



Incorporated
1911

ORIGINAL SIXTEEN to ONE MINE, Inc.

"100 Years of Gold"

Post Office Box 909 • Alleghany, California 95910
(530) 287-3223 • www.origsix.com

February 2, 2017

Ms. Ayda Soltani, Project Manager
Compliance and Enforcement Section
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-6114

SUBJECT: QUARTERLY SELF-MONITORING REPORT SUBMITTAL FOR 4th quarter 2016;
for Original Sixteen to One Mine, Inc, NPDES PERMIT No. CA0081809, Sierra
County ORDER R5-2015-0002

Please be advised that we are having difficulty accessing and reporting on the CIWQS system.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designated to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

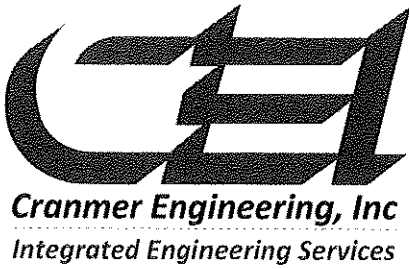
If you have any questions, please contact me at (530) 287-3223.

Sincerely,

Michael Miller
President

Water Test Results

R5-2015-0035								
Constituents	Results	MDLS	RLS	AMEL	MDEL	Units	Sample Type	Sampling Frequency
E-4 Effluent (21 Tunnel)								
Flow		0.15				MGD	Estimate	quarterly
DO		0.05 mg/L	0.05			mg/l	Grab	quarterly
EC @ 25 celcius		0.5 umhos/cm	0.5	1426	2867	umhos/cm	Grab	quarterly
Hardness (as CaCO3)			1			mg/L	Grab	quarterly
PH		0.1 PH Units	1			Ph Units	Grab	quarterly
Total Suspended solids		1 mg/L	1	20	30	mg/L	Grab	quarterly
Antimony Total		6 ug/L	6	35	50	ug/L	Grab	quarterly
Arsenic Total		2 ug/L	2	700	1000	ug/L	Grab	quarterly
Cadmium Total		1 ug/L	1	30	50	ug/L	Grab	quarterly
Copper Total		10 ug/L	10	10	15	ug/L	Grab	quarterly
Iron Total		100 ug/L	100	2100	2500	ug/L	Grab	quarterly
Lead Total		2 ug/l	2	5	15	ug/L	Grab	quarterly
Manganese Total		10 ug/L	10	150	200	ug/L	Grab	quarterly
Nickel, Total		10 ug/L	10	150	200	ug/L	Grab	quarterly
Priority Pollutants						mg/l	Grab	2017 biannual
Chronic Toxicity								Once per permit cycle
RSW-001 (100 feet upstream)								
Flow	1.00					MGD	Estimate	quarterly
PH	6.2	0.1 PH Units	1			PH Units	Grab	quarterly
temperature F.	45						Grab	quarterly
DO	10.8	0.05 mg/L	0.05			mg/l	Grab	quarterly
EC @ 25 celcius	46	0.5 umhos/cm	0.5			umhos/cm	Grab	quarterly
Hardness (as CaCO3)	19		1			mg/l	Grab	quarterly
Turbidity	1.4	1 mg/L	0.1			NTU	Grab	quarterly
Arsenic Total	5.16	2 ug/L	2	700	1000	ug/l	Grab	quarterly
priority pollutants						mg/l	Grab	2017 biannual
RSW-002 (300 feet downstream)								
Flow	1.00					MGD	Estimate	quarterly
PH	6.1	0.1 PH Units	1			PH Units	Grab	quarterly
temperature F.	45						Grab	quarterly
DO	10.9	0.05 mg/L	0.05			mg/l	Grab	quarterly
EC @ 25 celcius	46.4	0.5 umhos/cm	0.5			umhos/cm	Grab	quarterly
Hardness (as CaCO3)	19		1			mg/l	Grab	quarterly
Turbidity	2.7	1 mg/L	0.1			NTU	Grab	quarterly
Arsenic Total	5.1	2 ug/L	2	700	1000	ug/l	Grab	quarterly
priority pollutants						mg/l	Grab	2017 biannual
OBSERVATIONS	CREEK EXTREMELY HIGH							



Chemical Report

Original Sixteen To One Mine, Inc.
 PO BOX 909
 Alleghany CA 95910

Job Number: 6163558
Date Reported: 01/06/17
Date / Time Received: 12/13/16 16:47
System Number:

Sample Number: 6163558 - 1

Sample Site: RSW-001 (Up)
Date / Time Collected: 12/13/16 13:00

Sample Collected By: MM

Parameter	Analysis Result	Reporting Units	Analytical Method	Date of Analysis	Analyst Initials	Reporting Limit
Total Recoverable Arsenic	5.16	µg/L	EPA 200.9	12/27/2016	JS	2
Calcium	4.2	mg/L	EPA 200.7	12/23/2016	AWH	0.2
Dissolved Oxygen	10.8	mg/L	EPA 360.2	12/13/2016	JS	0.05
Total Recoverable Hardness as CaCO ₃	19	mg/L	EPA 200.7	12/23/2016		1
Magnesium	2.1	mg/L	EPA 200.7	12/23/2016	AWH	0.1
pH	6.2	pH Units	SM 4500-H+ B	12/13/2016	MH	0.1
Specific Conductivity	46.0	µmhos/cm, 25°C	SM 2510 B	12/13/2016	AWH	0.5
Turbidity	1.4	NTU	SM 2130 B	12/14/2016	SB	0.1

Sample Number: 6163558 - 2

Sample Site: RSW 002-Down
Date / Time Collected: 12/13/16 13:00

Sample Collected By: MM

Parameter	Analysis Result	Reporting Units	Analytical Method	Date of Analysis	Analyst Initials	Reporting Limit
Total Recoverable Arsenic	5.10	µg/L	EPA 200.9	12/27/2016	JS	2

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Sample Number: 6163558 - 2

Sample Site: RSW 002-Down

Date / Time Collected: 12/13/16 13:00

Sample Collected By: MM

Parameter	Analysis Result	Reporting Units	Analytical Method	Date of Analysis	Analyst Initials	Reporting Limit
Calcium	4.2	mg/L	EPA 200.7	12/23/2016	AWH	0.2
Dissolved Oxygen	10.9	mg/L	EPA 360.2	12/13/2016	JS	0.05
Total Recoverable Hardness as CaCO ₃	19	mg/L	EPA 200.7	12/23/2016		1
Magnesium	2.1	mg/L	EPA 200.7	12/23/2016	AWH	0.1
pH	6.1	pH Units	SM 4500-H+ B	12/13/2016	MH	0.1
Specific Conductivity	46.4	µmhos/cm, 25°C	SM 2510 B	12/13/2016	AWH	0.5
Turbidity	2.7	NTU	SM 2130 B	12/14/2016	SB	0.1

Sample Number: 6163558 - 3

Sample Site: Effluent

Date / Time Collected: 12/13/16 13:00

Sample Collected By: MM

Parameter	Analysis Result	Reporting Units	Analytical Method	Date of Analysis	Analyst Initials	Reporting Limit
Total Recoverable Antimony	19.14	µg/L	EPA 200.9	1/4/2017	JS	6
Total Recoverable Arsenic	201.6	µg/L	EPA 200.9	12/29/2016	JS	2
Cadmium	ND	ug/L	EPA 200.8	12/16/2016	AWH	0.5
Calcium	40.0	mg/L	EPA 200.7	12/23/2016	AWH	0.2
Copper	115.9	ug/L	EPA 200.8	12/16/2016	AWH	0.5
Dissolved Oxygen	10.4	mg/L	EPA 360.2	12/13/2016	JS	0.05
Total Recoverable Hardness as CaCO ₃	191	mg/L	EPA 200.7	12/23/2016		1
Total Recoverable Iron	717.7	µg/L	EPA 200.7	12/28/2016	JS	100
Lead	1.55	ug/L	EPA 200.8	12/16/2016	AWH	0.5
Magnesium	22.3	mg/L	EPA 200.7	12/23/2016	AWH	0.1

Note: "ND" means "none detected" (ie, none was found in the sample at or above the reporting limit).

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Sample Number: 6163558 - 3

Sample Site: Effluent

Date / Time Collected: 12/13/16 13:00

Sample Collected By: MM

Parameter	Analysis Result	Reporting Units	Analytical Method	Date of Analysis	Analyst Initials	Reporting Limit
Total Recoverable Manganese	20.93	µg/L	EPA 200.7	12/23/2016	AWH	10
Total Recoverable Nickel	66.99	µg/L	EPA 200.7	12/23/2016	AWH	10
pH	7.1	pH Units	SM 4500-H+ B	12/13/2016	MH	0.1
Specific Conductivity	378	µmhos/cm, 25°C	SM 2510 B	12/13/2016	AWH	0.5
Total Suspended Solids	14	mg/L	SM 2540 D	12/19/2016	HAS	1
Turbidity	18	NTU	SM 2130 B	12/14/2016	SB	0.1



Andrew Hamilton

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