

LETTER OF TRANSMITTAL

This letter should accompany your completed 1993 Reporting Form.

Mr. Ron Solman
Chief
Pollution Data Analysis Division
Regulatory Affairs and Program Integration Branch
Department of the Environment
Ottawa, Ontario
K1A 0H3

Dear Mr. Solman:

Attached is the report to the 1993 National Pollutant Release Inventory for (facility name) ROYAL OAK MINES INC GIANT MINE as required by the Notice in the March 27, 1993 Canada Gazette.

I, the undersigned, as executive contact, hereby release the information contained on the Reporting Form for use by Environment Canada. I am aware that the information being submitted will be available to the public, except for data where confidentiality has been specifically requested by signing the Request for Confidentiality form.

DAVID ANTHONY
(Please type/print)
NAME

MANAGER - ENVIRONMENTAL SERVICES
(Please type/print)
TITLE

David Anthony
SIGNATURE

July 25 1995
DATE

(Date should be identical to the date that appears on the completed reporting form)

{This completed statement must accompany your report to the 1994 National Pollutant Release Inventory}

STATEMENT OF CERTIFICATION

I hereby certify that I have reviewed the attached documents, and that I exercised due diligence to ensure that the submitted information is true and complete and that the amounts and values are accurate, based on reasonable estimates using available data.

ROYAL OAK MINES INC

FACILITY / COMPANY NAME

DAVID ANTHONY

(please type/print)
NAME

MANAGER - ENVIRONMENTAL SERVICE

(please type/print)
TITLE


SIGNATURE

July 25 1995
DATE

403 873 6301

TELEPHONE

403 873 2980

FACSIMILE

Date : 95.07.25

Detailed Facility & Substances Listing

Facilities Sorted by :Year & Facility Name

List Years : 1993 - 1993

List Facilities : { Top of File } - { Bottom of File }

Detailed Facility & Substances Listing

Year: 1993 Facility: Royal Oak Giant Mine Province: NT

A6.1	Street Address	(1)	: NA
A6.2		(2)	:
A6.3	City		:
A6.4	Prov / Territory Code		:
A6.5	Postal Code		:

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART A - FACILITY IDENTIFICATION

=====

Year: 1993 Facility: Royal Oak Giant Mine Province: NT

=====

A7.0 FACILITY LOCATION

A7.1 Latitude : 80°00'00" Degrees° Minutes' Seconds"

A7.2 Longitude : 100°00'00" Degrees° Minutes' Seconds"

A7.3 UTM Zone : 0

A7.4 UTM Northing : 0.00

A7.5 UTM Easting : 0.00

A8.0 SIC CODES

A8.1 Canadian SIC Code(s) : 0611 / NA

A8.2 U.S. SIC Code(s) : 1041 / NA

A9.0 OTHER IDENTIFIERS

A9.1 DSL ID # : NA

A9.2 Other Environmental ? [N] Y / N
Reporting

A10.0 Do you release to any streams
or water bodies ? [Y] Y / N

Code Stream or Water Body Name

A Baker Creek

A11.0 Do you send any waste to an off-site facility or municipal sewage
treatment plant ? [N] Y / N

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART A - FACILITY IDENTIFICATION

=====

Year: 1993 Facility: Royal Oak Giant Mine Province: NT

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A12.0 COMPANY INFORMATION Is the company name different from
the facility name? [N] Y / N

A12.1 Company Name : NA

A12.2 Street Address (1) :

A12.3 (2) :

A12.4 City :

A12.5 Prov / Territory Code :

A12.6 Postal Code :

A12.7 State Code :

A12.8 Country :

A12.9 Zip Code or Other :

A13.0 PARENT COMPANY INFORMATION Is this facility controlled
by another company? [N] Y / N

A13.1 Parent Company Name : NA

A13.2 Street Address (1) :

A13.3 (2) :

A13.4 City :

A13.5 Prov / Territory Code :

A13.6 Postal Code :

A13.7 State Code :

A13.8 Country :

A13.9 Zip Code or Other :

A14.0 APPROVAL FOR RELEASE TO ENVIRONMENT CANADA

A14.1 Executive Contact Name: David Anthony

A14.2 Position : Manager-Environmental Services

A14.3 Date : 95/07/25

2 SUBSTANCES HAVE BEEN ENTERED FOR THIS FACILITY.

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 1 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Arsenic (and its Compounds)

=====

B1.0 SUBSTANCE IDENTITY

B1.1 CAS Registry Number : NA

B1.2 Substance Name : Arsenic (and its Compounds)

B1.3 Is this substance information confidential ? [N] Y / N

B2.0 UTILIZATION OF THE SUBSTANCE AT THE FACILITY (Mark choice with a 'Y')

B2.1 Manufacture the Substance:

a) [Y]	Produce
b) []	Import
c) []	For On-Site Use/Processing
d) []	For Sale/Distribution
e) [Y]	As a Byproduct
f) []	As an Impurity

B2.2 Process the Substance:

a) []	As a Reactant
b) []	As a Formulation Component
c) []	As an Article Component
d) []	Repacking Only

B2.3 Otherwise Use:

a) []	As a Chemical Processing Aid
b) []	As a Manufacturing Aid
c) []	Ancillary / Other Use

B3.0 (Reserved for future use.)

B4.0 ARE YOUR TOTAL ON-SITE RELEASES LESS THAN ONE TONNE? [N] Y / N

B5.0 ON-SITE RELEASES OF THE SUBSTANCE TO THE ENVIRONMENT

	Basis of Estimate	Quantity Code	Releases (Tonnes)
B5.1 Air Releases			
a) Stack / Point	M	NA	3.000
b) Storage / Handling	NA		0.000
c) Fugitive	NA		0.000
d) Spills	NA		0.000
e) Other Non-Point	NA		0.000

18 1b/day
x 365
days/yr
as per
P. MacIntyre

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 1 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Arsenic (and its Compounds)

=====

B5.2 Underground Injections M NA 3,800.000
(On Site)

B5.3 Releases to Surface Waters

a) Direct Discharges	M	C	0.630
b) Spills	NA		0.000
c) Leaks	NA		0.000

*4200 tons/yr. as
per P. MacIntyre*

d) Do you release to any streams or water bodies? [N] Y / N

B5.4 Releases to Land

a) Landfill	NA	0.000
b) Landfarm	NA	0.000
c) Spills	NA	0.000
d) Leaks	NA	0.000
e) Other	NA	0.000

B5.5 Total Releases NA 3,803.630

B6.0 SEASONAL BREAKDOWN OF RELEASES BY PERCENTAGE IN EACH QUARTER

(Jan-Mar)	(Apr-Jun)	(Jul-Sep)	(Oct-Dec)
25	25	25	25

B7.0 PROGRESS IN REDUCTION OF RELEASES (Tonnes)

B7.1 Releases in 1993 : 3,803.630 (Total from B5.5)

B7.2 Releases in 1992 : Not Applicable (-1 = Not Applicable)

B7.3 Reasons for Changes in Quantities Released

a) []	Changes of Production Levels	(Mark choice
b) []	Changes in Estimation Methods	with a 'Y')
c) []	Other	
d) [Y]	No Significant Change	
e) [N]	Comments	Y / N

B8.0 ANTICIPATED RELEASES (Tonnes) (-1 = Not Applicable)

(1994)	(1995)	(1996)
3,803.630	3,803.630	3,803.630

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 1 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Arsenic (and its Compounds)

=====

B9.0 TRANSFERS OF THE SUBSTANCE IN WASTE TO OFF-SITE LOCATIONS

B9.1 Total Quantity of Substance Transferred : 0.000

	Fate of the Substance	Percent	Tonnes	Off-Site Locations
B9.2	Recovery/Reuse/Recycle			
	a) Material Recovery/Recycle	0	0.000	
	b) Burning/Energy Recovery	0	0.000	
B9.3	Destruction			
	a) Incineration	0	0.000	
	b) Bio-oxidation	0	0.000	
B9.4	Municipal Sewage Treatment Plants	0	0.000	
B9.5	Containment			
	a) Landfill	0	0.000	
	b) Underground Injection	0	0.000	
	c) Other Storage	0	0.000	

=====

Totals : 0 0.000

B10.0 PROGRESS IN REDUCTION OF TRANSFERS (Tonnes)

B10.1 Transfers in 1993 : 0.000 (Total from B9.1)

B10.2 Transfers in 1992 : Not Applicable (-1 = Not Applicable)

B10.3 Reasons for Changes in Quantities Transferred

a) []	Changes in Production Levels	(Mark choice
b) []	Changes in Estimation Methods	with a 'Y')
c) []	Other	
d) [Y]	No Significant Change	
e) [N]	Comments	Y / N

B11.0 ANTICIPATED TRANSFERS (Tonnes) (-1 = Not Applicable)

(1994)	(1995)	(1996)
0.000	0.000	0.000

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 2 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Cyanides (ionic)

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B1.0 SUBSTANCE IDENTITY

B1.1 CAS Registry Number : NA

B1.2 Substance Name : Cyanides (ionic)

B1.3 Is this substance information confidential ? [N] Y / N

B2.0 UTILIZATION OF THE SUBSTANCE AT THE FACILITY (Mark choice with a 'Y')

B2.1 Manufacture the Substance:

a) []	Produce
b) []	Import
c) []	For On-Site Use/Processing
d) []	For Sale/Distribution
e) []	As a Byproduct
f) []	As an Impurity

B2.2 Process the Substance:

a) [Y]	As a Reactant
b) []	As a Formulation Component
c) []	As an Article Component
d) []	Repacking Only

B2.3 Otherwise Use:

a) []	As a Chemical Processing Aid
b) []	As a Manufacturing Aid
c) []	Ancillary / Other Use

B3.0 (Reserved for future use.)

B4.0 ARE YOUR TOTAL ON-SITE RELEASES LESS THAN ONE TONNE? [Y] Y / N

B5.0 ON-SITE RELEASES OF THE SUBSTANCE TO THE ENVIRONMENT

	Basis of Estimate	Quantity Code	Releases (Tonnes)
B5.1 Air Releases			
a) Stack / Point	NA		0.000
b) Storage / Handling	NA		0.000
c) Fugitive	NA		0.000
d) Spills	NA		0.000
e) Other Non-Point	NA		0.000

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 2 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Cyanides (ionic)

=====

B5.2	Underground Injections (On Site)	NA	0.000
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B5.3	Releases to Surface Waters		
	a) Direct Discharges	NA	0.000
	b) Spills	NA	0.000
	c) Leaks	NA	0.000

	d) Do you release to any streams or water bodies? [N]	Y / N
--	-------------------------------------------------------	-------

B5.4	Releases to Land		
	a) Landfill	NA	0.000
	b) Landfarm	NA	0.000
	c) Spills	NA	0.000
	d) Leaks	NA	0.000
	e) Other	NA	0.000

B5.5	Total Releases	C	A	0.130
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B6.0 SEASONAL BREAKDOWN OF RELEASES BY PERCENTAGE IN EACH QUARTER

(Jan-Mar)	(Apr-Jun)	(Jul-Sep)	(Oct-Dec)
0	30	60	10

B7.0 PROGRESS IN REDUCTION OF RELEASES (Tonnes)

B7.1	Releases in 1993	:	0.130	(Total from B5.5)
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B7.2	Releases in 1992	:	Not Applicable	(-1 = Not Applicable)
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B7.3 Reasons for Changes in Quantities Released

a) []	Changes of Production Levels	(Mark choice
b) []	Changes in Estimation Methods	with a 'Y')
c) []	Other	
d) [Y]	No Significant Change	
e) [N]	Comments	Y / N

B8.0 ANTICIPATED RELEASES (Tonnes) (-1 = Not Applicable)

(1994)	(1995)	(1996)
0.130	0.130	0.130

Date : 95.07.25

Detailed Facility & Substances Listing

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PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 2 of 2

Year: 1993 Facility: Royal Oak Giant Mine

Province: NT

CASRN / Name: NA / Cyanides (ionic)

=====

B9.0 TRANSFERS OF THE SUBSTANCE IN WASTE TO OFF-SITE LOCATIONS

B9.1 Total Quantity of Substance Transferred : 0.000

	Fate of the Substance	Percent	Tonnes	Off-Site Locations
B9.2	Recovery/Reuse/Recycle			
	a) Material Recovery/Recycle	0	0.000	
	b) Burning/Energy Recovery	0	0.000	
B9.3	Destruction			
	a) Incineration	0	0.000	
	b) Bio-oxidation	0	0.000	
B9.4	Municipal Sewage Treatment Plants	0	0.000	
B9.5	Containment			
	a) Landfill	0	0.000	
	b) Underground Injection	0	0.000	
	c) Other Storage	0	0.000	

=====

Totals : 0 0.000

B10.0 PROGRESS IN REDUCTION OF TRANSFERS (Tonnes)

B10.1 Transfers in 1993 : 0.000 (Total from B9.1)

B10.2 Transfers in 1992 : Not Applicable (-1 = Not Applicable)

B10.3 Reasons for Changes in Quantities Transferred

a) []	Changes in Production Levels	(Mark choice
b) []	Changes in Estimation Methods	with a 'Y')
c) []	Other	
d) [Y]	No Significant Change	
e) [N]	Comments Y / N	

B11.0 ANTICIPATED TRANSFERS (Tonnes) (-1 = Not Applicable)

(1994)	(1995)	(1996)
0.000	0.000	0.000

Date : 95.07.25

Detailed Facility & Substances Listing

Facilities Sorted by : Year & Facility Name

List Reporting Years	: 1994	- 1994
List Facility Names	: ROYAL OAK MINES	- ROYAL OAK MINES
List NPRI ID	:	-

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

=====
PART A - FACILITY IDENTIFICATION
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Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant
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A1.0 Reporting Status : [N] New / Update
A1.1 NPRI ID : 9000000001 Reporting Year : 1994

A2.0 FACILITY IDENTIFICATION & SITE ADDRESS

A2.1 Facility Name : Royal Oak Mines Inc, Giant Mine

A2.2 Street Address (1) : PO Bag 3000

A2.3 (2)

A2.4 (3)

A2.5 City : Yellowknife

A2.6 Prov / Territory Code : NT Postal Code : K1A-2M2

A3.0 Full-Time Employees : 350 (or Equivalent)

A4.0 FACILITY PUBLIC CONTACT

A4.1 Name : David Anthony

A4.2 Telephone No. : (403) 873-6301 Ext : 136

A4.4 Facsimile No. : (403) 873-2914

A5.0 FACILITY TECHNICAL CONTACT

A5.1 Name : David Anthony

A5.2 Position : Manager-Environmental Services

A5.3 Telephone No. : (403) 873-6301 Ext : 136

A5.5 Facsimile No. : (403) 873-2914

A6.0 FACILITY TECHNICAL Is the mailing address for the technical
CONTACT ADDRESS contact in A5.0 different from the
 facility's mailing address ? [N] Y / N

A6.1 Address (1) : NA

A6.2 (2)

A6.3 (3)

A6.4 City :

A6.5 Prov / Territory Code : Postal Code : -

A6.7 State Code :

A6.8 Country :

A6.9 Zip Code or Other :

A7.0 COMPANY COORDINATOR Would you like to have information
 sent to a central contact ? [Y] Y / N

A7.1 Name : David Anthony

A7.2 Position : Manager-Environmental Services

A7.3 Telephone No. : (403) 873-6301 Ext : 136

A7.5 Facsimile No. : (403) 873-2914

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART A - FACILITY IDENTIFICATION

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Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

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A8.0 COMPANY COORDINATOR Is the mailing address for the company
ADDRESS coordinator in A7.0 different from the
facility's mailing address ? [N] Y / N

A8.1 Address (1) : NA

A8.2 (2)

A8.3 (3)

A8.4 City :

A8.5 Prov / Territory Code : Postal Code : -

A8.7 State Code :

A8.8 Country :

A8.9 Zip Code or Other :

A7.0 FACILITY LOCATION

A7.1 Latitude : 80°00'00" Degrees° Minutes' Seconds"

A7.2 Longitude : 100°00'00" Degrees° Minutes' Seconds"

A7.3 UTM Zone : 0

A7.4 UTM Northing : 0 Metres

A7.5 UTM Easting : 0 Metres

A10.0 STANDARD INDUSTRIAL CLASSIFICATION CODE (SIC)

A10.1 Canadian SIC Code : 0611 - Gold Mines

A10.2 U.S. SIC Code : 1041 - Gold Ores

A11.0 PARENT COMPANY INFORMATION

A11.1 Is the facility controlled by another company
or companies ? [N] Y / N

0 Parent Companies Listed

A12.0 Do you report under other (Optional)
environmental regulations
or permits ? [Y] Y / N

ID Number Government Department, Agency, or Program Name
N112-0043 - NWT Water Licence

A13.0 Do you send waste containing NPRI substances, for which you
are reporting, to an off-site facility or municipal sewage
treatment plant OR do you send NPRI substances, for which
you are reporting, for recovery/re-use/recycling to an
off-site facility ? [N] Y / N

The list of Off-site Facilities & MSTP's are listed separately.

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

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PART A - FACILITY IDENTIFICATION

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Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

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A14.0 Do you release any NPRI substances, for which you are reporting,
 to surface waters ? [Y] Y / N

 The list of surface water bodies are listed separately.

A15.0 Comments (Facility) : [N] Y / N

A16.0 CERTIFIED BY

A16.1 Executive Contact Name: David Anthony

A16.2 Position : Manager-Environmental Services

A17.0 ADDRESS OF EXECUTIVE Is the mailing address for the executive
 contact in A16.0 different from the
 facility's mailing address ? [N] Y / N

A17.1 Company Name : NA

A17.2 Address (1) :

A17.3 (2)

A17.4 (3)

A17.5 City :

A17.6 Prov / Territory Code : Postal Code : -

A17.8 State Code :

A17.9 Country :

A17.10 Zip Code or Other :

2 SUBSTANCES HAVE BEEN ENTERED FOR THIS FACILITY.

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

=====

Substance: 1 o. 2

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

CASRN / Name: NA / Arsenic (and its compounds)

=====

B1.0 SUBSTANCE IDENTITY

B1.1 CAS Registry Number : NA

B1.2 Substance Name : Arsenic (and its compounds)

B1.3 Are you requesting confidential treatment for some or part of the information in this section consistent with the criteria outlined in the Access to Information Act ? [N] Y / N

B2.0 NATURE OF ACTIVITIES Mark choice with a 'Y')

B2.1 Manufacture the Substance:

a) [Y]	For On-Site Use / Processing
b) []	For Sale / Distribution
c) [Y]	As a Byproduct
d) []	As an Impurity

B2.2 Process the Substance:

a) []	As a Reactant
b) []	As a Formulation Component
c) []	As an Article Component
d) []	Repackaging Only

B2.3 Otherwise Use the Substance:

a) []	As a Chemical Processing Aid
b) []	As a Manufacturing Aid
c) []	Ancillary / Other Use

B3.0 DO YOU RELEASE THIS SUBSTANCE ON-SITE ? [Y] Y / N

B4.0 IF TOTAL RELEASES ARE LESS THAN ONE (1) TONNE, ARE YOU REPORTING THIS AMOUNT AS A SUM FOR ALL MEDIA ? [N] Y / N

B5.0 ON-SITE RELEASES OF THE SUBSTANCE TO THE ENVIRONMENT

	Basis of Estimate	Quantity Code	Releases (Tonnes)
B5.1 Air Releases			
a) Stack / Point	M	NA	3.000
b) Storage / Handling	NA		0.000
c) Fugitive	NA		0.000
d) Spills	NA		0.000
e) Other Non-Point	NA		0.000
B5.2 Underground Injection	M	NA	3,800.000

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

PART B - SUBSTANCE SPECIFIC INFORMATION

Substance: 1 of 2

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

CASRN / Name: NA / Arsenic (and its compounds)

B5.3	Releases to Surface Waters			Water Codes
	a) Direct Discharges	M	C	0.630 A
	b) Spills	NA		0.000 []
	c) Leaks	NA		0.000 []

B5.4	Releases to Land		
	a) Landfill	NA	0.000
	b) Land Treatment	NA	0.000
	c) Spills	NA	0.000
	d) Leaks	NA	0.000
	e) Other	NA	0.000

B5.5	Total Releases	NA	3,803.630
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B6.0 YEARLY BREAKDOWN OF RELEASES BY PERCENTAGE IN EACH QUARTER

(Jan-Mar)	(Apr-Jun)	(Jul-Sep)	(Oct-Dec)
25	25	25	25

B7.0 CHANGES IN REPORTED RELEASES FROM PREVIOUS YEAR (Tonnes)

B7.1 Releases in 1994 : 3,803.630 (Total from B5.5)

B7.2 Reasons for Changes in Quantities Released From Previous Year

a) []	Changes of Production Levels	
b) []	Changes in Estimation Methods	
c) []	Other	(Mark choice with a 'Y')
d) [Y]	No Significant Change	
e) []	Not Applicable (First Year Reporting)	

B7.3 Comments (Releases) : [N] Y / N

B8.0 ANTICIPATED RELEASES (Tonnes) (-1 = Not Applicable)

1995: 3,803.630	1996: 3,803.630	1997: 3,803.630
1998: Not Applicable	1999: Not Applicable	1998-99 are Optional

B9.0 RECOVERY, RE-USE OR RECYCLE TO OFF-SITE LOCATIONS (All Fields Optional) (Tonnes) Off-site Locations

B9.1	Recovery / Re-use / Recycle	0.000 []
B9.2	Energy Recovery	0.000 []

B9.3 Anticipated 3 'R's (Tonnes) (-1 = Not Applicable)

1995: Not Applicable	1996: Not Applicable	1997: Not Applicable
1998: Not Applicable	1999: Not Applicable	

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

PART A - FACILITY IDENTIFICATION

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

B9.4 Comments (3 'R's) : [N] Y / N

B10.0 TRANSFERS OF THE SUBSTANCE IN WASTE TO OFF-SITE LOCATIONS

B10.1 Do You Transfer this NPRI Substance in Waste Off-site for Final Disposal ? [N] Y / N

B10.2 Total Quantity of Substance Transferred : 0.000

B10.3 Comments (Off-sites) : [N] Y / N

B10.4 Disposal Method	Percent of B10.2	Part of B10.2 (Tonnes)	Off-site Locations
a) Physical Treatment	0	0.000	[]
b) Chemical Treatment	0	0.000	[]
c) Biological Treatment	0	0.000	[]
d) Incineration / Thermal	0	0.000	[]
e) Containment			
i) Landfill	0	0.000	[]
ii) Other Storage	0	0.000	[]
f) Municipal Sewage Treatment Plants	0	0.000	[]
g) Underground Injection	0	0.000	[]
Totals :	0	0.000	

B11.0 CHANGES IN REPORTED TRANSFERS FROM PREVIOUS YEAR (Tonnes)

B11.1 Transfers in 1994 : 0.000 (Total from B10.2)

B11.2 CHANGES IN REPORTED TRANSFERS FROM PREVIOUS YEAR

- a) [] Changes in Production Levels
 - b) [] Changes in Estimation Methods
 - c) [] Other
 - d) [Y] No Significant Change
 - e) [] Not Applicable (First Year Reporting)
- (Mark choice with a 'Y')

B11.3 Comments (Transfers) : [N] Y / N

B12.0 ANTICIPATED TRANSFERS (Tonnes) (-1 = Not Applicable)

1995:	0.000	1996:	0.000	1997:	0.000
1998:	0.000	1999:	0.000	1998-99 are Optional	

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

=====

PART B - SUBSTANCE SPECIFIC INFORMATION

Substance: 2 of

=====

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

CASRN / Name: NA / Cyanides (ionic)

=====

B1.0 SUBSTANCE IDENTITY

B1.1 CAS Registry Number : NA

B1.2 Substance Name : Cyanides (ionic)

B1.3 Are you requesting confidential treatment for some or part of the information in this section consistent with the criteria outlined in the Access to Information Act ? [N] Y / N

B2.0 NATURE OF ACTIVITIES (Mark choice with a 'Y')

B2.1 Manufacture the Substance:

- a) ☐ For On-Site Use : Processing
- b) ☐ For Sale / Distribution
- c) ☐ As a Byproduct
- d) ☐ As an Impurity

B2.2 Process the Substance:

- a) ☒ As a Reactant
- b) ☐ As a Formulation Component
- c) ☐ As an Article Component
- d) ☐ Repackaging Only

B2.3 Otherwise Use the Substance:

- a) ☐ As a Chemical Processing Aid
- b) ☐ As a Manufacturing Aid
- c) ☐ Ancillary / Other Use

B3.0 DO YOU RELEASE THIS SUBSTANCE ON-SITE ? [Y] Y / N

B4.0 IF TOTAL RELEASES ARE LESS THAN ONE (1) TONNE, ARE YOU REPORTING THIS AMOUNT AS A SUM FOR ALL MEDIA ? [Y] Y / N

B5.0 ON-SITE RELEASES OF THE SUBSTANCE TO THE ENVIRONMENT

	Basis of Estimate	Quantity Code	Releases (Tonnes)
B5.1 Air Releases			
a) Stack / Point	NA		0.000
b) Storage / Handling	NA		0.000
c) Fugitive	NA		0.000
d) Spills	NA		0.000
e) Other Non-Point	NA		0.000
B5.2 Underground Injection	NA		0.000

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

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PART B - SUBSTANCE SPECIFIC INFORMATION

Substance: 2 o: 2

=====

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant

CASRN / Name: NA / Cyanides (ionic)

=====

B5.3	Releases to Surface Waters		Water Codes
a)	Direct Discharges	NA	0.000 []
b)	Spills	NA	0.000 []
c)	Leaks	NA	0.000 []

B5.4	Releases to Land		
a)	Landfill	NA	0.000
b)	Land Treatment	NA	0.000
c)	Spills	NA	0.000
d)	Leaks	NA	0.000
e)	Other	NA	0.000

B5.5	Total Releases	C	A	=====
				0.130

B6.0 YEARLY BREAKDOWN OF RELEASES BY PERCENTAGE IN EACH QUARTER

(Jan-Mar)	(Apr-Jun)	(Jul-Sep)	(Oct-Dec)
0	30	60	10

B7.0 CHANGES IN REPORTED RELEASES FROM PREVIOUS YEAR (Tonnes)

B7.1 Releases in 1994 : 0.130 (Total from B5.5)

B7.2 Reasons for Changes in Quantities Released From Previous Year

a)	[]	Changes of Production Levels	
b)	[]	Changes in Estimation Methods	
c)	[]	Other	(Mark choice
d)	[Y]	No Significant Change	with a 'Y')
e)	[]	Not Applicable (First Year Reporting)	

B7.3 Comments (Releases) : [N] Y / N

B8.0 ANTICIPATED RELEASES (Tonnes) (-1 = Not Applicable)

1995:	0.130	1996:	0.130	1997:	0.130
1998:	Not Applicable	1999:	Not Applicable	1998-99	are Optional

B9.0	RECOVERY, RE-USE OR RECYCLE TO OFF-SITE LOCATIONS	(All Fields Optional)
		(Tonnes) Off-site Locations

B9.1 Recovery / Re-use / Recycle 0.000 []

B9.2 Energy Recovery 0.000 []

B9.3 Anticipated 3 'R's (Tonnes) (-1 = Not Applicable)

1995:	Not Applicable	1996:	Not Applicable	1997:	Not Applicable
1998:	Not Applicable	1999:	Not Applicable		

NPRI - National Pollutant Release Inventory

Date : 95.07.25

Detailed Facility & Substances Listing

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PART A - FACILITY IDENTIFICATION
=====

Year: 1994 NPRI ID: 9000000001 Facility: Royal Oak Mines Inc, Giant
=====

B9.4 Comments (3 'R's) : [N] Y / N

B10.0 TRANSFERS OF THE SUBSTANCE IN WASTE TO OFF-SITE LOCATIONS

B10.1 Do You Transfer this NPRI Substance in Waste
Off-site for Final Disposal ? [N] Y / N

B10.2 Total Quantity of Substance Transferred : 0.000

B10.3 Comments (Off-sites) : [N] Y / N

B10.4 Disposal Method	Percent of B10.2	Part of B10.2 (Tonnes)	Off-site Locations
a) Physical Treatment	0	0.000	[]
b) Chemical Treatment	0	0.000	[]
c) Biological Treatment	0	0.000	[]
d) Incineration / Thermal	0	0.000	[]
e) Containment			
i) Landfill	0	0.000	[]
ii) Other Storage	0	0.000	[]
f) Municipal Sewage Treatment Plants	0	0.000	[]
g) Underground Injection	0	0.000	[]

Totals :	0	0.000	
=====			

B11.0 CHANGES IN REPORTED TRANSFERS FROM PREVIOUS YEAR (Tonnes)

B11.1 Transfers in 1994 : 0.000 (Total from B10.2)

B11.2 CHANGES IN REPORTED TRANSFERS FROM PREVIOUS YEAR

- a) [] Changes in Production Levels
 - b) [] Changes in Estimation Methods
 - c) [] Other
 - d) [Y] No Significant Change
 - e) [] Not Applicable (First Year Reporting)
- (Mark choice
with a 'Y')

B11.3 Comments (Transfers) : [N] Y / N

B12.0 ANTICIPATED TRANSFERS (Tonnes) (-1 = Not Applicable)

1995:	0.000	1996:	0.000	1997:	0.000
1998:	0.000	1999:	0.000	1998-99 are Optional	