

VLf2 Phase 3 Schist Island Backfill

High Compaction Fill

Inclement Winter Weather SOP

1. Persons Responsible

NewFields Engineer of Record(EoR) /Certifying Engineer

Jay Janney-Moore – Responsible for clarifications to the project specifications relating to winter weather construction. Participates and helps direct remediation discussions and solutions. Has the final approval over inclement weather standard operating procedure, remediation plans, and execution of remediations.

Newmont Project Manager/Project Engineer

Evan Fonger, Jeff Gaul, or designee – Responsible for the quality of backfill placement. Acts as a liaison between all parties involved in the project to ensure ongoing communications are maintained between CC&V, the Engineer of Record (EoR) NewFields, Certifying Engineer (NewFields), and Project Engineer. Participates and helps direct remediation discussions and solutions.

Newmont Mine Operations Manager/Superintendent

Tige Brown, Alison Boye, or designee – Ultimately responsible for overseeing scheduling of backfill placement and the overall quality of the material being delivered during inclement weather. Oversees Mine Technical Services Representative, Mine Operations Superintendents, and Forepersons and communicates SOP requirements as needed. Schedules and communicates remedial solutions with Mine Technical Services Representative, Mine Operations Superintendents and Forepersons. Communicates with NewFields personnel the potential of High Compaction Backfill material changes for further discussion on placement issues that may arise during inclement weather.

Newmont Mine Technical Services Representative

Tsibu-Darko Avenson, William Boyd or designee – Assists scheduling remediation with Mine Operations Superintendents and Forepersons. Communicates with NewFields Senior Technician during inclement weather events and assists in scheduling inspections by NewFields personnel. Communicates with NewFields personnel the potential of High Compaction Backfill material changes for further discussion on placement issues that may arise during inclement weather.

NewFields Senior Technician

Tyler Wendlandt or designee – Conducts field inspections during inclement weather and provides construction guidance and remediation pertaining to the project specifications. Requests the suspension of backfill operations when inclement weather is creating non-compliance with the project specifications. Determines when field conditions are met for specification compliance for the

backfill to resume. Communicates directly with Mine Technical Services and Mine Operations on backfill conditions and concerns. Communicates and reports directly to the EoR, Project Manager, and Project Engineer.

Mine Operations Superintendents and Forepersons

Shift Supervisor M1, M2, or designee - Responsible for backfilling observations during inclement weather and ensures that material placement is in compliance with the project specifications. Suspends backfill operations when inclement weather is creating non-compliance with the project specifications. Resumes backfill operations when conditions are acceptable per project specifications. Directly responsible for directing remediation activities in the field.

2. Inclement Winter Weather during Construction

The purpose of this SOP is to clarify and further explain project specifications for the High Compaction Backfill placement. Frozen material is detrimental to the overall quality of the backfill and creates a risk for differential settlement below the proposed liner surface.

For the purposes of this SOP and the placement of the High Compaction Backfill inclement weather will be defined as follows:

1. Snow/Hail precipitation accumulation of a recordable depth.
2. Ambient air temperatures below 32 degrees fahrenheit.

Project Technical Specifications:

- No brush, roots, sod, *frozen material*, or other deleterious or unsuitable materials shall be incorporated in the fills. The suitability of all materials intended for use in the fill shall be subject to approval by **MANAGER** and **CERTIFYING ENGINEER**. Fill placement shall be temporarily stopped by **CONTRACTOR** due to weather conditions, if materials and installation do not meet the SPECIFICATIONS, at no cost to **CC&V**. Fill shall not be placed upon *frozen material*, such as snow or ice.

For the purposes of this SOP and the placement of the High Compaction Backfill *frozen material* will be defined as follows:

1. Snow depths of more than 2 inches. The snow accumulation thickness will be measured as fallen, not fallen then ran over with haul traffic.
2. Ice formed during freezing temperatures by snow melt and meteoric water in low spots on the surface of the backfill.
3. Frozen backfill material chunks (fines frozen together by meteoric water).

Any of the above listed frozen material is not to be covered or placed in the backfill. Frozen material will be thawed, melted, or completely removed from the backfill. Ice in localized areas may be broken up and spread out.

Quality Controls for ensuring Specification and SOP compliance:

Control Point 1 loader/shovel: Frozen material is not anticipated to be present in most of the loader/shovel dig-faces due to the constant activity of the mining operation. The loader/shovel operators monitor material while working along the pit floor or frozen material falling from the top of the dig face. If frozen material can not be separated from loads heading to the backfill, the loads should be shipped to waste.

Control Point 2: Rubber Tire or Tracked Dozer: Any frozen material, as defined above, that is not in compliance with the project specifications shall not be covered or placed in the backfill. The dozer operators should monitor inclement weather events during material placement and take the necessary steps to ensure that frozen material is not incorporated into the backfill.

High Compaction Backfill Material considerations during temperatures below 32 degrees fahrenheit:

Typical run of mine material (ROM) at CC&V consists of coarse-grained material with a minimal amount of fine-grained material and is non-susceptible to frost during freezing conditions and precipitation. Any material that is scheduled to be placed as high compaction backfill that varies from the typical ROM material and has a significant visual increase in fine grained material (frost susceptible materials) should be reviewed with QA/QC personnel prior to being hauled to the backfill. QA/QC personnel will inspect the material and determine if it is suitable for placement, and what quality control measures need to be taken to ensure that the material is placed in compliance with project specifications.

3. Remediation and Approval

Quality control checks will be utilized to correct any potential remedial issues before a high compaction fill section quality assurance approval is requested and completed. The approval is documented by an email and attached .pdf map showing the approved area from the NewFields Senior Technician to the other Persons Responsible.

If during a quality assurance approval, a high compaction fill section is found to be in non-compliance, and there is a dispute on the need to remediate or method of remediation among the Persons Responsible, a field review will commence. A solution to bring the area into compliance with project specifications will be developed and agreed upon by the Persons Responsible in the field. Once the remedial work has been completed the approval will be documented by an email and attached .pdf map showing the approved area from the NewFields Senior Technician to the other Persons Responsible.

Any deviation from project specifications that can not be remediated without dispute by the Persons Responsible during the field review will have the review further directed to the EoR and Newmont Project Manager by the NewFields Senior Technician. The EoR and Newmont Project Manager will agree to and provide the final remedial solution. Once the remedial work has been completed and documented by the NewFields Senior Technician in the field the EoR and Newmont Project Manager will review the work and provide approval by email and attached .pdf map showing the approved area to the other Persons Responsible.