Official Draft Public Notice Version August 2, 2016
The findings, determinations, and assertions contained in this document are not final and subject to change following the public comment period.

FACT SHEET STATEMENT OF BASIS
WEST RIDGE RESOURCES, INC.
UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)
PERMIT NUMBER: UT0025640
MINOR INDUSTRIAL RENEWAL

FACILITY CONTACTS

Facility Contact:	Karin Madsen	Responsible Official:	David Hibbs
Position:	Engineering Tech.	Position:	President & CEO
Phone:	(435) 888-4026	Phone:	(435) 888-4000

DESCRIPTION OF FACILITY

Facility Name:	West Ridge Resources, Inc.
Mailing Address:	P.O. Box 910 East Carbon, Utah 84520
Physical Location:	794 C Canyon Road, approximately 3 miles northeast of East Carbon, Utah
Coordinates:	Latitude: 39° 36' 45", Longitude: 110° 26' 26"
Standard Industrial Classification (SIC):	*1222 - Bituminous Coal Underground Mining (NAICS 212112)*

West Ridge Resources, Inc., West Ridge Mine is an underground coal mining operation located in C Canyon, ephemeral drainage to Grassy Trail Creek, in Carbon County just north of State Highway 123 near East Carbon, Utah.

At the present time, West Ridge Mine is idle and no discharge is occurring. The mine will be idle for a number of years. Mine Managers elected to renew this permit in case the mine is reactivated in the future.

Because of historic iron problems in the discharge, West Ridge developed an iron treatment system consisting of aeration and chemical addition of a coagulant (ULTRION 8187). The aeration and chemical addition with associated settling occur underground. The treated water is then pumped to the surface and run through Schroeder Industries BH10 Multi-Bag Filters before being discharged to the stream. The bag filter system is capable of handling flows of up to 2000 gallons per minute or 2.88 million gallons per day. Even though the mine is idle, the treatment system has been left intact and is ready to start up if the mine is reactivated in the future.

DESCRIPTION OF DISCHARGE

Outfall	Description
001	Two sedimentation ponds in series known as A and B collect runoff from the surface facilities of the mine. The discharge is from sedimentation pond A to C Canyon Drainage. There has been no discharge from these ponds over the last five years; Latitude 39°36'45" and Longitude 110°26'26".
002	Outfall 002 is composed of mine water from the Schroeder Industries BH-10 Multi-Bag Filters. Discharge is to a culvert under the mine carrying C Canyon Creek through the disturbed area. The discharge is upstream of the 001 discharge; Latitude 39°36'58" and Longitude 110°26'10".

RECEIVING WATERS AND STREAM CLASSIFICATION

C Canyon Creek drainage, which is ephemeral and flows to Grassy Trail Creek is not classified according to *Utah Administrative Code (UAC) R317-2-13*, however Grassy Trail Creek is classified as 2B, 3C and 4.

Class 2B -Protected for secondary contact recreation such as boating, wading, or similar uses.

Class 3C -Protected for non-game fish and other aquatic life, including the necessary aquatic organisms in their food chain.

Class 4 -Protected for agricultural uses including irrigation of crops and stock watering.

BASIS FOR EFFLUENT LIMITATIONS

In accordance with regulations promulgated in *40 Code of Federal Regulations (CFR) Part 122.44* and in *UAC R317-8-4.2*, effluent limitations are derived from technology-based effluent limitations guidelines, Utah Secondary Treatment Standards (*UAC R317-1-3.2*) or Utah Water Quality Standards (*UAC R317-2*). A waste load analysis is not necessary (see Addendum I) because background flow in C Canyon Drainage is zero. Therefore, the effluent limits are the water quality standards. In cases where multiple limits have been developed, those that are more stringent apply. In cases where no limits have been developed, Best Professional Judgment (BPJ) may be used where applicable.

1. West Ridge discharge meets the EPA definition of "alkaline mine drainage." As such, it is subject to the technology based effluent limitations in *40 CFR Part 434.45*. Technology based limits used in the permit are listed below.

a. Total suspended solids (TSS) daily maximum limit.

b. For discharges composed of surface water or mine water commingled with surface water, *40 CFR Part 434.63* allows alternate effluent limits to be applied when discharges result from specific runoff events, detailed below and in the permit. West Ridge has the burden of proof that the described runoff events occurred.

i. For runoff events (rainfall or snowmelt) less than or equal to a 10-year 24-hour precipitation event, settleable solids shall be substituted for TSS and shall be limited to 0.5 milliliters per liter (ml/L). All other effluent limitations must be achieved concurrently, as described in the permit.

ii. Any discharge or increase in the volume of a discharge caused by precipitation within any 24 hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) may comply with the following limitations instead of the otherwise applicable limitations for Outfall 001:

Effluent Characteristics	30 Day Average	Daily Minimum	Daily Maximum
pH, SU	NA	6.5	9.0

In order to substitute the above limitation, the sample collected during the storm event must be analyzed for all permitted parameters specified under *Part I.D.2*. Such analyses shall be conducted on either grab or composite samples.

2) TSS 30-day and 7-day averages are based on Utah Secondary Treatment Standards.

3) Daily minimum and daily maximum limitations on pH are derived from Utah Secondary Treatment Standards and Water Quality Standards.

4) Total dissolved solids (TDS) are limited according to Water Quality Standards (which are subject to TMDL requirements) and policies established by the Colorado River Basin Salinity Control Forum. TDS are limited by both mass loading and concentration requirements as described below:

Since discharges from West Ridge eventually reach the Colorado River, TDS mass loading is limited according to policies established by the Colorado River Basin Salinity Control Forum (Forum), as authorized in *UAC R317-2-4* to further control salinity in the Utah portion of the Colorado River Basin. On February 28, 1977 the Forum produced the *"Policy for Implementation of Colorado River Salinity Standards through the NPDES Permit Program"* (Policy), with the most current subsequent triennial revision dated October 2014. Based on Forum Policy,

provisions have previously been made for salinity-offset projects to account for any TDS loading in excess of the permit requirement. Salinity-offset provisions should be available in case this facility becomes active.

The permit limit for TDS concentration in the previous permit was 2000 mg/L. A total maximum daily load (*Price River, San Rafael River and Muddy Creek TMDLs for Dissolved Solids – West Colorado Watershed Management Unit, Utah April 2004*) has established a TDS standard of 3000 mg/L for the Price River and associated tributaries in the area where Grassy Trail Creek enters the Price River. The monthly average concentration as taken from DMR data is approximately 973 mg/L. Based on Best Professional Judgement (BPJ) and in consideration of anti-back sliding and the fact that West Ridge can meet this limit, the TDS concentration limit will remain at 2000 mg/L.

5) Oil and Grease is limited to 10 mg/L by BPJ, as this is consistent with other industrial facilities statewide.

6) The iron limitation is based upon the State Water Quality Standard of 1.0 mg/L for dissolved iron (*UAC R317-2 Table 2.14.2*) and will be included in the permit as 1.0 mg/L as total iron (please see the WLA letter attached in Addendum I), and shall apply to each of the discharge points.

7) A total aluminum effluent limit is based on the State Water Quality Standard of 0.75 mg/L. This would apply only to discharge point 002 as no aluminum should be associated with the runoff in the sedimentation ponds. If the permittee changes from the aluminum based coagulant to another type of coagulant, the permittee can petition the Director to remove the total aluminum effluent limit, for Outfall 002 from the permit. If the Director grants this petition, the total aluminum effluent limit at Outfall 002 can be removed from the permit without the requirement of a public notice.

8) An effluent flow limit of 3.0 MGD for Outfall 002 was included the last permit. Because there is no background flow, the effluent flow has no bearing on what the effluent limit will be, therefore, the flow limit at Outfall 002 was removed from this renewal permit. The thirty day average and daily maximum shall be reported on the DMR for Outfall 002.

9) Because no increases in loading are expected during this permit cycle, a level II antidegradation review is not necessary.

10) Since January 1, 2016, DWQ has conducted reasonable potential analysis (RP) on all new and renewal applications received after that date. RP for this permit renewal was conducted following DWQ's September 10, 2015 Reasonable Potential Analysis Guidance (RP Guidance). There are four outcomes defined in the RP Guidance: Outcome A, B, C, or D. These Outcomes provide a frame work for what routine monitoring or effluent limitations are required.

A quantitative RP analysis was conducted on available metals data. The analysis compared the maximum detected concentration with the maximum allowable effluent concentration. Aluminum, iron, and selenium all reported levels above the maximum allowable effluent concentrations. Effluent limits for aluminum and iron will be included in the permit because there are a sufficient number of samples reported above the allowable effluent concentrations. However, effluent limits for selenium will not be included in the permit at this time as there aren't a sufficient number of samples to make a RP determination. Selenium will be monitored with the rest of the metals on a quarterly basis. If the first four quarterly analyses for selenium exceed the maximum allowable effluent concentration the permit will be reopened to include an effluent limit. Only one sampling result was available for arsenic, boron, cadmium, chromium, copper, lead, mercury, nickel, silver, cyanide and zinc. Although the default coefficient of variation (CV) for a data set of 1 sample could be used, the Division is electing instead to require the permittee to conduct sampling on a quarterly basis during the next permit cycle. Metals monitoring will be conducted on a quarterly basis at both Outfalls. RP data and analysis are included in Addendum III.

EFFLUENT IMITATIONS, SELF-MONITORING, AND REPORTING REQUIREMENTS

The effluent limitations and monitoring requirements for both Outfalls 001 & 002 shall be completed as outlined below. Effluent self-monitoring requirements are based on BPJ. Reports shall be made via NetDMR or on Discharge Monitoring Report (DMR) forms and are due 28 days after the end of the monitoring period (month, quarter, year, etc.).

West Ridge has collected and reported self-monitoring data as required in their previous permit. A table for each outfall containing this data is attached as Addendum III.

Effluent Characteristics	Effluent Limitations				Monitoring Requirements	
	30 Day Average	7 Day Average	Daily Minimum	Daily Maximum	Sample Frequency	Sample Type
Flow, [1]MGD a/	Report	[2]NA	NA	Report	Monthly	Continuous Recorder
TSS, mg/L	25	35	NA	70	2/Month	Grab
Total Iron, mg/L	NA	NA	NA	1.00	2/Month	Grab
Total Aluminum, mg/L a/	NA	NA	NA	0.75	2/Month	Grab
Oil & Grease, mg/L b/	NA	NA	NA	10	Monthly	Grab
TDS, mg/L c/	Report	NA	NA	2000	Monthly	Grab
pH, standard units	NA	NA	6.5	9.0	2/Month	Grab
Sanitary Waste d/	NA	NA	NA	None	Monthly	Visual
Oil and Grease, floating solids, visible foam, b/	NA	NA	NA	None	2/Month	Visual
Total Arsenic, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Boron, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Cadmium, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Chromium, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Copper, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Lead, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Mercury, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Nickel, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Selenium, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Silver, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Zinc, mg/L e/	NA	NA	NA	NA	Quarterly	Grab
Total Cyanide, mg/L e/	NA	NA	NA	NA	Quarterly	Grab

[1] *MGD: million gallons per day* [2] *NA: not applicable*

a/ No effluent flow limits apply at Outfalls 001 and 002. The total aluminum effluent limitation only applies at Outfall 002. Metal monitoring frequency requirements are for both outfalls. If the permittee changes from the aluminum based coagulant to another type of coagulant, the permittee can petition the Director to remove the total aluminum limit at

Outfall 002. If the Director grants this petition, the aluminum limit and monitoring can be removed from the permit without the requirement of a public notice.

b/ In addition to monthly sampling for oil and grease, a visual inspection for oil and grease, floating solids, and visible foam shall be performed twice per month at 001 and 002. There shall be no sheen, floating solids, or visible foam in other than trace amounts. If a sheen is observed, a sample of the effluent shall be collected immediately thereafter and oil and grease shall not exceed 10 mg/L in concentration.

c/ The TDS concentration from each of the outfalls shall not exceed 2000 mg/L as a daily maximum limit. West Ridge has exceeded the one ton per day limit and has entered into a salinity offset plan.

d/ There shall be no discharge of sanitary waste and visual observations performed at least monthly shall be conducted.

e/ These metals shall be monitored as required at both outfalls if discharge occurs. The permittee is required to get the lowest detection limit possible using standard methods and certified laboratories.

SIGNIFICANT CHANGES FROM PREVIOUS PERMIT

The significant changes from the previous permit are as follows: quarterly monitoring for the following total metals at Outfalls 001 and 002: arsenic, boron, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, zinc and cyanide. The effluent flow limit at Outfall 002 was removed.

STORM WATER REQUIREMENTS

The storm water requirements are based on the UPDES Multi-Sector General Permit (MSGP) for Storm Water Discharges for Industrial Activity, General Permit No. UTR000000. All sections of the MSGP that pertain to discharges from wastewater treatment plants have been included and sections which are redundant or do not pertain have been deleted.

The permit requires the preparation and implementation of a storm water pollution prevention plan for all areas within the confines of the plant. Required elements of this plan are:

1) Development of a pollution prevention team,
2) Development of drainage maps and material stockpiles,
3) An inventory of exposed material,
4) Spill reporting and response procedures,
5) A preventative maintenance program,

6) Employee training,
7) Certification that storm water discharges are not mixed with non-storm water discharges,
8) Compliance site evaluations and potential pollutant source identification, and
9) Visual examinations of storm water discharges.

This plan is required to be maintained on-site to reflect current site conditions and made available for review upon request and/or inspections.

PRETREATMENT REQUIREMENTS

This facility does not discharge process wastewater to a sanitary sewer system. Any process wastewater that the facility may discharge to the sanitary sewer, either as a direct discharge or as a hauled waste, is subject to federal, state, and local pretreatment regulations. Pursuant to section 307 of the Clean Water Act, the permittee shall comply with all applicable federal general pretreatment regulations promulgated, found in 40 CFR 403, the state's pretreatment requirements found in UAC R317-8-8, and any specific local discharge limitations developed by the Publicly Owned Treatment Works (POTW) accepting the waste. This includes the notification of discharging hazardous waste to the POTW, the EPA Regional Waste Management Director and the State hazardous waste authorities, in accordance with *40 CFR 403.12(p)(1)*.

BIOMONITORING REQUIREMENTS

As part of a nationwide effort to control toxic discharges, biomonitoring requirements are being included in permits for facilities where effluent toxicity is an existing or potential concern. In Utah, this is done in accordance with the *State of Utah Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control (Biomonitoring (2/1991))*. Authority to require effluent biomonitoring is provided in *UAC R317-8, Utah Pollutant Discharge Elimination System* and *UAC R317-2, Water Quality Standards*.

There is potential from the mine to have toxicity in the discharge as witnessed from the high total iron concentrations and resultant enforcement actions taken. As a result, a treatment system has been installed and is presently in operation allowing West Ridge to be in compliance with its iron limit. The fact that C Canyon is an ephemeral drainage that does not normally reach Grassy Trail Creek or the Price River, points to the fact that as long as the treatment system is operating properly there is no reasonable potential for toxicity in the discharge. Therefore, WET testing will not be required in this permit. However, it will be required that if the mine is reactivated, a chronic WET test will be competed of the initial discharge from the mine and the results forwarded to DWQ. The permit will contain a toxicity limitation re-opener provision if toxicity is believed to be present during the life of this permit.

PERMIT DURATION

As stated in *UAC R317-8-5.1(1)*, UPDES permits shall be effective for a fixed term not to exceed five (5) years.

Drafted by Mike Herkimer
Environmental Scientist
Utah Division of Water Quality
March 31, 2016
Wasteload Analysis by Dave Wham
Storm Water Review by Mike George
Salinity Review by Matt Garn
Pretreatment Review by Jennifer Robinson
TMDL Review by Amy Dickey

The draft permit, fact sheet and statement of basis, wasteload allocation and associated material were public noticed in the Sun Advocate, and under "Public Participation" on the Division of Water Quality Web Site, www.waterquality.utah.gov, from to .

ADDENDUMS

I. Waste Load Analysis Letter
II. Available DMR Data from 2008 – 2010 for Outfall 002 (Outfall 001 has been no discharge during the entire permit cycle)
III. RP data and conclusions

Addendum I

Wasteload Analysis Letter

State of Utah
GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

MEMORANDUM

TO: West Ridge Mine File UPDES UT0023680

THROUGH Mike Herkimer

FROM: Dave Wham

DATE: 2-26-2016

SUBJECT: West Ridge Mine WLA

I am writing in response to your request for a wasteload allocation for the permit renewal for the West Ridge Mine UPDES UT0023680. It is my understanding that the receiving water for the discharge, C Canyon, is an ephemeral or intermittent drainage. I accessed the DOGM Water Quality Database, and reviewed flow data for C Canyon above the mine. The data set consisted of quarterly flow values from the period 1997 - 2015. With a couple of exceptions, all of the data showed 0 flow. As a result, I would consider the 7Q10 of the receiving stream to be 0. This being the case, the effluent limits revert to the water quality standards.

It is my understanding that C Canyon would have the water quality classification of "Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course" as 2B, 3C and 4. Additionally, a site specific standard for TDS of 3000 mg/L has been adopted for the Price River and tributaries from the confluence with Green River to confluence with Coal Creek.

I conducted a Level I Antidegradation Review on the proposed discharge. As this is a permit renewal, with no increase in flow, or concentration over the current permit, a Level 2 Antidegradation review is not required..

We also discussed the issue of the iron WQ standard as this mine has had problems with their iron limit in the past. Currently, our WQ standards for metals are listed in terms of dissolved metals. Effluent limits in permits are required to be in terms of total recoverable metals. For some metals (Cd, Cr(III), Cu, Pb, Ni, Ag and Zn) the standards contain a translator value that allows conversion from the dissolved standard to the total recoverable standard. The rest of the metals, including iron, do not. As a result, DWQ applies the dissolved standard (1 mg/L for Fe) *as if it were* the total recoverable standard for the purposes of the WLA calculations and effluent

limits. All of the "non-translator" metals are treated conservatively in this fashion. We could request, or conduct, site-specific investigations to develop translators for other specific metals if we felt that they would be appropriate. However, with respect to translators, iron is a bit of a special case, in that impacts to the biota are caused both by the dissolved fraction, due to toxicity, and the total iron, because of the formation of precipitates that coat stream substrates, causing physical habitat problems. As a result, iron limits should more appropriately be expressed in terms of a total standard.

Let me know if you need any further info or clarification.

Addendum III

RP data and conclusions

DWQ-2016-008405
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Reasonable Potential Analysis for West Ridge Mine Permit Renewal 2016

Metals	*Data mg/L	MRL mg/L	Acute WQ Std. mg/L	Chronic WQ Std. mg/L
T-Arsenic	<0.01	0.01	0.34	0.15
T-Boron	0.26	0.01	---	0.75
T-Cadmium	<0.001	0.001	0.002	0.00025
T-Chromium	0.004	0.001	0.570	0.074
T-Copper	<0.01	0.01	0.013	0.009
T-Lead	<0.01	0.01	0.065	0.0025
T-Mercury	<0.2 ug/L	0.0002	NA	0.000012
T-Nickel	0.003	0.001	0.468	0.052
T-Selenium	0.03	0.02	0.0184	0.0046
T-Silver	<0.002	0.002	0.0016	NA
T-Zinc	<0.004	0.004	0.120	0.120
T-Cyanide	<0.005	0.005	0.022	0.0052

EPA 200.7 method used for analysis of metals.

West Ridge is 100% of the flow in the stream and therefore cannot have an IC_{25} < 100% effluent. Need to consider chronic values when considering toxicity of metals as West Ridge is 100% of the flow in the stream. We need more metal analysis to be able to complete a satisfactory reasonable potential analysis. West Ridge shall monitor quarterly for the total metals in the table above over the next permit period.

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Addendum II

Available DMR Data from 2008 – 2010 for Outfall 002 (Outfall 001 has been no discharge during the entire permit cycle)

DMR Data Listing
*** NOT ICIS CERTIFIED ***

WEST RIDGE RESOURC

State ID	Monitoring Period	Outfall	Parameter	1		Reported Measure
					pass=0;fail=1	DAILY MX (pass=0;fail=1)
UT0025640	5/31/2011	001A	Floating solids, waste or visible foam-visual			NODI=C
	6/30/2011					NODI=C
	7/31/2011					NODI=C
	8/31/2011					NODI=C
	9/30/2011					NODI=C
	10/31/2011					NODI=C
	11/30/2011					NODI=C
	12/31/2011					NODI=C
	1/31/2012					NODI=C
	2/29/2012					NODI=C
	3/31/2012					NODI=C
	4/30/2012					NODI=C
	5/31/2012					NODI=C
	6/30/2012					NODI=C
	7/31/2012					NODI=C
	8/31/2012					NODI=C
	9/30/2012					NODI=C
	10/31/2012					NODI=C
	11/30/2012					NODI=C
	12/31/2012					NODI=C
	1/31/2013					NODI=C
	2/28/2013					NODI=C
	3/31/2013					NODI=C
	4/30/2013					NODI=C
	5/31/2013					NODI=C
	6/30/2013					NODI=C
	7/31/2013					NODI=C
	8/31/2013					NODI=C
	9/30/2013					NODI=C
	10/31/2013					NODI=C
	11/30/2013					NODI=C
	12/31/2013					NODI=C
	1/31/2014					NODI=C
	2/28/2014					NODI=C
	3/31/2014					NODI=C
	4/30/2014					NODI=C
	5/31/2014					NODI=C
	6/30/2014					NODI=C
	7/31/2014					NODI=C
	8/31/2014					NODI=C
	9/30/2014					NODI=C
	10/31/2014					NODI=C
	11/30/2014					NODI=C
	12/31/2014					NODI=C
	1/31/2015					NODI=C
	2/28/2015					NODI=C
	3/31/2015					NODI=C
	4/30/2015					NODI=C
	5/31/2015					NODI=C
	6/30/2015					NODI=C
	7/31/2015					NODI=C
	8/31/2015					NODI=C
	9/30/2015					NODI=C
	10/31/2015					NODI=C
	11/30/2015					NODI=C
	12/31/2015					NODI=C
	1/31/2016					NODI=C
	2/29/2016					NODI=C

State ID	Monitoring Period	Outfall	Parameter	1		Reported Measure	1		Reported Measure
					MGD	30DA AVG (MGD)		MGD	DAILY MX (MGD)
UT0025640	1/31/2011	001A	Flow rate						NODI=C
	2/28/2011								NODI=C
	3/31/2011								NODI=C
	4/30/2011								NODI=C
	5/31/2011					NODI=C			NODI=C
	6/30/2011					NODI=C			NODI=C
	7/31/2011					NODI=C			NODI=C
	8/31/2011					NODI=C			NODI=C
	9/30/2011					NODI=C			NODI=C
	10/31/2011					NODI=C			NODI=C
	11/30/2011					NODI=C			NODI=C
	12/31/2011					NODI=C			NODI=C
	1/31/2012					NODI=C			NODI=C
	2/29/2012					NODI=C			NODI=C
	3/31/2012					NODI=C			NODI=C
	4/30/2012					NODI=C			NODI=C
	5/31/2012					NODI=C			NODI=C
	6/30/2012					NODI=C			NODI=C
	7/31/2012					NODI=C			NODI=C
	8/31/2012					NODI=C			NODI=C
	9/30/2012					NODI=C			NODI=C
	10/31/2012					NODI=C			NODI=C
	11/30/2012					NODI=C			NODI=C
	12/31/2012					NODI=C			NODI=C
	1/31/2013					NODI=C			NODI=C
	2/28/2013					NODI=C			NODI=C
	3/31/2013					NODI=C			NODI=C
	4/30/2013					NODI=C			NODI=C
	5/31/2013					NODI=C			NODI=C
	6/30/2013					NODI=C			NODI=C
	7/31/2013					NODI=C			NODI=C
	8/31/2013					NODI=C			NODI=C
	9/30/2013					NODI=C			NODI=C
	10/31/2013					NODI=C			NODI=C
	11/30/2013					NODI=C			NODI=C
	12/31/2013					NODI=C			NODI=C
	1/31/2014					NODI=C			NODI=C
	2/28/2014					NODI=C			NODI=C
	3/31/2014					NODI=C			NODI=C
	4/30/2014					NODI=C			NODI=C
	5/31/2014					NODI=C			NODI=C
	6/30/2014					NODI=C			NODI=C
	7/31/2014					NODI=C			NODI=C

	8/31/2014					NODI=C		NODI=C
	9/30/2014					NODI=C		NODI=C
	10/31/2014					NODI=C		NODI=C
	11/30/2014					NODI=C		NODI=C
	12/31/2014					NODI=C		NODI=C
	1/31/2015					NODI=C		NODI=C
	2/28/2015					NODI=C		NODI=C
	3/31/2015					NODI=C		NODI=C
	4/30/2015					NODI=C		NODI=C
	5/31/2015					NODI=C		NODI=C
	6/30/2015					NODI=C		NODI=C
	7/31/2015					NODI=C		NODI=C
	8/31/2015					NODI=C		NODI=C
	9/30/2015					NODI=C		NODI=C
	10/31/2015					NODI=C		NODI=C
	11/30/2015					NODI=C		NODI=C
	12/31/2015					NODI=C		NODI=C
	1/31/2016					NODI=C		NODI=C
	2/29/2016					NODI=C		NODI=C

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		mg/L	DAILY MX (mg/L)
UT0025640	1/31/2011	001A	Iron, total [as Fe]			NODI=C
	2/28/2011					NODI=C
	3/31/2011					NODI=C
	4/30/2011					NODI=C
	5/31/2011					NODI=C
	6/30/2011					NODI=C
	7/31/2011					NODI=C
	8/31/2011					NODI=C
	9/30/2011					NODI=C
	10/31/2011					NODI=C
	11/30/2011					NODI=C
	12/31/2011					NODI=C
	1/31/2012					NODI=C
	2/29/2012					NODI=C
	3/31/2012					NODI=C
	4/30/2012					NODI=C
	5/31/2012					NODI=C
	6/30/2012					NODI=C
	7/31/2012					NODI=C
	8/31/2012					NODI=C
	9/30/2012					NODI=C
	10/31/2012					NODI=C
	11/30/2012					NODI=C
	12/31/2012					NODI=C
	1/31/2013					NODI=C
	2/28/2013					NODI=C
	3/31/2013					NODI=C
	4/30/2013					NODI=C
	5/31/2013					NODI=C
	6/30/2013					NODI=C
	7/31/2013					NODI=C
	8/31/2013					NODI=C
	9/30/2013					NODI=C
	10/31/2013					NODI=C
	11/30/2013					NODI=C
	12/31/2013					NODI=C
	1/31/2014					NODI=C
	2/28/2014					NODI=C
	3/31/2014					NODI=C
	4/30/2014					NODI=C
	5/31/2014					NODI=C
	6/30/2014					NODI=C
	7/31/2014					NODI=C
	8/31/2014					NODI=C
	9/30/2014					NODI=C
	10/31/2014					NODI=C
	11/30/2014					NODI=C
	12/31/2014					NODI=C
	1/31/2015					NODI=C
	2/28/2015					NODI=C
	3/31/2015					NODI=C
	4/30/2015					NODI=C
	5/31/2015					NODI=C
	6/30/2015					NODI=C
	7/31/2015					NODI=C
	8/31/2015					NODI=C
	9/30/2015					NODI=C
	10/31/2015					NODI=C
	11/30/2015					NODI=C
	12/31/2015					NODI=C
	1/31/2016					NODI=C
	2/29/2016					NODI=C

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		mg/L	DAILY MX (mg/L)
UT0025640	1/31/2011	001A	Oil and grease			NODI=C
	2/28/2011					NODI=C
	3/31/2011					NODI=C
	4/30/2011					NODI=C
	5/31/2011					NODI=C
	6/30/2011					NODI=C
	7/31/2011					NODI=C
	8/31/2011					NODI=C
	9/30/2011					NODI=C
	10/31/2011					NODI=C
	11/30/2011					NODI=C
	12/31/2011					NODI=C
	1/31/2012					NODI=C
	2/29/2012					NODI=C
	3/31/2012					NODI=C
	4/30/2012					NODI=C
	5/31/2012					NODI=C
	6/30/2012					NODI=C
	7/31/2012					NODI=C
	8/31/2012					NODI=C
	9/30/2012					NODI=C
	10/31/2012					NODI=C
	11/30/2012					NODI=C
	12/31/2012					NODI=C
	1/31/2013					NODI=C
	2/28/2013					NODI=C
	3/31/2013					NODI=C
	4/30/2013					NODI=C
	5/31/2013					NODI=C

	6/30/2013					NODI=C
	7/31/2013					NODI=C
	8/31/2013					NODI=C
	9/30/2013					NODI=C
	10/31/2013					NODI=C
	11/30/2013					NODI=C
	12/31/2013					NODI=C
	1/31/2014					NODI=C
	2/28/2014					NODI=C
	3/31/2014					NODI=C
	4/30/2014					NODI=C
	5/31/2014					NODI=C
	6/30/2014					NODI=C
	7/31/2014					NODI=C
	8/31/2014					NODI=C
	9/30/2014					NODI=C
	10/31/2014					NODI=C
	11/30/2014					NODI=C
	12/31/2014					NODI=C
	1/31/2015					NODI=C
	2/28/2015					NODI=C
	3/31/2015					NODI=C
	4/30/2015					NODI=C
	5/31/2015					NODI=C
	6/30/2015					NODI=C
	7/31/2015					NODI=C
	8/31/2015					NODI=C
	9/30/2015					NODI=C
	10/31/2015					NODI=C
	11/30/2015					NODI=C
	12/31/2015					NODI=C
	1/31/2016					NODI=C
	2/29/2016					NODI=C

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		N=0;Y=1	DAILY MX (N=0;Y=1)
UT0025640	1/31/2011	001A	Oil and grease visual			NODI=C
	2/28/2011					NODI=C
	3/31/2011					NODI=C
	4/30/2011					NODI=C
	5/31/2011					NODI=C
	6/30/2011					NODI=C
	7/31/2011					NODI=C
	8/31/2011					NODI=C
	9/30/2011					NODI=C
	10/31/2011					NODI=C
	11/30/2011					NODI=C
	12/31/2011					NODI=C
	1/31/2012					NODI=C
	2/29/2012					NODI=C
	3/31/2012					NODI=C
	4/30/2012					NODI=C
	5/31/2012					NODI=C
	6/30/2012					NODI=C
	7/31/2012					NODI=C
	8/31/2012					NODI=C
	9/30/2012					NODI=C
	10/31/2012					NODI=C
	11/30/2012					NODI=C
	12/31/2012					NODI=C
	1/31/2013					NODI=C
	2/28/2013					NODI=C
	3/31/2013					NODI=C
	4/30/2013					NODI=C
	5/31/2013					NODI=C
	6/30/2013					NODI=C
	7/31/2013					NODI=C
	8/31/2013					NODI=C
	9/30/2013					NODI=C
	10/31/2013					NODI=C
	11/30/2013					NODI=C
	12/31/2013					NODI=C
	1/31/2014					NODI=C
	2/28/2014					NODI=C
	3/31/2014					NODI=C
	4/30/2014					NODI=C
	5/31/2014					NODI=C
	6/30/2014					NODI=C
	7/31/2014					NODI=C
	8/31/2014					NODI=C
	9/30/2014					NODI=C
	10/31/2014					NODI=C
	11/30/2014					NODI=C
	12/31/2014					NODI=C
	1/31/2015					NODI=C
	2/28/2015					NODI=C
	3/31/2015					NODI=C
	4/30/2015					NODI=C
	5/31/2015					NODI=C
	6/30/2015					NODI=C
	7/31/2015					NODI=C
	8/31/2015					NODI=C
	9/30/2015					NODI=C
	10/31/2015					NODI=C
	11/30/2015					NODI=C
	12/31/2015					NODI=C
	1/31/2016					NODI=C
	2/29/2016					NODI=C

State ID				1		Reported Measure	1		Reported Measure
	Monitoring Period	Outfall	Parameter		SU	MINIMUM (SU)		SU	DAILY MX (SU)
UT0025640	1/31/2011	001A	pH			NODI=C			NODI=C
	2/28/2011					NODI=C			NODI=C
	3/31/2011					NODI=C			NODI=C
	4/30/2011					NODI=C			NODI=C
	5/31/2011					NODI=C			NODI=C
	6/30/2011					NODI=C			NODI=C
	7/31/2011					NODI=C			NODI=C
	8/31/2011					NODI=C			NODI=C
	9/30/2011					NODI=C			NODI=C
	10/31/2011					NODI=C			NODI=C
	11/30/2011					NODI=C			NODI=C
	12/31/2011					NODI=C			NODI=C
	1/31/2012					NODI=C			NODI=C
	2/29/2012					NODI=C			NODI=C
	3/31/2012					NODI=C			NODI=C

	4/30/2012					NODI=C			NODI=C
	5/31/2012					NODI=C			NODI=C
	6/30/2012					NODI=C			NODI=C
	7/31/2012					NODI=C			NODI=C
	8/31/2012					NODI=C			NODI=C
	9/30/2012					NODI=C			NODI=C
	10/31/2012					NODI=C			NODI=C
	11/30/2012					NODI=C			NODI=C
	12/31/2012					NODI=C			NODI=C
	1/31/2013					NODI=C			NODI=C
	2/28/2013					NODI=C			NODI=C
	3/31/2013					NODI=C			NODI=C
	4/30/2013					NODI=C			NODI=C
	5/31/2013					NODI=C			NODI=C
	6/30/2013					NODI=C			NODI=C
	7/31/2013					NODI=C			NODI=C
	8/31/2013					NODI=C			NODI=C
	9/30/2013					NODI=C			NODI=C
	10/31/2013					NODI=C			NODI=C
	11/30/2013					NODI=C			NODI=C
	12/31/2013					NODI=C			NODI=C
	1/31/2014					NODI=C			NODI=C
	2/28/2014					NODI=C			NODI=C
	3/31/2014					NODI=C			NODI=C
	4/30/2014					NODI=C			NODI=C
	5/31/2014					NODI=C			NODI=C
	6/30/2014					NODI=C			NODI=C
	7/31/2014					NODI=C			NODI=C
	8/31/2014					NODI=C			NODI=C
	9/30/2014					NODI=C			NODI=C
	10/31/2014					NODI=C			NODI=C
	11/30/2014					NODI=C			NODI=C
	12/31/2014					NODI=C			NODI=C
	1/31/2015					NODI=C			NODI=C
	2/28/2015					NODI=C			NODI=C
	3/31/2015					NODI=C			NODI=C
	4/30/2015					NODI=C			NODI=C
	5/31/2015					NODI=C			NODI=C
	6/30/2015					NODI=C			NODI=C
	7/31/2015					NODI=C			NODI=C
	8/31/2015					NODI=C			NODI=C
	9/30/2015					NODI=C			NODI=C
	10/31/2015					NODI=C			NODI=C
	11/30/2015					NODI=C			NODI=C
	12/31/2015					NODI=C			NODI=C
	1/31/2016					NODI=C			NODI=C
	2/29/2016					NODI=C			NODI=C

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		N=0;Y=1	DAILY MX (N=0;Y=1)
UT0025640	1/31/2011	001A	Sanitary waste discharged-assessmnt			NODI=C
	2/28/2011					NODI=C
	3/31/2011					NODI=C
	4/30/2011					NODI=C
	5/31/2011					NODI=C
	6/30/2011					NODI=C
	7/31/2011					NODI=C
	8/31/2011					NODI=C
	9/30/2011					NODI=C
	10/31/2011					NODI=C
	11/30/2011					NODI=C
	12/31/2011					NODI=C
	1/31/2012					NODI=C
	2/29/2012					NODI=C
	3/31/2012					NODI=C
	4/30/2012					NODI=C
	5/31/2012					NODI=C
	6/30/2012					NODI=C
	7/31/2012					NODI=C
	8/31/2012					NODI=C
	9/30/2012					NODI=C
	10/31/2012					NODI=C
	11/30/2012					NODI=C
	12/31/2012					NODI=C
	1/31/2013					NODI=C
	2/28/2013					NODI=C
	3/31/2013					NODI=C
	4/30/2013					NODI=C
	5/31/2013					NODI=C
	6/30/2013					NODI=C
	7/31/2013					NODI=C
	8/31/2013					NODI=C
	9/30/2013					NODI=C
	10/31/2013					NODI=C
	11/30/2013					NODI=C
	12/31/2013					NODI=C
	1/31/2014					NODI=C
	2/28/2014					NODI=C
	3/31/2014					NODI=C
	4/30/2014					NODI=C
	5/31/2014					NODI=C
	6/30/2014					NODI=C
	7/31/2014					NODI=C
	8/31/2014					NODI=C
	9/30/2014					NODI=C
	10/31/2014					NODI=C
	11/30/2014					NODI=C
	12/31/2014					NODI=C
	1/31/2015					NODI=C
	2/28/2015					NODI=C
	3/31/2015					NODI=C
	4/30/2015					NODI=C
	5/31/2015					NODI=C
	6/30/2015					NODI=C
	7/31/2015					NODI=C
	8/31/2015					NODI=C
	9/30/2015					NODI=C
	10/31/2015					NODI=C
	11/30/2015					NODI=C
	12/31/2015					NODI=C
	1/31/2016					NODI=C
	2/29/2016					NODI=C

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		mL/L	DAILY MX (mL/L)
UT0025640	1/31/2011	001A	Solids, settleable			NODI=C

	2/28/2011					NODI=C
	3/31/2011					NODI=C
	4/30/2011					NODI=C

State ID	Monitoring Period	Outfall	Parameter	1	mg/L	Reported Measure 30DA AVG (mg/L)	1	mg/L	Reported Measure DAILY MX (mg/L)
UT0025640	1/31/2011	001A	Solids, total dissolved						NODI=C
	2/28/2011								NODI=C
	3/31/2011								NODI=C
	4/30/2011								NODI=C
	5/31/2011					NODI=C			NODI=C
	6/30/2011					NODI=C			NODI=C
	7/31/2011					NODI=C			NODI=C
	8/31/2011					NODI=C			NODI=C
	9/30/2011					NODI=C			NODI=C
	10/31/2011					NODI=C			NODI=C
	11/30/2011					NODI=C			NODI=C
	12/31/2011					NODI=C			NODI=C
	1/31/2012					NODI=C			NODI=C
	2/29/2012					NODI=C			NODI=C
	3/31/2012					NODI=C			NODI=C
	4/30/2012					NODI=C			NODI=C
	5/31/2012					NODI=C			NODI=C
	6/30/2012					NODI=C			NODI=C
	7/31/2012					NODI=C			NODI=C
	8/31/2012					NODI=C			NODI=C
	9/30/2012					NODI=C			NODI=C
	10/31/2012					NODI=C			NODI=C
	11/30/2012					NODI=C			NODI=C
	12/31/2012					NODI=C			NODI=C
	1/31/2013					NODI=C			NODI=C
	2/28/2013					NODI=C			NODI=C
	3/31/2013					NODI=C			NODI=C
	4/30/2013					NODI=C			NODI=C
	5/31/2013					NODI=C			NODI=C
	6/30/2013					NODI=C			NODI=C
	7/31/2013					NODI=C			NODI=C
	8/31/2013					NODI=C			NODI=C
	9/30/2013					NODI=C			NODI=C
	10/31/2013					NODI=C			NODI=C
	11/30/2013					NODI=C			NODI=C
	12/31/2013					NODI=C			NODI=C
	1/31/2014					NODI=C			NODI=C
	2/28/2014					NODI=C			NODI=C
	3/31/2014					NODI=C			NODI=C
	4/30/2014					NODI=C			NODI=C
	5/31/2014					NODI=C			NODI=C
	6/30/2014					NODI=C			NODI=C
	7/31/2014					NODI=C			NODI=C
	8/31/2014					NODI=C			NODI=C
	9/30/2014					NODI=C			NODI=C
	10/31/2014					NODI=C			NODI=C
	11/30/2014					NODI=C			NODI=C
	12/31/2014					NODI=C			NODI=C
	1/31/2015					NODI=C			NODI=C
	2/28/2015					NODI=C			NODI=C
	3/31/2015					NODI=C			NODI=C
	4/30/2015					NODI=C			NODI=C
	5/31/2015					NODI=C			NODI=C
	6/30/2015					NODI=C			NODI=C
	7/31/2015					NODI=C			NODI=C
	8/31/2015					NODI=C			NODI=C
	9/30/2015					NODI=C			NODI=C
	10/31/2015					NODI=C			NODI=C
	11/30/2015					NODI=C			NODI=C
	12/31/2015					NODI=C			NODI=C
	1/31/2016					NODI=C			NODI=C
	2/29/2016					NODI=C			NODI=C

State ID	Monitoring Period	Outfall	Parameter	1	mg/L	Reported Measure MO AV MN (mg/L)	1	mg/L	Reported Measure 7 DA AVG (mg/L)	1	mg/L	Reported Measure DAILY MX (mg/L)
UT0025640	1/31/2011	001A	Solids, total suspended			NODI=C			NODI=C			NODI=C
	2/28/2011					NODI=C			NODI=C			NODI=C
	3/31/2011					NODI=C			NODI=C			NODI=C
	4/30/2011					NODI=C			NODI=C			NODI=C
	5/31/2011					NODI=C			NODI=C			NODI=C
	6/30/2011					NODI=C			NODI=C			NODI=C
	7/31/2011					NODI=C			NODI=C			NODI=C
	8/31/2011					NODI=C			NODI=C			NODI=C
	9/30/2011					NODI=C			NODI=C			NODI=C
	10/31/2011					NODI=C			NODI=C			NODI=C
	11/30/2011					NODI=C			NODI=C			NODI=C
	12/31/2011					NODI=C			NODI=C			NODI=C
	1/31/2012					NODI=C			NODI=C			NODI=C
	2/29/2012					NODI=C			NODI=C			NODI=C
	3/31/2012					NODI=C			NODI=C			NODI=C
	4/30/2012					NODI=C			NODI=C			NODI=C
	5/31/2012					NODI=C			NODI=C			NODI=C
	6/30/2012					NODI=C			NODI=C			NODI=C
	7/31/2012					NODI=C			NODI=C			NODI=C
	8/31/2012					NODI=C			NODI=C			NODI=C
	9/30/2012					NODI=C			NODI=C			NODI=C
	10/31/2012					NODI=C			NODI=C			NODI=C
	11/30/2012					NODI=C			NODI=C			NODI=C
	12/31/2012					NODI=C			NODI=C			NODI=C
	1/31/2013					NODI=C			NODI=C			NODI=C
	2/28/2013					NODI=C			NODI=C			NODI=C
	3/31/2013					NODI=C			NODI=C			NODI=C
	4/30/2013					NODI=C			NODI=C			NODI=C
	5/31/2013					NODI=C			NODI=C			NODI=C
	6/30/2013					NODI=C			NODI=C			NODI=C
	7/31/2013					NODI=C			NODI=C			NODI=C
	8/31/2013					NODI=C			NODI=C			NODI=C
	9/30/2013					NODI=C			NODI=C			NODI=C
	10/31/2013					NODI=C			NODI=C			NODI=C
	11/30/2013					NODI=C			NODI=C			NODI=C
	12/31/2013					NODI=C			NODI=C			NODI=C
	1/31/2014					NODI=C			NODI=C			NODI=C
	2/28/2014					NODI=C			NODI=C			NODI=C
	3/31/2014					NODI=C			NODI=C			NODI=C
	4/30/2014					NODI=C			NODI=C			NODI=C
	5/31/2014					NODI=C			NODI=C			NODI=C
	6/30/2014					NODI=C			NODI=C			NODI=C
	7/31/2014					NODI=C			NODI=C			NODI=C
	8/31/2014					NODI=C			NODI=C			NODI=C
	9/30/2014					NODI=C			NODI=C			NODI=C

	10/31/2014					NODI=C			NODI=C		NODI=C
	11/30/2014					NODI=C			NODI=C		NODI=C
	12/31/2014					NODI=C			NODI=C		NODI=C
	1/31/2015					NODI=C			NODI=C		NODI=C
	2/28/2015					NODI=C			NODI=C		NODI=C
	3/31/2015					NODI=C			NODI=C		NODI=C
	4/30/2015					NODI=C			NODI=C		NODI=C
	5/31/2015					NODI=C			NODI=C		NODI=C
	6/30/2015					NODI=C			NODI=C		NODI=C
	7/31/2015					NODI=C			NODI=C		NODI=C
	8/31/2015					NODI=C			NODI=C		NODI=C
	9/30/2015					NODI=C			NODI=C		NODI=C
	10/31/2015					NODI=C			NODI=C		NODI=C
	11/30/2015					NODI=C			NODI=C		NODI=C
	12/31/2015					NODI=C			NODI=C		NODI=C
	1/31/2016					NODI=C			NODI=C		NODI=C
	2/29/2016					NODI=C			NODI=C		NODI=C

WEST RIDGE RESOURC

State ID	Monitoring Period	Outfall	Parameter	1		Reported Measure
					mg/L	DAILY MX (mg/L)
UT0025640	5/31/2011	002A	Aluminum, total [as Al]			0.33
	6/30/2011					0.29
	7/31/2011					0.24
	8/31/2011					0.64
	9/30/2011					0.69
	10/31/2011					0.47
	11/30/2011					0.45
	12/31/2011					0.35
	1/31/2012					0.4
	2/29/2012					0.5
	3/31/2012					0.25
	4/30/2012					0.25
	5/31/2012					0.9
	6/30/2012					0.44
	7/31/2012					0.64
	8/31/2012					0.24
	9/30/2012					0.24
	10/31/2012					0.58
	11/30/2012					0.36
	12/31/2012					0.62
	1/31/2013					0.20
	2/28/2013					0.11
	3/31/2013					0.22
	4/30/2013					0.21
	5/31/2013					0.79
	6/30/2013					0.17
	7/31/2013					0.08
	8/31/2013					0.31
	9/30/2013					0.44
	10/31/2013					0.26
	11/30/2013					0.28
	12/31/2013					0.09
	1/31/2014					1.62
	2/28/2014					0.34
	3/31/2014					0.14
	4/30/2014					0.35
	5/31/2014					0.42
	6/30/2014					0.42
	7/31/2014					2.48
	8/31/2014					0.74
	9/30/2014					0.38
	10/31/2014					0.65
	11/30/2014					0.39
	12/31/2014					0.61
	1/31/2015					0.92
	2/28/2015					0.25
	3/31/2015					0.16
	4/30/2015					0.45
	5/31/2015					0.53
	6/30/2015					0.46
	7/31/2015					NODI=C
	8/31/2015					0.51
	9/30/2015					0.46
	10/31/2015					0.15
	11/30/2015					0.12
	12/31/2015					0.2
	1/31/2016					0.64
	2/29/2016					0.21

State ID	Monitoring Period	Outfall	Parameter	1		Reported Measure
					N=0;Y=1	DAILY MX (N=0;Y=1)
UT0025640	1/31/2011	002A	Floating solids, waste or visible foam-visual			0
	2/28/2011					0
	3/31/2011					0
	4/30/2011					0
	5/31/2011					0
	6/30/2011					0
	7/31/2011					0
	8/31/2011					0
	9/30/2011					0
	10/31/2011					0
	11/30/2011					0
	12/31/2011					0
	1/31/2012					0
	2/29/2012					0
	3/31/2012					0
	4/30/2012					0
	5/31/2012					NODI=9
	6/30/2012					0
	7/31/2012					0
	8/31/2012					0
	9/30/2012					0
	10/31/2012					0
	11/30/2012					0
	12/31/2012					0
	1/31/2013					0
	2/28/2013					0
	3/31/2013					0
	4/30/2013					0
	5/31/2013					0

	6/30/2013					0
	7/31/2013					0
	8/31/2013					0
	9/30/2013					0
	10/31/2013					0
	11/30/2013					0
	12/31/2013					0
	1/31/2014					0
	2/28/2014					0
	3/31/2014					0
	4/30/2014					0
	5/31/2014					0
	6/30/2014					0
	7/31/2014					0
	8/31/2014					0
	9/30/2014					0
	10/31/2014					0
	11/30/2014					0
	12/31/2014					0
	1/31/2015					0
	2/28/2015					0
	3/31/2015					0
	4/30/2015					0
	5/31/2015					0
	6/30/2015					0
	7/31/2015					NODI=C
	8/31/2015					0
	9/30/2015					0
	10/31/2015					0
	11/30/2015					0
	12/31/2015					0
	1/31/2016					0
	2/29/2016					0

State ID	Monitoring Period	Outfall	Parameter	1	MGD	Reported Measure 30DA AVG (MGD)	1	MGD	Reported Measure DAILY MX (MGD)
UT0025640	1/31/2011	002A	Flow rate						2.02
	2/28/2011								2.12
	3/31/2011								2.16
	4/30/2011								2.26
	5/31/2011					1.89			1.89
	6/30/2011					2.22			2.22
	7/31/2011					2.35			2.35
	8/31/2011					2.529			2.529
	9/30/2011					2.809			2.809
	10/31/2011					2.717			2.717
	11/30/2011					2.7464			2.7464
	12/31/2011					2.4718			2.4718
	1/31/2012					2.746			2.746
	2/29/2012					3.244			3.244
	3/31/2012					3.0962			3.0962
	4/30/2012					3.1556			3.1556
	5/31/2012					3.2764			3.2734
	6/30/2012					3.1808			3.1808
	7/31/2012					3.3036			3.3036
	8/31/2012					2.9763			2.9763
	9/30/2012					3.2106			3.2106
	10/31/2012					3.091			3.091
	11/30/2012					3.2303			3.2303
	12/31/2012					1.5531			1.5531
	1/31/2013					3.2384			3.2384
	2/28/2013					2.5211			2.5211
	3/31/2013					2.0028			2.0028
	4/30/2013					1.3883			1.3883
	5/31/2013					1.2868			1.2868
	6/30/2013					1.2666			1.2666
	7/31/2013					1.6426			1.6426
	8/31/2013					3.3085			3.3085
	9/30/2013					3.1383			3.1383
	10/31/2013					3.2392			3.2392
	11/30/2013					3.074			3.074
	12/31/2013					3.072			3.072
	1/31/2014					3.0523			3.0523
	2/28/2014					2.8696			2.8696
	3/31/2014					2.8254			2.8254
	4/30/2014					2.8247			2.8247
	5/31/2014					2.6104			2.6104
	6/30/2014					3.404			3.404
	7/31/2014					1.902			1.902
	8/31/2014					1.9866			1.98864
	9/30/2014					2.9419			2.9419
	10/31/2014					2.118			2.118
	11/30/2014					2.47			2.47
	12/31/2014					3.272			3.272
	1/31/2015					1.4962			1.63584
	2/28/2015					1.4803			1.49904
	3/31/2015					1.458			1.471
	4/30/2015					2.065			2.535
	5/31/2015					2.3918			2.40912
	6/30/2015					2.2392			2.55456
	7/31/2015					NODI=C			NODI=C
	8/31/2015					1.3435			1.3752
	9/30/2015					1.2744			1.28592
	10/31/2015					2.4782			2.52288
	11/30/2015					2.4127			2.46096
	12/31/2015					2.4739			2.4768
	1/31/2016					2.4264			2.44944
	2/29/2016					2.3976			2.4192

State ID	Monitoring Period	Outfall	Parameter	1	mg/L	Reported Measure DAILY MX (mg/L)
UT0025640	1/31/2011	002A	Iron, total [as Fe]			0.77
	2/28/2011					0.49
	3/31/2011					0.56
	4/30/2011					1.22
	5/31/2011					0.71
	6/30/2011					0.82
	7/31/2011					0.97
	8/31/2011					2.4
	9/30/2011					0.9
	10/31/2011					0.56
	11/30/2011					0.62
	12/31/2011					0.86
	1/31/2012					0.437
	2/29/2012					0.846
	3/31/2012					0.7

	4/30/2012					0.7
	5/31/2012					1.18
	6/30/2012					1.41
	7/31/2012					0.98
	8/31/2012					0.46
	9/30/2012					0.65
	10/31/2012					0.9
	11/30/2012					0.71
	12/31/2012					1.23
	1/31/2013					0.59
	2/28/2013					0.47
	3/31/2013					0.56
	4/30/2013					0.32
	5/31/2013					1.39
	6/30/2013					0.11
	7/31/2013					0.34
	8/31/2013					0.68
	9/30/2013					0.64
	10/31/2013					0.8
	11/30/2013					0.76
	12/31/2013					0.87
	1/31/2014					0.73
	2/28/2014					0.59
	3/31/2014					0.6
	4/30/2014					0.54
	5/31/2014					0.56
	6/30/2014					1.34
	7/31/2014					0.73
	8/31/2014					0.88
	9/30/2014					0.93
	10/31/2014					0.94
	11/30/2014					0.81
	12/31/2014					0.93
	1/31/2015					0.83
	2/28/2015					0.71
	3/31/2015					0.59
	4/30/2015					0.72
	5/31/2015					0.66
	6/30/2015					0.78
	7/31/2015					NODI=C
	8/31/2015					0.68
	9/30/2015					0.66
	10/31/2015					0.84
	11/30/2015					0.79
	12/31/2015					1.27
	1/31/2016					0.56
	2/29/2016					0.66

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		mg/L	DAILY MX (mg/L)
UT0025640	1/31/2011	002A	Oil and grease			<5
	2/28/2011					<5
	3/31/2011					<5
	4/30/2011					<5
	5/31/2011					<5
	6/30/2011					<5
	7/31/2011					<5
	8/31/2011					<5
	9/30/2011					<5
	10/31/2011					<5
	11/30/2011					<5
	12/31/2011					<5
	1/31/2012					<5
	2/29/2012					<5
	3/31/2012					<5
	4/30/2012					<5
	5/31/2012					<5
	6/30/2012					<5
	7/31/2012					<5
	8/31/2012					<5
	9/30/2012					<5
	10/31/2012					<5
	11/30/2012					<5
	12/31/2012					<5
	1/31/2013					<5
	2/28/2013					<5
	3/31/2013					NODI=9
	4/30/2013					<5
	5/31/2013					<5
	6/30/2013					<5
	7/31/2013					<5
	8/31/2013					<5
	9/30/2013					<5
	10/31/2013					<5
	11/30/2013					<5
	12/31/2013					<5
	1/31/2014					<5
	2/28/2014					<5
	3/31/2014					<5
	4/30/2014					<5
	5/31/2014					<5
	6/30/2014					<5
	7/31/2014					<5
	8/31/2011					<5
	9/30/2014					<5
	10/31/2014					<5
	11/30/2014					<5
	12/31/2014					<5
	1/31/2015					<5
	2/28/2015					<5
	3/31/2015					<5
	4/30/2015					<5
	5/31/2015					<5
	6/30/2015					<5
	7/31/2015					NODI=C
	8/31/2015					<5
	9/30/2015					<5
	10/31/2015					<5
	11/30/2015					<5
	12/31/2015					<5
	1/31/2016					<5
	2/29/2016					<5

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		N=0;Y=1	DAILY MX (N=0;Y=1)
UT0025640	1/31/2011	002A	Oil and grease visual			0

	2/28/2011					0
	3/31/2011					0
	4/30/2011					0
	5/31/2011					0
	6/30/2011					0
	7/31/2011					0
	8/31/2011					0
	9/30/2011					0
	10/31/2011					0
	11/30/2011					0
	12/31/2011					0
	1/31/2012					0
	2/29/2012					0
	3/31/2012					0
	4/30/2012					0
	5/31/2012					0
	6/30/2012					0
	7/31/2012					0
	8/31/2012					0
	9/30/2012					0
	10/31/2012					0
	11/30/2012					0
	12/31/2012					0
	1/31/2013					0
	2/28/2013					0
	3/31/2013					0
	4/30/2013					0
	5/31/2013					0
	6/30/2013					0
	7/31/2013					0
	8/31/2013					0
	9/30/2013					0
	10/31/2013					0
	11/30/2013					0
	12/31/2013					0
	1/31/2014					0
	2/28/2014					0
	3/31/2014					0
	4/30/2014					0
	5/31/2014					0
	6/30/2014					0
	7/31/2014					0
	8/31/2014					0
	9/30/2014					0
	10/31/2014					0
	11/30/2014					0
	12/31/2014					0
	1/31/2015					0
	2/28/2015					0
	3/31/2015					0
	4/30/2015					0
	5/31/2015					0
	6/30/2015					0
	7/31/2015					NODI=C
	8/31/2015					0
	9/30/2015					0
	10/31/2015					0
	11/30/2015					0
	12/31/2015					0
	1/31/2016					0
	2/29/2016					0

State ID	Monitoring Period	Outfall	Parameter	1	SU	Reported Measure MINIMUM (SU)	1	SU	Reported Measure DAILY MX (SU)
UT0025640	1/31/2011	002A	pH			8.09			8.09
	2/28/2011					8.2			8.2
	3/31/2011					8.1			8.1
	4/30/2011					8.1			8.1
	5/31/2011					8.2			8.2
	6/30/2011					8.2			8.2
	7/31/2011					8.1			8.2
	8/31/2011					8.1			8.2
	9/30/2011					8.1			8.1
	10/31/2011					8.1			8.2
	11/30/2011					8.1			8.2
	12/31/2011					8.1			8.2
	1/31/2012					8.4			8.9
	2/29/2012					8.1			8.5
	3/31/2012					8.4			8.5
	4/30/2012					8.4			8.6
	5/31/2012					8.5			8.6
	6/30/2012					8.1			8.6
	7/31/2012					8.2			8.2
	8/31/2012					8.02			8.2
	9/30/2012					8.3			8.4
	10/31/2012					8.5			8.6
	11/30/2012					8.3			8.5
	12/31/2012					8.3			8.4
	1/31/2013					8.4			8.5
	2/28/2013					8.3			8.4
	3/31/2013					8.3			8.6
	4/30/2013					8.1			8.4
	5/31/2013					7.5			7.5
	6/30/2013					8.1			8.2
	7/31/2013					8.1			8.2
	8/31/2013					8.2			8.3
	9/30/2013					8.3			8.4
	10/31/2013					8.1			8.2
	11/30/2013					8.1			8.5
	12/31/2013					8.4			8.6
	1/31/2014					8.2			8.5
	2/28/2014					8.3			8.6
	3/31/2014					8.3			8.6
	4/30/2014					8.5			8.6
	5/31/2014					8.3			8.7
	6/30/2014					8.5			9
	7/31/2014					8.4			7
	8/31/2014					8.4			8.6
	9/30/2014					8.6			8.7
	10/31/2014					8.5			8.7
	11/30/2014					8.87			8.89
	12/31/2014					8.38			8.91
	1/31/2015					8.7			8.87
	2/28/2015					8.7			8.87
	3/31/2015					7.8			7.84
	4/30/2015					8.67			8.54
	5/31/2015					8.55			8.31

	6/30/2015					8.5		8.5
	7/31/2015					NODI=C		NODI=C
	8/31/2015					8.4		8.9
	9/30/2015					8.4		8.5
	10/31/2015					8.4		8.4
	11/30/2015					8.4		8.8
	12/31/2015					8.7		8.7
	1/31/2016					8.4		8.6
	2/29/2016					8.4		8.5

State ID	Monitoring Period	Outfall	Parameter	1	N=0;Y=1	Reported Measure DAILY MX (N=0;Y=1)
UT0025640	1/31/2011	002A	Sanitary waste discharged-assessmnt			0
	2/28/2011					0
	3/31/2011					0
	4/30/2011					0
	5/31/2011					0
	6/30/2011					0
	7/31/2011					0
	8/31/2011					0
	9/30/2011					U
	10/31/2011					0
	11/30/2011					0
	12/31/2011					0
	1/31/2012					0
	2/29/2012					0
	3/31/2012					0
	4/30/2012					0
	5/31/2012					0
	6/30/2012					0
	7/31/2012					0
	8/31/2012					0
	9/30/2012					0
	10/31/2012					0
	11/30/2012					0
	12/31/2012					0
	1/31/2013					0
	2/28/2013					0
	3/31/2013					0
	4/30/2013					0
	5/31/2013					0
	6/30/2013					0
	7/31/2013					0
	8/31/2013					0
	9/30/2013					0
	10/31/2013					0
	11/30/2013					0
	12/31/2013					0
	1/31/2014					0
	2/28/2014					0
	3/31/2014					0
	4/30/2014					0
	5/31/2014					0
	6/30/2014					0
	7/31/2014					0
	8/31/2014					0
	9/30/2014					0
	10/31/2014					0
	11/30/2014					0
	12/31/2014					0
	1/31/2015					0
	2/28/2015					0
	3/31/2015					0
	4/30/2015					0
	5/31/2015					0
	6/30/2015					0
	7/31/2015					NODI=C
	8/31/2015					0
	9/30/2015					0
	10/31/2015					0
	11/30/2015					0
	12/31/2015					0
	1/31/2016					0
	2/29/2016					0

State ID	Monitoring Period	Outfall	Parameter	1	mL/L	Reported Measure DAILY MX (mL/L)
UT0025640	1/31/2011	002A	Solids, settleable			NODI=9
	2/28/2011					NODI=9
	3/31/2011					NODI=9
	4/30/2011					NODI=9

State ID	Monitoring Period	Outfall	Parameter	1	mg/L	Reported Measure 30DA AVG (mg/L)	1	mg/L	Reported Measure DAILY MX (mg/L)
UT0025640	1/31/2011	002A	Solids, total dissolved						1358
	2/28/2011								1348
	3/31/2011								1377
	4/30/2011								1394
	5/31/2011					0			1291
	6/30/2011					1219			1219
	7/31/2011					1287			1287
	8/31/2011					1293			1293
	9/30/2011					1287			1287
	10/31/2011					1216			1272
	11/30/2011					NODI=X			1216
	12/31/2011					NODI=X			1161
	1/31/2012					NODI=B			1107
	2/29/2012					844			844
	3/31/2012					NODI=X			932
	4/30/2012					NODI=X			932
	5/31/2012					1189			1189
	6/30/2012					718			718
	7/31/2012					1176			1176
	8/31/2012					779			779
	9/30/2012					779			798
	10/31/2012					765			765
	11/30/2012					559			559
	12/31/2012					900			900
	1/31/2013					663			663
	2/28/2013					618			618
	3/31/2013					665			665
	4/30/2013					949			949
	5/31/2013					994			994
	6/30/2013					859			859
	7/31/2013					322			322
	8/31/2013					693			693

	9/30/2013					514		514
	10/31/2013					458		458
	11/30/2013					277		277
	12/31/2013					444		444
	1/31/2014					444		444
	2/28/2014					507		507
	3/31/2014					686		686
	4/30/2014					570		570
	5/31/2014					866		866
	6/30/2014					1121		1121
	7/31/2014					773		773
	8/31/2014					1135		1135
	9/30/2014					1154		1154
	10/31/2014					1178		1178
	11/30/2014					1121		1121
	12/31/2014					1166		1166
	1/31/2015					1158		1158
	2/28/2015					NODI=9		NODI=9
	3/31/2015					1109		1109
	4/30/2015					1158		1158
	5/31/2015					1205		1205
	6/30/2015					1192		1192
	7/31/2015					NODI=C		NODI=C
	8/31/2015					1183		1183
	9/30/2015					1143		1143
	10/31/2015					1171		1171
	11/30/2015					1143		1143
	12/31/2015					1236		1236
	1/31/2016					1121		1121
	2/29/2016					1179		1179

State ID				1		Reported Measure	1		Reported Measure	1		Reported Measure
	Monitoring Period	Outfall	Parameter		mg/L	AVERAGE (mg/L)		mg/L	7 DA AVG (mg/L)		mg/L	DAILY MX (mg/L)
UT0025640	1/31/2011	002A	Solids, total suspended			17			17			17
	2/28/2011					<5			<5			<5
	3/31/2011					<5			<5			<5
	4/30/2011					<5			<5			<5
	5/31/2011					21			23			25
	6/30/2011					20			28.5			37
	7/31/2011					13			14.5			16
	8/31/2011					5			10			15
	9/30/2011					17			20			23
	10/31/2011					<5			3			6
	11/30/2011					13			13			13
	12/31/2011					13			15			17
	1/31/2012					6			17			28
	2/29/2012					12			12			12
	3/31/2012					13			14			15
	4/30/2012					<5			11			17
	5/31/2012					16			18			20
	6/30/2012					19			35			52
	7/31/2012					13			26.5			40
	8/31/2012					<5			7			9
	9/30/2012					<5			7			9
	10/31/2012					7			9			11
	11/30/2012					<5			2			6
	12/31/2012					8			16.5			25
	1/31/2013					<5			12			12
	2/28/2013					<5			<5			<5
	3/31/2013					6			7			8
	4/30/2013					<5			7			15
	5/31/2013					8			13			18
	6/30/2013					<5			5.5			11
	7/31/2013					6			7.5			9
	8/31/2013					11			13.5			16
	9/30/2013					<5			6			12
	10/31/2013					8			9			10
	11/30/2013					9			9.5			10
	12/31/2013					<5			7			7
	1/31/2014					6			10			14
	2/28/2014					11			11.5			12
	3/31/2014					6			6.5			7
	4/30/2014					NODI=X			4			8
	5/31/2014					NODI=X			6.5			13
	6/30/2014					6			15			24
	7/31/2014					<5			<5			<5
	8/31/2014					25			NODI=X			<5
	9/30/2014					13			18.5			24
	10/31/2014					14			17.5			21
	11/30/2014					30			30.5			31
	12/31/2014					<5			NODI=X			15
	1/31/2015					23			34			45
	2/28/2015					<5			NODI=X			17
	3/31/2015					<5			NODI=X			<5
	4/30/2015					10			14			18
	5/31/2015					10			11.5			13
	6/30/2015					12			14			17
	7/31/2015					NODI=C			NODI=C			NODI=C
	8/31/2015					<5			<5			<5
	9/30/2015					7			8			9
	10/31/2015					7			7.5			8
	11/30/2015					<5			NODI=X			6
	12/31/2015					12			19.5			27
	1/31/2016					<5			NODI=X			9
	2/29/2016					<5			0			8

WEST RIDGE RESOURC

State ID				1		Reported Measure
	Monitoring Period	Outfall	Parameter		ton/d	DAILY MX (ton/d)
UT0025640	1/31/2011	SUMA	Solids, total dissolved			11.4
	2/28/2011					11.9
	3/31/2011					12.4
	4/30/2011					13.1
	5/31/2011					11.3
	6/30/2011					11.3
	7/31/2011					12.6
	8/31/2011					13.6
	9/30/2011					15.1
	10/31/2011					14.4
	11/30/2011					13.9
	12/31/2011					11.9

	1/31/2012					11.4
	2/29/2012					8.7
	3/31/2012					12
	4/30/2012					15
	5/31/2012					16.2
	6/30/2012					9.5
	7/31/2012					16.2
	8/31/2012					9.7
	9/30/2012					9.7
	10/31/2012					9.9
	11/30/2012					7.5
	12/31/2012					5.8
	1/31/2013					9
	2/28/2013					6.5
	3/31/2013					5.6
	4/30/2013					5.5
	5/31/2013					5.3
	6/30/2013					4.7
	7/31/2013					2.2
	8/31/2013					9.6
	9/30/2013					6.7
	10/31/2013					6.2
	11/30/2013					3.6
	12/31/2013					5.7
	1/31/2014					5.7
	2/28/2014					6.1
	3/31/2014					8.1
	4/30/2014					6.7
	5/31/2014					9.6
	6/30/2014					14.9
	7/31/2014					10.1
	8/31/2014					9.4
	9/30/2014					11.3
	10/31/2014					10.4
	11/30/2014					6.1
	12/31/2014					16
	1/31/2015					7.9
	2/28/2015					6.8
	3/31/2015					6.8
	4/30/2015					7.7
	5/31/2015					12
	6/30/2015					12.8
	7/31/2015					12.1
	8/31/2015					6.8
	9/30/2015					6.1
	10/31/2015					12.3
	11/30/2015					11.8
	12/31/2015					12.0
	1/31/2016					11.5
	2/29/2016					11.9

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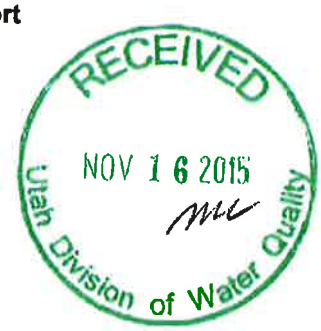
Analysis Report

November 09, 2015

WEST RIDGE RESOURCES INC
ACCOUNTS PAYABLE
46226 NATIONAL ROAD W
SAINT CLAIRSVILLE OH 43950



Client Sample ID:	WEST RIDGE	Sample ID By:	WEST RIDGE RESOURCES INC
Date Sampled:	Oct 12, 2015	Sample Taken At:	UPDES 002
Date Received:	Oct 12, 2015	Sample Taken By:	KM
Product Description:	WATER	Time Sampled:	0726
		Time Received:	1005
		Mine:	35
		Site:	21
		Field - pH:	8.4 pH Units
		Field - Dis. Oxygen:	6.2 mg/l
		Field - Flow:	1722 GPM
		Field - Conductivity:	1750 umhos/cm
		Field - Temperature:	17.4 Deg. C

Comments: Dissolved Metals Filtered at Lab; Sb, Be, Co, Tl, Br, Cyanide, Phenolics, and Sulfide Analyzed at A.W.A.L.; Chlorine Analyzed at Chem-Tech Ford

SGS Minerals Sample ID: 782-1530974-001

TESTS	RESULT	UNIT	METHOD	REPORTING LIMIT	ANALYZED DATE	ANALYZED TIME	ANALYST
Hardness, mg equivalent CaCO3/L	326	mg/L	SM2340-B	1	2015-10-26	18:05:00	MS
Oil and Grease, (HEM)	<5	mg/L	EPA 1664A	5	2015-10-23	09:00:00	HF
Acidity	<5	mg/L	D1067	5	2015-10-23	15:00:00	HF
Oxygen, Dissolved	7.8	mg/L	SM 4500-O G	0.1	2015-10-12	15:06:00	HF
Cyanide	<0.005	mg/L	EPA 335.4	0.005	2015-10-20	11:25:00	DI
Alkalinity, mg CaCO3/L (pH 4.5)	493	mg/L	SM2320-B	5	2015-10-13	16:11:00	HF
Bicarbonate Alkalinity as CaCO3	493	mg/L	SM2320-B	5	2015-10-13	16:11:00	HF
Carbonate Alkalinity as CaCO3	<5	mg/L	SM2320-B	5	2015-10-13	16:11:00	HF
Phenolics	<0.050	mg/L	EPA 420.4	0.05	2015-10-21	14:16:00	DI
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.1	2015-10-29	13:00:00	HF
pH	8.15		SM4500-H	0.01	2015-10-12	13:26:00	HF
pH Temperature	16.10	°C	SM4500-H	0.01	2015-10-12	13:26:00	HF
Conductivity	916	µmhos/cm	SM2510	0.1	2015-10-12	08:00:00	HF
Total Dissolved Solids	1173	mg/L	SM2540-C	30	2015-10-13	14:00:00	MS
Total Suspended Solids	6	mg/L	SM2540-D	5	2015-10-13	14:00:00	MS
Settleable Solids	<0.1	mL/L	SM2540-F a	0.1	2015-10-12	14:00:00	MS

Lab Supervisor

Domenic Ibanez
Lab Supervisor

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Analysis Report

November 09, 2015

WEST RIDGE RESOURCES INC
ACCOUNTS PAYABLE
46226 NATIONAL ROAD W
SAINT CLAIRSVILLE OH 43950

Client Sample ID:	WEST RIDGE	Sample ID By:	WEST RIDGE RESOURCES INC
Date Sampled:	Oct 12, 2015	Sample Taken At:	UPDES 002
Date Received:	Oct 12, 2015	Sample Taken By:	KM
Product Description:	WATER	Time Sampled:	0726
		Time Received:	1005
		Mine:	35
		Site:	21
		Field - pH:	8.4 pH Units
		Field - Dis. Oxygen:	6.2 mg/l
		Field - Flow:	1722 GPM
		Field - Conductivity:	1750 umhos/cm
		Field - Temperature:	17.4 Deg. C

Comments: Dissolved Metals Filtered at Lab; Sb, Be, Co, Tl, Br, Cyanide, Phenolics, and Sulfide Analyzed at A.W.A.L.; Chlorine Analyzed at Chem-Tech Ford

SGS Minerals Sample ID: 782-1530974-001

TESTS	RESULT	UNIT	METHOD	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
Nitrate	<0.05	mg/L	EPA 300.0	0.05	2015-10-15	12:42:21	DI
Nitrite	0.11	mg/L	EPA 300.0	0.05	2015-10-15	12:42:21	DI
Nitrate + Nitrite as Nitrogen	0.11	mg/L	EPA 300.0	0.05	2015-10-15	12:42:21	DI
Chloride, Cl	27	mg/L	EPA 300.0	1	2015-10-15	12:42:21	DI
Sulfate, SO4	428	mg/L	EPA 300.0	1	2015-10-16	14:23:30	DI
Bromide, Br	<0.50	mg/L	EPA 300.0	0.5	2015-10-16	18:48:00	DI
Fluoride, Fl	0.98	mg/L	EPA 300.0	0.05	2015-10-15	12:42:21	DI
Chlorine Residual, Total	<0.10	mg/L	SM 4500 CL-G	0.1	2015-10-13	16:25:00	DI
Sulfide	<0.01	mg/L	SM 4500 S2-D	0.01	2015-10-14	06:33:00	DI
Mercury, Hg - Total	<0.2	µg/L	EPA 245.1	0.2	2015-10-27	10:30:00	HF
Phosphorus, Total	<0.05	mg/L	SM4500-P E	0.05	2015-10-27	08:00:00	DI
Phosphorus, Dissolved	<0.05	mg/L	SM4500-P E	0.05	2015-10-27	08:00:00	DI
METALS BY ICP							
Aluminum, Al - Total	0.13	mg/L	EPA 200.7	0.03	2015-10-14	16:44:00	HF
Antimony, Sb - Total	<0.002	mg/L	EPA 200.8	0.002	2015-10-16	09:43:00	DI
Arsenic, As - Total	<0.01	mg/L	EPA 200.7	0.01	2015-10-14	16:44:00	HF

Lab Supervisor

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Analysis Report

November 09, 2015

WEST RIDGE RESOURCES INC
ACCOUNTS PAYABLE
46226 NATIONAL ROAD W
SAINT CLAIRSVILLE OH 43950

Client Sample ID:	WEST RIDGE	Sample ID By:	WEST RIDGE RESOURCES INC
Date Sampled:	Oct 12, 2015	Sample Taken At:	UPDES 002
Date Received:	Oct 12, 2015	Sample Taken By:	KM
Product Description:	WATER	Time Sampled:	0726
		Time Received:	1005
		Mine:	35
		Site:	21
		Field - pH:	8.4 pH Units
		Field - Dis. Oxygen:	6.2 mg/l
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		Field - Conductivity:	1750 umhos/cm
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Comments: Dissolved Metals Filtered at Lab; Sb, Be, Co, Tl, Br, Cyanide, Phenolics, and Sulfide Analyzed at A.W.A.L.; Chlorine Analyzed at Chem-Tech Ford

SGS Minerals Sample ID: 782-1530974-001

TESTS	RESULT	UNIT	METHOD	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)							
Boron, B - Total	0.26	mg/L	EPA 200.7	0.01	2015-10-14	16:44:00	HF
Barium, Ba - Total	0.070	mg/L	EPA 200.7	0.002	2015-10-14	16:44:00	HF
Beryllium, Be - Total	<0.002	mg/L	EPA 200.8	0.002	2015-10-16	09:43:00	DI
Cadmium, Cd - Total	<0.001	mg/L	EPA 200.7	0.001	2015-10-14	16:44:00	HF
Calcium, Ca - Total	55.26	mg/L	EPA 200.7	0.03	2015-10-14	16:44:00	HF
Chromium, Cr - Total	0.004	mg/L	EPA 200.7	0.001	2015-10-14	16:44:00	HF
Cobalt, Co - Total	<0.004	mg/L	EPA 200.8	0.004	2015-10-16	09:43:00	DI
Copper, Cu - Total	<0.01	mg/L	EPA 200.7	0.01	2015-10-14	16:44:00	HF
Iron, Fe - Total	0.69	mg/L	EPA 200.7	0.05	2015-10-14	16:44:00	HF
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.03	2015-11-02	08:14:24	HF
Lead, Pb - Total	<0.01	mg/L	EPA 200.7	0.01	2015-10-14	16:44:00	HF
Magnesium, Mg - Total	45.74	mg/L	EPA 200.7	0.01	2015-10-14	16:44:00	HF
Manganese, Mn - Total	0.037	mg/L	EPA 200.7	0.002	2015-10-14	16:44:00	HF
Manganese, Mn - Dissolved	<0.002	mg/L	EPA 200.7	0.002	2015-11-02	08:14:24	HF
Molybdenum, Mo - Total	<0.005	mg/L	EPA 200.7	0.005	2015-10-14	16:44:00	HF
Nickel, Ni - Total	0.003	mg/L	EPA 200.7	0.001	2015-10-14	16:44:00	HF

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Analysis Report

November 09, 2015

WEST RIDGE RESOURCES INC
ACCOUNTS PAYABLE
46226 NATIONAL ROAD W
SAINT CLAIRSVILLE OH 43950

Client Sample ID:	WEST RIDGE	Sample ID By:	WEST RIDGE RESOURCES INC
Date Sampled:	Oct 12, 2015	Sample Taken At:	UPDES 002
Date Received:	Oct 12, 2015	Sample Taken By:	KM
Product Description:	WATER	Time Sampled:	0726
		Time Received:	1005
		Mine:	35
		Site:	21
		Field - pH:	8.4 pH Units
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Comments: Dissolved Metals Filtered at Lab; Sb, Be, Co, Tl, Br, Cyanide, Phenolics, and Sulfide Analyzed at A.W.A.L.; Chlorine Analyzed at Chem-Tech Ford

SGS Minerals Sample ID: 782-1530974-001

TESTS	RESULT	UNIT	METHOD	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)							
Potassium, K - Total	12.32	mg/L	EPA 200.7	0.14	2015-10-14	16:44:00	HF
Selenium, Se - Total	0.03	mg/L	EPA 200.7	0.02	2015-10-14	16:44:00	HF
Silver, Ag - Total	<0.002	mg/L	EPA 200.7	0.002	2015-10-28	13:35:00	HF
Sodium, Na - Total	307.42	mg/L	EPA 200.7	0.09	2015-10-14	16:44:00	HF
Thallium, Tl - Total	<0.002	mg/L	EPA 200.8	0.002	2015-10-16	09:43:00	DI
Zinc, Zn - Total	<0.004	mg/L	EPA 200.7	0.004	2015-10-14	16:44:00	HF

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