IMASCO MINERALS INC.
PO BOX 56
SIRDAR, BC V0B 2C0
PH: 250 866 5292
FAX: 250 866 5455

DATE May 29/06

TO Al Hoffman

FROM P. Rodenstein

NUMBER OF PAGES 6

Al, Report as Requested.
So much for modern
technology.
Peter.

BRITISH COLUMBIA

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Mining & Minerals Division

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

File: 1804-10-02-04
Mine No: 0500284
Permit No:
Emp/Cont: 0 / 0
Orders Issd: RECL:
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Picking Belt Shack, Plant

Persons Contacted

MANAGEMENT	P. Rodenstein
OHS COMMITTEE	J. Wall
WORKERS	s.22

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
An investigation of silica exposure to workers at the Imasco, Sirdar plant was conducted on 7-8 March 06. This was prompted by a silicosis claim (XL 05403467) s.22 s.22 in August 05 and accepted by the WCB later last year. s.22 A walk through survey was conducted on 7 March 06. Roadways were wet from rain, temp approximately 10 C, with a light wind. Due to the wet conditions there was little apparent roadway dust. There did not appear to be high levels of airborne dust in the picking shack. The muck is washed when it passes over a screen upstream of the jaw crusher.	

Al Hoffman
Manager, Occupational Health
7th floor, 1675 Douglas Street Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: **March 7, 2006**

Dated: May 15, 2006

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
1) Ventilation is provided by drawing air through a fan on tail end side of the conveyor. This is not a good practice as the dust is not filtered before it enters the picking shack. Pursuant to Sections 1.9.1 (2) and 2.3.5 of the Code the ventilation system for the picking shack shall be reviewed and consideration shall be given to positively pressurizing the area so that only filtered air enters the shack.	1) A filtered air system will be designed and installed to ensure the shack is under positive pressure. All the openings will b sealed with the exception of the chutes required for waste rock disposal. It is estimated that about 7000 cfm of positive pressure w be required to provide filtered air into the building through a filter system similar to the ones being used in the MCC rooms. This will completed as soon as practicable. In the short term all pickers hav been supplied with and trained in the proper use of dust masks.
2) It is my understanding that granite or quartzite rock is crushed dry in winter when water dust suppression can not be used due to freezing of the belt idlers etc. Dry crushing of granite or quartzite shall cease immediately. Management and employees are reminded that it is the inhalation of the respirable silica size fraction (less than 10 micron aero diameter) which can result in silicosis. Dust in this size fraction can not be seen readily with the naked eye.	2) Based on discussions with the former manager and one of the long time pickers, this was only done once. It has never been standard practice. It has never been done since will not be done in the future.
On March 7th 2006 airborne and settled dust levels were high in the plant , but it is my understanding that significant progress has been made in improving dust collection and housekeeping.	
Sampling for airborne dust and collection of bulk samples was conducted on 8 March 06. The results are shown in Figures 1 and 2. A 30 knot northerly wind was blowing on the property; dust levels were considerably lower in the plant on 8 March as compared to the day previous. Roadways were still rain drenched ; the ambient temp was approximately 8 deg C. Anecdotal comments by employees indicate that airborne dust levels can vary widely depending on the prevailing wind and whether the roadways are dry or wet.	
Figure 1 shows that airborne dust levels were low on the day sampled. Note that this is a snapshot in time and levels on average could be much higher; this is supported by the amount of settled dust in the plant.	
Figure 2 shows the percentage of silica (SiO2) in bulk samples that were located in and around the plant. As expected, samples which were composed of granite (65.49%)	

Date of Inspection: March 7 2006 Initials: (Inspector) Initials: (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
or quartzite(97.32%) were high in silica. It is important to note that dust that had settled around screening operations contained between 10% and 14% silica. If this dust is reentrained into the air during shoveling or sweeping activities it could pose a hazard. It is important to note that airborne respirable silica concentrations can not be extrapolated (predicted) from the bulk sample concentrations. Only further occupational monitoring can determine this. It is also my understanding that granite and quartzite are run through the plant on a batch basis several times per year. It is predicted that silica exposures in the picking shack and the plant could be very high during this time period. **Occupational Monitoring Program** 3) In accordance with Section 2.1.3 of the Code an occupational monitoring program shall be implemented at the mine site to determine exposures to respirable silica, limestone and dolomite. The Ministry can assist you with setting up this program. **Ventilation and Clean Up in the Plant** 4) In accordance with Section 2.3.5 of the Code, efforts shall be made to improved the dust collection system in the plant. **Eye Wash Stations** 5) In accordance with Section 2.4.1 of the Code, a permanent or portable eye wash station shall be located in an area close to the bagging operation. The eyewash station shall be put on a monthly PM schedule to ensure that it is clean and operational. **Washroom Facilities** 6) It is my understanding that the washroom facilities near the picking shack are not operational in the winter. In accordance with Sections 2.11.9 - 2.11.13 of the Code, the requirements for toilet facilities shall be reviewed to ensure that they are	**Occupational Monitoring Program** 3) A copy of the 2002 Workplace Monitoring Procedures Manual published by the Ministry in February, 2002 will be reviewed with the OHSC co-chairs. Included in this manual is a template for a "Mine Workplace Monitoring Program" designed for a small gravel pit. This will be revised as necessary to suit our operation at which time it will be submitted to the Ministry. We will continue to work with Al Hoffman and the Ministry to implement the monitoring program. **Ventilation and cleanup in the plant** 4) This is a multistage process that is currently being implemented. Stage 1: remove cyclones and replace old ducting in inside screening plant. Upgrade collection point covers and collection piping. Stage 2: Install new dryer baghouse. The new dryer baghouse will provide an additional 20 HP (6000 ACFM) of dust collection capacity. Stage 3: Modify ducting from old dryer baghouse to provide sufficient dust collection capacity to outside Stedman crushing pad. Stage 4: Repair and reinstall the round baghouse above the bagging area. better dedust the to Modify ducting in inside the crushing plant to use the old dryer baghouse Stage 5: Optimize double baghouse and old dryer baghouse to dedust the inside and outside crushing circuits. Stage 6: Repair leaks into Cassiar Baghouse. Remove outside bagging area fan that blows into the Cassiar Baghouse from the sling bin loader. 5) A portable eyewash station has been purchased and is being installed in the bagging area. In addition there has always been an eyewash station in the washout room located a short distance from the bagging area. 6) A waterline will be plumbed into the outside washroom facilities near the picking shack that will make the facilities operational all year.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
adequate for male and female employees. **Mine Dry** 7) There are insufficient shower facilities at the mine site. Workers are changing and storing their dirty coveralls in the lunch room. This is not a good practice. The Manager shall review the requirements of 2.11.5 of the Code and develop a plan to construct appropriate shower facilities for both male and female employees. It is my understanding that there is an abandoned trailer that could be converted to a mine dry as a short term measure. **Medical Surveillance Program** 8) In light of the recent silicosis claim at the mine site, it is recommended that all employees be offered the opportunity to have a chest x ray and/or lung function test in consultation with their family physician. Pursuant to section 2.12.7 and 2.12.5 (1)of the Code, the cost of any tests will be borne by the company and the results shall not be revealed to the company without the written informed consent of the employee. **Audiometric Testing** 9) The opportunity to undergo an annual hearing test shall be provided to all employees on the site. There are several audiometric testing firms that can provide an onsite opportunity to have this done. **First Aid Supplies and Services** 10) In accordance with Section 3.6.1 of the Code the Manager shall review the requirements for first aiders and ensure that there is adequate coverage on all shifts. Thank you for your co-operation. The Ministry can provide assistance in designing your occupational monitoring program.	**Mine Dry** 7) This issue was discussed with all female employees on site as well as the OHSC co-chairs. All female employees unanimously agreed that they are not interested in shower facilities at this time It was agreed among the OHSC co-chairs that converting the trailer to a mine dry is not currently a high priority. While not the most luxurious of facilities, there are currently shower facilities located in the main office as well as the first aid room. Future plans for an office/warehouse will include shower and dry facilities for both sexes. **Medical Surveillance Program** 8) An offer to provide a chest x-ray and/or lung fuction test has been made to all employees at the Sirdar and Crawford Bay sites. **Annual Audiometric Testing** 9) Annual Audiometric Testing is being done on a yearly basis by Okanagan Audio Lab Ltd. Vernon BC. Hearing test results can be made available to the Ministry if requested. **First Aid Supplies and Services** 10) Based on the WCB Regulations refered to by Section 3.6.1 of the Mining Code, our site is classified as a ***"High" hazard Class with a total numbers of "workers" per shift of between 2-15 with less than 20 minutes travel time to hospital.*** For this classification we are required to have Level 1 First Aid Kits and level 1 First Aid Training. In the spring of 2005 a total of 3 new Level 1 First Aid Stations were purchased from Zee Medical out of Cranbrook. Zee Medical continues to professionally service these kits on a monthly basis. First Aid Training is offered to all employees at the company's expense. Additional Training and educational development assistance is also provided to all employees as per the collective agreement. Employees holding an industrial first aid certificate (to a maximum of one per shift) receive an additional $0.75 per hour in addition to their regular hourly rate.

Date of Inspection: March 7, 2006 Initials: (Inspector) Initials: (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Date of Inspection: **March 7, 2006** Initials: (Inspector) Initials: (Manager)

BRITISH COLUMBIA

Monday, April 03, 2006

File: 18040-02-04
Mine No.: 0500284

March 31, 2006
Mr. Peter Rodenstein
Manager
Imasco Sidar Operation
Box 56
Sirdar, BC V0B 2C0

By Fax: (250) 866-5455

Re: Mine Inspection March 7, 2006
Property: IMASCO - SIRDAR

Enclosed are three copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act. Please forward a copy to the C0-Chair of your OHSC and to the local union representative.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

A silicosis claim is of concern to the Ministry and I am sure to you and your employees. The Ministry will continue to follow up this investigation and can be of assistance in conducting your occupational monitoring program.

I can be reached at (250) 952-0464 or at e-mail Al.Hoffman@gov.bc.ca if you have further questions.

Yours truly,

Al Hoffman, P.Eng.
Manager, Occupational Health

Enclosures 2
C: Phil Pascuzi, Regional Office Cranbrook

Ministry of Energy, Mines and Petroleum Resources Mining & Minerals Division
PO Box 9320, Stn Prov Govt
Victoria, BC V8W 9N3
Telephone:
Facsimile:
7th Floor.
1675 Douglas Street
Victoria

BRITISH COLUMBIA

Province of British Columbia
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Mining & Minerals Division

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 12823
File: 18040-02-04
Mine No: 0500284
Permit No:
Emp/Cont: 0 / 0
Orders **H&S:** **RECL:**
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Picking Belt Shack, Plant

Persons Contacted

MANAGEMENT	P. Rodenstein
OHS COMMITTEE	J. Wall
WORKERS	s.22

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
An investigation of silica exposure to workers at the Imasco, Sidar plant was conducted on 7-8 March 06. This was prompted by a silicosis claim (XL 05403467) filed s.22 s.22 in August 05 and accepted by the WCB later last year. s.22 A walk through survey was conducted on 7 March 06. Roadways were wet from rain, temp approximately 10 C, with a light wind. Due to the wet conditions there was little apparent roadway dust. There did not appear to be high levels of airborne dust in the picking shack. The muck is washed when it passes over a screen upstream of the jaw crusher.	

Al Hoffman
Manager, Occupational Health
7th floor, 1675 Douglas Street Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: **March 7, 2006**

Dated: , 20

Copies To **P. Pascuzi**

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Ventilation is provided by drawing air through a fan on tail end side of the conveyor. This is not a good practice as the dust is not filtered before it enters the picking shack. Pursuant to Sections 1.9.1 (2) and 2.3.5 of the Code the ventilation system for the picking shack shall be reviewed and consideration shall be given to positively pressurizing the area so that only filtered air enters the shack.

It is my understanding that granite or quartzite rock is crushed dry in winter when water dust suppression can not be used due to freezing of the belt idlers etc. Dry crushing of granite or quartzite shall cease immediately. Management and employees are reminded that it is the inhalation of the respirable silica size fraction (less than 10 micron aero diameter) which can result in silicosis. Dust in this size fraction can not be seen readily with the naked eye.

On March 7th 2006 airborne and settled dust levels were high in the plant , but it is my understanding that significant progress has been made in improving dust collection and housekeeping.

Sampling for airborne dust and collection of bulk samples was conducted on 8 March 06. The results are shown in Figures 1 and 2. A 30 knot northerly wind was blowing on the property; dust levels were considerably lower in the plant on 8 March as compared to the day previous. Roadways were still rain drenched ; the ambient temp was approximately 8 deg C. Anecdotal comments by employees indicate that airborne dust levels can vary widely depending on the prevailing wind and whether the roadways are dry or wet.

Figure 1 shows that airborne dust levels were low on the day sampled. Note that this is a snapshot in time and levels on average could be much higher; this is supported by the amount of settled dust in the plant.

Figure 2 shows the percentage of silica (SiO_2) in bulk samples that were located in and around the plant. As expected, samples which were composed of granite (65.49%)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

or quartzite(97.32%) were high in silica. It is important to note that dust that had settled around screening operations contained between 10% and 14% silica. If this dust is reentrained into the air during shoveling or sweeping activities it could pose a hazard. It is important to note that airborne respirable silica concentrations can not be extrapolated (predicted) from the bulk sample concentrations. Only further occupational monitoring can determine this.

It is also my understanding that granite and quartzite are run through the plant on a batch basis several times per year. It is predicted that silica exposures in the picking shack and the plant could be very high during this time period.

Occupational Monitoring Program

In accordance with Section 2.1.3 of the Code an occupational monitoring program shall be implemented at the mine site to determine exposures to respirable silica, limestone and dolomite.
The Ministry can assist you with setting up this program.

Ventilation and Clean Up in the Plant

In accordance with Section 2.3.5 of the Code, efforts shall be made to improved the dust collection system in the plant.

Eye Wash Stations

In accordance with Section 2.4.1 of the Code, a permanent or portable eye wash station shall be located in an area close to the bagging operation. The eyewash station shall be put on a monthly PM schedule to ensure that it is clean and operational.

Washroom Facilities

It is my understanding that the washroom facilities near the picking shack are not operational in the winter. In accordance with Sections 2.11.9 - 2.11.13 of the Code, the requirements for toilet facilities shall be reviewed to ensure that they are

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

adequate for male and female employees.

Mine Dry

There are insufficient shower facilities at the mine site. Workers are changing and storing their dirty coveralls in the lunch room. This is not a good practice. The Manager shall review the requirements of 2.11.5 of the Code and develop a plan to construct appropriate shower facilities for both male and female employees. It is my understanding that there is an abandoned trailer that could be converted to a mine dry as a short term measure.

Medical Surveillance Program

In light of the recent silicosis claim at the mine site, it is recommended that all employees be offered the opportunity to have a chest x ray and/or lung function test in consultation with their family physician. Pursuant to section 2.12.7 and 2.12.5 (1)of the Code, the cost of any tests will be borne by the company and the results shall not be revealed to the company without the written informed consent of the employee.

Audiometric Testing

The opportunity to undergo an annual hearing test shall be provided to all employees on the site. There are several audiometric testing firms that can provide an onsite opportunity to have this done.

First Aid Supplies and Services

In accordance with Section 3.6.1 of the Code the Manager shall review the requirements for first aiders and ensure that there is adequate coverage on all shifts.

Thank you for your co-operation. The Ministry can provide assistance in designing your occupational monitoring program.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Date of Inspection: **March 7, 2006** Initials: _____ (Inspector) Initials: _____ (Manager)

FIGURE 1

Airborne Dust Results Imasco 8 March 06				
Filter Number	Area/Personal	Total Respirable Dust mg/m3	Total Respirable Silica mg/m3	Comments
15386	Inside screening room	0.08	0	
15393	picking belt shack	0.05	0	
15394	outside screening room	1.06	<0.01	
15403	Personal s.22	sample spoiled pump failure		
15412	s.22	0.46	<0.01	working in plant approximately 1 hr 45 min

TLV (permissible level) = 0.1 mg/m^3
silica respirable

FIGURE 2

VA06020705 - Finalized																
		Ministry of Energy, Mines and Petroleum Resources														
# of SAMPLES : 14		IMASCO MINE SAMPLES														
DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22																
PROJECT : "Imasco"																
CERTIFICATE COMMENTS : ""																
PO NUMBER : " "																
		ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
SAMPLE		SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
Number		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
IM#1	grey granite from mine	65.49	15.28	3.65	3.6	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	1.88	98.46
IM#2	picking shack stairs	5.89	1.1	0.7	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01	41.6	98.43
IM#3	quartizite sample	97.32	0.6	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.08	99.01
IM#4	mud under picking belt	8.86	1.75	1.04	30.06	15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01	40.6	98.83
IM#5	00 soil conditioner under picking belt	2.57	0.73	0.66	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	44	98.92
IM#6	quartzite cow sand	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	1.94	98.26
IM#7	granite cow sand	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1	0.86	98.16
IM#8	#2 Dillon screen	1.64	0.3	0.55	34.68	16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01	44.6	98.5
IM#9	Stedman Pad entrance door	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01	42.2	98.38
IM#10	Niagra screen room	14.55	2.01	0.89	27.17	15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01	37.2	98.67
IM#11	inside screening room-	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02	37	98.28
IM#13	settled dust moat	10.44	1.83	0.85	30.56	14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	39.2	98.5
IM#14	picking belt scrapings	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	45.1	98.41
IM#15	outside screen room	1.56	0.22	0.6	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	45.5	98.47

FIGURE 1

Airborne Dust Results Imasco 8 March 06				
Filter Number	Area/Personal	Total Respirable Dust mg/m3	Total Respirable Silica mg/m3	Comments
15386	Inside screening room	0.08	0	
15393	picking belt shack	0.05	0	
15394	outside screening room	1.06	<0.01	
15403	Personal s.22	sample spoiled pump failure		
15412	s.22	0.46	<0.01	working in plant approximately 1 hr 45 min

TLV (permissible level) = 0.1 mg/m^3
silica respirable

FIGURE 2

VA06020705 - Finalized															
		Ministry of Energy, Mines and Petroleum Resources													
# of SAMPLES : 14		IMASCO MINE SAMPLES													
DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22															
PROJECT : "Imasco"															
CERTIFICATE COMMENTS : ""															
PO NUMBER : " "															
		ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	M
SAMPLE		SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	L
Number		%	%	%	%	%	%	%	%	%	%	%	%	%	%
IM#1	grey granite from mine	65.49	15.28	3.65	3.6	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	
IM#2	picking shack stairs	5.89	1.1	0.7	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01	
IM#3	quartizite sample	97.32	0.6	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	
IM#4	mud under picking belt	8.86	1.75	1.04	30.06	15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01	
IM#5	00 soil conditioner under picking belt	2.57	0.73	0.68	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	
IM#6	quartzite cow sand	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	
IM#7	granite cow sand	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1	
IM#8	#2 Dillon screen	1.64	0.3	0.55	34.68	16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01	
IM#9	Stedman Pad entrance door	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01	
IM#10	Niagra screen room	14.55	2.01	0.89	27.17	15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01	
IM#11	Inside screening room	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02	
IM#13	settled dust moat	10.44	1.83	0.85	30.56	14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	
IM#14	picking belt scrapings	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	
IM#15	outside screen room	1.56	0.22	0.6	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	

Airborne Dust Results Imasco 8 March 06				
Filter Number	Area/Personal	Total Respirable Dust mg/m3	Total Respirable Silica mg/m3	Comments
15386	Inside screening room	0.08	0	
15393	picking belt shack	0.05	0	
15394	outside screening room	1.06	<0.01	
15403	Personal s.22	sample spoiled pump failure		
15412	s.22	0.46	<0.01	working in plant approximately 1 hr 45 min

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	VA06020705 - Finalized															
2	CLIENT : "	Mines And Petroleum Resou"														
3	# of SAMPLES : 14															
4	DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22															
5	PROJECT : "Imasco"															
6	CERTIFICATE COMMENTS : ""															
7	PO NUMBER : " "															
8		ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
9	SAMPLE	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
10	DESCRIPT	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
11	IM#1	65.49	15.28	3.65	3.6	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	1.88	98.46
12	IM#2	5.89	1.1	0.7	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01	41.6	98.43
13	IM#3	97.32	0.6	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.08	99.01
14	IM#4	8.86	1.75	1.04	30.06	15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01	40.6	98.83
15	IM#5	2.57	0.73	0.68	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	44	98.92
16	IM#6	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	1.94	98.26
17	IM#7	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1	0.86	98.16
18	IM#8	1.64	0.3	0.55	34.68	16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01	44.8	98.5
19	IM#9	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01	42.2	98.38
20	IM#10	14.55	2.01	0.89	27.17	15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01	37.2	98.67
21	IM#11	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02	37	98.28
22	IM#13	10.44	1.83	0.85	30.56	14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	39.2	98.5
23	IM#14	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	45.1	98.41
24	IM#15	1.56	0.22	0.6	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	45.5	98.47

VA06020705 - Finalized

Ministry of Energy, Mines and Petroleum Resources

# of SAMPLES : 14 IMASCO MINE SAMPLES

DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22

PROJECT : "Imasco"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

		ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF0
SAMPLE		SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
Number		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
IM#1	grey granite from mine	65.49	15.28	3.65	3.6	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	1.88	98.4
IM#2	picking shack stairs	5.89	1.1	0.7	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01	41.6	98.4
IM#3	quartzite sample	97.32	0.6	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.08	99.0
IM#4	mud under picking belt	8.86	1.75	1.04	30.06	15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01	40.6	98.8
IM#5	00 soil conditioner under picking belt	2.57	0.73	0.68	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	44	98.9
IM#6	quartzite cow sand	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	1.94	98.2
IM#7	granite cow sand	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1	0.86	98.1
IM#8	#2 Dillon screen	1.64	0.3	0.55	34.66	16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01	44.8	98.
IM#9	Stedman Pad entrance door	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01	42.2	98.3
IM#10	Niagra screen room	14.55	2.01	0.89	27.17	15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01	37.2	98.6
IM#11	Inside screening room	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02	37	98.2
IM#13	settled dust moat	10.44	1.83	0.85	30.56	14.61	0.26	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	39.2	98
IM#14	picking belt scrapings	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	45.1	98.4
IM#15	outside screen room	1.56	0.22	0.6	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	45.5	98.4

VA06020705 - Finalized

Ministry of Energy, Mines and Petroleum Resources

# of SAMPLES : 14 IMASCO MINE SAMPLES

DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22

PROJECT : "Imasco"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE Number		ME-XRF06 SiO2 %	ME-XRF06 Al2O3 %	ME-XRF06 Fe2O3 %	ME-XRF06 CaO %	ME-XRF06 MgO %	ME-XRF06 Na2O %	ME-XRF06 K2O %	ME-XRF06 Cr2O3 %	ME-XRF06 TiO2 %	ME-XRF06 MnO %	ME-XRF06 P2O5 %	ME-XRF06 SrO %	ME-XRF06 BaO %	ME-XRF06 LOI %	ME-XRF06 Total %
IM#1	grey granite from mine	65.49	15.28	3.65	3.6	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	1.88	98.46
IM#2	picking shack stairs	5.89	1.1	0.7	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01	41.6	98.43
IM#3	quartizite sample	97.32	0.6	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.08	99.01
IM#4	mud under picking belt	8.86	1.75	1.04	30.06	15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01	40.6	98.83
IM#5	00 soil conditioner under picking belt	2.57	0.73	0.68	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	44	98.92
IM#6	quartzite cow sand	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	1.94	98.26
IM#7	granite cow sand	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1	0.86	98.16
IM#8	#2 Dillon screen	1.64	0.3	0.55	34.68	16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01	44.8	98.5
IM#9	Stedman Pad entrance door	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01	42.2	98.38
IM#10	Niagra screen room	14.55	2.01	0.89	27.17	15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01	37.2	98.67
IM#11	Inside screening room	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02	37	98.28
IM#13	settled dust moat	10.44	1.83	0.85	30.56	14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	39.2	98.5
IM#14	picking belt scrapings	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	45.1	98.41
IM#15	outside screen room	1.56	0.22	0.6	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	45.5	98.47

BRITISH COLUMBIA

March 10, 2006

File: *Imasco Sidar Inspection Report 8 March 06*

ALS CHEMEX
212 Brooksbank Avenue,
North Vancouver, B.C., V7J 2C1

Dear Safiann Maiter:

Find enclosed 14 samples that were collected at a limestone/dolomite plant. They also process granite and quartzite through the mill occasionally (samples 1 and 2).

I'm particularly interested in the mass percentage of crystalline silica dioxide in the samples. I have taken respirable airborne samples as well which will be analyzed at another lab using XRD.

We will pay for these samples using VISA. Please note that the BC provincial government is GST exempt. Please contact me or Pat Cheetham at 952-0492 to make payment arrangements.

Sincerely,

Al Hoffman, P.Eng.
Manager, Occupational Health

Ministry of Energy, Mines and Petroleum Resources

Mining and Minerals Division

Mailing Address:
PO Box 9320, Stn Prov Govt
Victoria, BC V8W 9N3
Telephone: (250) 952-0492
Facsimile: (250) 952-0491

Location:
Seventh Floor
1675 Douglas Street
Victoria

ALS Chemex

Sample Submittal Form _____

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINING & MINERALS DIVISION
PO BOX 9320 STN PROV GOVT
VICTORIA BC V8W 9N3

Company Name: _____

Submitted By: AL HOFFMAN Telephone No.: (250) 952-0464

Project: IMASCO Date: 10 MARCH '06

Order No.: _____ Quote No.: _____

Courier: _____ Waybill No.: _____

Internal Use Only

Date Received: _____

Client Code: _____

Workorder No.: _____

Sample Type: Rock ☐ Sediment ☐ Soil ☐ Percussion ☐ Ore ☐ Other _____ (Rush 1.5x List Price)

Sample Type	Samples Start No.	Samples Finish No.	Quantity	Elements or Method Codes	Rush (Y)	Range (X) Trace	Range (X) Ore
#10		NIAGRA SCREEN ROOM					
11		INSIDE SCREEN LOWER LEVEL					
~~12~~ 13		DUST MOAT AREA					
14		BELT SCRAPINGS COARSE ORE					
15		OUTSIDE SCREEN ROOM					
		Total:	14				

Special Instructions: _____

Pulp and Reject Instructions

Pulps	Rejects
☐ Return after analysis	☐ Return after analysis
☐ Return after 90 days	☐ Return after 45 days
☐ Discard after 90 days	☐ Discard after 45 days
☐ Paid storage after 90 days	☐ Paid storage after 45 days

Failure to indicate pulp & reject instructions will result in disposal without notice.

Return Address: _____

Attention: _____

Refer to Pulp and Reject Policy in Sevice Schedule

Results to: AL HOFFMAN ☒ Certificate

Address: MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES MINING & MINERALS DIVISION PO BOX 9320 STN PROV GOVT VICTORIA BC V8W 9N3 ☐ Webtrieve

Email: ☑ Email

Fax: ☐ Fax

Copy to: _____ ☐ Certificate

Address: _____ ☐ Webtrieve

Email: Al.Hoffman@gov.bc.ca ☐ Email

Fax: (250) 952-0491 ☐ Fax

Invoice to: MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Address: MINING & MINERALS DIVISION PO BOX 9320 STN PROV GOVT VICTORIA BC V8W 9N3 ☐ Certificate required

Authorized by:

Name: _____ (Please Print)

Signature: _____

Visit our website at www.alschemex.com for branch locations, analytical packages and other information.

BRITISH COLUMBIA
Ministry of Energy and Mines
Mining and Minerals Division

Al Hoffman, M.Sc., M.Sc.(A) P.Eng.
MANAGER
OCCUPATIONAL HEALTH

Mailing Address:
PO Box 9320 Stn Prov Govt
Victoria BC V8W 9N3
Telephone: 250 952-0464
Facsimile: 250 952-0491
e-mail: al.hoffman@gems7.gov.bc.ca
Location:
Seventh Floor, 1675 Douglas Street, Victoria

Sample Submittal Form

S DIVISION
PROV GOVT
9N3

he No.: (250) 952-0464

10 MARCH '06

Internal Use Only

Date Received:

Client Code:

Workorder No.:

Order No.: Quote No.:

Courier: Waybill No.:

Sample Type: Rock ☒ Sediment ☐ Soil ☐ Percussion ☐ Ore ☐ Other ROCK & DUST (Rush 1.5x List Price)

Samples		Quantity	Elements or Method Codes	Rush (✓)	Range (x)	
Start No.	Finish No.				Trace	Ore
#1	GRANITE					
#2	PICKING SHACK MOD					
#3	QUARTZITE					
#4	PICKING BELT WASTE					
#5	Ø Ø SOIL CONDITIONER					
#6	BROWN COW SAND BUNKER					
#7	GRANITE COW SAND					
#8	#2 DILLON SCREEN BELT					
#9	STEDMAN PAD ENTRANCE DOOR					
	Total:					

Special Instructions:

Pulp and Reject Instructions

Pulps	Rejects
☐ Return after analysis	☐ Return after analysis
☐ Return after 90 days	☐ Return after 45 days
☐ Discard after 90 days	☐ Discard after 45 days
☐ Paid storage after 90 days	☐ Paid storage after 45 days

Failure to indicate pulp & reject instructions will result in disposal without notice.

Return Address:

Attention:

Refer to Pulp and Reject Policy in Sevice Schedule

Results to: AL HOFFMAN
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINING & MINERALS DIVISION
PO BOX 9320 STN PROV GOVT
VICTORIA BC V8W 9N3

☒ Certificate ☐ Webtrieve ☑ Email ☐ Fax

☐ Certificate ☐ Webtrieve ☐ Email ☐ Fax

Al.Hoffman@gov.bc.ca
(250) 952-0491

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINING & MINERALS DIVISION
PO BOX 9320 STN PROV GOVT
VICTORIA BC V8W 9N3

☐ Certificate required

Authorized by:

Name: (Please Print)

Signature:

Visit our website at www.alschemex.com for branch locations, analytical packages and other information

Natural Resources Canada
Ressources naturelles Canada

CANMET

MINING AND MINERAL SCIENCES LABORATORIES / LABORATOIRES DES MINES ET DES SCIENCES MINÉRALES

X-RAY DIFFRACTION / DIFFRACTION DES RAYONS X

Sudbury Laboratory / Laboratoire de Sudbury

1079 Chemin Kelly Lake Road

Sudbury, Ontario, P3E 5P5

Facsimile Cover Sheet

TO:	*Al Hoffman* *Ministry of Energy* *and Mines* *Mining Division* *P.O. Box 9320 Stn.* *Victoria, BC V8W 9N3*
Phone:	*(250) 952-0464*
Fax Phone:	*(250) 952-0491*

Date: *March 14, 2006*

FROM:	*Kevin Butler* *CANMET*
Phone:	*(705) 677-7811*
Fax Phone:	*(705) 670-6556*

Number of pages including cover sheet:	2

REMARKS: ☐ *Urgent* ☒ *For your review* ☐ *Reply ASAP* ☐ *Please Comment*

TRD/XRD 06-021

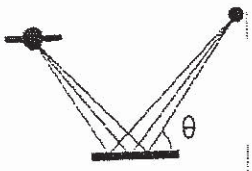
The attached does not constitute the official report(s), which will be sent by mail, along with the limits of detection and the Terms & Conditions.

Please note that Analytical Limits of Detection and Uncertainties have been calculated for TRD and XRD. This information is available on Page 2 of the original test report which is being sent by mail.

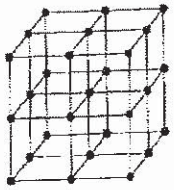
The work has been carried out under the supervision of the project leader, Gary Bonnell (705) 670-6766 (gbonnell@NRCan.gc.ca) to whom inquiries can be made.

Test Report

Natural Resources Canada
Ressources Naturelles Canada



X-RAY DIFFRACTION
Sudbury Laboratory
DIFFRACTION DES RAYONS X
Laboratoire de Sudbury



Client: *BC Government*
Address: *Victoria, BC*
Contact: *Al Hoffman*
P.O. Number: *SO-000002*

Date Samples Received: **March 13, 2006**
Date Samples Analysed: **March 13, 2006**
Date of Primary Calib. : **September 25, 2004**
Date of Secondary Calib: **January 26, 2006**

Analysed by: Kevin Buffler

Checked by: Gary Bonnell

Report #: *06-021* **Page(s):** *1 of 1* **Date:** **March 14, 2006**

Sample	Respirable Dust							
	Total		Quartz			RCD		
	(mg)	(mg/m³)	(mg)	(mg/m³)	%	(mg)	(mg/m³)	%
15386	0.02	0.08	0.00	0.00	0	0.00	0.00	0
15393	0.03	0.05	0.00	0.00	0	0.01	0.02	33
15394	0.48	1.06	<0.01	-	-	0.02	0.05	5
15403	0.00	0.00	0.00	0.00	0	0.01	0.03	-
15412	0.23	0.46	<0.01	-	-	0.04	0.08	17

NOTE: Flow rates based upon a nominal flow of 2.75 liters/min used to calculate mg/m³

Note: < 0.01 indicates the presence of quartz below the detectable limit of 0.01 mg

Project Leader: Gary Bonnell Date: March 14, 2006

CANMET

Canada

NOTIFICATION OF RECEIPT OF SAMPLES
VA06020705

Print date : Mar 15, 2006

Client Code : **SIS**

To:

Al Hoffman
B.C. Ministry of Energy, Mines and Petroleum Resou
PO Box 9320
Stn Prov Govt
Victoria BC
Canada V8W 9N3

WO Billing address:

Al Hoffman
B.C. Ministry of Energy, Mines and Petroleum Resou
PO Box 9320
Stn Prov Govt
Victoria BC
Canada V8W 9N3

WORKORDER DISTRIBUTION

REPORT DESCRIPTION	DESTINATION PERSON	DELIVERY
ALS Chemex Standard CSV format	Al Hoffman	Email
Work Order	Al Hoffman	Email
Certificate of analysis	Al Hoffman	Print
Invoice	Al Hoffman	Print

Samples submitted by:
Project: Imasco
P. O. #:
Sample Type: Rock
Date Received: March 13, 2006

Total Samples Received: 14
Pulp Disposition: Paid Storage after 90 Days
Reject Disposition: Monthly Storage
First Sample Description: IM#1
Carrier and Waybill: PUROLATOR 26144841132

ANALYTICAL WORK REQUESTED:

PREP

3	CRU-31	Fine crushing - 70% <2mm
14	LOG-24	Pulp Login - Rcd w/o Barcode
11	PUL-41	Pulverize in Zirconia Ring
14	WEI-21	Received Sample Weight

Analytes Requested: Recvd Wt.

ANALYTICAL

14	ME-XRF06	Whole Rock Package - XRF

Analytes Requested:
Al2O3,BaO,CaO,Cr2O3,Fe2O3,K2O,LOI,MgO,MnO,Na2O,P2O5,SiO2,SrO,TiO2,Total

14	OA-GRA06	LOI for ME-XRF06

MISCELLANEOUS ITEMS:

1	BAT-01	Administration Fee

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOU**
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

INVOICE NUMBER 1372849

BILLING INFORMATION

Certificate:	**VA06020705**
Sample Type:	**Rock**
Account:	**SIS**
Date:	**22-MAR-2006**
Project:	Imasco
P.O. No.:	
Quote:	
Terms:	**Due on Receipt** C1
Comments:	

QUANTITY	ANALYSED FOR CODE	DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	30.00	30.00
14	LOG-24	Pulp Login - Rcd w/o Barcode	0.75	10.50
14	ME-XRF06	Whole Rock Package - XRF	32.00	448.00
11	PUL-31	Pulverize split to 85% <75 um	3.15	34.65
0.26	CRU-31	Weight Charge (kg) - Fine crushing - 70% <2mm	0.25	0.07
3	CRU-31	Fine crushing - 70% <2mm	2.25	6.75

received
approved
Al Hoffman
30 Apr '06

SUBTOTAL (CAD) $ 529.9

TOTAL PAYABLE (CAD) $ 529.9

To: **B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOU**
ATTN: AL HOFFMAN
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank:
SWIFT:
Address:
Account:

s.21

Please Remit Payments To :
ALS Chemex
212 Brooksbank Avenue
North Vancouver BC V7J 2C1

Put
Have you received this invoice yet?

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOU**
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

Finalized Date: 22-MAR-2006
Account: SIS

CERTIFICATE VA06020705

Project: Imasco

P.O. No.:

This report is for 14 Rock samples submitted to our lab in Vancouver, BC, Canada on 13-MAR-2006.

The following have access to data associated with this certificate:

AL HOFFMAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-31	Fine crushing - 70% <2mm
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF06	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM

To: **B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOU**
ATTN: AL HOFFMAN
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: B.C. MINISTRY OF ENERGY, MINES AND
PETROLEUM RESOU
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

Project: Imasco

CERTIFICATE OF ANALYSIS VA06020705

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-XRF06 SiO2 % 0.01	ME-XRF06 Al2O3 % 0.01	ME-XRF06 Fe2O3 % 0.01	ME-XRF06 CaO % 0.01	ME-XRF06 MgO % 0.01	ME-XRF06 Na2O % 0.01	ME-XRF06 K2O % 0.01	ME-XRF06 Cr2O3 % 0.01	ME-XRF06 TiO2 % 0.01	ME-XRF06 MnO % 0.01	ME-XRF06 P2O5 % 0.01	ME-XRF06 SrO % 0.01	ME-XRF06 BaO % 0.01	ME-XRF06 LOI % 0.01
IM#1		0.04	65.49	15.28	3.65	3.60	1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12	1.88
IM#2		0.12	5.89	1.10	0.70	36.95	11.61	0.11	0.27	<0.01	0.05	0.04	0.10	0.01	0.01	41.60
IM#3		0.10	97.32	0.60	0.66	0.04	0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.08
IM#4		0.12	8.86	1.75	1.04	30.06	15.70	0.20	0.41	<0.01	0.06	0.03	0.10	0.01	0.01	40.60
IM#5		0.06	2.57	0.73	0.68	34.53	16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01	44.00
[illegible]		0.10	87.79	3.93	1.61	0.94	0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02	1.94
IM#7		0.04	67.79	14.19	3.52	3.42	1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.10	0.86
IM#8		0.06	1.64	0.30	0.55	34.68	16.32	<0.01	0.08	<0.01	0.02	0.03	0.10	0.01	<0.01	44.80
IM#9		0.04	6.78	0.81	0.62	30.61	16.89	0.07	0.22	<0.01	0.05	0.02	0.10	0.01	0.01	42.20
IM#10		0.06	14.55	2.01	0.89	27.17	15.83	0.30	0.47	0.01	0.06	0.03	0.14	0.01	0.01	37.20
IM#11		0.06	14.34	2.79	1.03	26.93	14.84	0.41	0.69	<0.01	0.09	0.03	0.10	0.01	0.02	37.00
IM#13		0.12	10.44	1.83	0.85	30.56	14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01	39.20
IM#14		0.04	2.14	0.09	0.63	30.08	20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01	45.10
IM#15		0.02	1.56	0.22	0.60	30.91	19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01	45.50

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: B.C. MINISTRY OF ENERGY, MINES AND
PETROLEUM RESOU
PO BOX 9320
STN PROV GOVT
VICTORIA BC V8W 9N3

Project: Imasco

CERTIFICATE OF ANALYSIS VA06020705

Sample Description	Method / Analyte / Units / LOR	ME-XRF06 Total % 0.01
IM#1		98.46
IM#2		98.43
IM#3		99.01
IM#4		98.83
IM#5		98.92
[illegible]		98.26
IM#7		98.16
IM#8		98.50
IM#9		98.38
IM#10		98.67
IM#11		98.28
IM#13		98.50
IM#14		98.41
IM#15		98.47

ALS Chemex

Whole Rock Geochemistry – ME-XRF06

Sample Decomposition: Lithium Tetraborate Fusion* (WEI-GRA06)
Analytical Method: X-Ray Fluorescence Spectroscopy (XRF)

A prepared sample (1.000 g) is added to lithium tetraborate flux (9.000 g), mixed well and fused in a furnace at 1100°C. A flat glass disc is prepared from the resulting melt. This disc is then analyzed by X-ray fluorescence spectrometry. Oxide concentration is calculated from the determined elemental concentration and the result is reported in that format.

To determine loss on ignition (L.O.I.), a porcelain crucible is dried in an oven at 105°C, cooled and the weight recorded. A prepared sample (3.00 g) is added to the crucible and then ashed at 1000°C for one hour. The sample is then cooled in a desiccator, weighed and the percent loss on ignition is calculated.

Element	Symbol	Units	Lower Limit	Upper Limit
Aluminum Oxide	Al_2O_3	%	0.01	100
Barium Oxide	BaO	%	0.01	100
Calcium Oxide	CaO	%	0.01	100
Chromium Oxide	Cr_2O_3	%	0.01	100
Ferric Oxide	Fe_2O_3	%	0.01	100
Potassium Oxide	K_2O	%	0.01	100
Magnesium Oxide	MgO	%	0.01	100
Manganese Oxide	MnO	%	0.01	100
Sodium Oxide	Na_2O	%	0.01	100
Phosphorus Oxide	P_2O_5	%	0.01	100

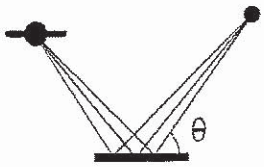
Element	Symbol	Units	Lower Limit	Upper Limit
Silicon Oxide	SiO_2	%	0.01	100
Strontium Oxide	SrO	%	0.01	100
Titanium Oxide	TiO_2	%	0.01	100
Loss On Ignition	LOI	%	0.01	100
	Total	%	0.01	101

*Note: For samples that are high in sulphides, we may substitute a peroxide fusion in order to obtain better results.

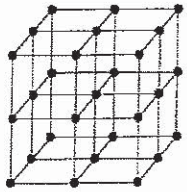
Test Report

MASCO

Natural Resources Canada
Ressources Naturelles Canada



X-RAY DIFFRACTION
Sudbury Laboratory
DIFFRACTION DES RAYONS X
Laboratoire de Sudbury



Client: *BC Government*
Address: *Victoria, BC*
Contact: *Al Hoffman*
P.O. Number: *SO-000002*

Date Samples Received: **March 13, 2006**
Date Samples Analysed: **March 13, 2006**
Date of Primary Calib. : **September 25, 2004**
Date of Secondary Calib: **January 26, 2006**

Analysed by: Kevin Butler

Checked by: Gary Bonnell

Report #: *06-021* **Page(s):** *1 of 1* **Date:** **March 14, 2006**

Sample	Respirable Dust							
	Total		Quartz			RCD		
	(mg)	(mg/m³)	(mg)	(mg/m³)	%	(mg)	(mg/m³)	%
15386	0.02	0.08	0.00	0.00	0	0.00	0.00	0
15393	0.03	0.05	0.00	0.00	0	0.01	0.02	33
15394	0.48	1.06	<0.01	-	-	0.02	0.05	5
15403	0.00	0.00	0.00	0.00	0	0.01	0.03	-
15412	0.23	0.46	<0.01	-	-	0.04	0.08	17

NOTE: Flow rates based upon a nominal flow of 2.75 liters/min used to calculate mg/m³

Note: < 0.01 indicates the presence of quartz below the detectable limit of 0.01 mg

Project Leader: Gary Bonnell Date: March 14, 2006

CANMET

Canada

TERMS AND CONDITIONS FOR SMALL SERVICE JOBS

These terms and conditions hereunder written apply to the work done and the deliverables obtained from the small service job _____, Project 601254 .

1. **CANMET** has performed the work in a diligent, thorough and workmanlike manner in accordance with good scientific and technical practices. However, **CANMET** makes no representation or warranty respecting the results arising therefrom, either expressly or implied by law or otherwise, including but not limited to implied warranties or conditions of merchantability or fitness for a particular purpose.

2. **CANMET** shall keep confidential and not disclose to third parties the information contained in or regarding the Deliverables for a period of three (3) years from the coming into force of this Agreement, except with the written consent of the **CLIENT** or where the information: (a) is now or hereafter, through no act or failure to act on the part of **CANMET**, becomes generally known or available to the public without breaching this Agreement; (b) is subsequently disclosed to **CANMET** by a third party, and does not include a confidential obligation; (c) is developed by **CANMET** independently of this Agreement; or (d) is required to be disclosed by law.

3. **CANMET** reserves the right to use the information contained in the Deliverables for policy formulation, in-house research purposes, and to publish summary and non-confidential announcements with respect to the work. Such announcements shall not be published without written consent of the **CLIENT**, which consent shall not be unreasonably withheld.

4. The **CLIENT** shall pay all approved charges for the work completed within thirty (30) days of the date of issue of the invoice. All cheques and money orders shall be made payable to the **Receiver General for Canada** and sent to Natural Resources Canada as per instructions on each invoice. **CANMET** reserves the right to charge interest on overdue accounts at a rate of three percent (3%) above the prime rate set by the Bank of Canada.

5. The **CLIENT** shall indemnify and save harmless Natural Resources Canada and its employees and agents from and against all claims, demands, losses, costs including lawyers fees, damages, actions, suits or proceedings, that are in any manner based upon, arising out of, or attributable to the use of the Deliverables or any part thereto. **CANMET** shall have the right to defend any such action or proceeding with counsel of its own choosing.

6. The **CLIENT** represents that it has not disclosed or provided to **CANMET** any unauthorised proprietary information, samples or documentation pertaining to the work.

7. It shall be the obligation of the **CLIENT**, at its own expense, to transport required samples, to and from **CANMET**.

8. The **CLIENT** shall not use the name of Natural Resources Canada, **CANMET**, or the names of **CANMET** employees, with respect to the work performed or anything arising therefrom, without prior written consent.

9. Neither party to this Agreement shall be liable to the other for any failure or delay in performance caused by circumstances beyond its control, including but not limited to acts of God, fire, labour difficulties, recognized year 2000 problems or governmental action.

10. This Contract shall be governed and construed in accordance with the Laws of the Province of Ontario and the Laws of Canada as applicable and shall be treated in all respects as an Ontario contract.

11. No member of the House of Commons of Canada shall be admitted to any share or part of this Contract or to any benefit to arise from it.

12. The **CLIENT** and **CANMET** shall attempt to resolve any dispute arising out of or pursuant to this Contract by recourse to the process described in Natural Resources Canada's *Preferred Method of Dispute Resolution - Revenue-Generating Agreements* in order to reduce delays and litigation expenses for both Parties.

File: 18070-02-04

BRITISH COLUMBIA

F vince of British Columbia
Ministry of Energy and Mines
Energy and Minerals Division

Report of Inspector of Mines
(Issued pursuant to Section 15 of the Mines Act)

OCCUPATIONAL HEALTH INSPECTION

NAME OF MINE:	Imasco Plant	LOCALITY:	Sirdar, BC
OWNER OR OPERATOR:	.Imasco Minerals Ltd.	ADDRESS:	Box 55, Sirdar BC V0B 2C0
MANAGER:	Mr. Arnold Rennich	AREAS INSPECTED:	See below

Persons Contacted

MANAGEMENT:	Arnold Rennich
OHS COMMITTEE:	See below
WORKERS:	See below

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union. The mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further, the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response.
In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION REPORT	MANAGER'S RESPONSE OF ACTION TAKEN
Currently there is no specified limit for respirable insoluble dust (not elsewhere classified). However, this is under review.	
Forklift Operator on "Hyster" Forklift, and also working in bagging area. Monitor worn by s.22 Average exposure to respirable particulate.....3.05 mg/m^3 Silica content of particulate.....<0.01 mg/m^{3**}	Not required
Forklift Operator on "Hyster" Forklift, in yard and bagging areas. Monitor worn by s.22 Average exposure to respirable particulate.....1.35 mg/m^3 Silica content of particulate.....<0.01 mg/m^{3**}	
Bagging Machine Operator, bagging dolomite. Monitor worn by s.22 Average exposure to respirable particulate.....2.80 mg/m^3 Silica content of particulate.....<0.01 mg/m^{3**}	

Copies To: R. Berdusco, A. Hoffman, OHSC Co-Chairs

Art Parker
Inspector of Mines

Signature - Inspector

4th Floor, 1810 Blanshard Street, Victoria, B.C. V8W 9N3
Address

Signature - Manager

Date of Inspection: July 12, 1999

Dated: _____, 19____

INSPECTION REPORT	MANAGER'S RESPONSE OF ACTION TAKEN

Area Sample taken mid bagging area inside plant.
Average respirable particulate measured.....1.27 mg/m^3
Silica content of particulate.....<0.01 mg/m^{3**}

**0.01 mg/m^3 indicates the presence of quartz below the detection limit of 0.01 mg.

Plant Operator, working throughout plant, wearing class A hearing protection. Monitor worn by s.22
Average noise exposure:.....monitor failure

T
****

Short-term Respirable Particulate Measurements

The following readings were taken using a DustTrac real time respirable particulate monitor. This monitor has not been approved as a NIOSH monitoring method, and was used here to indicate possible particulate sources.

Warehouse Storage Area.
Average reading: 1.95 mg/m^3
Minimum: 1.54 mg/m^3 Maximum: 2.38 mg/m^3

Loading Calcium Carbonate Bags on Pallet at open door in plant.
Average reading: 3.82 mg/m^3
Minimum: 1.42 mg/m^3 Maximum: 6.48 mg/m^3

Bagging Machine Operator's Position, bagging calcium carbonate.
Average reading: 2.55 mg/m^3
Minimum: 0.811 mg/m^3 Maximum: 6.58 mg/m^3

Warehouse (storage) Building Across from Plant including carpenter's area. No one in area at time of measurement.
Average reading: 0.082 mg/m^3
Minimum: 0.036 mg/m^3 Maximum: 0.299 mg/m^3

Date of Inspection: July 12, 1999 Initials: Inspector Manager

Province of British Columbia
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Mining & Minerals Division

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 13422
File: 18040-02-04
Mine No: 0500284
Permit No:
Emp/Cont: 0 / 0
Orders **H&S:** **RECL:**
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	David Sacks	AREAS INSPECTED	Mine Plant, Maintenance Shop, Welding Shop, Lunch Rooms

Persons Contacted

MANAGEMENT	P. Rodenstein
OHS COMMITTEE	Jason Wall
WORKERS	s.22

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
The inspector was accompanied by Caroline Nakatsuka Inspector of Mines, Occupational Health.	
Fire Extinguishers Fire extinguishers had been checked in August, but the tags were not punched in May, June and July 06. Fire fighting equipment shall be checked on a monthly basis.	
Emergency Eye Wash Stations An eyewash station had been installed on the outside wall of the new change room; however, it was covered with dust and the fluid container was empty. In accordance with Section 2.4.1 (2)(3) eyewash stations shall be installed and maintained. I recommend that they be put on a monthly PM check and that the fluid be topped up after they are used.	
Lumber Storage Lumber and a piece of sheet metal was stored in the rafters	

Al Hoffman
Manager, Occupational Health
7th floor, 1675 Douglas Street Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: August 31, 2006

Dated: _____, 20____

Copies To **Phil Pascuzzi, Garry MacDonald**

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

immediately above the foot of the stairs near the lab. These materials shall be moved as they pose a hazard to workers passing underneath.

Lock-Out During Screen Repair

A screen repair was underway at the time of inspection. Workers were unable to tell the inspectors where the screens were locked out; it was later determined that the screens were not locked out. There appears to be some confusion if this area can be electrically isolated. A locked out switch could not be found in either MCC room. A lock out procedure shall be developed immediately in accordance with Section 4.11.1 of the Code. **The lack of a proper lock out procedure could result in a serious injury or a fatality. A procedure shall be developed immediately.**

Confined Space Entry

At the time of the inspection, two employees were cleaning a bin. They had accessed a storage bin through a hatch in the outside screen room. Both employees were in the bin. One was wearing a safety lanyard, the other was not wearing a fall arrest system. It did not appear that the bin was checked for oxygen deficiency or for the presence of harmful gases. The employees were not aware of a written confined space entry procedure. A spotter was not posted at the bin entranceway. There was no tripod or other rescue equipment nearby to perform an extrication if necessary. The bin was not ventilated. **Clearly, the lack of a formal written confined space entry procedure poses a hazardous situation. The procedure to clean bins between products shall be reviewed.**

In accordance with the Code Section 4.4.1 to 3.4.6 a confined space entry procedure for this and any other confined space work activities shall be developed immediately.

Scrubber Discharge Area

Dust from the scrubber discharge area was falling from a

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
distance of 8' to the ground near the outside moat on the north side of the plant building. The sidepack, a direct reading instrument, indicated dust levels exceeding 8 mg/m3 (TLV for respirable particles not otherwise classified is 3 mg/m3). **Truck Loading Area** A large amount of dust was generated while a truck was being loaded. **Palet Storage** A stack of #0 and # 30 products palets were stored four-high outside the palet storage room. This stack was clearly leaning and posed a hazard. The procedure to store palets shall be reviewed to ensure that they are stable and don't pose a hazard to workers passing by or to the fork lift operator. **Palet Shop** A dust collector shall be installed on the table saw in this area. The amount of sawdust in this area is clearly an inhalation and fire hazard. The fan installed through the wall does not have sufficient capture velocity to capture saw dust and will not collect any dust that is blown outside. This was mentioned on a previous inspection report and shall be completed by Dec. 1, 2006. **Motor Storage Shack** This area needs to be cleaned up. **Maintenance Shop** Housekeeping in this area is very poor. A propane tank on the east wall was not supported or chained in place. Oily rags were stored in a card board box. The parts washing tank had been jacked up on one side. The tank lid requires a fusible link to close the lid in the event of a fire. Waste oil was improperly stored in open containers on the east wall fo the shop.	

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Unused parts and materials should be stored properly as they pose a tripping hazard.
The pedestal grinding wheel did not have a proper exhaust system.

Welding Shop

Housekeeping needs to be improved. Flammable spray cans containing belt dressing, paints and solvents were improperly stored on a wooden shelf. Flammable materials shall be stored in an approved storage cabinet.

Occupational Monitoring Program

As indicated in our previous report, a monitoring program specifically for airborne dust and silica shall be implemented by December 1, 2006. Ministry staff can provide assistance with this program.

Sidepak Dust Results
The sidepak is an electronic direct reading instrument that measures respirable dust concentrations in real time. It is not an approved method because it has to be calibrated with gravimetric sampling results. It does however give a reasonably accurate reading of dust concentrations.

Location	Respirable Dust Concentration mg/m3
Outside office	0.013
picking belt	0.06
wash out room	0.035
top of mill	4.67
outside screening room	0.365
screening room	4.8 - 6.8 (bin hatch open)
fan scrubber discharge	>8

The current TLV for respirable particles not otherwise classified is 3 mg/m3. Clearly, dust levels are very high in the plant under some circumstances.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
Wooden Pedestrian Ramp A loose board was found at the top of the ramp. It is my understanding that plans are in place to replace this ramp with stairs. **Open Hole Conditions** Two covers that were covering sweeping holes were left off in the floor adjacent to the top of the wooden ramp. Workers should be reminded to replace these covers or install barriers while cleaning operations are underway. **Conveyor Pull Cords** The emergency stop cord was disconnected on the conveyor on the 2nd floor of the mill building. **Toilet Facilities** The outdoor male and female facilities were in very poor condition. The male toilet bowl was in pieces on the floor. A broken mirror was hanging from the wall. The female washroom was dirty and was not supplied with paper or soap. Clearly this is unacceptable. I understand that there is one toilet in the plant. The Manager shall review the requirements for male and female washrooms and dry facilities in Sections 2.11.5 to 2.11.11 of the Code and submit a plan to comply with the Code by Dec. 1, 2006. **Workplace Monitoring** Workplace monitoring was conducted by the Ministry during the inspection. Monitoring was conducted from about 9:40am to 3:00pm. The crusher, drill and plant were not running for the duration of sampling. The crusher shut down at approximately 11:30. The monitoring equipment was only worn by the picking belt worker for about 1 hour and 45 minutes which is not representative of their normal dust exposure. The plant was not running during monitoring. The dust results for plant workers are likely lower as a result.	

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Sampled August 31, 2006

Location/Job	**Respirable Dust mg/m3**	**Quartz mg/m3**	**%**
Plant Operator Personal sample s.22	3.89	0.02	0

(monitor worn until ~1:30)
Activities included QC with the water table, loading a product truck with a drop chute.

Plant Operator Personal sample s.22	3.72	0.03	1

Activities included changing screens on the hummer (unusual work), running forklift, sweeping for ~30 min and doing checks. Not as dusty as usual due to plant not running.

Plant Labourer Personal sample s.22	53.32	0.03	0

Spent 3 hours cleaning 2 bins out, rest of time spent bagging product

Picking belt Personal sample s.22	0.34	0.0	0

only worn for ~1 hour and 45 min

8- hour Limit	**3**	**0.1**
12-hour Limit	**2**	**0.067**

The dust results for the plant workers are above the limit for respirable dust. Control measures shall be investigated to lower plant workers' dust exposure. In the interim workers shall wear appropriate, NIOSH approved respiratory protection to lower their exposure.

For the plant operators, half mask air purifying respirators may be adequate. These respirators have an assigned

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
protection factor (APF) of 10. This means that workers exposure when wearing the respirator properly can be thought of as reduced by a factor of 10. For instance the plant operator's dust result is 3.89 mg/m3 indicating that without a respirator his exposure would be about 3.89 mg/m3 of respirable dust. Properly wearing a fitted half mask air purifying respirator with an APF of 10 his exposure would be closer to 0.389 mg/m3. For the plant labourer the dust result is well above the limit at 53.32 mg/m3. Using a respirator with an APF of 10 would not bring the worker's dust exposure within the limit of 3 mg/m3. In order to do so with a respirator would require the use of a respirator with a higher APF. There are several options to do this. They include powered air purifying systems, supplied air systems or using a full face respirator. More detailed information can be obtained from respiratory protection suppliers. The high dust result is likely from the cleaning of bins. This work process shall be reviewed to reduce worker's dust exposure and/or engineering controls investigated. A vacuum system below the bin may be of use to pull the dust down and out of the bin. In the interim workers shall wear appropriate NIOSH approved respiratory protection with an APF of at least 25 when cleaning out bins.	

IMASCO MINERALS INC.
PO BOX 56, 8660 HWY 3A
SIRDAR,BC V0B 2C0

DATE: Nov 9/06

TO: Al Hoffman

FROM: Rodenstein

NUMBER OF PAGES (INCL COVER SHEET) 4

Al

As requested

Pete.

BRITISH COLUMBIA
The Best Place on Earth

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Mining & Minerals Division
Report of Inspector of Mines
(Issued pursuant to Section 15 of the Mines Act)

File: 18040-02-04
Mine No: 0500284
Permit No:
Emp/Cont: 0 / 0
Orders H&S: RECL:
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Mine Plant, Maintenance Shop, Welding Shop, Lunch Rooms

Persons Contacted

MANAGEMENT	P. Rodenstein
OHS COMMITTEE	Jason Wall
WORKERS	s.22

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
The inspector was accompanied by Caroline Nakatsuka Inspector of Mines, Occupational Health.	
Fire Extinguishers Fire extinguishers had been checked in August, but the tags were not punched in May, June and July 06. Fire fighting equipment shall be checked on a monthly basis.	Done.
Emergency Eye Wash Stations An eyewash station had been installed on the outside wall of the new change room; however, it was covered with dust and the fluid container was empty. In accordance with Section 2.4.1 (2)(3) eyewash stations shall be installed and maintained. I recommend that they be put on a monthly PM check and that the fluid be topped up after they are used.	Done. - protected from dust by plastic cover!
Lumber Storage Lumber and a piece of sheet metal was stored in the rafters	

Al Hoffman
Manager, Occupational Health
7th floor, 1675 Douglas Street Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: August 31, 2006

Dated: Nov 1/06 .20 06

Copies To Phil Pascuzzi, Garry MacDonald

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
immediately above the foot of the stairs near the lab. These materials shall be moved as they pose a hazard to workers passing underneath.	Done.
Lock-Out During Screen Repair A screen repair was underway at the time of inspection. Workers were unable to tell the inspectors where the screens were locked out; it was later determined that the screens were not locked out. There appears to be some confusion if this area can be electrically isolated. A locked out switch could not be found in either MCC room. A lock out procedure shall be developed immediately in accordance with Section 4.11.1 of the Code. **The lack of a proper lock out procedure could result in a serious injury or a fatality. A procedure shall be developed immediately.**	Lockout procedure in place. Screen in Question will be fixed to allow it to be locked out. This is the only piece of equipment that could not be locked out
Confined Space Entry At the time of the inspection, two employees were cleaning a bin. They had accessed a storage bin through a hatch in the outside screen room. Both employees were in the bin. One was wearing a safety lanyard, the other was not wearing a fall arrest system. It did not appear that the bin was checked for oxygen deficiency or for the presence of harmful gases. The employees were not aware of a written confined space entry procedure. A spotter was not posted at the bin entranceway. There was no tripod or other rescue equipment nearby to perform an extrication if necessary. The bin was not ventilated. **Clearly, the lack of a formal written confined space entry procedure poses a hazardous situation. The procedure to clean bins between products shall be reviewed.**	Storage bin had open bottom. All employees have been spoken to that only one employee can enter a bin at a time. Longer term plan is to fix bins so entry into bins is not required for cleanup. needs Clarification
In accordance with the Code Section 4.4.1 to 3.4.6 a confined space entry procedure for this and any other confined space work activities shall be developed immediately.	Agreed.
Scrubber Discharge Area Dust from the scrubber discharge area was falling from a	

Date of Inspection: August 31, 2006 Initials: (Inspector) Initials: CR (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
distance of 8' to the ground near the outside moat on the north side of the plant building. The sidepack, a direct reading instrument, indicated dust levels exceeding 8 mg/m3 (TLV for respirable particles not otherwise classified is 3 mg/m3).	
Truck Loading Area A large amount of dust was generated while a truck was being loaded.	
Palet Storage A stack of #0 and # 30 products palets were stored four-high outside the palet storage room. This stack was clearly leaning and posed a hazard. The procedure to store palets shall be reviewed to ensure that they are stable and don't pose a hazard to workers passing by or to the fork lift operator.	The forklift operator immediately restacked the pallets. It is procedure to immediately restack pallets that are leaning too far. This is based on over 30 years of experience
Palet Shop A dust collector shall be installed on the table saw in this area. The amount of sawdust in this area is clearly an inhalation and fire hazard. The fan installed through the wall does not have sufficient capture velocity to capture saw dust and will not collect any dust that is blown outside. This was mentioned on a previous inspection report and shall be completed by Dec. 1, 2006.	A dust collector will be installed.
Motor Storage Shack This area needs to be cleaned up.	Done.
Maintenance Shop Housekeeping in this area is very poor. A propane tank on the east wall was not supported or chained in place. Oily rags were stored in a card board box. The parts washing tank had been jacked up on one side. The tank lid requires a fusible link to close the lid in the event of a fire. Waste oil was improperly stored in open containers on the east wall fo the shop.	Cleanup done.

Date of Inspection: August 31, 2006 Initials: (Inspector) Initials: (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Unused parts and materials should be stored properly as they pose a tripping hazard.
The pedestal grinding wheel did not have a proper exhaust system.

Welding Shop

Housekeeping needs to be improved. Flammable spray cans containing belt dressing, paints and solvents were improperly stored on a wooden shelf. Flammable materials shall be stored in an approved storage cabinet.

Storage Cabinets have been installed.

what kind?

Occupational Monitoring Program

As indicated in our previous report, a monitoring program specifically for airborne dust and silica shall be implemented by December 1, 2006. Ministry staff can provide assistance with this program.

Agreed.

Sidepak Dust Results
The sidepak is an electronic direct reading instrument that measures respirable dust concentrations in real time. It is not an approved method because it has to be calibrated with gravimetric sampling results. It does however give a reasonably accurate reading of dust concentrations.

Location	Respirable Dust Concentration mg/m3
Outside office	0.013
picking belt	0.06
wash out room	0.035
top of mill	4.67
outside screening room	0.365
screening room	4.8 - 6.8 (bin hatch open)
fan scrubber discharge	>8

The current TLV for respirable particles not otherwise classified is 3 mg/m3. Clearly, dust levels are very high in the plant under some circumstances.

Date of Inspection: August 31, 2006 Initials: (Inspector) Initials: PR (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
Wooden Pedestrian Ramp A loose board was found at the top of the ramp. It is my understanding that plans are in place to replace this ramp with stairs.	Repaired
Open Hole Conditions Two covers that were covering sweeping holes were left off in the floor adjacent to the top of the wooden ramp. Workers should be reminded to replace these covers or install barriers while cleaning operations are underway.	Discussed with all employees.
Conveyor Pull Cords The emergency stop cord was disconnected on the conveyor on the 2nd floor of the mill building.	Repaired.
Toilet Facilities The outdoor male and female facilities were in very poor condition. The male toilet bowl was in pieces on the floor. A broken mirror was hanging from the wall. The female washroom was dirty and was not supplied with paper or soap. Clearly this is unacceptable. I understand that there is one toilet in the plant. The Manager shall review the requirements for male and female washrooms and dry facilities in Sections 2.11.5 to 2.11.11 of the Code and submit a plan to comply with the Code by Dec. 1, 2006.	Water supply installed Male toilet facilities being repaired.
Workplace Monitoring Workplace monitoring was conducted by the Ministry during the inspection. Monitoring was conducted from about 9:40am to 3:00pm. The crusher, drill and plant were not running for the duration of sampling. The crusher shut down at approximately 11:30. The monitoring equipment was only worn by the picking belt worker for about 1 hour and 45 minutes which is not representative of their normal dust exposure. The plant was not running during monitoring. The dust results for plant workers are likely lower as a result.	

Date of Inspection: August 31, 2006 Initials: (Inspector) Initials: BR (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN

Sampled August 31, 2006

Location/Job	Respirable Dust mg/m3	Quartz mg/m3	%
Plant Operator Personal sample s.22	3.89	0.02	0

(monitor worn until ~1:30)
Activities included QC with the water table, loading a product truck with a drop chute.

Plant Operator Personal sample s.22	3.72	0.03	1

Activities included changing screens on the hummer (unusual work), running forklift, sweeping for ~30 min and doing checks. Not as dusty as usual due to plant not running.

Plant Labourer Personal sample s.22	53.32	0.03	0

Spent 3 hours cleaning 2 bins out, rest of time spent bagging product

Picking belt Personal sample s.22	0.34	0.0	0

only worn for ~1 hour and 45 min

8- hour Limit	**3**	**0.1**
12-hour Limit	**2**	**0.067**

The dust results for the plant workers are above the limit for respirable dust. Control measures shall be investigated to lower plant workers' dust exposure. In the interim workers shall wear appropriate, NIOSH approved respiratory protection to lower their exposure.

For the plant operators, half mask air purifying respirators may be adequate. These respirators have an assigned

Date of Inspection: August 31, 2006 Initials: [signature] (Inspector) Initials: PR (Manager)

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
protection factor (APF) of 10. This means that workers exposure when wearing the respirator properly can be thought of as reduced by a factor of 10. For instance the plant operator's dust result is 3.89 mg/m3 indicating that without a respirator his exposure would be about 3.89 mg/m3 of respirable dust. Properly wearing a fitted half mask air purifying respirator with an APF of 10 his exposure would be closer to 0.389 mg/m3. For the plant labourer the dust result is well above the limit at 53.32 mg/m3. Using a respirator with an APF of 10 would not bring the worker's dust exposure within the limit of 3 mg/m3. In order to do so with a respirator would require the use of a respirator with a higher APF. There are several options to do this. They include powered air purifying systems, supplied air systems or using a full face respirator. More detailed information can be obtained from respiratory protection suppliers. The high dust result is likely from the cleaning of bins. This work process shall be reviewed to reduce worker's dust exposure and/or engineering controls investigated. A vacuum system below the bin may be of use to pull the dust down and out of the bin. In the interim workers shall wear appropriate NIOSH approved respiratory protection with an APF of at least 25 when cleaning out bins.	

Date of Inspection: August 31, 2006 Initials: (Inspector) Initials: (Manager)

BRITISH COLUMBIA
The Best Place on Earth

Province of British Columbia
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Mining & Mineral Division
Report of Inspector of Mines
(Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.:	**12783.0**
File:	**18040-02-XX**
Mine No.:	**0500284**
Permit No.:	
Emp/Cont:	**0.0 / 0.0**
Orders H&S:	**8.0 RECL: 0.0**
Stop Work:	**0.0**

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Rick Czar	AREAS INSPECTED	Plant site.

Persons Contacted

MANAGEMENT	P. Rodenstein
OHS COMMITTEE	J. Wall
WORKERS	s.22

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
The purpose of this Inspection was two fold, one was to review the plant conditions from a dusty workplace exposure and two was looking at nip points and pull cords on conveyors. The handrail from crusher loader pocket to the crusher control room requires re-bolting to secure the one end of the removable handrail. HSRC 4.1.7 Plant feeder conveyor requires improved guarding at the tail pulley nip point.HSRC 4.4.16 (6) The new compressor room requires the installation of fire extinguishers.HSRC 4.4.10 G25P fork lift has a lot of dust in the cab from muddy boots which becomes airborne.This cab shall be cleaned out on a	

Philip Pascuzzi
Inspector of Mines

2nd floor, 42 - 8th Ave. S. Cranbrook BC V1C 2K3
Address

Date of Inspection: 3/7/2006

Copies To

Signature – Inspector of Mines

Signature – Manager

Dated: _____ , 20 _____

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
more frequent basis.HSRC 2.2.1	
The inside return belt tail pulley has a large hole in the guard that shall be repaired.HSRC 4.4.16(6)	
The stairway from the Stedmond to the dryer shall be cleared of all debris that has slid down the bank onto the staircase.HSRC 4.1.4	
There shall be a lock-out tag incorporated into the IMASCO lock-out procedure.HSRC 4.11.3 (3)	
All the conveyors not reviewed during this inspection shall be inspected by the OHSC to ensure all accessible nip points and pull cords are in place and functioning.	
It was noted that all equipment operators observed were wearing their belts and the rotary lights are in use.	
The Occupational Health and Safety Committee shall review the requirements under HSRC 1.6.8 and 1.6.9 for the IMASCO OHSC.	
The results of the workplace dust exposure inspection will be submitted by Al Hoffman Manager of Occupational Health.	

Date of Inspection 3/7/2006 Initials _____ (Inspector) Initials _____ (Manager)

BRITISH COLUMBIA

Monday, April 03, 2006

File: 18040-02-04
Mine No.: 0500284

March 31, 2006
Mr. Peter Rodenstein
Manager
Imasco Sidar Operation
Box 56
Sirdar, BC V0B 2C0

By Fax: (250) 866-5455

Re: Mine Inspection March 7, 2006
Property: IMASCO - SIRDAR

Enclosed are three copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act. Please forward a copy to the C0-Chair of your OHSC and to the local union representative.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

A silicosis claim is of concern to the Ministry and I am sure to you and your employees. The Ministry will continue to follow up this investigation and can be of assistance in conducting your occupational monitoring program.

I can be reached at (250) 952-0464 or at e-mail Al.Hoffman@gov.bc.ca if you have further questions.

Yours truly,

Al Hoffman, P.Eng.
Manager, Occupational Health

Enclosures 2
C: Phil Pascuzi, Regional Office Cranbrook

Ministry of Energy, Mines and Petroleum Resources Mining & Minerals Division
PO Box 9320, Stn Prov Govt
Victoria, BC V8W 9N3
Telephone:
Facsimile:
7th Floor.
1675 Douglas Street
Victoria

VA06020705 - Finalized

Figure 2

Ministry of Energy, Mines and Petroleum Resc

# of SAMPLES : 14

IMASCO MINE SAMPLES

DATE RECEIVED : 2006-03-14 DATE FINALIZED : 2006-03-22

PROJECT : "Imasco"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE Number		ME-XRF06 SiO2 %	ME-XRF06 Al2O3 %	ME-XRF06 Fe2O3 %	ME-XRF06 CaO %
IM#1	grey granite from mine	65.49	15.28	3.65	3.6
IM#2	picking shack stairs	5.89	1.1	0.7	36.95
IM#3	quartizite sample	97.32	0.6	0.66	0.04
IM#4	mud under picking belt	8.86	1.75	1.04	30.06
IM#5	00 soil conditioner under picking belt	2.57	0.73	0.68	34.53
IM#6	quartzite cow sand	87.79	3.93	1.61	0.94
IM#7	granite cow sand	67.79	14.19	3.52	3.42
IM#8	#2 Dillon screen	1.64	0.3	0.55	34.68
IM#9	Stedman Pad entrance door	6.78	0.81	0.62	30.61
IM#10	Niagra screen room	14.55	2.01	0.89	27.17
IM#11	Inside screening room	14.34	2.79	1.03	26.93
IM#13	settled dust moat	10.44	1.83	0.85	30.56
IM#14	picking belt scrapings	2.14	0.09	0.63	30.08
IM#15	outside screen room	1.56	0.22	0.6	30.91

ɔurces

ME-XRF06 MgO %	ME-XRF06 Na2O %	ME-XRF06 K2O %	ME-XRF06 Cr2O3 %	ME-XRF06 TiO2 %	ME-XRF06 MnO %	ME-XRF06 P2O5 %	ME-XRF06 SrO %	ME-XRF06 BaO %
1.21	2.87	3.59	<0.01	0.42	0.09	0.18	0.09	0.12
11.61	0.11	0.27	<0.01	0.05	0.04	0.1	0.01	0.01
0.09	0.04	0.18	<0.01	0.01	<0.01	0.01	<0.01	<0.01
15.7	0.2	0.41	<0.01	0.06	0.03	0.1	0.01	0.01
16.01	0.01	0.19	<0.01	0.08	0.02	0.08	0.01	0.01
0.64	0.18	0.89	0.01	0.24	0.03	0.04	<0.01	0.02
1.28	3.03	3.17	0.01	0.44	0.09	0.19	0.08	0.1
16.32	<0.01	0.08	<0.01	0.02	0.03	0.1	0.01	<0.01
16.89	0.07	0.22	<0.01	0.05	0.02	0.1	0.01	0.01
15.83	0.3	0.47	0.01	0.06	0.03	0.14	0.01	0.01
14.84	0.41	0.69	<0.01	0.09	0.03	0.1	0.01	0.02
14.61	0.28	0.46	<0.01	0.07	0.03	0.14	0.01	0.01
20.27	<0.01	0.03	<0.01	<0.01	0.02	0.05	<0.01	0.01
19.53	<0.01	0.06	<0.01	<0.01	0.02	0.07	<0.01	<0.01

ME-XRF06 LOI %	ME-XRF06 Total %
1.88	98.46
41.6	98.43
0.08	99.01
40.6	98.83
44	98.92
1.94	98.26
0.86	98.16
44.8	98.5
42.2	98.38
37.2	98.67
37	98.28
39.2	98.5
45.1	98.41
45.5	98.47

BRITISH COLUMBIA

Province of British Columbia
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Mining & Mineral Division
Report of Inspector of Mines
(Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.:	**13311.0**
File:	**18040-02-XX**
Mine No.:	**0500284**
Permit No.:	
Emp/Cont:	**0.0 / 0.0**
Orders H&S:	**9.0 RECL: 0.0**
Stop Work:	**0.0**

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Plant / Crusher /Mine

Persons Contacted

MANAGEMENT	D. Anderson
OHS COMMITTEE	
WORKERS	Operations and maintenance

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
This inspection was in the accompany of Don Anderson and Garry MacDonald (Inspector of Mines Mechanical) -The new compressor building has a MCC located in it.The ambient air temperature inside this room on the date of this inspection was very high due to equipment heating combined with +30 degree Celsius outside temperature. As per 4.2.1 of M421-00 electrical equipment rooms shall be sufficiently ventilated to maintain equipment at safe temperatures.This shall be remedied within 1 month. -The maintenance shop housekeeping both inside(electrical equipment,tires etc)and outside(waste oil storage) was poor. The used oil containers,batteries, scrap etc shall be removed. The area in front of the shop electrical panel is being utilized for tire storage.This area must	

Terry Paterson
Inspector of Mines Electrical

Signature – Inspector of Mines

2nd floor, 42 - 8th Ave. S. Cranbrook BC V1C 2K3
Address

Signature – Manager

Date of Inspection: 15/08/2006

Dated: _____ , 20 _____

Copies To P. Pascuzzi

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
be kept clear as per 2-312 of the CEC.The lighting panel in this area is missing it's cover and there were bare conductors. These deficiencies shall be remedied within 7 days. -Both the small forklifts on site are being utilized outside the confines of the shop and plant (being driven outside on rough terrain).These machines do not have roll over protective structures as required by 4.9.11 of the HSR Code. -The emergency trip wire at the tail end of the landscape dryer needs to be re-established as per 4.4.16 (4). There were guards on equipment and tail pulleys in this area that were missing contrary to 4.4.16 (6) These shall be remedied immediately. -There are 2 manbaskets on site that are utilized with the boom truck. One of the manbaskets has been altered by the addition of angle iron brackets and a lifting device(used as a safety harness). This modification shall conform to 4.5.1 of the HSR code. These manbaskets shall also be non destructively tested as per 4.5.4 of the HSR code. -The emergency trip wire for the rock picking conveyor has a section around the tail end(section coming from the wash screens) on both sides that are missing.The conveyor to the sand screw also is missing emergency trip cords as well as the guarding around the drive and tail pulleys. These shall be replaced as per 4.4.16 (4) and (6) of the HSR code. -The gaurdrails and handrails around the crusher area and rock sorting area need to be designed and modified to meet the requirements of 4.1.7.The walkways are also in need of modification in this area to provide a consistent walking surface devoid of openings and elevation changes. -Some of the columns that are supporting the roof of the rock storage building have been damaged.These shall be inspected and necessary repairs shall be performed within 60 days. -The sand bagging conveyor in the plant requires emergency trip cords installed as per 4.4.16 (4) of the HSR code. -There were no items of deficiency noted at the underground mine during this inspection.	

Date of Inspection 15/08/2006 Initials _____ (Inspector) Initials _____ (Manager)

BRITISH COLUMBIA

Province of British Columbia
MINISTRY OF ENERGY AND MINES
Mining & Minerals Division
Report of Inspector of Mines
(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 12359
File:
Mine No: 0500284
Permit No:
Emp/Cont: 20 / 0
Orders **II&S:** 3 **RECL:**
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Site tour

Persons Contacted

MANAGEMENT	Peter Rodenstein, Don Anderson
OHS COMMITTEE	
WORKERS	various

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
This inspector was accompanied by Micah Carmody, Inspector of Mines, Ergonomics.	
PALLET CONSTRUCTION In the pallet making area the sawdust shall be cleaned up and a dust collection system shall be installed on the saw to reduce the workers' wood dust exposure.	shed cleaned up and collection fan will be lowered.
PULL CORDS In accordance with the HSR Code 4.4.16(4) the outfeed conveyor section outside the rock sorting shed shall have a pull cord to stop the conveyor in an emergency.	Will be done
TOE BOARDS There were a few areas where toeboards shall be installed. They include: the catwalk by the 00 dolomite tank around the big Steadman screen	Items have been added to the maintenance

Caroline Nakatsuka, MSc, BMLSc
Inspector of Mines Occupational Health
PO Box 9320 Stn Prov Govt Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: **September 15, 2005**

Dated: Sept 30 , 2005

Copies To **Phil Pascuzzi, Al Hoffman, Construction & Specialized Workers Union Local 1611**

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
the catwalk around the dryer the catwalk around the primary jaw crusher Toe boards should be approximately 100 mm in height. HANDRAIL Hand rails were discussed during the inspection. The HSR Code 4.1.7 states that handrails shall be installed for flights of stairs that have more than 4 risers. Thus the 3 metal steps at the north end of the moat do not need a handrail. The stairs outside the screening room may need a handrail. WORKPLACE MONITORING PROGRAM The possibility of the mine arranging workplace monitoring for dust was discussed.	backlog. OK.

BRITISH COLUMBIA

Province of British Columbia
MINISTRY OF ENERGY AND MINES
Mining & Minerals Division
Report of Inspector of Mines
(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 12367
File:
Mine No: 0500284
Permit No:
Emp/Cont: 20 / 0
Orders H&S: 1 RECL:
Stop Work:

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	IMASCO Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	Peter Rodenstein	AREAS INSPECTED	Site tour

Persons Contacted

MANAGEMENT	Don Anderson, Peter Rodenstein
OHS COMMITTEE	
WORKERS	s.22

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
This inspector was accompanied by Caroline Nakatsuka, Inspector of Mines, Occupational Hygiene.	
Bagging PALLET ROOM Operators seats for the 'sand bagger' and 'chip bagger' do not provide adequate support for the workers and shall be replaced. This was discussed. Note that this order refers only to the seat (cushion and cover) and not the entire chair.	Parts on order.
Modifications to the above machines that reduce reaching and awkward postures were noted. May the inspector return to take pictures?	OK
MSD-PREVENTION TRAINING The code requirement (1.6.9 (1) (h)) for OHSC members, as a minimum, to be trained in the recognition, evaluation and prevention of adverse health effects resulting in musculo-skeletal disorders was discussed following the inspection. I will be contacting you in the future to arrange a training date and location.	OK

Micah Carmody
Inspector of Mines - Ergonomics
7th Floor - 1675 Douglas Street Victoria BC V8W 9N3
Address

Signature - Inspector of Mines

Signature - Manager

Date of Inspection: **September 15, 2005**

Dated: Sept 30, 20 05

Copies To **Phil Pascuzzi, Al Hoffman**

AH

PAT:

Please make up file for SIRDAR

AR

BRITISH COLUMBIA

October 9, 1996

Mr. A. Rennich, Manager
IMASCO Ltd.
P.O. Box 56
Sirdar, BC
V0B 2C0

Dear Mr. Rennich:

Enclosed is the report for my inspection at your plant on October 5, 1996. Please post a copy per section 30 of the *Health, Safety and Reclamation Code for Mines in B.C.*

Should you or Mr. Anderson have any questions about this report, please don't hesitate to contact me at (250) 952 0500.

Yours very truly,

Art Parker
Inspector of Mines,
Occupational Health

Encls.

Province of British Columbia
nistry of Employment and Invest nt
MINES BRANCH

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

File: 18020-02-07

OCCUPATIONAL HEALTH

Name of Mine: Sirdar Plant

Locality: Sirdar, BC

Owner or Operator: Imasco Ltd.

Address: P.O. Box 56
Sirdar BC V0B 2C0

Manager: Mr. A. Rennich

Areas Inspected: See below

Persons Contacted

Management: Mr. Don Anderson

OHS Committee:

Workers:

A copy has been forwarded to the Joint Occupational Health and Safety Committee and the union. The mine manager shall complete the right hand column noting specific corrective actions taken, or to be taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further, the manager shall post a copy to the bulletin board, to be replaced by a copy of the manager's response.

In this document, "Code" means *Health, Safety and Reclamation Code for Mines in British Columbia.*

Inspection Report	Manager's Response of Action Taken
NOISE MONITORING Note: Noise levels over 85 dBA (average, 8 hours) have been demonstrated to cause permanent hearing loss unless hearing protection is worn, as required by the Code. Bagging Plant: Rock product bagging machine, operator's ear position while operating equipment. Average noise level.....89.5 dBA Bagging machine operator and persons working in the immediate vicinity were not wearing hearing protection. Hearing protection shall be worn in compliance with Tables 2-2 and 2-3 of the Code.	

Copies To: R. Berdusco, P.Eng.; A. Hoffman, P.Eng.; G. MacDonald; E. Taje; OHSC Co-Chairs

Art Parker
Inspector of Mines

Signature - Inspector

4th Floor, 1810 Blanshard St.,
Victoria, BC V8V 1X4
Address

Signature - Manager

Date of Inspection: October 4, 1996

Dated: _____, 19____

Inspection Report	Manager's Response of Action Taken
Bagging Plant - cont'd. Persons in this area were wearing bump caps, not hardhats as required by the Code (1.8.3). Hardhats shall be worn in this area unless a variance is requested from the District Inspector within 30 days of receipt of this report. Rock Sorting Conveyor: Not operating at time of inspection.	

Date of Inspection: October 4, 1996 Initials: _____ _____

Inspector Manager

Natural Resources Canada
Ressources naturelles Canada

CANMET

Mining and Mineral Sciences Laboratories
Sudbury Laboratory
1079 Kelly Lake Road
Sudbury, Ontario, P3E 5P5

Telephone: (705) 670-6766 Fax: (705) 670-6556

Please include the following information when returning filter cassettes:

Results sent to: Caroline Nakatsuka
MINISTRY OF ENERGY AND MINES
MINING DIVISION
PO BOX 9320 STN PROV GOVT
VICTORIA BC V8W 9N3

Bill to:
MINISTRY OF ENERGY AND MINES
MINING DIVISION
PO BOX 9320 STN PROV GOVT
VICTORIA BC V8W 9N3

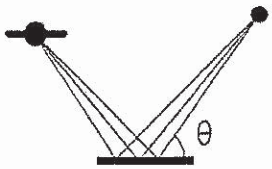
P.O. Number: Imasco

Total Number of samples : 5

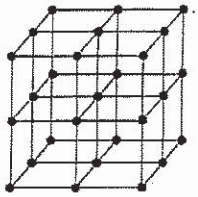
Required				Optional			
Filter #	Analysis Required TRD	Analysis Required RCD	Analysis Required Quartz	Sample Volume (m^3)	Initial Flow L/min	Final Flow L/min	Elapsed Time (min)
15396	☒	☐	☒	0.584	2.727	2.754	213
15388	☒	☐	☒	0.895	2.787	2.790	321
15405	☒	☐	☒	0.606	2.787	2.720	222
15369	☒	☐	☒	0.274	2.728	2.754	100
11815	☒	☐	☒	N/A			
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				
	☐	☐	☐				

Test Report

Natural Resources Canada
Ressources Naturelles Canada



X-RAY DIFFRACTION
Sudbury Laboratory
DIFFRACTION DES RAYONS X
Laboratoire de Sudbury



Client: *BC Government*
Address: *Victoria, BC*
Contact: *Caroline Nakatsuka*
P.O. Number: *SO-000002 - Imasco*

Date Samples Received: **September 11, 2006**
Date Samples Analysed: **September 11, 2006**
Date of Primary Calib. : **June 23, 2006**
Date of Secondary Calib. : **August 16, 2006**

Analysed by: K. Butler

Checked by: Gary Bonnell

Report #: *06-099* **Page(s):** *1 of 1* **Date:** **September 11, 2006**

Sample	Respirable Dust							
	Total		Quartz			RCD		
	(mg)	(mg/m³)	(mg)	(mg/m³)	%	(mg)	(mg/m³)	%
* 11815	-0.02	-	0.00	-	0	-	-	-
15369	0.09	0.34	0.00	0.00	0	-	-	-
** 15388	3.33	3.72	0.03	0.03	1	-	-	-
** 15396	2.27	3.89	0.01	0.02	0	-	-	-
** 15405	32.30	53.32	0.02	0.03	0	-	-	-

NOTE: Flow rate of 2.75 liters/min used to calculate mg/m³.
* Blank
** Strong interference was observed on the 3rd scan interval - 1st 2 scan intervals OK.

Note: < 0.01 indicates the presence of quartz below the detectable limit of 0.01 mg

Project Leader: Gary Bonnell Date: September 11, 2006

CANMET

Canada

TERMS AND CONDITIONS FOR SMALL SERVICE JOBS

These terms and conditions hereunder written apply to the work done and the deliverables obtained from the small service job _____, Project 601254 .

1. **CANMET** has performed the work in a diligent, thorough and workmanlike manner in accordance with good scientific and technical practices. However, **CANMET** makes no representation or warranty respecting the results arising therefrom, either expressly or implied by law or otherwise, including but not limited to implied warranties or conditions of merchantability or fitness for a particular purpose.

2. **CANMET** shall keep confidential and not disclose to third parties the information contained in or regarding the Deliverables for a period of three (3) years from the coming into force of this Agreement, except with the written consent of the **CLIENT** or where the information: (a) is now or hereafter, through no act or failure to act on the part of **CANMET**, becomes generally known or available to the public without breaching this Agreement; (b) is subsequently disclosed to **CANMET** by a third party, and does not include a confidential obligation; (c) is developed by **CANMET** independently of this Agreement; or (d) is required to be disclosed by law.

3. **CANMET** reserves the right to use the information contained in the Deliverables for policy formulation, in-house research purposes, and to publish summary and non-confidential announcements with respect to the work. Such announcements shall not be published without written consent of the **CLIENT**, which consent shall not be unreasonably withheld.

4. The **CLIENT** shall pay all approved charges for the work completed within thirty (30) days of the date of issue of the invoice. All cheques and money orders shall be made payable to the **Receiver General for Canada** and sent to Natural Resources Canada as per instructions on each invoice. **CANMET** reserves the right to charge interest on overdue accounts at a rate of three percent (3%) above the prime rate set by the Bank of Canada.

5. The **CLIENT** shall indemnify and save harmless Natural Resources Canada and its employees and agents from and against all claims, demands, losses, costs including lawyers fees, damages, actions, suits or proceedings, that are in any manner based upon, arising out of, or attributable to the use of the Deliverables or any part thereto. **CANMET** shall have the right to defend any such action or proceeding with counsel of its own choosing.

6. The **CLIENT** represents that it has not disclosed or provided to **CANMET** any unauthorised proprietary information, samples or documentation pertaining to the work.

7. It shall be the obligation of the **CLIENT**, at its own expense, to transport required samples, to and from **CANMET.**

8. The **CLIENT** shall not use the name of Natural Resources Canada, **CANMET**, or the names of **CANMET** employees, with respect to the work performed or anything arising therefrom, without prior written consent.

9. Neither party to this Agreement shall be liable to the other for any failure or delay in performance caused by circumstances beyond its control, including but not limited to acts of God, fire, labour difficulties, recognized year 2000 problems or governmental action.

10. This Contract shall be governed and construed in accordance with the Laws of the Province of Ontario and the Laws of Canada as applicable and shall be treated in all respects as an Ontario contract.

11. No member of the House of Commons of Canada shall be admitted to any share or part of this Contract or to any benefit to arise from it.

12. The **CLIENT** and **CANMET** shall attempt to resolve any dispute arising out of or pursuant to this Contract by recourse to the process described in Natural Resources Canada's *Preferred Method of Dispute Resolution - Revenue-Generating Agreements* in order to reduce delays and litigation expenses for both Parties.

Inspection Report

NAME OF MINE	IMASCO - SIRDAR	LOCALITY	Sirdar
OWNER/OPERATOR	~~Plateau Constuction Ltd~~ Imasco Minerals Inc.	ADDRESS	PO Box 56 Sirdar BC V0B 2C0
MANAGER	David Sacks	AREAS INSPECTED	Plant and Shops

Persons Contacted

MANAGEMENT	R. Czar. D. Anderson
OHS COMMITTEE	J. Wall
WORKERS	

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
SECTION :6.8.3 Traffic Control The manager shall submit a traffic control plan for the Plant and Primary Crushing area which will include a procedure for notifing the Loader Operator of any person or vehicle that are wanting to enter the work area of the Loader. This control plan shall be submittied to this Inspector within Two weeks of receipt of this report.	*TYPE MANAGERS RESPONSE HERE* *Done* *A comprehensive Traffic Control Plan has been established.* *Maps & policy implementation week of March 3.* *Signage is on order* *(See attached).*
SECTION :4.3.8 Fire Protection and Control It was noted for the second time that the fuel storage containment dike at the primary crusher is no longer impervious. This condtion shall be recified with in the next 30 days from the receipt of this report.	*Double walled fuel storage tanks ordered..- 3 - in tanks* *Delivery =2 to 3 weeks* ~~all~~ Walkways To be Completed
SECTION :6.19.2 Logbook to be Maintained The manager shall develop an effective log book system to meet the requirements of this section of the HSRC with in 2 weeks of reciept of this report.	*Logbooks acquired and in use.* Looks OK - Inspect
SECTION :4.1.7(4) At the primary crusher a hand rail was removed to allow access for the back hoe but no detour guards or barricades were in place to prevent works from exposure to falling in the crusher. This hazard is to be corrected immmediatly and a prodecure develop as to what precautions workers are put into place when hand rails have to be removed.	*Done* *Hand rail welded. Chains added to block access when machine is in use.* *Sign erected "Do Not Enter"*
SECTION :4.4.16(4) A pull cord on the sand belt conveyor was broken and unattached while the belt was running. This is not the first time Inspectors have noted broken or disconnected pull cords. This practice has to discontinue immediately. Cords have to be immediately repaired or the area barricaded off the prevent	*Done* *Inspection of all pull cords and associated switches complete.* *Re-inspection every 6 months.* *Pull cords added to walk about checklist.*

entry to the hazardous area.

SECTION :4.1.1 Design and Construction

At the Landscape picking shack to was noted that the down stream carrier roll shall be relocated further away from the work area of the picker.

Done
Roller removed (not needed)

There shall be a full risk evalutaion of the Picker shack and an action plan developed to replace or repair this shack with in 60 days of receipt of this inspection report.

General arrangement for replacement has been formed. This includes improvements to the belt configuration as well as new work areas for personnel.

SECTION :6.10.1(4)

A dump block shall be installed at the feed hopper that will meet the requirements of this section of the HSRC. This block shall be installed within two weeks of reciept of this inspection report.

Done 2 weeks.

SECTION :4.11.3 Locks and Tags

During this inspection a worker was observed breaking rocks in the primary crusher without locking-out the crusher. This is the second time this Inspector has observed persons in shutes or on screens with out the use of lock-out. All employees are to be trained and monitored in the use of the lock-out procrdure. This requirement shall be conducted within 7 days of reciept of this report. Violation of this procedure shall not be tolerated.

Lock out procedure training has been reviewed with all employees and they have been informed that non-compliance is subject to discipline.

Awareness in Lock is good. Human Lockout Tag

SECTION :4.9.14 Tires and Rims

It was noted that vehicles tires are being repaired and mounted and dismounted in the Maintenance shop by a contractor. When asked for the procedure that meets the requirement of this section of the HSRC there is none available. It was also noted that a tire in this shop was mounted on a very baddly damaged rim. This is a violation of the HSRC. So immediately no tire repair shall be conducted on this mine site until the requirements of this section are complied with.

Tire change policy does exist. It is mounted in proximity to the tire change area. It has been reviewed with the contractor who is required to sign off on this policy. Kathy

The tire noted in this report was received with a recently acquired drill. It was not intended for use, rather the unusual size of rubber tire has been salvaged and the rim scrapped.

SECTION :3.6.2 First Aid Supplies 3 of 4

By reveiwing the present level of first aid and the travel time to the nearest hospital, This Inspector orders the First aid requirement be raised to a OFA level 3 with the approiate level of supplies and ETV as perscribed by Worksafe BC.

For most of the year the Sirdar plant has staffing levels that would necessitate an upgrade to Level 2. The drive time to local hospital is just under 20 minutes. Arrangements are being made to train 2 employees as OFA level 2 and upgrade the first aid supplies/ETV re-supply April 14/08.

To be discussed

SECTION :6.8.1 Duty to Keep Plans, Surface

Updated mine plans for the Open pits at Crawfordbay, Sirdar

and Lost Creek shall be submitted to the regional Inspector office within 30 days of reciept of this report.	*Complete except for pillar stability report from Golders Associates. The engineering work including site visit has been done and we should have the written report very soon.*
SECTION :6.3.2 Copy for Inspections Update mine plans meeting, the requirements of this section of the HSRC, for the Underground mines at Crawfordbay and Sirdar shall submitted to the regional Inspectors office within 30 days of reciept of this report.	*As above*
SECTION :4.1.11 Walkways and Vehicle Curbs There were a number of walkways around the Plant that did not meet this requirement . There were narrow uneven walkways and tripping hazards present in most walkways around the outside conveyor system. This rerquirement will be complied with within 30 days of reciept of this report.	*Done* *All walkways have been cleared of tripping hazzards.* *All kick boards at Primary Crusher installed.* *Routine has been established to inspect and maintain walkways around the plant.*
SECTION :4.1.6 Storage of Materials In two cases during this inspection it was noted where material was being stored on stairways. These materials shall be removed immediately and a review done with workers outlining the need to keep syairways free of tripping hazards. This requirement shall be reviewed at the next Crew safety meeting.	*Done.* *Reviewed with crew March 29, 2008*
SECTION :1.11.1 Training During this Inspection a number of workers where asked how they were trained to carry-out the tasks they were being asked to carryout. In all cases the answer was, the training was done with the buddy system, by just working it out on our own or there has been no training at all. Eg: Loader, Boom Truck operartor, Forklift operator, Propane filling etc. The manager shall ensure that workers are adaquately trianed to do their job. This process shall start immedialty and a plan with objectives and dates for completion, shall be submitted to this Inspector within three weeks of reciept of this inspection report.	*A comprehensive Program of manuals has been established and implementation is underway.* *Please see attachments.* *3 employees under went training on forklift.* *Scheduled training March 18 & 19 includes forklift (for others), boom truck, hoisting / rigging.* *Setting up programs for loader, backhoe and dump truck.*
SECTION :1.11.2 Training There appears to be very few records of employee training at this mine site. The manager shall develop a training record system to meet the requirement of this section of the HSRC for both Workers and Supervions. This record system shall be implimented along with the employee job training program.	*Please see attachments* *All training will be documented OHS Manual and in employee files.* *Copies can be provide on request.* *during next Inspection.*
SECTION: 1.9.1 (1)&(2) Workplace Conditions It has been identified for a number of years now that this Plant site has an ongoing problem with dust control and worker exposure to dust. The HSRC requires the Manager take all	*Development of Workplace Monitoring Program is underway. Caroline Nakatsuka visited the site the week of Mar 3rd. reviewed the process and sampling procedures. A monitoring*

reasonable and practicable measures to ensure that the workplace is free of potentially hazardous agents. Where practicable institute controls at the sourse to ensure works are not exposed to hazards in excess of the prescribed limits in the code.

It is recognized that some improvements have been made but fall short of protecting the workers from this hazard exposure. There was an order from August 31, 2006, to develop a workplace monitoring specifically for airbone dust and silica by December 01, 2006. Todate this order has not been implimented. This continued non-compliance behaviour shall not continue.

The Manager shall within 30 days of reciept of this report develop a workplace monitoring program as required by the HSRC.

Also the Manager shall within 60 days of reciept of this report develop an acceptable action plan to address control measures, at the source, of workplace hazards to reduce them to the lowest level practicable and submit this plan to the regional Inspector of Mines.

program is being built(in the OHS manual) that will address the needs of our site and will start sampling once a week till we find out our base levels. Additional equipment will be rented when we are on quartzite or granite we will be able to get samples from all areas workers are working. We will review these findings and plan from the worst case senario.

We will still be going forward with our plans to improve the overall dust handling equipment. This will be dependant on the feedback we get from the engineers and Allied Blower. We will keep you updated on the progress with the monitoring program and engineering results.