

LICENSEE EVENT REPORT EVALUATION FORM

EVENT CLASS: EQP - EQUIPMENT PROBLEMS

LICENSEE / REPORTING PARTY INFORMATION:

Licensee/Reporting party name:	Fairbanks Gold Mining Inc.		
License number :	50-29098-01		
Docket number :	030-34080		
Licensee's City of record :	Fairbanks		
Licensees State of record :	Alaska		
NRC regulated?	yes	If so, what Region?	IV
Working under reciprocity?	No		

EVENT INFORMATION:

In what City and State did the event occur?	Fairbanks, AK
Event date :	10/19/2011
Discovery date :	10/19/2011
Report date :	10/19/2011
Agreement State reportable?	No
NRC reportable?	Yes
Reporting regulation :	10 CFR 30.50(b)(ii)
NMED Item Number :	N/A

ADDITIONAL PARTIES INVOLVED:

Name :	N/A
License number :	
City :	
State :	

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CONSULTANT INFORMATION (if any):

Consultant name :	N/A
Company :	
Who hired consultant?	

DEVICE INFORMATION:

Manufacturer :	Ronan Engineering Company
Model number :	SA1-C5
Serial number :	0606GK

RADIATION SOURCE INFORMATION:

Isotope :	Cs-137	
Activity :	1000 mCi	
Manufacturer :	unknown	
Model number :	unknown	
Serial number :	unknown	

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NARRATIVE EVENT DESCRIPTION:

Licensee discovered a fixed density gauge for the # 2 Cyclo-Pac Area of its Fort Knox Mine had its shutter stuck open. On contact readings were taken by the licensee and determined to be less than 5 mrem/hr. The licensee indicated that the stuck shutter does not present a radiation hazard for personnel.

CORRECTIVE ACTIONS:

Licensee contacted Ronan Engineering (gauge manufacturer) on October 20th and requested quote to repair/service the gauge. Ronan Engineering Field representative travelled to site on 11/8/11 and deinstalled, cleaned, repaired, field tested and reinstalled the gauge. Ronan field representative checked operability of all gauges onsite 11/9/11 and found all others "working well".

RECOMMENDED FOLLOWUP:

Was a reactive inspection conducted?	No	If so, inspection report number :	N/A
Is LER recommended for closure?	Yes		
Is this NMED Item Number recommended to reflect "complete"?	no / yes		

LER Evaluator: Name: <u>Matt Park</u> Date: <u>2/8/12</u>	Branch Chief or Designee Review: Name: <u>[Signature]</u> Date: <u>2/9/2012</u>
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Poston-Brown, Martha

From: Jeff L. Martin [jeff.l.martin@kinross.com]
Sent: Tuesday, February 07, 2012 4:50 PM
To: Poston-Brown, Martha
Cc: Jeff L. Martin
Subject: Stuck Shutter event #43756
Attachments: Shutterrepairwork log.pdf; Fairbanks Gold_Repair Shutter_Quote_805819_10-20-2011.pdf; Cover shutter event 47356.docx; Unit Serial 0607GK notification.docx

Martha,

Please find the attached data concerning the Event #47356 for FGMI, Fairbanks, Alaska.

If any further data is required please let me know.

Thank You,

Jeff

Jeffrey L. Martin
E&I Supervisor Mill Maintenance
Kinross Gold Company
Fort Knox Minesite
Fairbanks, Alaska
Office (907) 490-6183
Cell (907) 590-5665

« The quality of a person's life is in direct proportion to their commitment to excellence, regardless of their chosen field of endeavor. »



Fairbanks Gold Mining, Inc.
A Wholly Owned Subsidiary of Kinross Gold Corporation



#1 Fort Knox Road, Fairbanks, Alaska 99712
Mailing: P.O. Box 73726, Fairbanks, Alaska 99707-3726
Phone: (907) 488-4653 Fax: (907) 490-2290

Dear Sirs,

Please find the below report concerning FGMI EVENT #47356.

Location FGMI mine site, Fairbanks, Alaska. Event: a stuck shutter on the source for #2 Cyclone Feed Density.

Nameplate data:

MODEL: SA1-C5

S.O: AK-8009A

ISOTOPE: CS-137

STRENGTH: 1000 mCi

S/N: 0606GK

DATE: 10/94

Action items taken:

NRC Action Report called in to NRC – 10-19-2011

Quote requested and received for repair by Ronan – 10/20/2011

Ronan work log and shutter repair completion date - 11/7/2011

Report completion submittal date -2/7/2012

The shutter for the above nuclear device is in proper working order. All required inspection data had been completed. Attached are the call event, Ronan quote, Ronan travel and repair log.

Event #47356 has been completed for repair.

Jeffrey L. Martin
E&I Supervisor Mill Maintenance
Kinross Gold Company
Fort Knox Minesite
Fairbanks, Alaska
Office (907) 490-6183



RONAN

Measurements Division

RONAN ENGINEERING FIELD SERVICE REPORT

CUSTOMER: Fairbanks Gold Mining, Inc.
A division of Kinross Gold Corp.
Fort Knox Mine
#1 Fort Knox Road
Fairbanks, Alaska 99712

CONTACTS: Jeff Martin (E & I Supervisor)
jeff.l.martin@kinross.com
W) (907) 490-6183
C) (907) 590-5665
Philip Long (E & I Tech)(RSO)

PO#: 26132-02

DATE: 11/08/2011

SO#: AK-8009

FS ENG: Michael Miller
W) 859-342-8500 x211
F) 859-342-6426
mmiller@ronanmeasure.com

Purpose

To repair a shutter in South Cyclone #2 S/N (0606GK) and replace a handle on a source in storage S/N(EE-797) and to test 15 remaining shutters

Travel Log

Monday 11/07/2011

4:45 PM – 12:15 AM AST (4:15 AM Eastern Standard Time)(11.5 Hrs Travel)

Flew from Cincinnati Northern Kentucky International Airport (CVG) to Seattle International Airport (SEA) to Fairbanks International Airport (FAI). Drove to the "Comfort Inn" in Fairbanks, AK.

Driving Directions

Tuesday 11/08/2011

From (FAI) to the Confort Inn in Fairbanks, AK: From the Hertz Rental Car parking lot Head northwest on Airport Way/Old Airport Rd toward Rd N Slight right onto Rd N Continue onto Airport Way Turn left onto Peger Rd Take the 2nd right onto Phillips Field Rd Take the 1st right onto Chena Landings Loop Rd

From Confort Inn to Fort Knox Mine: Head west on Chena Landings Loop Rd toward Phillips Field Rd Turn left onto Phillips Field Rd Take the 1st right onto Peger Rd Take the Johansen Expressway E ramp Merge onto Johansen Expy Turn left onto AK-2 W Steese HWY (RT-2) north. Follow until Steese HWY turns right and becomes (RT-6). Stay on (RT-6) (Steese HWY) to Twin Creek Road. Follow Twin Creek Road to the Fort Knox plant. (45 minute drive)

Action Taken or Discussion

Tuesday 11/08/2011



RONAN

Measurements Division

8:00 AM AST – 5:30 PM AST (8.0 Hrs Labor)

- Arrived at Fort Knox Gold Mine at 8:00 AM AST.
- The PPE (Personal Protection Equipment) required at the plant is a “Hard Hat”, “Safety Glasses with side shields”, “Steel tipped shoes”, “Hearing Protection”
- I met with Philip Long at the security office and he escorted me into the plant.
- There we met with Jeff Martin to discuss what he wanted me to do on my visit.
- We agreed the first thing to do would be the shutter repair then we would replace the handle for the source in storage and finish with checking the remainder of shutters for proper operation.
- The first job to do was the shutter repair in the #2 South Cyclone S/N (0606GK).
- The SA1-C5 source was mounted and would need to be supported by a Hoist Chain so it could be lowered to disassemble the shutter and make the repair.
- The first order of business was to cordon off a safety area labeled radiation hazard area
- Once we had the area secured and the source setup with I-bolts and connected to the Hoist Chain we lowered it down to the floor.
- As we were on the highest platform in the building to control the radiation I then aimed source in a safe direction and began dismantling the source.
- The shutter was coated with residue and it was obvious that was what was needed to be cleaned.
- After cleaning the shutter tested and operated great so I reinstalled and remounted the source.
- Philip and I then cleared all the hazard tape.
- We then went to where the source that was in storage S/N (EE-797) and replaced the handle. The new handle had already been ordered and we just needed to drill out for the pin.
- This finished up the work for the day.

Action Taken or Discussion

Wednesday 11/09/2011

8:00 AM AST – 12:00 PM AST (4.0 Hrs Labor)

- I met with Philip Long at the security office and he escorted me into the plant.
- We then went down the list that Philip had and checked all the remaining shutters for proper operation. All shutters worked well.
- Once this was complete then we went back to Jeff Martins office and relayed the information about the worked preformed.
- Jeff was satisfied with all the results and signed my paperwork and I departed the plant at 12:00 PM AST.

Follow-up Action Required

- None

Customer Signature: X _____

Title: X _____