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Internal
C/007/0001
#3265
R

From: April Abate
To: Daron Haddock; Priscilla Burton
CC: OGMCOAL@utah.gov
Date: 6/17/2009 9:18 AM
Subject: Stream Permit Application Package - White Oak Task #3265
Place: OGMCOAL@utah.gov
Attachments: Stream Permit Application.pdf; April Abate.vcf

Priscilla,

Here is the application package that goes to Rick Wilde at the Division of Water Rights. This document and the supporting documents are located in: O:\007001.WO\Stream Permit Application Jun 2009

Daron - Please review and comment.

April A. Abate
Environmental Scientist II
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114-5801
T: 801.538.5214
F: 801.359.3940
M: 801.232.1339

JOINT PERMIT APPLICATION FORM
U.S. ARMY CORPS OF ENGINEERS - FOR SECTIONS 404 AND 10
UTAH STATE ENGINEER'S OFFICE - FOR NATURAL STREAM CHANNELS

Application Number _____ / _____

(Assigned by): _____

Corps _____

State Engineer _____

Applicant's Name (Last, First M.I.) Division of Oil, Gas & Mining - Coal Regulatory Program		Authorized Agent April Abate		Telephone Number and Area Code (801) 538-5214	
Applicant's Address (Street, RFD, Box Number, City, State, Zip) 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801					
PROJECT LOCATION					
Quarter Section(s) NW 1/4	Section 30	Township T13S	Range R7E	Base & Meridian Salt Lake	
County Carbon	Watercourse to be altered Whiskey Creek			Check one: _____ Within City Limits <input checked="" type="checkbox"/> Outside City Limits List town or nearest town:	
Project location or address: Former White Oak Mine Site Scofield Route, Helper, Utah					
Brief description of project: The project seeks to repair a segment of Whiskey Creek that has become entrenched and is actively downcutting in the steepest segments. Previous channel work under permit # 00-91-24SA was completed between 2003-2005. Since then, drop structures have lost their integrity and filter fabric is exposed along a segment of stream. In the steepest gradient rip rap and filter fabric has washed away and the channel has been downcut over 7 feet (see photographs). The proposed repairs include: Planting the length of both channel banks (1,200 feet) with riparian species of trees, shrubs, reeds and stoloniferous grass (proposed plant list attached); Installation of drop structures created with boulders and fallen trees, along 600 ft. of the channel to dissipate energy while allowing gradient change. Regrading 300 ft. the steepest entrenched portion of the channel to widen the channel bottom and create a flood plain above a drop to a holding pool; Installing sediment controls and shrub seedlings in erosion gullies leading to the channel.					
Purpose (justification) of project: The purpose is to stabilize the ephemeral channel to carry snowmelt and storm flows without transporting sediment downstream and to create a well vegetated channel that mimics the pre-mining environment. The Site Location Map presents the project area with the affected area of Whiskey Creek outlined. The Detail Map depicts the approximate 1,200 foot length of the affected portion of Whiskey Creek as well as boundaries of the reclaimed portions of the mine. The final figure represents 3 different views of the proposed drop structures to be installed to aid in energy dissipation.					
Is this a single and complete project or is it part of a larger project, continuing project, or other related activities? If so, please describe the larger project or other related activities. The stream repair work is part of a larger project to make improvements to the unstable, reclaimed mine site. Other proposed repairs include: compaction of a sinkhole that formed near the former mine portals and terracing, reseed and mulch the steep slopes where erosion is reducing reclamation success.					
If project includes the discharge of dredged or fill material into a watercourse or wetland: Cubic yards of material: This section is not applicable. Acreage or square footage of waters of the United States, including wetlands, affected by the project: Source and type of fill material:					

Alternatives (other ways to accomplish the project purpose):

No alternatives are proposed. The repairs are a necessary attempt to improve hydrologic function of the stream channel and enhance the aesthetics of the area.

COMPLETE names and addresses of adjacent property owners (immediately upstream and downstream) or other individuals who may be affected by this project:

Milton A. Oman, LTD
c/o Darron Caine
1504 East Zenith Avenue
Salt Lake City, UT 84093

Hilda M. & Robert G. Hammond
2912 Redwood Avenue
Costa Mesa, CA 92626

Blue Ridge Services, LLC
c/o Denise Dragoo
Snell & Wilmer, LLP
15 W. South Temple, Suite 1200
Salt Lake City, UT 84101

List other authorizations required by Federal, state or local governments (i.e. : National Flood Insurance Program), and the status of those authorizations.

Division of Oil, Gas, & Mining Permit No. 007/0001 - White Oak #1 and #2 Mine

Estimated starting date of project:

7/1/2009

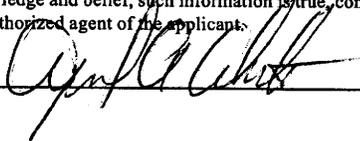
Estimated completion date:

10/31/2009

(If project has already been partially or totally completed, indicate date of work. Indicate existing work on drawings).

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant.

Signature of Applicant



Date

6/10/2009

I hereby certify that

is acting as my agent for this project.

Agent's address and telephone number:

INSTRUCTIONS

Applications which do not include the following will not be processed.

For a complete application, you MUST include the following on 11 X 17 or smaller paper (for large projects, multiple sheets with a key may be used). Clear, hand-drawn plans approximately to scale are acceptable.

1. An accurate location map (USGS quadrangle map preferred)
2. A plan view of the proposed activity (as seen from above) including dimensions of work.
3. A cross-section view of the proposed activity (may use typical cross-section for large projects) including dimensions.
4. For projects which include wetlands, an accurate wetland delineation must be prepared in accordance with the current method required by the Corps.



Figure 1. Section 4A Whiskey Creek. Channel has been damaged by heavy rainstorm activity.



Figure 2. Close up view of deeper section of the channel.

Whiskey Creek Riparian Planting List

Dormant Cutting or Plug for 1-foot grid spacing waterline to mid-bank

Nebraska Sedge (*Carex nebrascensis*)

Baltic rush (*Juncus balticus*)

Creeping Spikerush (*Eleocharis palustris*)

Hardstem Bullrush (*Scirpus acutus*)

Dormant Cutting or Plug for 2-foot grid spacing waterline to mid-bank

Drummond Willow (*Salix drummondiana*)

Coyote Willow (*Salix exegua*)

Redosier Dogwood (*Cornus sericea ssp. sericea*)

Plug for 5-foot grid Spacing mid-bank

Skunkbush sumac (*Rhus trilobata*)

Silver Buffaloberry (*Shepherdia argentea*)

Saskatoon Serviceberry (*Amelanchier alifolia*)

Plug for 10-foot grid Spacing along overbank zone

Engleman Spruce (*Picea engelmannii*) along north facing banks

Rocky Mntn. Douglas fir (*Pseudotsuga menziesii*) along north facing banks

Mountain Ash (*Sorbus scopulina*) along north facing banks

Quaking aspen (*Populus tremuloides*) along south facing banks

Water Birch (*Betula occidentalis*) 10-foot spacing along south facing banks

Whiskey Creek Riparian Seeding List

Beardless Wildrye (*Leymous triticoides*)

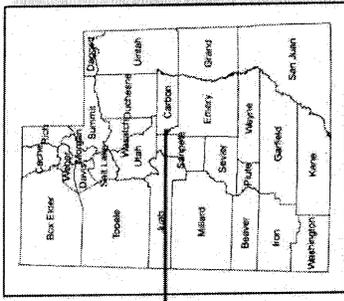
Mountain Brome (*Bromus carinatus*) var. "Bromar"

Streambank Wheatgrass (*Elymus lanceolatus* ssp. *Riaparium*)

Creeping Meadow Foxtail (*Alopecurus arundinaceus*)

**White Oak
Detail Map
for
Permit Approval
C/007/001
6/10/2009**

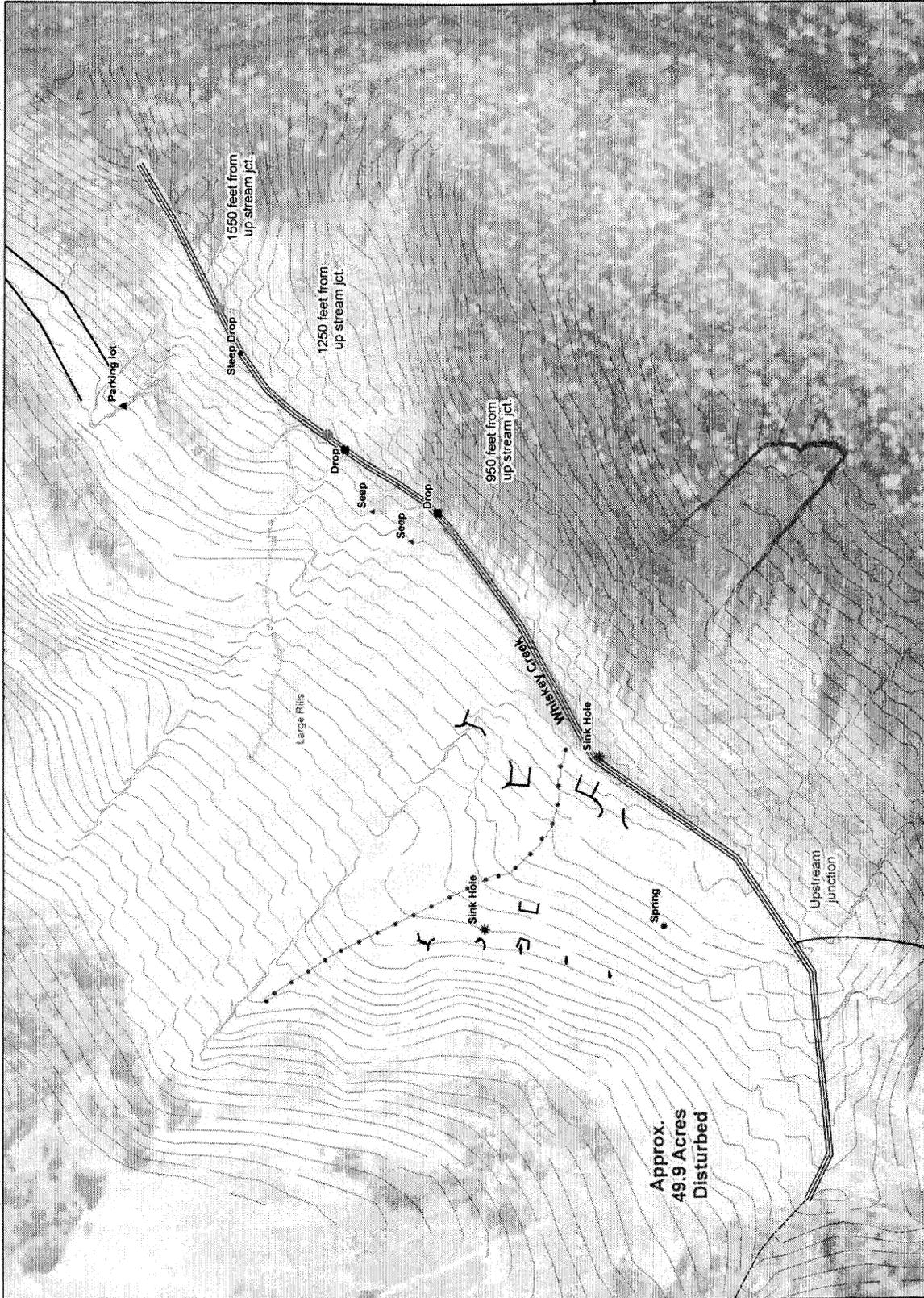
- Legend**
- Misc Points
 - Contour Interval
 - Salt Pile
 - Drop
 - ▲ Parking lot
 - ▲ Well
 - ▲ Sink Hole
 - ▲ Spring
 - ▲ Obstacle
 - ▲ Obstruction
 - ▲ M&E Block
 - ▲ Contour Interval
 - ▲ Access Road
 - ▲ Damage
 - ▲ Riprapped segment
 - ▲ Large fill
 - ▲ Access road
 - ▲ Damaged Stream Channel
 - ▲ Obstruction
 - ▲ No Area

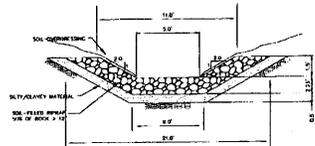


Locator Map

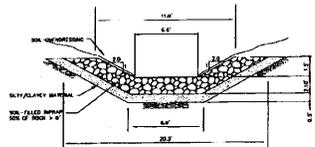


1:2,000
1 in = 167 ft
ProjectDetailPermit.mxd
NAD 1983 UTM Zone 12N

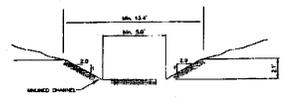




Cross-Section 1
NTS



Cross-Section 2
NTS



Cross-Section 3
NTS



EarthFax Engineering, Inc.
Engineers/Scientists



DATE	BY	DATE	BY

DESIGNED BY	
DRAWN BY: FJD	
CHECKED BY: RBW	
DATE: 8/2003	
APPROVED BY: BG	
DWG DATA: UC004-01 CHANNEL.DWG	

WHISKEY CREEK MINE
SCOFIELD, UTAH

PROPOSED CHANNEL PLAN VIEW

SHEET 1 OF 1