

WELLINGTON PREPARATION PLANT

C/0070012

ANNUAL REPORT

2016

March 6, 2017

Submitted to:

STATE OF UTAH

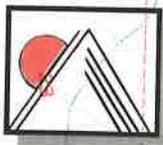
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

Permittee:

PRICE RIVER TERMINAL, LLC

3215 West 4th Street
Fort Worth, Texas 76107

MT. NEBO SCIENTIFIC, INC.



330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779



VIA: E-mail

March 6, 2017

Suzanne Steab
STATE OF UTAH
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

ATTN.: Utah Coal Regulatory Program

RE: ANNUAL REPORT - 2016
Wellington Preparation Plant (C/007/0012)

Dear Suzanne:

Please find attached an electronic file of the 2016 Annual Report for the Wellington Preparation Plant. A Reader Extended file is also attached to enable the form to be interactive with the Division.

Please contact me anytime with your questions or comments.

Sincerely,

Patrick D. Collins, Ph.D.
Resident Agent/Environmental Consultant

cc: Tim Stanley (PRT)

Print Form

Submit by Email

Reset Form

Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Price River Terminal, LLC	Mine Name	Wellington Preparation Plant
Permit Number	C/007/0012	Permit expiration Date	12/10/2019
Operator Name	Price River Terminal (PRT)	Phone Number	+1 (817) 717-1000
Mailing Address	3215 West 4th Street	Email	mt.nebo@xmission.com
City	Fort Worth		
State	Texas	Zip Code	76107

DOGMA File Location or Annual Report Location

Excess Spoil Piles

- Required
 Not Required

Refuse Piles

- Required
 Not Required

Impoundments

- Required
 Not Required

Other:

OPERATOR COMMENTS

REVIEWER COMMENTS

- Met Requirements Did Not meet Requirements

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: Slurry pond refuse analysis

Objective: To determine the chemical characteristics of the waste being uncovered by reining.

Frequency: Every 5 years beginning in 2016 as described in Section 5.23

Status: Pending initiation of reining activity.

Reports: 2016 annual report

Citation: MRP Chapt. 5 Section 5.23

Operator Comments (Optional)

This sampling was accomplished in 2016. The following final report has been attached to this document:

Evaluation of Soils
Following Coal Fines Removal
in the Upper Slurry Pond Basin
at the
Wellington Preparation Plant

Reviewer Comments Met Requirements Did Not Meet Requirements

FUTURE COMMITMENTS AND CONDITIONS

Although there are not any technical reports due for the current year, the following are required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: RIPARIAN AREA ENHANCEMENT

Objective: To enhance wildlife habitat in the riparian area within the permit area. Salt Cedars will be removed by cutting and herbicide application. Cottonwoods and willow cuttings (collected from upstream borrow area) will be planted in addition to the seed mix.

Frequency: N/A

Status: Due to the magnitude of tamarisk along the Price River, this commitment should be re-evaluated and other mitigation to enhance wildlife habitat at this site should be considered.

Reports: None

Citation: Volume I-A, Chapter 3, Section 3.42, pg. 2-3.

Title: AIR QUALITY

Objective: Should fines removal operations exceed 1,000,000 tons per year, PRT will submit an air pollution control plan.

Frequency: Once, if fine removal exceed 1,000,000 per year

Status: Have not met exceedance

Reports: Submit when approved by Division of Air Quality

Citation: Section 4.20, Page 1

Title: BASELINE WATER SAMPLING

Objective: Determine any changes in water quality data over time

Frequency: One year preceding permit renewal. Next baseline: 11/2018

Status: Have not met exceedance

Reports: Submit when approved

Citation: Section 4.20, Page 1

Operator Comments (Optional)

The Riparian Area Enhancement mentioned above has been re-evaluated by Lisa Reinhart (DOGM) and Patrick Collins (Mt. Nebo Scientific).

Reviewer Comments

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

- 1) Quarterly water monitoring is required at the site. Results from the laboratory analyses for this monitoring have been submitted to the DOGMs EDI system on a quarterly basis. The hard-copies of the lab work is also shown to DOGMs inspector during the quarterly complete inspections.
- 2) Certified Quarterly Refuse Pile inspection reports have been submitted in this document.
- 3) Certified Annual Pond Inspection reports have also been submitted herein.
- 4) Evaluation of Soils Following Coal Fines Removal in the Upper Slurry Pond Basin at the Wellington Preparation Plant

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
The Wellington MRP at the DOGM is current		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments Met Requirements Did Not Meet Requirements



MOUNTAIN

ATTACHMENTS

2016

QUARTERLY REFUSE PILE INSPECTIONS

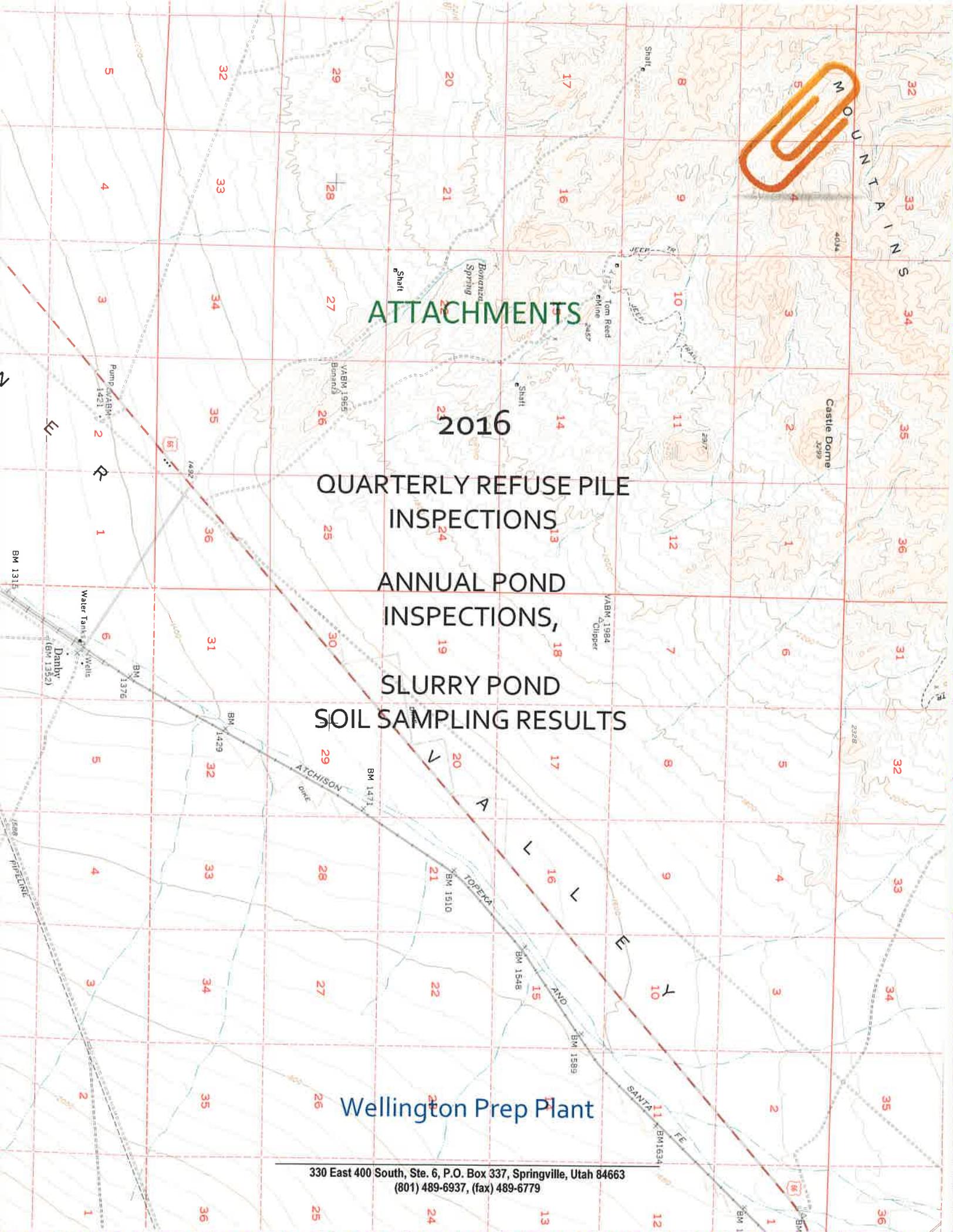
ANNUAL POND INSPECTIONS,

SLURRY POND

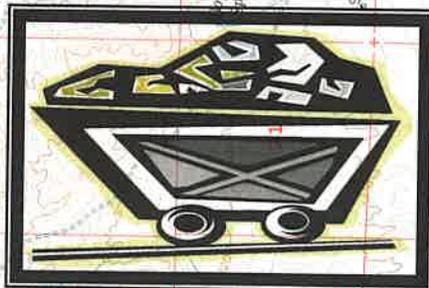
SOIL SAMPLING RESULTS

Wellington Prep Plant

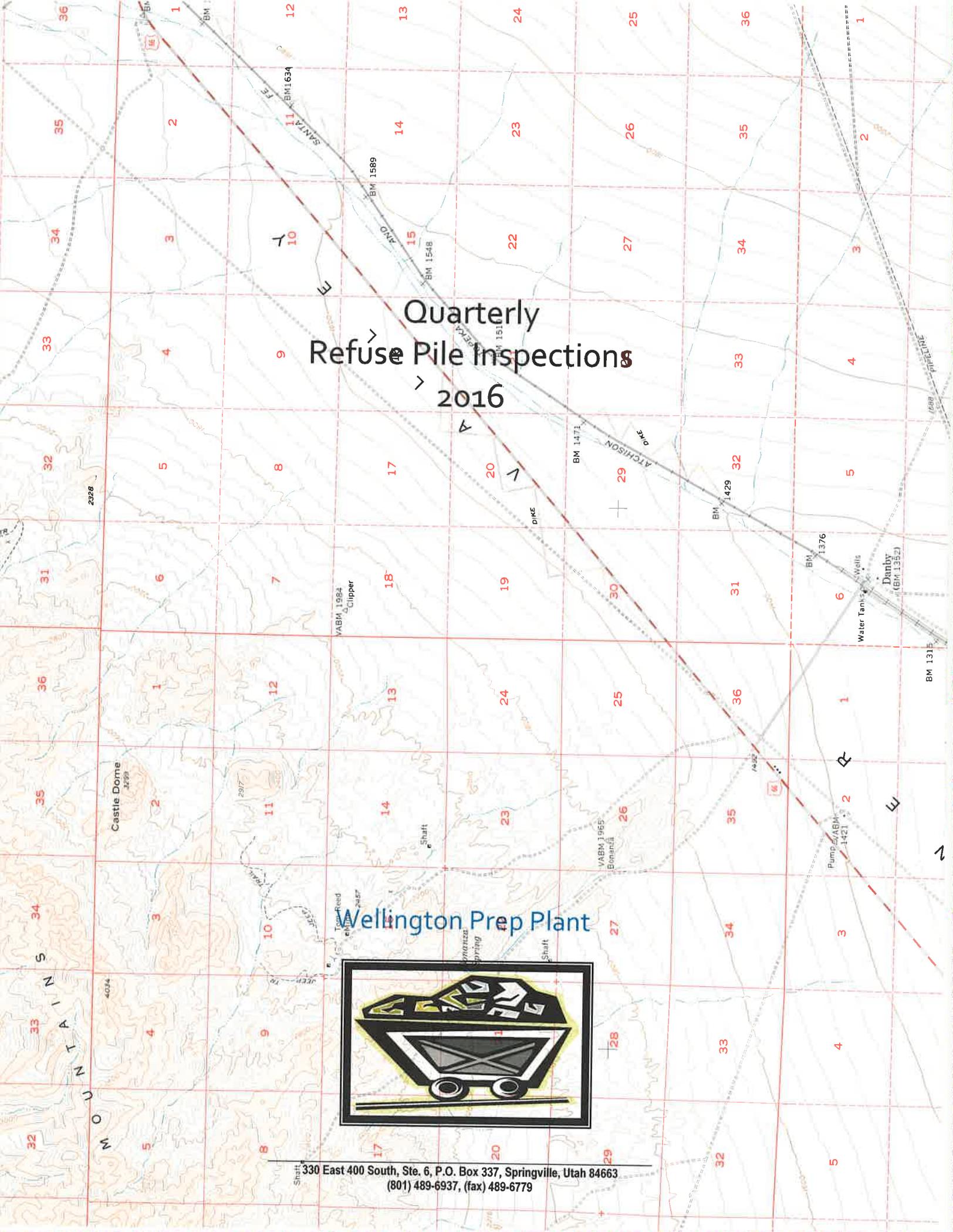
330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779



Quarterly Refuse Pile Inspections 2016



330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779



1st Quarter 2016
Refuse Pile Inspections



**PRICE RIVER
TERMINAL
East Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
1st	2016
Refuse Pile:	
Pond Refuse Pile	

Site Name:
East Wellington Site
Pile I.D. #:
1211-UT-09-00099-05

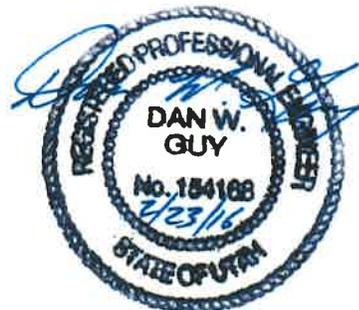
Water impounding against toe:	N/A - Dry.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Some regrading and stockpiling of fines on SW corner. Removing pond fines for power plant. No water impoundment. SW and So. toe above pond partially removed and regraded. Slope reduced – appears stable.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.

Dan W. Guy, P.E.

02/23/16

Date



**PRICE RIVER
TERMINAL
West Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
1st	2016
Refuse Pile:	
Plant Refuse Pile	

Site Name:
West Wellington Site
Pile I.D. #:
1211-UT-09-00099-01

Water impounding against toe:	Dry. No impounded water on top.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Sign - OK. No erosion or other changes noted since last inspection.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



Dan W. Guy, P.E.

02/23/16

Date



2nd Quarter 2016
Refuse Pile Inspections



**PRICE RIVER
TERMINAL
West Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
2nd	2016
Refuse Pile:	
Plant Refuse Pile	

Site Name:
West Wellington Site
Pile I.D. #:
1211-UT-09-00099-01

Water impounding against toe:	Dry. No impounded water on top.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Sign - OK. No erosion or other changes noted since last inspection.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.

Dan W. Guy

Dan W. Guy (Patrick D. Collins)

04/18/16

Date



**PRICE RIVER
TERMINAL
East Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
2nd	2016
Refuse Pile:	
Pond Refuse Pile	

Site Name:
East Wellington Site
Pile I.D. #:
1211-UT-09-00099-05

Water impounding against toe:	N/A - Dry.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Some regrading and stockpiling of fines on SW corner. Removing pond fines for power plant. No water impoundment. SW and So. toe above pond partially removed and regraded. Slope reduced – appears stable.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



Dan W. Guy (Patrick D. Collins)

04/18/16

Date



3rd Quarter 2016
Refuse Pile Inspections



**PRICE RIVER
TERMINAL
West Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
3rd	2016
Refuse Pile:	
Plant Refuse Pile	

Site Name:
West Wellington Site
File I.D. #:
1211-UT-09-00099-01

Water impounding against toe:	Dry. No impounded water on top.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Sign - OK. No erosion or other changes noted since last inspection.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



 Dan W. Guy (Patrick D. Collins)

07/27/16

 Date



**PRICE RIVER
TERMINAL
East Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
3rd	2016
Refuse Pile:	
Pond Refuse Pile	

Site Name:
East Wellington Site
Pile I.D. #:
1211-UT-09-00099-05

Water impounding against toe:	N/A - Dry.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Some regrading and stockpiling of fines on SW corner. Removing pond fines for power plant. No water impoundment. SW and So. toe above pond partially removed and regraded. Slope reduced – appears stable.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



 Dan W. Guy (Patrick D. Collins)

07/27/16

 Date



4th Quarter 2016
Refuse Pile Inspections



**PRICE RIVER
TERMINAL
West Wellington Site**

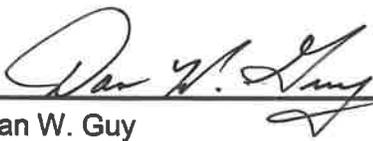
Coal Refuse Pile - Quarterly Report

Quarter	Year
4th	2016
Refuse Pile:	
Plant Refuse Pile	

Site Name:
West Wellington Site
Pile I.D. #:
1211-UT-09-00099-01

Water impounding against toe:	Dry. No impounded water on top.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Sign - OK. No erosion or other changes noted since last inspection.	

This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



 Dan W. Guy

10/15/16

 Date



**PRICE RIVER
TERMINAL
East Wellington Site**

Coal Refuse Pile - Quarterly Report

Quarter	Year
4th	2016
Refuse Pile:	
Pond Refuse Pile	

Site Name:
East Wellington Site
Pile I.D. #:
1211-UT-09-00099-05

Water impounding against toe:	N/A - Dry.
Fires on piles:	None.
Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile:	
Some additional material removed on SW corner. Removing pond fines and refuse for power plant. No water impoundment. Pile appears to be stable. Sign in place.	

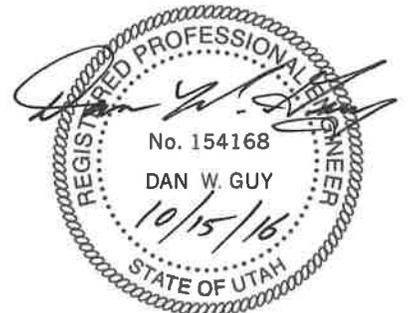
This inspection was performed by the undersigned qualified registered professional engineer, or other qualified professional specialist under the direction of the professional engineer, in accordance with the requirements of 30 CFR 816.83. The professional engineer and specialist are both experienced in the construction of similar earth and waste structures. I do hereby certify it to be a true and accurate representation of the pile at this time.



 Dan W. Guy

10/15/16

 Date



Annual Pond Inspections 2016

N E V A D A

T E S S I T E

F O R T Y M I L E

Wellington Prep Plant



**EAST PRICE RIVER TERMINAL - WELLINGTON SITE
2016 ANNUAL POND INSPECTION REPORT**

POND: Lower Refuse Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Changes in Geometry of Structure	N/A - None
(2) Instrumentation	N/A - None
(3)	Depth of Impounded Water (Minimum)
	Depth of Impounded Water (Maximum)
	Depth of Impounded Water (Present)
(4) Existing Storage Capacity	765.00 acre feet
(5) Volume of Impounded Water	Minor Water in East Perimeter Ditch.
(6) Changes Affecting Stability or Operation of the Structure	N/A - None
(7) Stability	Slopes Stable
(8) Structural Weakness/Erosion	None Noted
(9) Potential Safety Hazards	None Noted
(10) Monitoring Procedures	Quarterly/Annual Inspection
SEDIMENT PONDS ONLY	
(11) Sediment Accumulation (Elevation)	5370.4 (Average)
(12) Sediment Cleanout Level (Elevation)	5372.0
(13) Principle Spillway (Elevation)	5382.7
(14) Emergency Spillway (Elevation)	5382.7
(15) Existing Sediment Capacity (To Cleanout)	53.72 acre feet
GENERAL	
(16) Comments/Recommendations	MSHA Pond. Ditch cut around perimeter & through middle. 1211-UT-09-00099-03

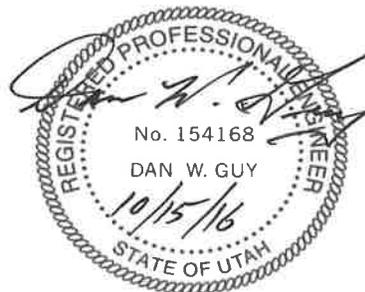
STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.


(Signature)

10/15/2016

(Date)



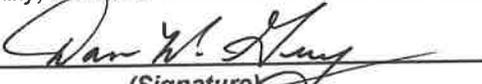
**EAST PRICE RIVER TERMINAL - WELLINGTON SITE
2016 ANNUAL POND INSPECTION REPORT**

POND: Clear Water Pond LOCATION: Wellington Site

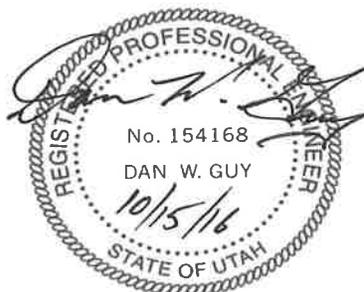
IMPOUNDMENTS	
(1) Changes in Geometry of Structure	N/A - None
(2) Instrumentation	N/A - None
(2) Instrumentation Depth of Impounded Water (Minimum)	N/A - Dry
Depth of Impounded Water (Maximum)	N/A - 1.0'
Depth of Impounded Water (Present)	Less Than 1.0' Water.
(4) Existing Storage Capacity	240.30 acre feet
(5) Volume of Impounded Water	Approx. 1.0 ac. ft.
(6) Changes Affecting Stability or Operation of the Structure	N/A - None
(7) Stability	Slopes Stable
(8) Structural Weakness/Erosion	None Noted
(9) Potential Safety Hazards	None Noted
(10) Monitoring Procedures	Quarterly/Annual Inspection
SEDIMENT PONDS ONLY	
(11) Sediment Accumulation (Elevation)	N/A
(12) Sediment Cleanout Level (Elevation)	N/A
(13) Principle Spillway (Elevation)	N/A
(14) Emergency Spillway (Elevation)	N/A
(15) Existing Sediment Capacity (To Cleanout)	N/A
GENERAL	
(16) Comments/Recommendations	MSHA Pond. Most of vegetation removed. 1211-UT-09-00099-02

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.


(Signature)

10/15/2016
(Date)



**EAST PRICE RIVER TERMINAL - WELLINGTON SITE
2016 ANNUAL POND INSPECTION REPORT**

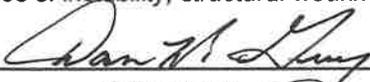
POND: Upper Refuse Pond

LOCATION: Wellington Site

IMPOUNDMENTS		
(1) Changes in Geometry of Structure	N/A - None	
(2) Instrumentation	N/A - None	
(3)	Depth of Impounded Water (Minimum)	N/A - Dry
	Depth of Impounded Water (Maximum)	N/A - Damp (Few small puddles.)
	Depth of Impounded Water (Present)	N/A - Damp (Few small puddles.)
(4) Existing Storage Capacity	275.41 acre feet. (62.19 ac. ft. added 2016).	
(5) Volume of Impounded Water	N/A - Dry	
(6) Changes Affecting Stability or Operation of the Structure	N/A - None	
(7) Stability	Slopes Stable	
(8) Structural Weakness/Erosion	None Noted	
(9) Potential Safety Hazards	None Noted	
(10) Monitoring Procedures	Quarterly/Annual Inspection	
SEDIMENT PONDS ONLY		
(11) Sediment Accumulation (Elevation)	N/A	
(12) Sediment Cleanout Level (Elevation)	N/A	
(13) Principle Spillway (Elevation)	N/A	
(14) Emergency Spillway (Elevation)	N/A	
(15) Existing Sediment Capacity (To Cleanout)	N/A	
GENERAL		
(16) Comments/Recommendations	Removing fines for power generation. MSHA #1211-UT-09-00099-04	

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



(Signature)

10/15/2016

(Date)



**PRICE RIVER TERMINAL
2016 ANNUAL POND INSPECTION REPORT**

POND: Pipeline Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Stability	Slopes Stable. Incised Pond
(2) Structural Weakness/Erosion	Erosion at SW Inlet.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	1.0' Water
(5) Existing Storage Capacity	0.76 acre feet.
(6) Monitoring Procedures	Quarterly Inspection. U.P.D.E.S.

SEDIMENT PONDS ONLY	
(7) Sediment Accumulation (Elevation)	5355.8
(8) Sediment Cleanout Level (Elevation)	5358.0
(9) Principle Spillway (Elevation)	5362.6
(10) Emergency Spillway (Elevation)	5362.6
(11) Existing Sediment Capacity (To Cleanout)	0.18 acre feet.

GENERAL	
(12) Comments/Recommendations	No Discharge. Erosion from recent large storms. Scheduled for Repair.

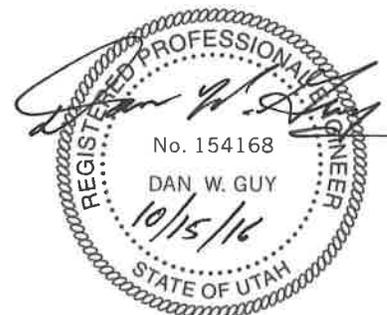
STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



Signature

10/15/16
Date



**PRICE RIVER TERMINAL
2016 ANNUAL POND INSPECTION REPORT**

POND: Loadout Sediment Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Stability	Slopes Stable. Mostly Incised.
(2) Structural Weakness/Erosion	Minor erosion on SW End, inside pond.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	1.0'.
(5) Existing Storage Capacity	1.16 acre feet.
(6) Monitoring Procedures	Quarterly Inspection. U.P.D.E.S.

SEDIMENT PONDS ONLY	
(7) Sediment Accumulation (Elevation)	*5335.6
(8) Sediment Cleanout Level (Elevation)	5335.8
(9) Principle Spillway (Elevation)	5338.4
(10) Emergency Spillway (Elevation)	5339.5
(11) Existing Sediment Capacity (To Cleanout)	0.08 acre feet

GENERAL	
(12) Comments/Recommendations	* Average Sediment elevation. Pond O.K. No Discharge.

STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



Signature

10/15/16
Date



**PRICE RIVER TERMINAL
2016 ANNUAL POND INSPECTION REPORT**

POND: Dryer Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Stability	Slopes Stable. Incised Pond.
(2) Structural Weakness/Erosion	Erosion along old concreted outlet structure. Appears to have come from river side.
(3) Potential Safety Hazards	Potential hazard if not repaired. Present damage is inside pond. Repair scheduled.
(4) Depth of Impounded Water	3.5' Water.
(5) Existing Storage Capacity	2.30 acre feet.
(6) Monitoring Procedures	Quarterly Inspection. U.P.D.E.S.

SEDIMENT PONDS ONLY	
(7) Sediment Accumulation (Elevation)	5329.6
(8) Sediment Cleanout Level (Elevation)	5330.3
(9) Principle Spillway (Elevation)	5336.9
(10) Emergency Spillway (Elevation)	5336.9
(11) Existing Sediment Capacity (To Cleanout)	0.17 acre feet

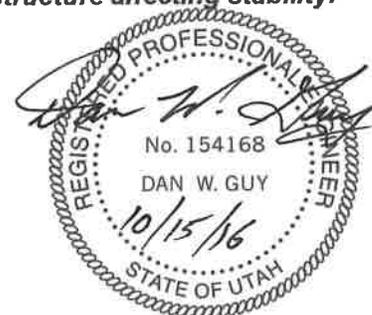
GENERAL	
(12) Comments/Recommendations	Open channel spillway installed in 1997. Damage is from large storms and river flooding. Repair Scheduled. No Discharge.

STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Dan W. Guy
Signature

10/15/16
Date



**PRICE RIVER TERMINAL
2016 ANNUAL POND INSPECTION REPORT**

POND: Roadside Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Stability	Slopes Stable. Incised Pond
(2) Structural Weakness/Erosion	Minor erosion on slopes near road inlet & west inlet.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	N/A – Small puddle in low point.
(5) Existing Storage Capacity	0.31 acre feet.
(6) Monitoring Procedures	Quarterly Inspection.

SEDIMENT PONDS ONLY	
(7) Sediment Accumulation (Elevation)	5335.2
(8) Sediment Cleanout Level (Elevation)	5337.0
(9) Principle Spillway (Elevation)	5337.0
(10) Emergency Spillway (Elevation)	5337.0
(11) Existing Sediment Capacity (To Cleanout)	0.19 acre feet.

GENERAL	
(12) Comments/Recommendations	Flows to Auxiliary Pond to Dryer Pond. Cleaned in 1998.

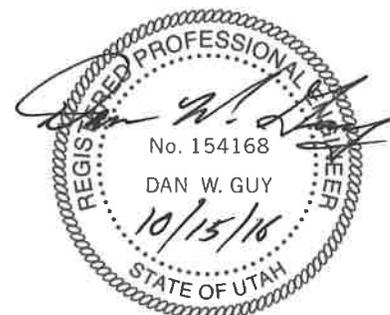
STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



Signature

10/15/16
Date



**PRICE RIVER TERMINAL
2016 ANNUAL POND INSPECTION REPORT**

POND: Auxiliary Pond

LOCATION: Wellington Site

IMPOUNDMENTS	
(1) Stability	Slopes Stable. Incised Pond.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	Upper – Small Puddles ; Lower – 3.5'.
(5) Existing Storage Capacity	0.51 acre feet.
(6) Monitoring Procedures	Quarterly Inspection.

SEDIMENT PONDS ONLY	
(7) Sediment Accumulation (Elevation)	5336.2 (Avg.)
(8) Sediment Cleanout Level (Elevation)	5336.6
(9) Principle Spillway (Elevation)	5340.0
(10) Emergency Spillway (Elevation)	5340.0
(11) Existing Sediment Capacity (To Cleanout)	0.10 acre feet.

GENERAL	
(12) Comments/Recommendations	Pond cleaned in 1998. New Oil Skimmer Installed on Lower Pond is in Place.

STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.


Signature

10/15/16
Date

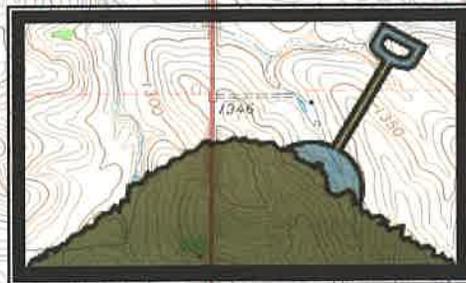


Evaluation of Soils Following Coal Fines Removal in the Upper Slurry Pond Basin

2016

G A R F I E L D

Wellington Prep Plant



**Evaluation of Soils
Following Coal Fines Removal
in the Upper Slurry Pond Basin
at the
Wellington Preparation Plant**

Prepared for

**Price River Terminal
Wellington, Utah**

and

**Mt. Nebo Scientific, Inc.
Springville, Utah**

Prepared by

**Long Resource Consultants, Inc.
Morgan, Utah**

December 30, 2016

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Appendices

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Introduction

Coal Refuse material (fines) has been removed as a reclamation procedure from the Upper Slurry Pond basin at the Wellington Prep Plant located approximately 2.4 miles east southeast of the center of Wellington, Utah, Figure 1 . Following removal, the fines are then hauled to the Sunnyside Cogeneration Plant, blended with other product and used for power generation at their plant. The area where the fines have been removed completely, or to a point of contact between the fines and the resident soils, comprised approximately 11.4 acres. It was at this location where the soil samples were collected on October 13, 2016, Figure 2.

Methods

The perimeter of the fines removal area was identified and recorded by GPS on October 12, 2016. The fines removal area was divided into three representative sample areas as shown on Figure 2. Sample area sizes ranged from 3.2 to 4.9 acres.

A front end loader was used to excavate holes approximately 4 to 5 feet deep near the center of each sample area.

A composite soil sample was collected at each location from the soil surface down to a depth of 48 inches on October 13, 2016. Soil samples were placed in clean one gallon size freezer bags and sealed with the Zip-Loc® on the bag.

Coal fines remaining on the soil surface ranged from 3 to 6 inches thick and were not included in the composite soil sample.

Soil samples were shipped to Inter Mountain Laboratories in Sheridan, Wyoming for analysis of the parameters listed in Tables 4 and 8 in the *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008). Analyses methods were those listed in Tables 3 and 7 of the *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008), or equivalent method. Results of the laboratory analysis are in appendix A.

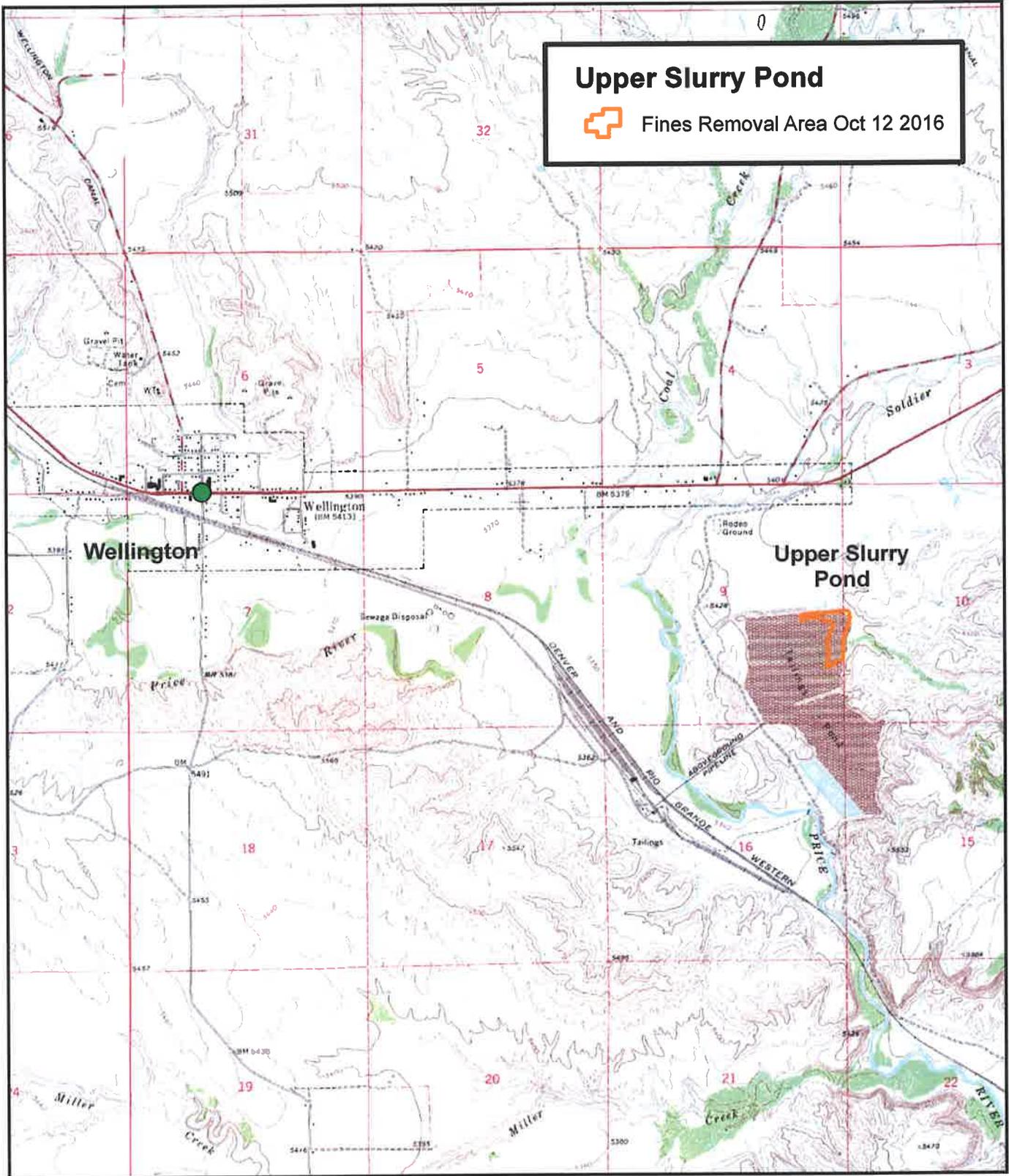
Photos of each sample location area and soil profile are in Appendix B.

Results of the laboratory analysis were evaluated for suitability based on the *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008),

Table 1. Parameters and suitability limits for parameters listed in Tables 3, 4, 7, and 8 of the Guidelines for Management of Topsoil and Overburden (Utah DOGM 2008).

Criteria	Units	Good	Fair	Poor	Unacceptable
Saturation	%	25 to 55	≥ 56 to 80	< 25 > 80	
pH	s.u.	6.5 to 8.2	6.0 to 6.4 8.2 to 8.5	5.5 to 6.0 8.6 to 9.0	< 5.5 > 9.0
Electrical Conductivity	mS/cm (dS/m)	0 to 4	4 to 8	8 to 15	> 15
Sodium Adsorption Ratio (SAR)	s.u.	0 to 4	4 to 10	10 to 14	> 14
Calcium Carbonate (CaCO ₃)	%	< 15	15 to 30	> 30	
Texture		Sandy loam Loam Silt Loam Sandy Clay Loam Very Fine Sandy Loam Fine Sandy Loam	Clay Loam Clay Silt Clay Loam Sandy Clay Loamy Sand Loamy Fine Sand	Silty Clay Sand Sandy Clay Coarse Sand Fine Sand Very Fine Sand	Gravel Very Coarse Sand
Total Organic Carbon	%	< 10			≥ 10
Available Water Capacity	Inches per inch	> 0.10	0.5 to 0.10	< 0.05	
K factor		< 0.37	0.37	> 0.37	

Criteria	Units	Good	Fair	Poor	Unacceptable
Selenium, soluble	mg/kg				$\leq 0.15^a$
Boron, Available	mg/kg				$\leq 0.10^{b,c}$ ≥ 5.0
Acid/Base Potential	Tons CaCO ₃ / 1000 tons				≤ 0 tons CaCO ₃ / 1000 tons
<p>a. Unacceptable level for the rooting zone (top four feet of fill) and/or ephemeral drainages with 100 year flood plains, top 4 feet fill.</p> <p>b. Unacceptable level for the top 4 feet of fill in surface-water impoundments.</p> <p>c. Unacceptable level for intermittent/perennial drainages including 100 year flood plains.</p>					

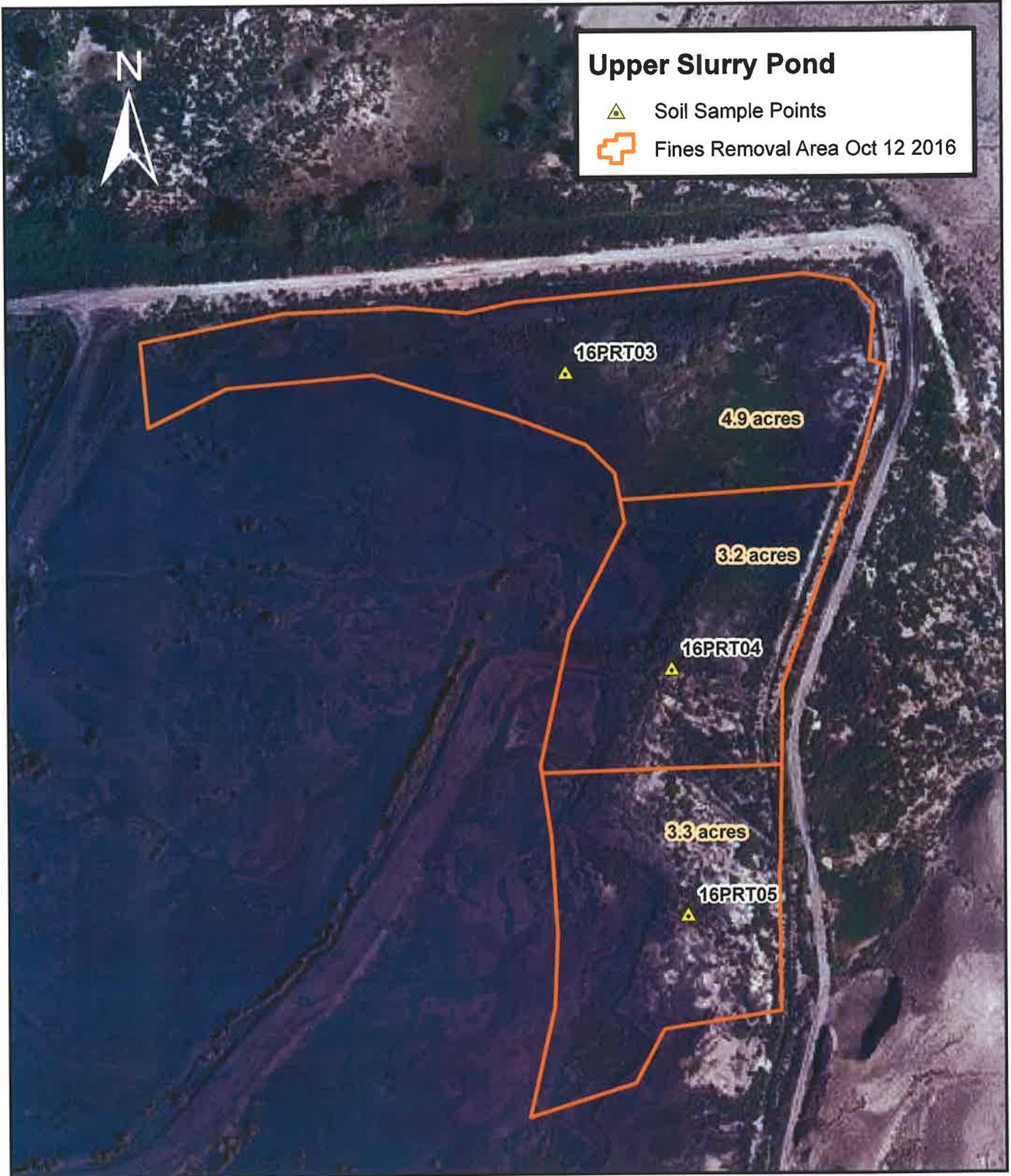


**Wellington Prep Plant
 Upper Slurry Pond
 Fines Removal Area**

**Figure 1. General Location
 of Upper Slurry Pond**
 Dec 21, 2016
 Wellington, Utah 7.5' Quad UTM NAD 83

Prepared By
**Long Resource
 Consultants, Inc.**

0 0.25 0.5 0.75 1 Miles



<p>Wellington Prep Plant Upper Slurry Pond Fines Removal Area</p>	<p>Figure 2. Upper Slurry Pond Fines Removal Area Sample Locations</p> <p>Dec 21, 2016 Base Map NAIP 2014 UTM NAD 83</p>	<p><i>Prepared By</i> Long Resource Consultants, Inc.</p> <p>0 50 100 200 300 400 Feet</p>
--	---	---

Results

Results of the laboratory analysis are summarized in Tables 2, 3, and 4. No limiting features were identified in the three composite soil samples collected in the fines removal area of the Upper Slurry Pond basin.

Electrical conductivity (ECe) and sodium adsorption ratio (SAR) were both in the *Fair* category for the 16PRT04 and 16PRT05 sample locations.

Boron was below the established suitability limit of 5.0 mg/kg (ppm) as listed in *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008).

Selenium was non-detectable (less than 0.02 mg/kg or ppm) in samples 16PRT03 and 16PRT05. The selenium level at 16PRT04 was 0.04 mg/kg (ppm).

Table 2. Summary of pH, saturation, conductivity, available water capacity, organic matter, and calcium carbonate for Upper Slurry Pond samples.

Sample ID	Begin Depth	End Depth	pH	Saturation	Electrical Conductivity	Available Water Capacity	Organic Matter LOI	CaCO ₃
	cm	cm	s.u.	%	dS/m	%	%	%
16PRT03	6	54	7.8	39.4	1.15	12.8	2.1	12.7
16PRT04	4	52	8.0	39.2	4.27	10.2	1.7	5.3
16PRT05	3	51	7.9	39.5	4.59	8.9	1.8	5.8

Table 3. Summary of SAR, texture, boron, selenium, and fertility for Upper Slurry Pond samples.

Sample ID	Begin Depth	End Depth	SAR	Texture	Boron	Selenium	Phosphorus	Nitrate (as N)	Available Potassium
	cm	cm			ppm	ppm	ppm	ppm	meq/100g
16PRT03	6	54	0.99	Silty Loam	2.20	<0.02	4	0.2	0.30
16PRT04	4	52	4.66	Loam	2.23	0.04	12	2.6	0.38
16PRT05	3	51	5.36	Loam	1.34	<0.02	14	7.4	0.38

Table 4. Summary of organic carbon and acid base analysis for Upper Slurry Pond samples.

Sample ID	Begin Depth	End Depth	Total Carbon	Total Organic Carbon	Total Sulfur	T.S. AB	Neutral. Potential	T.S. ABP
	cm	cm	%	%	%	t/1000t	t/1000t	t/1000t
16PRT03	6	54	1.9	0.3	0.03	1.04	127	126
16PRT04	4	52	0.9	0.3	0.07	2.19	52.8	50.6
16PRT05	3	51	0.8	0.1	0.06	1.93	57.6	55.6
DOGM Suitability		Good	Fair	Poor	Unacceptable			

Discussion and Summary

The upper four feet of soil in the fines extraction portion of the Upper Slurry Pond are suitable for reclamation based on results of the laboratory analysis and criteria listed in the *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008).

At the time of final reclamation, if revegetation is to occur to meet the post-mining land use, remaining fines at the surface will need to be sampled and analyzed to make sure criteria is met to meet seedbed standards as established in the *Guidelines for Management of Topsoil and Overburden* (Utah DOGM 2008). Leaving coal fines on the surface could result in boron and total organic carbon levels that exceed these guidelines. If so, a plan could then be developed to consolidate, cover or remove the remaining slurry fines.

Literature Cited

Utah Department of Natural Resources; Division of Oil, Gas, and Mining (Utah DOGM). 2008. *Guidelines for Management of Topsoil and Overburden*.

Appendix A
Laboratory Analysis



Date: 11/14/2016

CLIENT: Price River Terminal
Project: Upper Slurry Pond Soils
Lab Order: S1610303

CASE NARRATIVE
Report ID: S1610303001

Samples 16PRT03, 16PRT04, and 16PRT05 were received on October 20, 2016.

Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600/2-78-054 "Field and Laboratory Methods Applicable to Overburden and Mining Soils", 1978
American Society of Agronomy, Number 9, Part 2, 1982
USDA Handbook 60 "Diagnosis and Improvement of Saline and Alkali Soils", 1969
Wyoming Department of Environmental Quality, Land Quality Division, Guideline No. 1, 1984
New Mexico Overburden and Soils Inventory and Handling Guideline, March 1987
State of Utah, Division of Oil, Gas, and Mining: Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining, April 1988
Montana Department of State Lands, Reclamation Division: Soil, Overburden, and Regraded Spoil Guidelines, December 1994
State of Nevada Modified Sobek Procedure
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Soil Analysis Report

Price River Terminal

3215 West 4th Street

Fort Worth, TX 76107

Report ID: S1610303001

Project: Upper Slurry Pond Soils

Date Reported: 11/14/2016

Date Received: 10/20/2016

Work Order: S1610303

Lab ID	Sample ID	Depths Inches	pH	Saturation	Electrical Conductivity	Field Capacity	Wilting Point	Organic Matter LOI	CaCO3
			s.u.	%	dS/m	%	%	%	%
S1610303-001	16PRT03	6-54	7.8	39.4	1.15	23.3	10.5	2.1	12.7
S1610303-002	16PRT04	4-52	8.0	39.2	4.27	18.9	8.7	1.7	5.3
S1610303-003	16PRT05	3-51	7.9	39.5	4.59	18.5	9.6	1.8	5.8

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Oso= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A. Secor

Karen Secor, Soil Lab Supervisor



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Date Received: 10/20/2016

Lab ID	Sample ID	Depths Inches	Calcium	Magnesium	Potassium	Sodium	SAR
			PE meq/L	PE meq/L	PE meq/L	PE meq/L	
S1610303-001	16PRT03	6-54	6.12	5.34	0.25	2.37	0.99
S1610303-002	16PRT04	4-52	17.3	24.2	0.70	21.2	4.66
S1610303-003	16PRT05	3-51	17.9	23.4	0.68	24.3	5.36

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor



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Your Environmental Monitoring Partner

Soil Analysis Report
Price River Terminal
3215 West 4th Street
Fort Worth, TX 76107

Report ID: S1610303001

Project: Upper Slurry Pond Soils

Date Reported: 11/14/2016

Date Received: 10/20/2016

Work Order: S1610303

Lab ID	Sample ID	Depths Inches	Sand %	Silt %	Clay %	Texture	Very Fine				
							Sand %	Boron ppm	Phosphorus ppm	Selenium ppm	Nitrate(as N) ppm
S1610303-001	16PRT03	6-54	26.0	50.0	24.0	Silty Loam	10.6	2.20	4	<0.02	0.2
S1610303-002	16PRT04	4-52	34.0	48.0	18.0	Loam	8.7	2.23	12	0.04	2.6
S1610303-003	16PRT05	3-51	38.0	43.0	19.0	Loam	13.4	1.34	14	<0.02	7.4

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Soil Analysis Report
Price River Terminal
3215 West 4th Street
Fort Worth, TX 76107

Report ID: S1610303001

Project: Upper Slurry Pond Soils
Date Received: 10/20/2016

Date Reported: 11/14/2016
Work Order: S1610303

Lab ID	Sample ID	Depths Inches	Available	Total	TOC	Total	T.S.	Neutral.	T.S.
			Potassium meq/100g	Carbon %		Sulfur %	AB t/1000t	Potential t/1000t	ABP t/1000t
S1610303-001	16PRT03	6-54	0.30	1.9	0.3	0.03	1.04	127	126
S1610303-002	16PRT04	4-52	0.38	0.9	0.3	0.07	2.19	52.8	50.6
S1610303-003	16PRT05	3-51	0.38	0.8	0.1	0.06	1.93	57.6	55.6

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A. Secor
Karen Secor, Soil Lab Supervisor



Inter-Mountain Labs, Inc
1673 Terra Ave, Sheridan, Wyoming, 82801

(307) 672-8945

Soil Analysis Report
Price River Terminal
3215 West 4th Street
Fort Worth, TX 76107

Project ID: Upper Slurry Pond Soils
Date Received: 10/20/2016

Report ID: S1610303001
Date Reported: 11/14/2016
Work Order: S1610303

Lab ID	Sample ID	Organic		Sand	Silt	Clay	Very Fine Sand	Texture	K-factor (t.ac.h/100acft.tf.in)	Structure s	Permeability p	M
		Matter %	%									
S1610303-001	16PRT03	2.1	26.0	50.0	24.0	10.6	Silty Loam	0.31	2	3	4605.6	
S1610303-002	16PRT04	1.7	34.0	48.0	18.0	8.7	Loam	0.33	2	3	4649.4	
S1610303-003	16PRT05	1.8	38.0	43.0	19.0	13.4	Loam	0.32	2	3	4588.4	

These Results apply only to the samples tested.

Reviewed by:


Karen Secor, Soil Lab Supervisor



Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
This is a legal document; any misrepresentation may be construed as fraud.

#PRT102016a

Client Name Price River Terminal	Project Identification Upper Slurry Pond Soils	Sampler (Signature/Attestation of Authenticity) Robert Long	Telephone # 801-791-3447
--	--	---	------------------------------------

Report Address 3215 West 4th Street Fort Worth, TX 76107	Contact Name Robert Long	ANALYSES / PARAMETERS	REMARKS
Invoice Address Same	Email LRCsoils@msn.com		
	Phone 801-791-3447		
	Purchase Order # Quote #		

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	See Quote List	ANALYSES / PARAMETERS						REMARKS
1	SI1610303-001	10/13/2016		16PRT03 6-54 inches	SL	1	X							
2	↓ -002	10/13/2016		16PRT04 4-52 inches	SL	1	X							
3	↓ -003	10/13/2016		16PRT05 3-51 inches	SL	1	X							
4					SL	1	X							
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														

LAB COMMENTS	Relinquished By (Signature/Printed)	DATE	TIME	Received By (Signature/Printed)	DATE	TIME
	Robert Long <i>[Signature]</i>	10/18/2016		<i>[Signature]</i>	10/20/16	

SHIPPING INFO <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input type="checkbox"/> Other	MATRIX CODES Water WT Soil SL Solid SD Filter FT Other OT	TURN AROUND TIMES <input checked="" type="checkbox"/> Check desired service <input checked="" type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH - 5 Working Days <input type="checkbox"/> URGENT - < 2 Working Days <i>Rush & Urgent Surcharges will be applied</i>	COMPLIANCE INFORMATION Compliance Monitoring? Y / N Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? Y / N Sample Disposal: Lab Client	ADDITIONAL REMARKS Email results to Robert Long Please retain sample.
--	---	---	---	---

Appendix B
Site and Profile Photos



Photo 1. Looking northwest across location of 16PRT03 and north end of fines removal area.



Photo 2. Soil profile at sample location 16PRT03.



Photo 3. Looking northwest across sample location 16PRT04 in center of fines removal area.



Photo 4. Soil profile at sample location 16PRT04.



Photo 5. Looking north across sample location 16PRT05 in south end of fines removal area.



Photo 6. Soil profile at sample location 16PRT05.