer used to clean the LinkBelt 145x4 prior to its removal from site.



Photograph 2: Woodchip pile generated from chipping the brush generated through the clearing and grubbing of the Pentzer and WSDOT properties.





<b>Date:</b> February 07, 2023	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1650
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 34 °F / 43°F	<b>Wind:</b> S to SW at 5-20 MPH
<b>Cloud Cover:</b> Cloudy	<b>Precipitation:</b> 0.04 IN Rain in Afternoon

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
C. Bennett	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
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Trailer-Mounted Pressure Washer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen





- Track-out Mat (x3)

## **2.0 ACTIVITIES:**

- Safety
  - Site Conditions – Most of the site remains saturated. Conditions are slick and muddy. Be vigilant of signs of slope instability.
  - Pinch Points and Rotating Equipment – Site tasks continue to involve equipment with potential pinch points and rotating parts. Do not get complacent while operating. Be aware of body and extremities placement near equipment. Do not place yourself or allow others to be between two moving parts of a piece of equipment. Do not wear loose clothing or have dangling strings around rotating equipment.
  - PPE – Ensure that standard PPE is worn at all times, and if specific PPE is necessary for a job task, ensure that all workers are proficient in its purpose and use.
- Work Activities
  - Due to exceedances of CUL parameters indicated by XRF analysis, the WSDOT slope area west of Excavation 5 was excavated another foot in depth, for a total depth of 2-feet (Photograph 1). The excavated materials were loaded directly into the off-road haul truck and transferred to the former UPRR dross stockpile area. There, the excavated materials were spread using the CAT D6 bulldozer and compacted using the roller.
  - Piles of material scraped from the exit haul route along the south portion of the WSDOT property were transferred to the former UPRR dross stockpile area. Materials stockpiled near planned Excavation 4 were also transferred to the former UPRR dross stockpile area (Photograph 2).
  - GrayMar continued to utilize a trailer-mounted woodchipper to chip the wood debris created during the clearing and grubbing of the Pentzer and WSDOT properties (Photograph 3). The wood chips are staged in a pile near the junction point of the Pentzer, WSDOT, and UPRR properties.

## **3.0 PROBLEMS AND RESOLUTIONS:**

- No problems encountered today.

## **4.0 SUMMARY OF H&S ISSUES**

- No H&S issues were encountered today.

## **5.0 SAMPLING & ANALYSIS ACTIVITIES**

- Dust Monitoring
  - Conducted at perimeter stations, all samples within limits.



- Soil Sampling
  - Five soil samples were collected for XRF analysis today:
    - W1-01
    - W1-02
    - W1-30
    - W1-31
    - W1-42
- 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: 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: CASE CX210D Trackhoe, CAT D6 Bulldozer, and Volvo A45G Off-Road Haul Truck used all day. DYNAPAC CA2500D Roller used for one quarter of the day.



**7.0 PHOTO LOG**



Photograph 1: Excavating the 2-foot excavation area west of Excavation 5 another foot, to a total depth of 2 feet.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 85



☉ 303°NW (T) ● 47.676667°N, 117.201155°W ±193ft ▲ 1998ft



Photograph 2: Transfer of excavated materials from the stockpile located near planned Excavation 4 to the former UPRR dross stockpile area to be spread and compacted.



☉ 128°SE (T)   ● 47.677035°N, 117.202278°W ±13ft   ▲ 1998ft



Photograph 3: Woodchip pile and trailer-mounted woodchipper near the junction of the Pentzer, WSDOT and UPRR properties.





<b>Date:</b> February 08, 2023	<b>On-Site:</b> 0600 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 29 °F / 42°F	<b>Wind:</b> SW at 5-10 MPH
<b>Cloud Cover:</b> Sunny to Partly Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
C. Bennett	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
- Wood Chipper Vermeer BC1000XL
- Service Truck
- Flatbed Trailer
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## 2.0 ACTIVITIES:

- Safety
  - Site Conditions – Rain in the afternoon has further saturated the site. Conditions are slick and muddy, watch for soft spots. If cracks or sloughing is observed, avoid the area as it may possibly be unstable.
  - PPE – Wear standard PPE including hardhats, steel-toed boots, high visibility vest and/or clothing, and safety glasses. If applicable, check PPE items for wear and replace as needed.
- Work Activities
  - Excavated materials stockpiled along the WSDOT and UPRR property boundary north of Excavation 6 were transferred to the former UPRR dross stockpile area. Excavated materials stockpiled near planned Excavation 4 were also transferred (Photograph 1).
  - Visible dross was found on the WSDOT slope south of the Kemira plant after its excavation last week. This visible dross was removed, and the excavated materials were transferred to the former UPRR dross stockpile area to be spread and compacted (Photograph 3). Another portion of the slope that had not been excavated down to the required 2 feet was excavated, and those excavated materials were transferred to the former UPRR dross stockpile area as well (Photograph 2).
  - The 2-foot excavation area directly south and east of Excavation 9 was started today.
  - GrayMar finished using the trailer-mounted woodchipper to chip the wood debris created during the clearing and grubbing of the Pentzer and WSDOT properties today. The wood chips are staged in a pile near the junction point of the Pentzer, WSDOT, and UPRR properties.

## 3.0 PROBLEMS AND RESOLUTIONS:

- The 2-foot excavation area directly to the east and south of Excavation 9 will be sampled using XRF to determine extent of excavation. Area previously had test pits and did not exhibit signs of dross at depth.

## 4.0 SUMMARY OF H&S ISSUES

- No H&S issues were encountered today.

## 5.0 SAMPLING & ANALYSIS ACTIVITIES

- Dust Monitoring
  - Conducted air monitoring at perimeter locations all samples within limits.
- Soil Sampling



- No soil samples were collected today.
- One soil sample was submitted for laboratory analysis today:
  - SO-2494-W1-31-020723

**Soil Sample Results**

- Results were received for three Permeable Ballast Cap Gravel samples that pass CUL criteria:
  - PBCG-2494-01-012623
  - PBCG-2494-02-012623
  - PBCG-2494-03-012623
- Results were received for five Topsoil samples that had barium that exceeds CUL:
  - TS-2494-01-012623
  - TS-2494-02-012623
  - TS-2494-03-012623
  - TS-2494-04-012623
  - TS-2494-05-012623
- Results were received for three WSDOT property grid samples in 2-ft excavation areas:
  - SO-2494-W1-07-012723 – slightly exceed CUL for As and Cu – excavation completed
  - SO-2494-W1-14-012723 – exceeds CUL for As will excavate small area
  - SO-2494-W1-23-012723 – slightly exceeds CUL for As excavation completed

**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



**GOLDER**  
MEMBER OF WSP

## **DAILY FIELD REPORT # 86**

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- Former UPRR Dross Stockpile Area Materials Transfer: CASE CX210D Trackhoe, CAT D6 Bulldozer, and Volvo A45G Off-Road Haul Truck used all day. DYNAPAC CA2500D Roller and LinkBelt 210x4 Trackhoe used for one half of the day.





**7.0 PHOTO LOG**



Photograph 1: Transfer of excavated materials from the stockpile located near planned Excavation 4 to the former UPRR cross stockpile area to be spread and compacted.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 86



☉ 330°NW (T) ● 47.676921°N, 117.199754°W ±42ft ▲ 1971ft



Photograph 2: Excavation of 2-foot excavation area on WSDOT property slope north of Excavation 8.



Photograph 3: Placement and spreading of excavated materials in the former UPRR Dross Stockpile area.





<b>Date:</b> February 09, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1715
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 29 °F / 44°F	<b>Wind:</b> NE to SE at 0-5 MPH
<b>Cloud Cover:</b> Cloudy to Mostly Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
C. Bennett	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
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

- Safety
  - Site Conditions – Freezing temperatures in the morning produced ice puddles, avoid these areas to prevent slipping. Afternoon temperatures will thaw most areas, causing slick, muddy conditions. Avoid steep slopes mind footing.
  - PPE – Standard PPE is required for all personnel in work area.
- Work Activities
  - GrayMar excavated the 2-foot excavation area and continued the transfer of excavated materials stockpiled along the WSDOT and UPRR property boundary north of Excavation 6 to the former UPRR dross stockpile area (Photograph 1). The transferred materials were spread and compacted in 1-foot lifts (Photograph 3).
  - The southern exit haul route along the WSDOT property that lies within the 2-foot excavation area limits was excavated today (Photograph 2). The removed materials were loaded directly into haul truck and transferred to the former UPRR dross stockpile area

## **3.0 PROBLEMS AND RESOLUTIONS:**

- GrayMar was provided a figure with the excavation limits by Ted Norton, but GrayMar still refused to excavate the 2-foot excavation area directly to the east and south of Excavation 9. While reviewing previous site photos, it is clear that the area has not been excavated. In order to compromise, Golder will take samples of the quadrants located in this area and analyze using XRF.

## **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 samples were collected and analyzed using XRF on the WSDOT property today:
    - W1-11
    - W1-12
- 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: 1 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: CASE CX210D Trackhoe, CAT D6 Bulldozer, and Volvo A45G Off-Road Haul Truck used all day. DYNAPAC CA2500D Roller was used for three-quarters of the day.





**7.0 PHOTO LOG**



Photograph 1: Transfer of excavated materials from the stockpile located near planned Excavation 4 to the former UPRR dross stockpile area to be spread and compacted.





**GOLDER**  
MEMBER OF WSP

# DAILY FIELD REPORT # 87



☉ 287°W (T) ☉ 47.676466°N, 117.201166°W ±95ft ▲ 1978ft



Photograph 2: 2-foot excavation area on WSDOT property along southern exit haul route.





Photograph 3: Placement and compaction of excavated off property materials in the former UPRR Dross Stockpile area.





<b>Date:</b> February 10, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1600
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 29 °F / 45°F	<b>Wind:</b> S at 0-10 MPH
<b>Cloud Cover:</b> Cloudy to Mostly Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
C. Bennett	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
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

### ■ Safety

- Utility Hazards – There are overhead powerlines within the excavation boundaries on WSDOT, Pentzer and UPRR properties. Make sure there is clearance underneath if work is commencing in those areas. When in doubt, use a spotter. Verify the location of buried utilities prior to any work in those areas.
- PPE – Standard PPE is required for all personnel in work area.

### ■ Work Activities

- GrayMar continued to excavate the 2-foot excavation area and continued the transfer of excavated materials stockpiled along the WSDOT and UPRR property boundary north of Excavation 6 to the former UPRR dross stockpile area (Photograph 1).
- GrayMar excavated areas between Excavation 6 and Excavation 8 that were shown to exceed CULs according to XRF and/or laboratory analysis (Photograph 2). The excavated materials were loaded directly into the haul truck and transferred to the former UPRR dross stockpile area.
- The southern portion of the Pentzer property that lies within the excavation boundary was excavated another foot in depth, for a total depth of 2 feet (Photograph 3). The removed materials were loaded directly into the haul truck and transferred to the former UPRR dross stockpile area for spreading and compaction in 1-foot lifts.

## **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 and analyzed using XRF on the WSDOT property today:
  - W1-06-021023
  - W1-28
  - W1-40



- 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: 1 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: CASE CX210D Trackhoe, CAT D6 Bulldozer, and DYNAPAC CA2500D Roller used for half the day. The Volvo A45G Off-Road Haul Truck and the LinkBelt 210x4 trackhoe were used for three-quarters of the day.





**7.0 PHOTO LOG**



Photograph 1: 2-foot WSDOT property excavation area north of Excavation 6 near the toe of the UPRR property slope. Excavated materials were transferred to the former UPRR dross stockpile area to be spread and compacted.





**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 88



☉ 174°S (T) ☉ 47.676996°N, 117.200526°W ±13ft ▲ 1974ft



Photograph 2: Excavation of area between Excavation 6 and Excavation 8 that exceeded CULs.





Photograph 3: Excavation of the southern portion of the Pentzer Property within the 2-foot excavation area.





<b>Date:</b> February 13, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1645
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	

<b>High/Low Temperature:</b> 30 °F / 46°F	<b>Wind:</b> W at 0-10 MPH
<b>Cloud Cover:</b> Partly Cloudy to Cloudy	<b>Precipitation:</b> 0.0 IN

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
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
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

### ■ Safety

- Saturated Conditions – Constant freeze/thaw cycle has kept most of the site saturated. Avoid steep slopes, both on foot and in equipment. Be aware for signs of sloughing or cracking, and if present, avoid those areas.
- PPE – Standard PPE is required for all personnel in work area when not in equipment or in vehicles.

### ■ Work Activities

- GrayMar utilized the CAT D6 bulldozer and the LinkBelt 210x4 trackhoe to excavate 2-foot excavation area of the western portion of the Pentzer property. The excavated materials were pushed into a pile by the bulldozer and transferred to the UPRR former dross stockpile area using the trackhoe and the off-road haul truck.
- The John Deere 700L bulldozer, the Case CX210D trackhoe, and the John Deere 624 front-end loader were used to excavate the western portion of the WSDOT property within the 2-foot excavation area limits. The excavated materials were transferred to the excavated materials stockpile near planned Excavation 4. The CAT D6 bulldozer was also used to excavate and transfer materials when it was finished being utilized on the Pentzer property.
- The LinkBelt 210x4 trackhoe and the off-road haul truck were used to further excavate the exit haul road south of Excavation 5 due to some areas failing to meet excavated depth requirements. The excavated materials were transferred to the UPRR former dross stockpile area using the trackhoe and the off-road haul truck.

## **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 on the Pentzer property today:
  - P1-19



- P1-26
- P1-32
- P1-33
- P1-42
- P1-45
- One soil sample was collected today for XRF analysis on the WSDOT property:
  - W1-29
- Four soil samples were submitted for laboratory analysis today:
  - SO-2494-W1-06-021023
  - SO-2494-W1-28-021023
  - SO-2494-W1-40-021023
  - SO-2494-PA-45-021323
- Soil Sample Results
  - Backfill #3 results were received today – 5 samples all pass except one sample has an arsenic concentration of 11.7 mg/kg which exceeds the arsenic CUL of 10mg/kg.

## 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: 1.5 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 trackhoe and the Volvo A45G Off-Road Haul Truck were used for three-quarters of the day. The CAT D6 bulldozer was used for half of the day.





**7.0 PHOTO LOG**



Photograph 1: Excavation of the 2-foot Pentzer property excavation area. Excavated materials were transferred to the former UPRR dross stockpile area.



**GOLDER**  
MEMBER OF WSP

## DAILY FIELD REPORT # 89



☉ 327°NW (T) ☉ 47.676509°N, 117.200554°W ±13ft ▲ 1974ft



Photograph 2: Excavation of the 2-foot excavation area on the western portion of the WSDOT property. Both bulldozers, the front-end loader, and the Case CX210D trackhoe were utilized.





📍 108°E (T) 📍 47.676668°N, 117.201908°W ±13ft ▲ 1981ft



Photograph 3: Re-excavation of shallow areas of the southern exit haul route south of Excavation 5 on the WSDOT Property. .





<b>Date:</b> February 14, 2023	<b>On-Site:</b> 0530 PDT	<b>Off-Site:</b> PDT 1700
<b>Project:</b> Aluminum Recycling Trentwood – Dross Removal Project		
<b>Location:</b> Trentwood, WA	<b>Job No.:</b> GLUPRR_2.022	
<b>Client:</b> Union Pacific Railroad	<b>Contractor:</b> GrayMar	
<b>High/Low Temperature:</b> 22 °F / 41°F	<b>Wind:</b> W at 0-10 MPH	
<b>Cloud Cover:</b> Partly Cloudy to Cloudy	<b>Precipitation:</b> 0.2 IN	

<b>Personnel On Site /Company</b>	<b>Company</b>	<b>Responsibility</b>
A. Chesney	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
- Skid Steer Case TR270B w/broom, bucket, & auger
- Portable Screen
- Track-out Mat (x3)



## **2.0 ACTIVITIES:**

### ■ Safety

- Saturated Conditions – Constant freeze/thaw cycle has kept most of the site saturated. Avoid steep slopes, both on foot and in equipment. Be aware for signs of sloughing or cracking, and if present, avoid those areas.
- PPE – Standard PPE is required for all personnel in work area when not in equipment or in vehicles.

### ■ Work Activities

- GrayMar utilized the CAT D6 bulldozer to excavate the 2-foot excavation area of the western portion of the Pentzer property. The excavated materials were pushed into a pile by the bulldozer near the Pentzer/WSDOT property boundary.
- The John Deere 700L bulldozer, the Case CX210D trackhoe, and the John Deere 624 front-end loader were used to excavate the western portion of the WSDOT property within the 2-foot excavation area limits. The excavated materials were transferred to the excavated materials stockpile near planned Excavation 4. The CAT D6 bulldozer was also used to excavate and transfer materials when it was finished being utilized on the Pentzer property.
- The LinkBelt 210x4 trackhoe and the off-road haul truck were used to further excavate visible dross on the east end of the WSDOT property. The excavated materials were transferred to the UPRR former dross stockpile area using the off-road haul truck.
- The LinkBelt 210x4 trackhoe was used to excavate a portion of the 2ft area on the Pentzer property near target excavation 1. The excavated materials were stockpiled near excavation 1 to be hauled to the UPRR former dross stockpile area using the off-road haul truck.

## **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 from the WSDOT property for XRF and/or laboratory analysis today:
  - W1-05



- W1-19
- W1-14
- W1-33
- W1-41
- Seven soil samples were submitted for laboratory analysis today two from Pentzer and five from WSDOT (west):
  - SO-2494-P1-26-021323
  - SO-2494-P1-32-021323
  - SO-2494-W1-05-021423
  - SO-2494-W1-14-021423
  - SO-2494-W1-19-021423
  - SO-2492-W1-33-021423
  - SO-2494-W1-41-021423

■ 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: 1.5 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 trackhoe and the Volvo A45G Off-Road Haul Truck were used for three-quarters of the day. The CAT D6 bulldozer was used for half of the day.





## 7.0 PHOTO LOG



Photograph 1: Excavation of the 2-foot Pentzer property excavation area. Excavated materials were transferred to the former UPRR dross stockpile area.



**GOLDER**  
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## DAILY FIELD REPORT # 90



Photograph 2: Excavation of the 2-foot excavation area on the western portion of the WSDOT property. Both bulldozers, the front-end loader, and the Case CX210D trackhoe were utilized.





Photograph 3: Excavation of the 2-foot excavation area on the eastern portion of the WSDOT property where dross was still visible. The LinkBelt 210x4 trackhoe and the off-road haul truck were used for this task.