#### RE: Glycol Spill at Dam 2 Gallons April 4/11

Kurylo, John

Sent: Monday, April 18, 2011 12:27 PM

To: Mark Valeriote [markv@jdsmining.ca]; Bay, Hope

Cc: Jaramillo, John [jjaramillo@eba.ca]; Miskolczi, Iozsef; Rykaart, Maritz; Jerry Graham [jerryg@jdsmining.ca]; Renata Klassen [rklassen@eba.ca]

Attachments: 2011 Preliminary Report -~1.xlsx (996 KB)

Hi Mark,

Please find attached the completed 'preliminary report' for the small propylene glycol spill that occurred in the key trench on April 4<sup>th</sup>,

Regards,

John

jkurylo@srk.com

Staff Consultant, EIT

SRK Consulting (Canada) Inc.

Suite 2200, 1066 West Hastings Street

Vancouver, V6E 3X2, Canada

Tel: +1-604-681-4196; Fax: +1-604-687-5532

Direct: +1-604-628-2570

From: Mark Valeriote [mailto:markv@jdsmining.ca]

Sent: Monday, April 18, 2011 7:14 AM

To: Kurylo, John; Bay, Hope

Cc: 'Jaramillo, John'; Miskolczi, Tozsef; Rykaart, Maritz; 'Jerry Graham'

Subject: FW: Glycol Spill at Dam 2 Gallons April 4/11

John,

Please see that the attached "preliminary report" is completed and returned to me.

I would suggest that you have the individuals involved prepare the report.

This report should be completed and returned as soon as possible as the incident occurred on April 4<sup>th</sup>.

Mark Valeriote Construction Manager JDS Energy & Mining Inc.

markv@jdsmining.ca

www.jdsmining.caCell (250) 801-7873

Melowna Office (250) 763-6369

Relowna Fax (250) 763-6302

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From: Jill Turk [mailto:Jill.Turk@Newmont.com]

Sent: Monday, April 18, 2011 7:09 AM

To: Mark Valeriote

Cc: Calvin G; Jerry Graham

Subject: RE: Glycol Spill at Dam 2 Gallons April 4/11

Hi Mark;

This is the standard HSLP Incident Investigation in use at present.

Thank you for the MSDS sheet. This material is not classified as a poison with a 5L 24-hour regulatory reporting threshold. Thanks,



Jill Turk

**Environmental Coordinator** 

**T** 604.759.4714

Hope Bay Mining Ltd. #300 – 889 Harbourside Drive North Vancouver, BC V7P 3S1 www.newmont.com

From: Mark Valeriote [mailto:markv@jdsmining.ca]

Sent: Monday, April 18, 2011 6:15 AM

To: Jill Turk

Cc: 'Calvin G'; 'Jerry Graham'

Subject: RE: Glycol Spill at Dam 2 Gallons April 4/11

Jill,

Please send me the appropriate form and I will see that the spill is properly recorded and reported.

The spill was propylene glycol and not ethylene glycol. The propylene glycol was spilled within the key trench of the dam.

#### Canada - WHMIS

This product has a WHMIS classification of Not controlled..

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

This area has since been covered with another lift of frozen core material.

Mark



Photo 5: The surface of the frozen material in the area of the glycol spill was scraped up with the teeth of the excavator. The material was placed in buckets to be taken to the Waste management Facility for proper disposal.

From: Jerry Graham [mailto:jerryg@jdsmining.ca]

Sent: Sunday, April 17, 2011 11:15 AM To: Jill Turk; Keith@kblenvironmental.com

Cc: Calvin G; Mark Valeriote

Subject: Re: Glycol Spill at Dam 2 Gallons April 4/11

This is the first I've heard about it Jill. We'll collect the information and do a report right away.

Jerry

Jerry Graham
JDS Energy & Mining Inc.

jerryg@jdsmining.ca

#### www.jdsmining.ca

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From: Jill Turk

Sent: Sunday, April 17, 2011 8:57 AM

To: <u>Jerry Graham</u>; <u>Keith@kblenvironmental.com</u> **Subject**: Glycol Spill at Dam 2 Gallons April 4/11

Good Morning Jerry;

I can see a note in the SRK Daily that this spill was reported to JDS. Do you know if an PAI was developed and where this might be?

Keith, I know you were off, but is there any record of receiving this glycol-contaminated snow at Waste Management?

Thanks,



Jill Turk Environmental Coordinator

**T** 604.759.4714

Hope Bay Mining Ltd. #300 – 889 Harbourside Drive North Vancouver, BC V7P 3S1 www.newmont.com

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# **NEWMONT NORTH AMERICA**

HEALTH, SAFETY, LOSS PREVENTION (HSLP)

LP-F-09.01-02 (Revised: 05/10/06)

## **Preliminary Accident / Incident Report (for small spill)**

Date  ### JAY 11    Time	Event Type Incident	Risk Assessment  Potential Conseque Insignificant Occurrence Likeliho Risk Score  Risk Score  Document Low		
Time  11:30 PM Actual Location  Name of Person Involved  Renata Klassen Guanfu Liu  Days into Retailon  Renata Klassen Guanfu Liu  Days into Retailon  Renata Klassen Guanfu Liu  Days into Retailon  Z/13  Engineering  Xiphin Into Retailon  Z/13  Days into Retailon  Z/13  Engineering  Xiphin Into Retailon				
Actual Location  Name of Person Involved  Renata Klassen Guanfu Liu  Date Arrived on Site March 14/11 March 23/11 Date into Rotation  27/13  Doug Fielding  EBA, A Tetra Tech Company  Construction  Construction  Operating Site  Department  OTHER - type in department to the right  Engineering  Brief Description of the Event  Origination of the Loss/Harm  Equipment Involved (if applicable) Include Equipment and the staglate. The lid popped open and not more than 2-3 gallons of propylene glycol spilled onto the surface to be cored.  No body parts involved  Injury Classification (if applicable) Include Equipment and box of a pick up truck. The propylene glycol was to be used as a lubricant for a portable coring rig. The tallgate was slippery and the bucket slid of the tallgate. The lid popped open and not more than 2-3 gallons of propylene glycol spilled onto the surface to be cored.  No body parts involved  Injury Classification (if applicable) Include Equipment a line box next to drop down and surface to be cored.  No Injury  Yeek injury Classification (Click Here)  Probable Immediate Causes  Other act not cassified Sippery tallgate  Charge  Charge  Charge  Charge  Charge  Injury Classification (if applicable) in bucket. The glycol-continuated srow was later surped off the surface and soft in soft up following the glycul instruction of a proposed only in a bucket with impropose riting file.  The soon was accomed with Claim snow and additional snow was aft to soft up following the glycul continuated snaw was later surped off the surface and your continuation stage and and additional snow was later surped of the surface and your continuation stage and any open surface and are without some stage and and additional snow was later surped of the surface and one whose some stage and any open surface and are some was all to stage and and additional snow was later surped of the surface and one whose some stage and some surface and are some whose some stage and any open surface and are some was all to surface and and some w	Date	4/4/11		
Renata (Sassen Guarfu Llu Date Arrived on Site March 14/11 March 22/13  Immediate Supervisor  Contractor (# applicable)  EBA, A Tetra Tech Company  EBA, A Tetra Tech Company  Construction  Operating Site  Department  OTHER - type in department to the right Engineering  Relighering by the standard of the Loss/ Harm  Brief Description of the Event  Description of the Loss/ Harm  Equipment Involved (# applicable) Include Equipment 2 in box next to drop down  Injury Classification (# applicable)  Probable Immediate Causes  Other act not classified  Signey taligate  Change  Change  Change  Change  Date Arrived on Site March 14/11 March 24/11 Days into Rotation 22/13  Date Industry 14/11 Days into Rotation 22/13  Days into Rotation 24/11  Days in	Time	11:30 PM		
Immediate Supervisor  Contractor (if applicable)  EBA, A Tetra Tech Company  EBA, A Tetra Tech Company  Functional Area  Construction  Doris Camp  Operating Site  In purplement Site Site Site Site Site Site Site Sit	Actual Location	North Dam, Fillet zone at station 0+50		
EBA, A Tetra Tech Company	Name of Person Involved			March 23/11
Construction	Immediate Supervisor	Doug Fielding		
Department OTHER - type in department to the right Engineering  Nightshift A two-person crew was removing a bucket containing propylene glycol from a box of a pick up truck. The propylene glycol was to be used as a lubricant for a portable coring rig. The tallgate was slippery and the bucket sild off the tallgate. The lid popped open and not more than 2-3 gallons of propylene glycol spilled onto the surface to be cored.  No body parts involved  Equipment Involved (if applicable) Include Equipment # in box next to drop down  Injury Classification (if applicable)  Probable Immediate Causes  Other act not classified Slippery tallgate  Dose lid on propylene glycol transport pail, slippery tallgate leading to pail temporarily tipping over.  Storing propylene glycol in a box of a pick up truck. The propylene glycol was lobe to the result of the propylene glycol form a box of a pick up truck. The propylene glycol form a box of a pick up truck. The propylene glycol form a box of a pick up truck. The glycol-containment of the propylene glycol form a box of a pick up truck. The glycol-containment show was later screped of the surface and additional shows a feet to soak updates the invested indicates. The glycol-containment show was letter screen of the surface and on supplied in several places. The glycol-containment show was letter screen an appearent (at Roberts Bay) on dispylitif (see note below).  Change  Trying to use jarry cars to transport propylene glycol inelead of buckets. If pails are used ensure lids adaquately seal.	Contractor (if applicable)	EBA, A Tetra Tech Company		
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Nightshift	Operating Site	Doris Camp		
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Immediate Corrective Actions Taken  Change  Ch				
Change  Change	Immediate Corrective Actions Taken		·	
Change  Change  Where snow cleaning resulted was further cleaned/scraped down with the excavator. This removed forzen core material was taken to Waste Management for propper disposal.  Trying to use jerry cans to transport propylene glycol instead of buckets, if pails are used ensure lids adaquately seal.		Change	contaminated snow was later scraped off the surface and collected in buckets. A shop vacume was utilized so suck up glycol and containamented snow material. Contaminated material was disposed of at/by waste management (at Roberts Bay) on	
		Change	where snow cleaning resulted was further cleaned/scraped down with the excavator. This removed forzen core material was taken	
Preventative Actions Taken  Note that spill pads are always utilized around area where core drilling is being completed.				
	Preventative Actions Taken	Note that spill pads are always utilized around area where core drilling is being completed.		

Formal Accident Reports(AIR) are required when the risk score is medium or above, medical cases and above, or property damage greater than \$1000. excluding damaged mirrors or windshields)

Reminder: A C-1 report must be completed for all injuries

Note: This report is based on preliminary information only

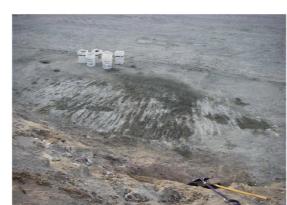
Formal Accident Report Required? No

Est. Repair/Process Loss Cost \$\_

### Insert photos in the table to illustrate the accident or incident whenever possible: Use moderate quality



in key trench/ frozen core excavation, view of glycol area after snow cleaning.



**Photo 5**: The surface of the frozen material in the area of the glycol spill was scraped up with the teeth of the excavator. The material was placed in buckets to be taken to the Waste management Facility for proper disposal.

### **INJURY**

#### **UNTREATED**

No Medical or First Aid treatment needed or necessary. When a prescription medication is used as a precautionary or optional measure, but is not absolutely necessary.

#### **FIRST AID**

- 1. Eye injuries or foreign bodies including eyelids.
- 2. All puncture wounds or lacerations through full skin thickness into underlying tissues.
- Any abrasion requiring follow up or referral.
- 4. Any Insect or animal bite requiring referral or follow up.
- Any confirmed snake bite.
- 6. Superficial Partial Thickness Burns (1<sup>st</sup> degree) > 18% TBSA, or involving face, hands, feet or genitals. (excluding sunburn).
- 7. Soft tissue injury requiring immobilization/strapping of injured area for > 24hrs.
- 8. Any Electrical Injury requiring follow up or referral.

  Note: All Deep Partial Thickness (2nd degree) or Full thickness (third degree) burns will likely require medical follow-up and therefore be considered medical (or more serious) injuries.

## MEDICAL TREATMENT INJURY/ILLNESS

Any injury that requires treatment by a licensed medical professional that does not result in lost time or restricted duty but is beyond first aid.

When it is necessary to use a prescription medication for treatment then it is to be classified as a medical injury.

This will include surgery, treatment of infections, applications of antiseptics during follow-up visits, treatment of second and third degree burns applications of sutures, removal of foreign bodies from wounds, application of hot or cold therapy for follow-up visits, positive x-rays diagnosing fractures, trauma, loss of consciousness, etc.

## RESTRICTED DUTY INJURY/ILLNESS

An injury that prevents a worker from performing one or more of their routine job functions, or from performing their work for the full workday that he or she would otherwise have be scheduled to work. Routine functions are those work activities that the employee regularly performs at least once per week.

## **LOST TIME INJURY/ILLNESS**

All work-related injuries and illnesses where the employee cannot work the next regular scheduled shift.

## **FATALITY**

Death of an individual as a result of a work-related accident or illness

## Illness

Any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or diseases that may be caused by inhalation, absorption, ingestion or direct contact.

## Non Occupational

Injury/Illness that can not be traced to a work related exposure