



Cripple Creek & Victor Gold Mining

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

Operations Office

P.O. Box 191 · 100 North 3rd Street
Victor, Colorado 80860
(719) 689-2977 – Fax (719) 689-3254

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APR 25 2014

DIVISION OF RECLAMATION
MINING AND SAFETY



24 April 2014

Mr. Timothy Cazier, P.E.
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

✓ AF & Report
✓ MV-1995-007
MV-1995-050
MV-1995-070

Re: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company ("CC&V");
Cresson Project; – Request for Technical Revision ("TR-70") Adjustment of location for
Squaw Valley Leach Facility ADR (SADR)

Dear Mr. Cazier:

TR-70 to Amendment No. 10 of Permit M-1980-244 ("AM10"), is to authorize relocating the Squaw Gulch ADR Building (SADR) from on top of the Process Solution Storage Area (PSSA) of the Squaw Gulch Valley Leach Facility (SVLF) to a lined area just North/Northwest of the PSSA. The elevation of the building will remain constant. Relocation of the building will include excavating and lining a previously unlined area, rearranging the original building placements and realigning the access road that was included in the original application for AM10. The entire TR is located inside the original footprint of the AM10 area of disturbance. TR-70 is in scope with the Cresson Project Mine Development Plan ("MDP").

In addition to the TR to DRMS, CC&V will apply to the Teller County Planning Department for a *No Impact Technical Revision* for the facility relocation. A copy of that application is attached to this document. In due course once the building design is complete our General Contractor Ames Construction will apply to Teller County Building Department for appropriate building permits for the construction of the ADR complex.

The ADR building was originally located directly on top of the West/Southwest end of the PSSA. It is being proposed as part of this Technical Revision ("TR") to relocate the SADR to a new location 350' to the Northwest, using a modified access road. While this TR is entirely within the permit boundary of the AM10, it is a change from the original MLE -2 application. The new location of the SADR is approximately 600' from the edge of property owned by

stakeholder during the AM-10 process (see Cresson Project Mine Life Extension 2 Permit M-1980-244 Volume 1 Exhibit 0 – 2012). Contractually by private agreement, the Cripple Creek & Victor Narrow Gauge Rail Company (CC&VNGRC) has been allowed to operate on CC&V property to within 50' of the property boundary of 24-15-70 9109 Mollie MS. The new SADR location is 61' from the nearest point on the now abandoned narrow gauge line in 9109 and approximately 210' from the new terminus of the rail on 24/25-15-70 8773 Mary Wayne, Silver Bell MS, which by the terms of the agreement between CC&V and CC&VNGRC must be no closer than 50' from the boundary of 9109 (see ADR Plant and Platform and PSSA Final Grading Drawing A-207 Rev. 1 for a map of the relationship between those facilities). The building site will not disturb any new ground not previously described as disturbed by construction as presented in AM10.

The entire footprint of the change to lined area is approximately 2.2 acres. All development is on land owned by CC&V within AM10 permit boundary. A total of 71 design drawings had to be reviewed and/or altered as a result of TR-70. These are listed in Table 1 at the end of the letter and 3 copies of each drawing are attached to the package. The drawing package included with this application is the IFC drawing set for SADR. Attached with this letter is a cross-reference for the Amendment 10 drawings and their equivalent IFCs prepared by AMEC.

CC&V is planning to start constructing the facility in first quarter 2015, following approval of this TR by the Colorado Division of Reclamation, Mining and Safety ("DRMS") and appropriate approvals from Teller County.

Purpose of Building Move

The building was moved to get all compacted fill and foundation work away from the main PSSA lined area and into an adjacent area that ties into the PSSA. The area will be excavated to accommodate only the depth of liner needed for construction purposes and will slope into the main PSSA for containment purposes.

Additional lined area and related changes

The building site adds approximately 110,000 square feet of double lined area, 3,917 cubic yards of Soil Liner Fill, 11,756 cubic yards of Low Volume Solution Collection Fill, 8,218 cubic yards of Drain Cover Fill, 40,983 cubic yards of Crushed Material and 804 feet of Anchor Trench to the PSSA area.

The Low Volume Solution Collection riser pipes and pumps will be installed as originally planned or may be moved to the Southwest corner of the PSSA. Final location is pending the building location.

The access road still parallels the toe berm and drops to the 9450' elevation while extending over to the new location.

Financial Warrantee Review

While the TR expands upon the lined area, it does not require a larger disturbance footprint for the VLF than already approved in AM-10 and the ADR complex remains similar in size and function to what was approved in AM-10, therefore CC&V believes that no change to the existing Warrantee is required by this TR.

A check in the amount of \$1,006 for this technical revision request is attached.

Please contact me at (719)-689-4055 should you have questions or wish to discuss this request for a technical revision.

Sincerely,



Timm Comer
Manager, Environmental Resources

xc: Lor Pellegrino, Teller County Planning
Byron Hakes, Mayor, City of Victor
Attachments: Referenced Drawings in Table 1
Enclosure: Check No. 134060

Table 1

Drawing Name	Drawing#	Rev#
Existing Site Conditions	A-20	2
Geotechnical Investigations	A-25	1
Site Geology Map	A-40	1
Historic U/G Workings	A-60	1
Table of Historic U/G Workings Sheet 1	A-65	0
Table of Historic U/G Workings Sheet 2	A-66	0
Table of Historic U/G Workings Sheet 3	A-67	0
Soil Liner Fill Barrow Area Sheet 1	A-80	1
Soil Liner Fill Barrow Area Isopach	A-82	1
Soil Liner Fill Barrow Area Sheet 2	A-85	0
Phase 1 Squaw Gulch Grading Plan	A-200	2
Phase 1 Squaw Gulch Grading Plan Isopach	A-201	1
Phase 1 Grading Alignment Plan View	A-202	2
Phase 1 Grading Horizontal Alignment Data	A-203	1
PSSA Embankment Layout	A-204	1
ADR Plant Platform Top Section of Secondary Liner Grading Plan	A-205	1
ADR Plant Platform Top of Primary Liner Grading Plan	A-206	1
ADR Plant Platform PSSA Final Grading Plan	A-207	1
ADR Plant Platform Sections and Details	A-208	0
ADR Plant Platform Access Road Plan and Profile	A-209	0
Phase 2 Squaw Gulch Grading Plan	A-210	2
Phase 2 Squaw Gulch Grading Plan Isopach	A-211	2
Phase 2 Grading Alignment Plan View	A-212	1

Drawing Name	Drawing#	Rev#
Phase 2 Grading Horizontal Alignment Data	A-213	1
Overall liner Limits	A-215	2
Valley Leach Facility Sections and Details Sheet 1	A-220	1
Valley Leach Facility Sections and Details Sheet 2	A-230	1
Haul Road Plan and Profile Sheet 1	A-240	2
Haul Road Plan and Profile Sheet 2	A-241	2
Haul Road Plan and Profile Sheet 3	A-242	2
Haul Road Plan and Profile Sheet 4	A-243	2
South Perimeter Road Plan and Profile	A-244	1
West Perimeter Road Phase 1 Plan and Profile	A-245	1
West Perimeter Road Phase 2 Plan and Profile	A-246	1
North Perimeter Road Plan and Profile Sheet 1	A-247	0
North Perimeter Road Plan and Profile Sheet 2	A-248	1
PSSA Crest Plan and Profile	A-249	2
Under Drain Details Sheet 1	A-250	0
Under Drain Details Sheet 2	A-255	1
Primary Under Drain Plan and Profile	A-256	2
Leak Detection and Typical Erosion Control Detail	A-260	0
Under Drain Pump Back Pipe State Highway 67 Crossing Sections and Details	A-265	2
U/G Working Remediation Typical Details	A-270	0
PSSA Layout	A-300	2
PSSA Sections and Details Sheet 1	A-310	1
PSSA Sections and Details Sheet 2	A-314	0
PSSA Sections and Details Sheet 3	A-316	1
PSSA Sections and Details Sheet 4	A-320	1
PSSA Riser Sections and Details Sheet 1	A-330	2
PSSA Riser Sections and Details Sheet 2	A-340	0
PSSA Riser Sections and Details Sheet 3	A-345	1
PSSA Riser Sections and Details Sheet 4	A-346	0
PSSA Riser Sections and Details Sheet 5	A-350	1
Closure Drain Grading Plan and Section	A-360	1
High Volume Solution Collection Piping Layout	A-400	2
High Volume Solution Collection System Details	A-410	0
Low Volume Solution Collection System Details Sheet 1	A-420	2
Low Volume Solution Collection System Details Sheet 2	A-430	0
LVSC Drain Pipes Layout	A-440	2
Sediment Detection Pond Phase 1 Sections and Details	A-502	0
Phase 1 Surface Water Diversion Channel Plan and Profile Sheet 1	A-505	1
Phase 1 Surface Water Diversion Channel Plan and Profile Sheet 2	A-512	0
Phase 2 Surface Water Diversion Channel Plan and Profile Sheet 1	A-520	0
Phase 2 Surface Water Diversion Channel Plan and Profile Sheet 2	A-530	0
Surface Water Diversion Sections and Details	A-550	1
Timber Wall Sections and Details Sheet 1	A-800	2

Drawing Name	Drawing#	Rev#
Timber Wall Sections and Details Sheet 2	A-801	2
Timber Wall Sections and Details Sheet	A-802	2
North Timber Profile View	A-805	1
South Timber Wall Profile View	A-806	0



Cripple Creek & Victor Gold Mining Company
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24 April 2014

Lynda Morgan
Director of Community Development Services Division
Teller County
P.O. Box 1886
Woodland Park, CO 80866

Re: No Impact -Technical Revision (TR) (Appendix A - Section 8.A) of Cripple Creek and Victor Gold Mining (CCV) Permit No. M-1980-244 – Cresson Mine Development Plan (MDP) for the relocation of the proposed Squaw Gulch Valley Leach Facility (SVLF) Absorbstion, Desorbstion, Recover Plant (SADR)

Dear Ms. Morgan,

Please accept the following letter as CCV's application for a No Impact Technical Revision of the MDP to accommodate the relocation of the proposed site SADR, which will be located within the previously approved disturbance boundary of the of the Squaw Gulch Valley Leach Facility. It is being proposed in this TR, which is based on the attached TR-70 application to DRMS, to move the location of the ADR about 350' from the location described in Permit No. M-1980-244 Amendment 10 (AM-10) to the west. The DRMS application, drawing package, and a cross-reference for the Amendment 10 drawings and their equivalent IFCs prepared by AMEC are attached to this application.

Based on following analysis of the criteria of Appendix A – Section 8.B.3 a No Impact – Technical Revision is deemed appropriate because:

- a. There is no increase in the affected acreage of a Mine Land Reclamation Permit issued by the State of Colorado and, as applicable is consistent with the previous level of disturbance:**

This proposed relocation is within the disturbance footprint of Phase 1 of the SVLF as defined in AM-10, and does not increase the acreage of the of the DRMS Permit Boundary (see elements b –e of the Section 7 analysis below in this application and the cloud on drawing A020 in the attached DRMS TR-70 application).

- b. The change remains within the approved Mined Land Reclamation Permit boundary:**

The proposed change remains within the approved DRMS Permit boundary of AM-10 for Phase 1 of the SVLF (see cloud on drawing A020 in the attached DRMS TR-70 application).

- c. There is no material change in the approved Mined Land Reclamation Permit nor any change in the approved post-precious metal mining use:**

The proposed TR does not increase the level of disturbance approved in AM-10. This TR is simply to move the SADR 350' from on top of the Process Solution Storage Area (PSSA) of the SVLF to a lined area on the North/Northwest edge of the PSSA (see drawing A207 in the attached DRMS TR-70 application). The building was moved to get all compacted fill and foundation work away from the main PSSA lined area and into an adjacent lined area that is part of the PSSA liner. The new site will be excavated to accommodate the depth of liner needed for construction purposes and will slope into the main PSSA for containment purposes. This change will create a more stable location for the SADR without materially changing the approved Mined Land Reclamation Permit or the approved post-precious metal mining use.

- d. There are no material additional demands on Teller County services or infrastructure:**

There will be no material additional demand on Teller County services or infrastructure as the TR simply moves a building with an existing disturbed area.

- e. The change has no impact on adjoining land uses:**

There is no additional impact on adjoining land owners beyond that that has already been mitigated for AM-10. See section d. of the analysis below in this application for the specifics on land owners

- f. The activity does not impact the Standards of Section 7 Mining Development Plan Standards**

The elements of Section 7 are analyzed below. That review indicates that the proposed TR does not impact the Standards of Section 7 in any manner not previously approved in AM-10.

- g. The terms and conditions attached to any approved MDP, if any are not affected.**

The MDP has been reviewed and none of the conditions are affected.

- h. The activity itself, if not the particulars, is part of the approved MDP.**

Moving the location of the SVLF ADR previously approved in AM-10 with in the existing disturbance foot print of Phase 1 of the SVLF is consistent with the approved MDP.

No Impact – Technical Revision Application

- a. Name, address and telephone number of the Applicant**

Cripple Creek and Victor Gold Mining Company (CC&V) – Chris Hanks (contact)
P.O. Box 191, Victor, CO 80860
719-689-4048 (office)
719-689-3254 (fax)
chanks@anglogoldashantina.com

- b. General legal description of the total property, including the County Assessor's tax parcel identification number (PIN), all or part of which may be the specific subject of the MDP or MDP Amendment application.**
- c. Specific legal description of that portion of the property which is the subject of the MDP or MDP Amendment application, if different than the total property.**
- d. Total acreage of the entire property and also that portion subject to the MDP or MDP Amendment application if not the same as the entire property.**
- e. Existing zone district(s) and uses of the entire property, and also that portion subject to the MDP or MDP Amendment application if not the same as the entire property.**

The SADR is proposed to be located on three parcels within the AM-10 boundary that are owned by CC&V. These are:

- 24/25-1570 9344 Little Magnolia MS
- 19/24-1569 7429 Blanch, Blue Bell
- 24-15-70 8889 Trip Taw MS

The entire footprint of the change to lined area is approximately 2.2 acres, but the overall development area approved by AM-10 of 4670 acres remains unchanged.

2. Specific Submittal Materials. In addition to the Application Form and any authorizing statement(s) required to be submitted, the following shall also accompany the application:

- a. Disclosure of Ownership.** A listing of all surface and mineral owners as listed in *Section 3.D.2.c Documentation of Mailed Notice* below.
- b. Proof of Legal Right to Enter and Mine.** A copy of the complete signed and notarized statement, including any attachments thereto, of Applicant's legal right to enter and mine as required by the State Division of Reclamation Mining and Safety.
- c. Documentation of Mailed Notice.** Documentation of mailed notice of the filing of an Application for a Mined Land Reclamation Permit to all owners of mineral and surface estates in the MDP or MDP Amendment application area as required by the State of Colorado.

A full disclosure of ownership and right to enter was provided in MLE-2 Land Use Application Form of February 28, 2012 to Teller County. The facts of this disclosure remain unchanged, the land and mineral rights in the area of the proposed modification are owned by CC&V. No mailed notice of the application was necessary for the Mined Land Reclamation Permit Technical Revision as the rights are all owned by CC&V. The aligned portions of 9344, 7429 and 8889 contained in the former right of way for State Highway 67 are being quick deeded to CC&V by the Colorado Department of Transportation (CDOT) and will be finalized in mid-2014 when the State formally accepts the new section of Highway 67 that crosses the toe berm. The old road has already been removed as part of ongoing SVLF construction by agreement with CDOT.

d. Adjacent Property Owners List. The names and addresses of all surface property owners adjacent to the boundaries of the land area proposed for the MDP or MDP Amendment, compiled using the most recent Teller County *ad valorem* tax rolls. For the purposes of this requirement, an adjacent property means the property touching any part of the boundary of the property, in whole or in part, which is the subject of the MDP or MDP Amendment application. If

an MDP or MDP Amendment application, whether in whole or in part, is for a use on only a portion of any single legally described separate property that may, together with others, constitute the whole property, all property touching any part of that property perimeter is considered an adjacent property. If an adjacent property is a public road, trail, or right-of-way, railroad right-of-way, stream, or river, the adjacent property is the property on its opposite side.

The area of the proposed TR is land locked by 600' of CC&V land between the proposed TR and the nearest external landowners to the west and by about 70' to the south from the new alignment of State Highway 67. CC&V is actively engaged with CDOT on the Highway 67 alignment transfer. The owner of properties:

- 24-15-70 8889 Alexander MS
- 24-15-70 9206 PT Omega Lying S
- 24-15-70 9206 PT Omega Lying S of Alexander

was contacted as part of public consultation with stakeholders for AM-10 (see Cresson Project Mine Life Extension 2 Permit M-1980-244 Volume 1 Exhibit 0 – 2012).

Contractually by private agreement, the Cripple Creek & Victor Narrow Gage Rail Company (CC&VNGRC) has been allowed to operate on CC&V property to within 50' of the property boundary of 24-15-70 9109 Mollie MS. The new SADR location is 61' from the nearest point on the now abandoned narrow gage line in 9109 and approximately 210' from the new terminus of the rail on 24/25-15-70 8773 Mary Wayne, Silver Bell MS, which by the terms of the agreement between CC&V and CC&VNGRC must be no closer than 50' from the boundary of 9109 (see DRMS application ADR Plant and Platform and PSSA Final Grading Drawing A-207 Rev. 1 for a map of the relationship between those facilities).

Properties across the State Highway 67 right of way are owned by CC&V. These are:

- 24-15-70 8032 Silver Bell #1
- 24-15-70 8889 Trip Tow MS

f. Written Description. A written statement or narrative describing in detail the request and reason for the request, and stating how Applicant has met the Standards of *Section 7 Mining Development Plan Standards* for approval of the MDP or MDP Amendment, providing therewith such additional information as may be necessary to document that a particular Standard of *Section 7* not otherwise documented by other submittal requirements has been met.

7A:

2 - Noise – Relocating SADR will have the same noise profile as the original site analyzed for AM-10.

3 – Light and Glare – Relocating SADR will have the same light and glare profile as the original site analyzed for AM-10.

4 – Public Road – Relocating SADR will place the building about 70' from the edge of the Highway 67 right of way. There will be no direct access to the SADR from Highway 67. Access will be as described in drawing A-207 provided in the DRMS TR-70 application attached to this application.

5 – Sewage – Domestic waste will be handled the same way as described and previously approved in AM-10.

6 – Visual Resources – As with the previously approved design for AM-10, the SADR will be visible from State Highway 67.

7 – State and Federal Approvals – See attached application for Colorado TR-70.

8 – Structures – The design for the SADR is as described in AM-10.

9 – Emergency Response – Emergency Response will be handled as a component of the CC&V plan for the Cresson Project MLE-2.

10 – Signs, Berms and Fencing – As previously approved in AM-10 there will be a chain link fence along the edge of the Highway 67 right of way.

11 – Drainage - As previously approved, the SADR will sit on the SVLF liner system and so there will be no discharge from this self-contained system to the environment.

12 – Reclamation - TR-70 does require a change to the existing warrantee estimate.

Based on Appendix A Section 3.D.2.k of the Teller County Land Use Regulations there is not fee due for a No Impact Technical Revision.

In due course once the building design is complete our General Contractor Ames Construction will apply to Teller County Building Department for appropriate building permits for the construction of the ADR complex.

Thank you for your time and consideration of our application. If you have any questions please feel free to contact me at (719) 689- 4048 or by e-mail at <CHanks@AngloGoldAshanti.com>

Sincerely yours,



Chris Hanks
Chief Environmental Coordinator
Cripple Creek and Victor Gold Mining Company

Attachments



Cripple Creek & Victor Gold Mining

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

Operations Office

P.O. Box 191 · 100 North 3rd Street
Victor, Colorado 80860
(719) 689-2977 – Fax (719) 689-3254



SENT CERTIFIED, RETURN RECEIPT REQUESTED
7011-0470-0000-4833-9575

28 April 2014

Mr. Timothy Cazier, P.E.
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

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APR 29 2014

**DIVISION OF RECLAMATION
MINING AND SAFETY**

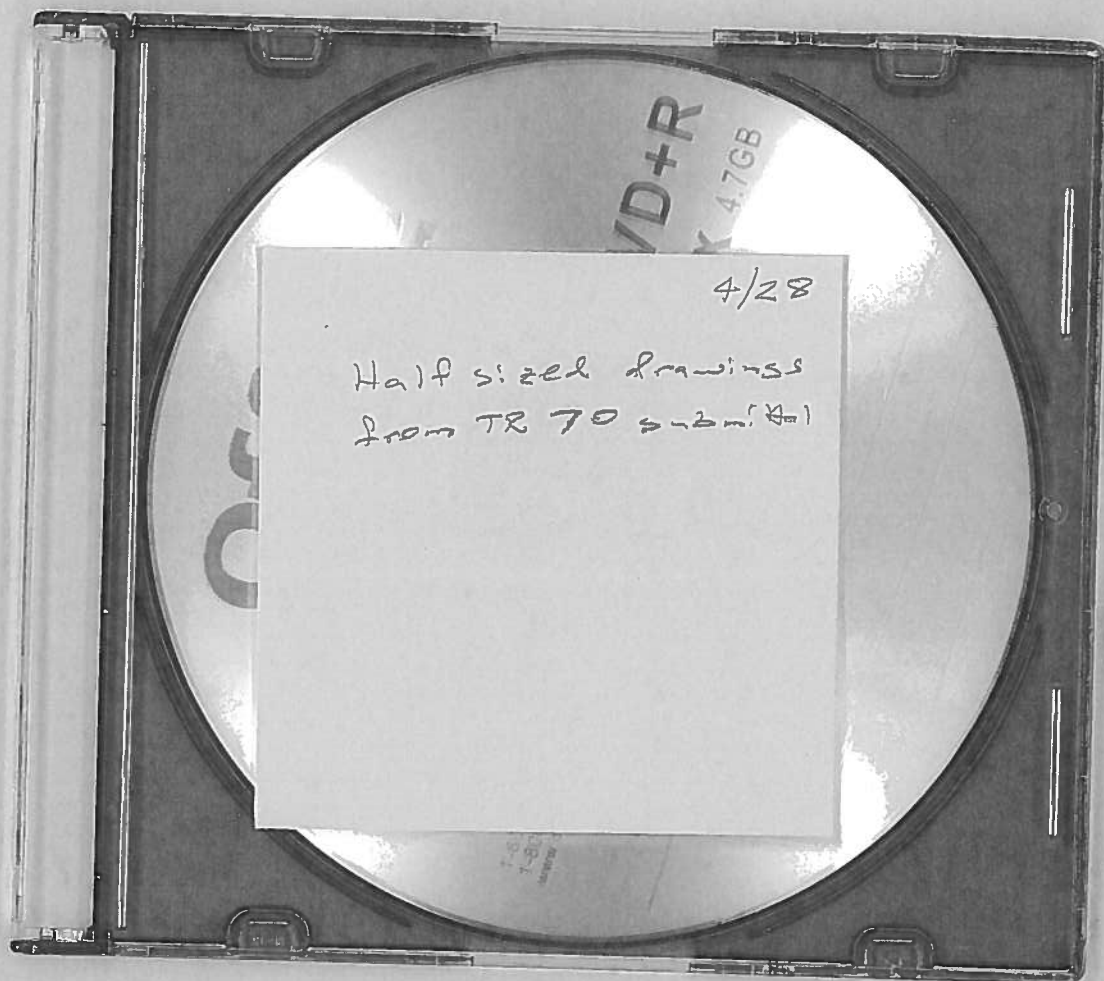
Re: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company ("CC&V");
Cresson Project; – Request for Technical Revision ("TR-70") Adjustment of location for
Squaw Valley Leach Facility ADR (SADR)

Dear Mr. Cazier:

Please find enclosed, per your request, a disc containing the drawings for Technical Revision #70. We are happy to accommodate you and your staff. We have the same issues here.

Sincerely,

Chris Hanks
Chief Environmental Coordinator



4/28

Half sized drawings
from TR 70 subm (41)



7011 0470 0000 4833 9575



Cripple Creek & Victor Gold Mining Company

A Joint Venture - **ANGLOGOLD** (COLORADO) CORP., Manager

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Environmental Protection Specialist
Colorado Department Of Natural Resources
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203



Division of Reclamation, Mining, and Safety

Fee Receipt for M1980244

Cripple Creek & Victor Gold Mining Company

000000000

Receipt #: 17314

Date: 04/29/2014

Permit: M1980244

Payment Method	Revenue Code	Fee Description/Notes	Amount
0000134060 ms	4300-11	Minerals Technical Revision M1980-244	\$1,006.00

Receipt Total:	\$1,006.00
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