1237806 - R8 SDMS

01/01/1111

9/13/01 - 5/21/03

7530-00-274-5494

FEDERAL SUPPLY SERVICE

(GPO)

1237806 - R8 SDMS

RICO ARGENTINE

01/01/1111

9/19/01 - 5/21/03

7530-00-274-5494

FEDERAL SUPPLY SERVICE

(GPO)

RICO, COLORADO

MAY 13, 2003

Deliberative Product

Purpose: to update management regarding the current status on the Rico site and to affirm EPA direction.

Status of the Rico site	Recommendations
Water -	
TMDL - Dolores/ Hg, Silver Cr/ Zn, Cd	Assist in data gap analysis & coordination
CDPHE - Water Quality Assessment	Continue support NPDES development for multiple discharges
NPDES oversight enforcement	Money to be placed in special account
Brownfields (BF) -	Extend influence of water quality issues to voluntary cleanup sites & targeted BF
Voluntary cleanup (1997)	
Targeted Brownfields Assessment	Continue to support BF grants to State and Rico
CERCLA -	
PA/SIs in 1985 and 1994	Compile, map and analyze existing data
Private wells, gw As 220µg/l,	Additional data required
Fish tissue - mercury in McPhee Res.	ORD assistance for sediment and soils
Surface water - zinc11,800 µg/l	Seasonal flow and loading rates
Sediment and soils - Hg?	
lead 20 - 12,000 mg/kg	PA/SI for targeted human health risks
cadmium 3- 84 mg/kg,	
copper 9-660 mg/kg	
Land transfers and proposed development	
Master plan with 300 additional residences	Need new water source, waste water treatment
Phase 1 and Phase 2 data	Soils remediation & shaft/adit closures

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PA/SI for targeted human health risks

Need new water source, waste water treatment

Soils remediation & shaft/adit closures

Conversation w/ Dan Scheppers & Mark Walker 12-9-02

1995 Mark Walker proj. manager on VCP and targeted Brownfields assessment recently.

Remaining work would be on development of economic or –

St. Louis adit discharge –

ARCO is currently doing pilot testing on treatment
ARCO considering funding RICO to do research into whether it would be part of a shell loop to hold NPDES permit.

Looked at both areas along Dolores and St Louis adit as possible area for hotel, – including heap leach pad (fairly clean) under Brownfields assessment. St. Louis found some areas of buried sludges, but still have enough area to develop.

VCP work done by ARCO summarized in a document which Mark will have copied & sent to me.

Assurances given to ARCO only related to non-water issues under VCP.

NL Industries

Rico Argentine

~~[illegible]~~

Kercher notes

Enf Atty - Sheldon Muller 6916
CI - Dave Broste - 6209
Enf Spec - Carol Potorny - 6970
CWA - Lee Hanley
Mining - Carol Russell
SSID - BU

①

9/13/01

Site Background

Emergency removal - April 2000
Tien Nguyen

Ongoing litigation (CWA)
against former owner (Webster)

Ex. 7(A)

(2)

9/13/01

Team Mtg

Sheldon Muller
Sharon Kercher
Lee Hanley
Barry Levene
Jim Hanley
Dave Broste
Carol Pokorny

Ongoing CWA litigation against 1 ~~litigation~~ individual
& the estate of another
July 1999 - discharge &
permit violations

Ex. 7(A)

CWA f
on S
tunn

St Louis T
Dolo
valley

Blane Tu
into Silve

*DW sour
Blane T

Rico is
(south of
Telluride

Rico Dev
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Marion
Wayne Webs

1994 N
W

all prop
except S

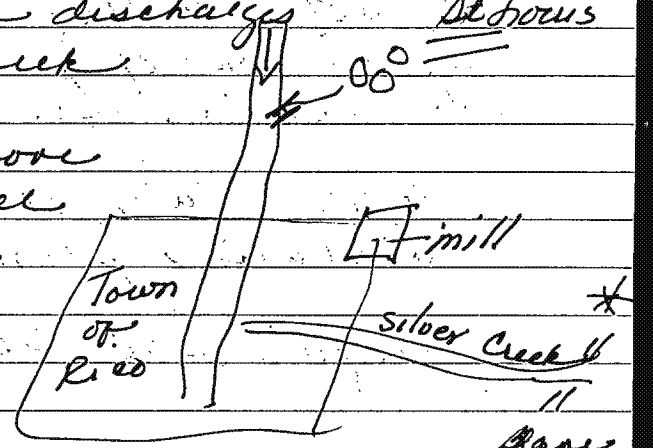
9/13/01 (3)

m Hanley
we Broste
rol Pokorny

CWA folks has concentrated on St Louis & Blaine tunnel.

St Louis Tunnel discharges into Dolores river (in a steep valley)

Blaine Tunnel discharges into Silver Creek



* SW same above Blaine Tunnel

(Rico is south of Telluride)

Ex. 7(A)

Rico Development Cogwants/wanted to develope a ski resort

Marion David Sell died 1992
Wayne Webster

1994 Rico Dev. Corp found a buyer - Rico ~~Investment~~ Properties

all prop sold to Rico ~~Investment~~ Prop except St Louis Tunnel & silo

(4) 9/13/01

Rico prop has phase I + II invest

Sept 1996 Rico prop does survey discovers they own mouth of St. Louis Tunnel + 4/5 of the ~~processing~~ plant bldg

Webster + Virginia Sell stopped operations of proc. ~~bldg~~ plant. + distrib. assets

9/96 - July/99 - Webster/Sell violating permit - Cu, Zn, Ag, Cd

Virginia Sell died early in 2001

Ex. 7(A)

ARCO did voluntary cleanup in 1996 (concentrated on Hg more so than mine waste)

ARCO attempted to see if permit standards could be modified

ARCO
plug
+ dug
of St

April
- upp
fi
al
- Ti

Silver
from
Tailin
ARCO's

Intent
PRP-lea

9/13/01 (5)

I + II

ARCO Recently resealed the plug in the Blanc tunnel & dug a ditch from mouth of St Louis to uppermost settling ponds

oes survey
mouth
c & 4/5
bldg

April of 2000
- uppermost pond developing fissures - fear of a blowout
- Tier conducted emer. rem.

ell stopped
~~bldg~~ plant.

Silver Creek is horribly stained from seepage from tailing pile addressed under ARCO's voluntary cleanup

ebster/Sell
Cu, Zn, Ag, Cd

rly in 2001

Intent is to conduct a PRP-lead action

Ex. 7(A)

anup in
Hg more
ate)

ell if
could

Team Mtg
10/4/01

800 am

Lee Hanley
Shawn Keicher
Sheldon Mueller
Dave Broste
Carol Sokorny

Mag. Judge Schlanter
CWA Case penalties inj relief (≈ 60K)
added removal cost recovery PRP

- penalties against V Sell (deceased) have been deleted

Assets - 800K — 1.2M —

Webster / Sells - only 2 parties involved

treat
from

imed
$150

Sells

propo

Ex. 7(A)

Lee Hanley
Shawn Keicher
Seldon Mueller
Dave Broste
...ise Sokorny

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V. Sell
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treat discharge from St. Louis & Blane tunnels

immediate costs ≈ 2 m + $150K/yr O+m.

Ex. 7(A)

2/21/02 Team Meeting

Joyce
Richard
Carol

Camelot Site

Excavation not necessarily the best option est. $2m

Needs ERT - unavailable last year
- advise of best technology to use
- # Chemical oxidation
- Thermal desorbtion

Joyce favors Thermal desorbtion over chemical oxidation

Needs more sampling - 1st half of April

Joyce needs to document why thermal desorbtion is better than hydrofracing

State wants cleanup this year (at least a start)

3/20/02 Rico - Mtg

Sheldon
Sharon
Case

Ex. 7(A)

Ex. 7(A)

Case R - 6310
SSID

Sheldon
Sharon
Carol

away last
spend a
few his

Ex. 7(A)

Ex. 7(A)

Non-responsive

Non-responsive

Non-responsive

Non-responsive

Non-responsive

Non-responsive

Rio-Argentine Mtg

5/21/03 - population about 250

Early PA/SI - no soils, no gw.

private wells - gw 320 ug/L - As.

problems

. Tailings

Crush

. houses

Ex. 7(A)

out 250

no gw.

g/L - As.

problems - As, Pb, Cd, Hg.

Tailings pile on Silver Creek
(remediated by Arco)

houses built on waste rock
2 Smelters
Sulphuric acid plant.

gathering additional samples
soil & gw next week to fill
in data gaps from earlier
- screening level

Ex. 7(A)

Ex. 7(A)

Timing
Need to wait on sampling - Carol
Luke to pull all together
Governor's letter

1 Removal on Rice - Tin } Sedimentation
Cost recovery done } ponds