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Cripple Creek & Victor Gold Mining Company

A Joint Venture · ANGLOGOLD ASHANTI (COLORADO) CORP., Manager

Operations Office

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SENT CERTIFIED, RETURN RECEIPT REQUESTED
7014-0150-0000-6082-6479

February 4, 2015

RECEIVED

FEB 06 2015

DIVISION OF RECLAMATION
MINING AND SAFETY

Mr. Timothy Cazier
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

Reference: Cripple Creek & Victor Gold Mining Company,
Cresson Project Squaw Gulch (VLF)

m-1980-244

Subject: Weekly Construction Quality Assurance ("CQA") Report:
AMEC: Squaw Gulch (VLF) – Weeks ending 1/24/2015, 1/31/2015.

Dear Mr. Cazier:

Cripple Creek & Victor Gold Mining Company ("CC&V") is hereby providing the revised weekly Construction activity and Progress report prepared by AMEC, reporting the CQA services performed for the Squaw Gulch (VLF), Construction during the weeks ending and January 24, 2015 and January 31, 2015.

Should you have any questions, please do not hesitate to contact me at (719) 689-4056.

Sincerely,

Marc Tidquist
Senior Environmental Coordinator

Enclosures: AMEC Squaw Gulch (VLF), Monitoring Summary (Weekly Report). Weeks ending 1/21/2015 and 1/31/2015.

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



Owner:	Cripple Creek & Victor Gold Mining Co.	Project Number:	74201125N0
Project:	Squaw Gulch Valley Leach Fill (VLF)	Week Ending:	January 24, 2015
Location:	Cripple Creek & Victor Gold Mine, CO		
Contractor:	Ames Construction, Inc.		

Reporting Period: 1.18.2015 through 1.24.2015

Days	S	M	T	W	T	F	S
Work Shifts	D	D	D	D	D	D	D
	N	N	N	W	N	N	N
D=Day Shift N=Night Shift W= Weather							

Ambient Temperature Ranges During Week	Weather Conditions During Week:
Highs: 17°F to 43°F	Cloud Cover: Clear to Overcast
Lows: 0°F to 27°F	Precipitation: Snow Wednesday
	Wind: Variable

Ames: Continuing construction tasks for the Valley Leach Facility (VLF).

Planning: Continuing construction activities and scheduling for the VLF.

CONSTRUCTION ACTIVITIES AND PROGRESS:

I) Earthworks

A) VLF (PSSA, Phase 1, and 2)

Topsoil/Overburden Stripping:

Topsoil was stripped between Benches K and I stations K16+00 and I20+00 in the Phase 2 area and hauled to the Area 34 topsoil stockpile.

Tree Grubbing and Clearing, Chipping:

Tree removal occurred in Phase 2 south of Phase 2 Diversion Channel station 22+00.

Production Drilling: None.

Production Blasting: None.

Structural Fill:

An AMEC field professional monitored fill material temperatures during fill placement. Average structural fill temperatures were above 32°F. Snow was removed from areas prior to fill placement. All construction materials placed were verified as suitable, and construction methods were in accordance with project technical specifications.

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Material hauled from the Surge area was placed and compacted as structural fill per project specification between Bench L station L8+00 to L10+00 in Phase 1 and upslope of Bench M stations M28+00 to M34+00 as well as Bench N stations N9+00 to N14+00 in Phase 2. A Cat 330C excavator with a hammer attachment broke oversize material to meet project specifications for structural fill.

Cat dozers placed previously stockpiled structural fill between stations S27+00 and S32+00. A Cat smooth drum vibratory roller compacted the material according to project specifications.

Phase 1 subgrade slope rough grading occurred downslope of Bench L stations L4+00 to L10+00 upslope and downslope of Bench C stations C4+00 to C14+00.

Spent Ore:

Mine Operations hauled spent ore to the PSSA in Cat 793 haul trucks. The material was placed in the PSSA using a Cat dozer.

Subgrade: Phase 1 and 2 rough subgrade preparation occurred. No additional subgrade was approved during this reporting period.

Soil Liner Fill (SLF): (Placement Operations Temporarily Suspended)

Cameron Site: SLF processing continued at the Cameron Site.

Underdrain System:

Primary Underdrain: Complete.

Secondary Underdrain: No work was performed during this reporting period.

Tertiary Underdrain: No work was performed during this reporting period.

Leak Detection: No work was performed during this reporting period.

B) Underground Workings:

Underground working numbers #6655, #6656, #6657, #6658, and #6659 were excavated to competent rock, backfilled and compacted per project specifications, and are considered remediated.

Confirmatory drilling occurred at workings #6546, #6593, #6594, and #6595. Additional remediation is required.

Underground workings #6546, #6548, and #6660 (shafts) were excavated to approximately 25 feet. Competent rock was not encountered. Drill access will be provided. Further remediation is required.

Production drilling occurred on the Anaconda complex for subsequent geogrid installation; however, no blasting occurred this week due to inclement weather.

C) Geomembrane:

Phase 1 80-mil DSMS LLDPE Liner Installation: (Installation is suspended at this time.)

D) Drain Cover Fill (DCF) (Placement operations suspended at this time.)

E) High Volume Solution Collection System Piping (HVSCS):

No work was performed during this reporting period.

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SQUAW GULCH (VLF) WEEKLY REPORT



II) Storm Water Management

Best Management Practices (BMPs) are being performed.

CQA ACTIVITIES:

I) **Field Activities:** Field activities and observation during this reporting period included: Slope grading and fill placement; SLF sampling; clearing and grubbing; underground working remediation and confirmatory drilling; topsoil stockpiling and removal; and spent ore placement in the PSSA.

II) **Laboratory Activities:** Permeability, Atterberg limits, moisture, and sieve analysis laboratory testing continued.

The following samples were collected and returned to AMEC's laboratory for analysis:

- Soil Liner Fill Sample SLF171-C (Control sample)

General Project Items

Meetings and Discussions:

- The Weekly Contractor Meeting was held January 21, 2015 (AMEC, CC&V, Ames)
- Ames daily safety meetings

Summary of Concerns: None.

CC&V: Daily updates, reporting, and scheduling are some of the tasks occurring between CC&V Projects, AMEC, and Ames.

Miscellaneous: None.

Deliveries: None.

Submitted by: Eric Lorensen

Date: January 27, 2015

Reviewed by:

Tim Burkhard
Project Resident
Phone: 719-689-2986

Date: January 27, 2015

CC&V Projects

Reviewed By:

Date: 2/4/15

Reviewed By:

Date: 2-4-15

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



ATTACHMENT A

AMEC - 2015 CQA Field Staff Schedule MLE2

Name	Sun. Jan. 18	Mon. Jan. 19	Tues. Jan. 20	Wed. Jan. 21	Thurs. Jan. 22	Fri. Jan. 23	Sat. Jan. 24
Tim Burkhard		PR	PR	PR	PR	PR	
Steve Rice		UG	UG	UG		UG	
Ben Melly			ST	ST	ST	ST	ST
Robert Redd		UG	UG	UG		UG	
Eric Lorensen	ST	ST					
Denis Koval		ST	ST	ST	ST		
Rick Buxton	ST	ST	ST		ST	ST	ST
Razi Molloy		LT	LT	LT	LT	LT	

LEGEND:

PL = Project Lead
 PM = Project Manager
 PCE = Project Certifying Engineer
 PE = Project Engineer
 PR = Project Resident
 LG = Lead Geosynthetics Engineer
 LS = Lead Soils Technician
 ST = Soil Technician
 LT = Laboratory Technician
 GL = Geosynthetics Lead
 GT = Geosynthetics Technician
 FLM= Field/Laboratory Manager
 UG = Underground Working Remediation
 SE = Senior Engineer
 GS = Geophysics Survey Geologist
 HY = Highway Design Engineer

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



Photographs of Activities



Photo 1: Spent Ore Placement in the PSSA



Photo 2: Underground Workings - Confirmatory Drilling

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
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Photo 3 Phase 2 Structural Fill Placement



Photo 4: Phase 1 Structural Fill Placement

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



Owner: Cripple Creek & Victor Gold Mining Co.	Project Number: 74201125N0
Project: Squaw Gulch Valley Leach Fill (VLF)	Week Ending: January 31, 2015
Location: Cripple Creek & Victor Gold Mine, CO	
Contractor: Ames Construction, Inc.	

Reporting Period: 1.25.2015 through 1.31.2015

Days	S	M	T	W	T	F	S
Work Shifts	D	D	D	D	D	D	D
	N	N	N	W	N	N	N
D=Day Shift N=Night Shift W= Weather							

Ambient Temperature Ranges During Week	Weather Conditions During Week:
Highs: 28°F to 52°F	Cloud Cover: Clear to overcast and fog
Lows: 18°F to 36°F	Precipitation: Snow Friday and Saturday
	Wind: Variable

Ames: Continuing construction tasks for the Valley Leach Facility (VLF).

Planning: Continuing construction activities and scheduling for the VLF.

CONSTRUCTION ACTIVITIES AND PROGRESS:

I) Earthworks

A) VLF (PSSA, Phase 1, and 2)

Topsoil/Overburden Stripping:

Topsoil was stripped downslope of the Phase 2 Diversion Channel stations 20+00 to 28+00 in the Phase 2 area and hauled to the Area 34 topsoil stockpile.

Tree Grubbing and Clearing, Chipping: None.

Production Drilling: None.

Production Blasting: None.

Structural Fill:

An Amec Foster Wheeler field professional monitored fill material temperatures during fill placement; average structural fill temperatures were above 32°F. Snow was removed from areas prior to fill placement. All construction materials placed were verified as suitable, and construction methods were in accordance with project technical specifications.

Material hauled from the Surge area was placed and compacted as structural fill per project specification between Bench L stations L8+00 to L11+00 in Phase 1 and upslope of Bench N stations N0+00 to N14+00 in Phase 2. A Cat 330C excavator with a hammer attachment broke oversized material to meet project specifications for structural fill.

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
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Phase 1 subgrade was rough graded downslope of Bench L between stations L4+00 to L10+00 and upslope and downslope of Bench C between stations C4+00 to C14+00.

Spent Ore:

Mine Operations hauled spent ore to the PSSA in Cat 793 haul trucks. The material was placed in the PSSA using a Cat dozer.

Subgrade: Phase 1 and 2 rough subgrade preparation occurred. No additional subgrade was approved during this reporting period.

Cameron Site: SLF processing continued at the Cameron Site.

Underdrain System:

Primary Underdrain: Complete.

Secondary Underdrain: No work was performed during this reporting period.

Tertiary Underdrain: No work was performed during this reporting period.

Leak Detection: No work was performed during this reporting period.

B) Underground Workings:

Underground workings #6661 was excavated to competent rock, backfilled per project specifications, and is considered remediated.

Underground workings #6556 was excavated to approximately 25 feet and the bottom was not encountered. Drill access was provided and further remediation is required.

Drill access was provided for underground workings #6556 and #6660.

Confirmatory drilling occurred at workings #6546, #6548, #6556, #6559, and #6660. Additional remediation is required.

Confirmatory boreholes were grouted at underground workings #6546, #6548, #6590, and #6593.

Underground workings #6590, #6593, #6594, and #6614 were coned in preparation for concrete plugs.

Slope grading occurred within the limits of the Anaconda Mine Complex for subsequent geogrid placement.

II) Storm Water Management

Best Management Practices (BMPs) are being performed.

CQA ACTIVITIES:

- I) **Field Activities:** Field activities and observation during this reporting period included: Slope grading and fill placement; SLF and SF sampling; clearing and grubbing; underground working remediation and confirmatory drilling; topsoil removal; and spent ore placement in the PSSA.
- II) **Laboratory Activities:** Permeability, Atterberg limits, moisture, and sieve analysis laboratory testing continued.

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



The following samples were collected and returned to Amec Foster Wheeler's laboratory for analysis:

- Soil Liner Fill Sample SLF172-C (Control sample)
- Structural Fill Samples SF114-R through SF119-R (Record samples)

General Project Items

Meetings and Discussions:

- The Weekly Contractor Meeting was held January 28, 2015 (Amec Foster Wheeler, CC&V, Ames)
- Ames daily safety meetings

Summary of Concerns: None.

CC&V: Daily updates, reporting, and scheduling are some of the tasks occurring between CC&V Projects, Amec Foster Wheeler, and Ames.

Miscellaneous: Ames canceled earthwork operations for the dayshift on January 29th due to dense fog. Ames also shut down around 3:00 pm through the night shift on January 30th due to snow. Ames did not perform any construction related activities for both day and night shifts on Sunday January 25th, and Saturday January 31st.

Mine Operations delayed starting their night shift ore haul operations on January 30th until after 10:30 pm to clear snow from the SGVLF haul road.

Deliveries: None.

Submitted by: Eric Lorensen


Date: February 2, 2015

Reviewed by: 

Tim Burkhard
Project Resident
Phone: 719-689-2986

Date: February 2, 2015

CC&V Projects

Reviewed By: 

Date: 2/4/15

Reviewed By: 

Date: 2-4-15

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
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ATTACHMENT A

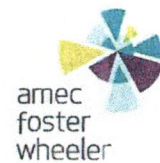
Amec Foster Wheeler - 2015 CQA Field Staff Schedule MLE2

Name	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	Jan. 25	Jan. 26	Jan. 27	Jan. 28	Jan. 29	Jan. 30	Jan. 31
Tim Burkhard		PR	PR	PR	PR	PR	PR
Steve Rice		UG	UG	UG	UG		
Ben Melly	ST	ST	ST	ST	ST	ST	
Robert Redd		UG	UG	UG		UG	
Tyler Browning		ST	ST	ST	ST	ST	ST
Eric Lorenson		ST	ST	ST	ST	ST	
Denis Koval		ST	ST	ST			
Rick Buxton	ST						
Razi Molloy		LT	LT	LT	LT	LT	
Andrea Meduna				PM			
Rich Weber				UM			

LEGEND:

UM = Unit Manager
 PM = Project Manager
 PCE = Project Certifying Engineer
 PE = Project Engineer
 PR = Project Resident
 LG = Lead Geosynthetics Engineer
 LS = Lead Soils Technician
 ST = Soil Technician
 LT = Laboratory Technician
 GL = Geosynthetics Lead
 GT = Geosynthetics Technician
 FLM= Field/Laboratory Manager
 UG = Underground Working Remediation
 SE = Senior Engineer
 GS = Geophysics Survey Geologist
 HY = Highway Design Engineer

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
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SQUAW GULCH (VLF) WEEKLY REPORT**



Photographs of Activities



Photo 1: Spent Ore Placement in the PSSA



Photo 2: Phase 2 Topsoil Stripping

**CRIPPLE CREEK & VICTOR GOLD MINING Co.
ANGLOGOLD ASHANTI (COLORADO)
SQUAW GULCH (VLF) WEEKLY REPORT**



Photo 3 Coning Underground Working #6594 in Preparation for a Concrete Plug



Photo 4: Phase 1 Structural Fill Placement