

10.001  
**COPY**

### Spill/Release Report

Tracking Number	Name	G. Reed/MEC	Date	11/28/2010
Time Started	Unknown	Time Stopped	Pumps off 0915	Signature
				<i>GAR7W Reed</i>

Wind Direction: *247.8* deg Wind Speed: *8.83* mph Temperature: *38* F

Who was notified? (Check all that apply)

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Safety/Security Technician | <input type="checkbox"/> Shift Foreman        | <input type="checkbox"/> HS Supervisor |
| <input type="checkbox"/> EC/RSO                                | <input type="checkbox"/> General Mill Foreman | <input type="checkbox"/> Mill Manager  |
| <input checked="" type="checkbox"/> ARSO                       | <input type="checkbox"/> Mill Superintendent  | <input type="checkbox"/> Fire/Sheriff  |
| <input type="checkbox"/> Other Specify Who:                    |   |  |

IF APPLICABLE (Attach extra sheets as necessary)

Material Spilled:

Appears to be water pumpback line leak from SCS/Cotter well 1 #333

Amount Spilled Unknown but >500 gal (gallons, pounds, etc.)

Estimated Flow: (ft/sec., gpm, etc)

RWP Number HMWP Number

Location of Spill: *(Please provide written explanation and mark on the attached map where the location of spill can be found.)*

Along pumpback line south of chain link gate towards SCS

How did spill occur:

Appears to be leak in underground water pumpback line, ground surface in muddy with some water flow.

Action Taken to Remediate/Cleanup:

SCS pumps and Cotter 1 well pump turned off 11-28-10 at about 0915

Location of spill disposal:

N/A Water sample collected from pooled solution on ground, Temp. 11.5 C, pH 7.94, Cond. 4.06 ms/cm

Personnel Involved in Spill:

None

Personnel exposed or Injured:

None

PPE Used:

Std PPE

How could this be prevented?:

Unknown at this time.

*Notified PFGidi at 0905 by phone  
11/29/10*

date x2  
2 hrs  
of pump:

5 Recorded  
@ 4-1  
Pump #2  
Perimeter  
YARDS +  
ON SITE

5 ARE  
- ALARMS  
- TIONS  
-  
- GUARD  
- OS  
- YC  
- P  
- W  
- YARDS  
- FOR

1: OK. Call  
of Barrier  
@ 10:10  
P: 1 sec.  
As, OK. part  
eye wash m.o.  
the storage  
4:11. CO<sub>2</sub> fu

(cont.) elect. storage, sulfation + zinc product: open  
cont. plant, grind + leach, crusher, lower fine  
ore bins, iron + van. product buildings are locked  
dam + swap cell inspection complete. x2. perimeter  
fence checked with all on site air samplers  
open. building + radiation safety checks complete x2  
continued weekend cleaning duties. monitored torpedos  
heaters in maint. shop. checked first aid  
cabinets. no hazards or dusting. avg. WS: 3.293 MPH,  
WD: 226.5°, temp: 41.99°F @ 0407 MST. 0" precip.

11-28-10 ALL ROUNDS ARE COMPLETED + ALL FLOWS + PUMP  
FLOW READINGS ARE RECORDED. ALL DOWNSLOPE PUMPS  
ARE AT 4-2. SCS BARRIER 12' 1-2-3 sec. COTTER #1  
@ 4-1. #3 POND #2. 5/2 + 1/2 STAND LINES ARE @ 4-2.  
RAW WATER VALVE IS OFF + ALARM IS ON. FENCE + PERIMETER,  
RXR GATE, DAM INSPECTION, BOWE YARDS + POUNDS ARE  
ALL SECURE. ALL BUILDING INSPECTIONS WERE GOOD.  
CHEMICAL CONTAINMENT AREAS ARE ALL SECURE. LIM +  
AGITATOR IS RUNNING. SUMP PUMPS + EYE WASH STATIONS  
ARE WORKING. SX CO2 IS ON MANUAL + OPERATING. BATH  
HEATERS IN MAINT ARE WORKING. ALL WATERS DUTIES  
ARE COMPLETED + #1 SUB STATION INSPECTION COMPLETED.  
CAT PLANT, RECORDS, RAD SAFETY, MOXY, GRD, CRUSHER,  
FAB. + YC STORAGE ARE ALL LOCKED + NO CALL FROM ADT.  
DUE TO BREAK IN PUMP BACK LINE COTTER #1 + SCS BARRIER  
BOTH ARE OFF. THE BREAK IS ON THE SOUTH SIDE OF SCS  
BARRIER GATES + 50 FT TO THE WEST. THERE IS A SPILL  
REPORT + PICTURES. MARK CURRENT NOTIFIED M = AT 09:10 +  
I TURNED OFF THE PUMP AT 09:15 + I CALLED + LET  
CHAIK KNOW ABOUT THE LEAK. HE TOLD ME I WOULD  
HAVE A LOT OF HEAD PRESSURE + WATER COMING BACK.  
LIM + AGITATOR IS RUNNING. ALL











## Jim Cain

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**From:** Craig Simpson  
**Sent:** Tuesday, November 30, 2010 2:24 PM  
**To:** Jim Cain  
**Cc:** Phil Krauth  
**Subject:** SCS line repairs

The cause of the leak in the SCS pump back line was a cracked PVC flange. Most likely from the cold weather. The lid for the valve pit had blown off the pit and let the cold air in the pit. The lid will be secured so this will not happen in the future. From the ground saturation it looks like it has been leaking for sometime.

Craig Simpson  
Maintenance Forman

Sample Analysis Date	Sample Description	Numeric Results	Factor Pre Dilutn Volume	Factor Dilutn Volume	Pre Dilutn Volume	Result Final Result	Units	Sample Lifetime	Factor ug/l to mg/l	Flag	Result Final Result	Units
1-Dec-10	Line Leak	9.429	0.50	100.00	200	1885.770	µg/l	233.4159	0.001		1.8858	mg/L

Annual Sealed Source Inventory

Date	Source Serial#	Source Tag #	Activity Cs-137	Location
2/4/2011	B-2557	DE-3401	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2574	DE-3413	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2569	DE-3302	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2572	DE-2434	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2561	DE-3301	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2573	DE-2432	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2563	DE-3402	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2564	DE-3403	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2565	DE-3404	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2566	DE-3405	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2567	DE-3406	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2568	DE-3407	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2562	DE-3408	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2558	DE-3409	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2559	DE-3410	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-262	LX-2520	24mCi	In Storage at locked BBL Storage Building
2/4/2011	B-263	LX-2517	24mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2570	DE-3412	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2571	DE-3415	96mCi	In Storage at locked BBL Storage Building
2/4/2011	B-2560	DE-3414	96mCi	In Storage at locked BBL Storage Building
2/4/2011	SN-1067	N/A	0.24mCi	In Storage at locked BBL Storage Building
2/4/2011	SN-1068	N/A	0.24mCi	In Storage at locked BBL Storage Building

Performed by Technician(s) \_\_\_\_\_ Date: February 4, 2011

Note: All sources are in the closed "not in use" position, locked and secured. Gauge shutter mechanism checks were not conducted. Per RPP, RH-160 rev.3, shutter checks are required every six months for gauges considered "in use". The Maintenance Foreman was notified that shutter checks will be required if and when a specific gauge is placed back "in use".