NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

RECEIVED JAN 16 2015 U.S. EPA REGION 10 OFFICE OF COMPLIANCE AND ENFORCEMENT

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: ATLANTA GOLD CORPORATION
ADDRESS: 2417 BANK DRIVE, SUITE 101
BOISE, ID 83705
FACILITY: ATLANTA GOLD PROJECT
LOCATION: 1.5 MILES SOUTH OF ATLANTA
ATLANTA, ID 83601

ATTN: WM. ERNEST SIMMONS, PRESIDENT

IDG910006	001-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	12/01/2014	TO	12/31/2014

DMR Mailing ZIP CODE: 83705
MINOR
(SUBR 02)
DISCHARGE FROM 900 LEVEL ADIT TO MONT
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******	6.6	deg C		weekly	grab
00010 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	19 DAILY MX	deg C		Weekly	GRAB
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******	4.2	deg C		monthly	grab
00010 5 0 Upstream Monitoring	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Monthly	GRAB
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******	3.7	deg C		monthly	grab
00010 6 0 Downstream Monitoring	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Monthly	GRAB
pH	SAMPLE MEASUREMENT	******	******	******	7.7	******	7.8	SU		weekly	grab
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6.5 INST MIN	******	9 INST MAX	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	******	4	mg/L		weekly	grab
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	30 DAILY MX	mg/L		Weekly	GRAB
Arsenic, total recoverable	SAMPLE MEASUREMENT	******	******	******	******	******	32	ug/L	1	weekly	grab
00978 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	10 DAILY MX	ug/L		Weekly	GRAB
Arsenic, total recoverable	SAMPLE MEASUREMENT	******	******	******	******	******	45	ug/L		monthly	grab
00978 5 0 Upstream Monitoring	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE
Wm. Ernest Simmons, President	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed 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.	208-424-3343		01/06/15
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) (see attached)

A MAXIMUM TEMPERATURE LIMIT OF 9 DEGREE C APPLIES TO THE DISCHARGE DURING PERIODS OF SALMONID SPAWNING

ICT 1/29/15R

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OFFICE OF COMPLIANCE AND ENFORCEMENT

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Arsenic, total recoverable	SAMPLE MEASUREMENT	******	******	******	******	******	42	ug/L		monthly	grab
00978 6 0 Downstream Monitoring	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	******	******	******	******	******	200	ug/L		weekly	grab
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	1000 DAILY MX	ug/L		Weekly	GRAB
Flow	SAMPLE MEASUREMENT	40709	40752	gal/d	******	******	******	******		continuous	record
74076 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RECORD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Wm. Ernest Simmons, Pres	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed 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.	Eric L. Burton	208-424-3343		01/06/15
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) (see attached)

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NONCOMPLIANCE REPORT
Attachment to Atlanta Gold Corporation's Discharge Monitoring Reports

May 2014 – Two events in May affected sample results: 1) high spring runoff and 2) an uncontrolled release in water flow caused by a ground collapse in the cross-cut behind the bulkhead. This resulted in water cresting the bulkhead and flushing sediment from the floor of the crosscut and carrying it downstream though the pre-pond solids filters, to the containment ponds (this could be seen as an 8-12 inch orange ring above the normal water line.)

From the containment ponds the water pushed over and through the filters in the water treatment facility, depositing silt throughout. The silt restricted flow through most of the filters in the system. Large scale cleaning of the water treatment facility is in progress.

The influent flow to the water treatment facility on May 1, 2014 was 73.8 gallons per minute ("gpm") and by May 13, 2014 had risen to 121.3 gpm. On May 14th, the flow surged to 462.9 gpm and flow spiked to 1048.2 gpm on May 17th.

Best management practices are being used to address the issues. Portions of the water treatment facility have been taken off line for cleaning, rebuilding and maintenance.

June 2014 – The continued high spring runoff and additional rock collapse on June 10th behind the bulkhead inside the 900 Level Adit created substantial increases in the arsenic and iron levels in the Adit Effluent. Due to the ongoing cleaning, rebuilding and maintenance of the water treatment facility, the arsenic level dropped back into compliance mid-month.

July 2014 – The July samples ranged from <5 to 17 ug/L for arsenic and <50 to 550 ug/L for iron. Both ponds were cleaned out during the month and filter materials were replaced in Tank #3 & Tank #4.

November 2014 – The November water sample results confirm that a change is required to the filter system to achieve maximum recovery of arsenic and iron. Additional filter media was added to tank #6 which reduced effluent arsenic and iron levels. Back up filter cells were put on line and those cells that came off line are being cleaned and undergoing unscheduled maintenance. The Pilot Water Treatment Facility will continue to meet the designed recovery of both arsenic and iron.

A discrepancy between the influent volume to the Pilot Water Treatment Facility (the "facility") and the effluent volume from the facility has been noted. These measurements are taken weekly at parshall flumes located at the influent to the sedimentation ponds and at the effluent from the facility. Volumetric testing of the influent and effluent confirmed that there are no leaks from the facility. The flumes will be recalibrated accordingly. Confirmation and recalibration will be confirmed by a professional service.

December 2014 – Volumetric measurements noted in November were confirmed by the U.S. Forest Service (see the attached report dated December 16, 2014). The December sampling results at the 1st of the month were 32 ug/L for arsenic and 200 ug/L for iron. After the maintenance and adjustments to the facility were completed, the following four weeks of sampling reduced the arsenic down to 10 ug/L and then 6 ug/L and finally 5 ug/L at the end of the month; iron likewise was reduced from 190 ug/L down to 120 ug/L and then to 50 ug/L at the end of the month.

Atlanta Gold PWTF Inspection Report by U.S. Forest Service

FOREST: BOISE	DISTRICT: IDAHO CITY	DATE OF INSPECTIONS: 12/16/2014
MINE/OPERATION: Atlanta Gold POO	LOCATION: T5N R11E S2	WEATHER: Partly Cloudy, Cold
Forest Officer: Chad Hood	Company Rep: Eric Berentsen	

	SATISFACTORY	UNSATISFACTORY
1. Mining/Exploration in accordance with operating plan or NOI	N/A	
2. Timber removal in accordance with operating plan	N/A	
3. BMPs for erosion control	S	
4. Stream Protection	S	
5. Public Safety & Fire Prevention	S	
6. Reclamation work adequate and Timely	S	
7. Roads maintenance is adequate and current	S	
10. Company supervision of Operation	S	
11. Operating in a clean and orderly Manner	S	

N/C - Not Checked	N/A - Not Applicable	U/S - Unsatisfactory	S - Satisfactory

- Any conditions noted as UNSATISFACTORY will require follow up action by the Minerals Administrator and a written memorandum to the operator, outlining the necessary work.

REMARKS:

On 12/16/2014 Eric Berentsen (AGC) accompanied Chad Hood (USFS), Jeff Gabardi (USFS), and Brian Anderson (USFS) on a site inspection of the 900 Level Pilot Water Treatment Plant. The main objectives were routine site compliance with the operating plan, USFS water sampling, and to troubleshoot potential inaccuracies with the water flow reading from the Parshall flume at the outflow of the plant.

In general the site was in compliance with basic stormwater and erosion control measures. The ground was frozen with some snow cover. AGC was changing media filter on one of the lower cells at the time of the inspection.

In the week prior to the inspection, AGC contacted USFS concerning flow readings at the PWTP. The flow rates leaving the 900 level adit were not the same as the flow rates going into Montezuma Creek. The initial concern was there could be leak in system causing the discrepancy. USFS advised AGC to do manual flow rate tests. The flow coming in was roughly the same going out. It appeared there was a problem with the Parshall flume used to measure the flows. It is possible that as the ground settled, the flume shifted and no longer gave the proper reading which is known to be a common problem. During the inspection, USFS tested the flow rates coming in and going out of the PWTP and confirmed that the flow rates (roughly 45-60 gpm) were the same.

ACTION ITEMS:

- When ground conditions permit (unfrozen), AGC should reinstall the Parshall flume at the outflow. AGC should consult with the USFS hydrologist for recommended procedure to ensure long term success.
- Until the flow readings match, AGC should periodically (once every two weeks) test the flow rates using manual techniques. The USFS should be notified if the two reading don't match.