

INVOICE

Giant Yellowknife Mines Limited

YELLOWKNIFE, N.W.T.

CANADA

SOLD TO
M. Irving, Minerals Manager
Mineral Development Agreement
Dept. of Energy, Mines & Petroleum Resources
Government of the N.W.T.
P.O. Box 1320
Yellowknife, N.W.T.
X1A 2L9

Date April 10, 1990

Order No.

Invoice No. 104-02

To bill you for the following: SC 265478

75% of total Gas Filtration Project
(NTAP share) \$23,152.20

TOTAL

Received April 22/90
10% 110990-9371 2315
10% 110990-9372 2315
80% 110990-9376 18521.20
23152.20

GAS FILTRATION PROJECT

ACCOUNT 99-937

EXPENDITURES TO MARCH 31, 1990

99-937-1	ENGINEERING/SUPERVISION	5,311.84
937-2	CONSULTANTS	4,558.76
937-3	MET TESTING/ASSAYING	0
937-4	POLLUTION CONTROL	0
937-5	OPERATING LABOUR	0
937-6	EQUIPMENT PURCHASES (NOT YET INVOICED)	19,997.90
937-7	FABRICATION/INSTALLATION	1,001.10
TOTAL		\$30,869.60
75% of total (NTAP share)		\$23,152.20

100,000

Phase I

37,500

30,000

23,000

spent 30,869.60

Phase II

62,500

\$45,000

93,369.60 Total

89.40 under Budget

23 + x =

2

23 =

23152.2
.75

37,500.00
= 30,869.60 Phase 1

SERVICE CONTRACT

PAGE 1 OF

SC 26547

CONTRACT NUMBER

PROGRAM

ACTIVITY

55

GENERAL DESCRIPTION

CONTRACTOR'S NAME AND ADDRESS

REFERENCE DOCUMENT

geological research

Giant Mines

G.S.N.

12009319

LOCATION: Yellowknife

DETAILS OF TERMS OF CONTRACT

UNIT PRICE

TOTAL

TOTAL

30,000.00

THIS CONTRACT SHALL:

COMMENCE ON THE 1 OF Jan 1990 AND TERMINATE ON THE 31 OF March 1990

THE MAXIMUM AMOUNT PAYABLE UNDER THIS CONTRACT SHALL NOT EXCEED \$ 30,000.00

LN	TRANS. CD.	INDEX	COSTING	SETT.	PROJECT	ORDER	OBJECT	AMOUNT
1	213	281956					593	30,000.00
2								

DUE DATE DESCRIPTION (MAX. 40 CHARACTERS)

geological research

I/WE AGREE TO SUPPLY THE EQUIPMENT AND/OR PERFORM THE WORK OR SERVICES AS STIPULATED ON THE COVENANTS AND AGREEMENTS CONTAINED ABOVE AND ON THE REVERSE SIDE HEREOF.

ORIGINATOR	RECOMMENDED BY
DATE	SIGNATURE
PROGRAM MANAGER	TITLE
DATE	SIGNATURE
	TITLE

INVOICING

PLEASE QUOTE SERVICE CONTRACT NUMBER ON ALL INVOICES AND CORRESPONDENCE.

CONTRACTOR TO SUBMIT INVOICES IN 2 COPIES TO:

Mineral Development Agreement
Department of Energy, Mines & Petroleum Resources
Government of the Northwest Territories
Box 1320
Yellowknife, N.W.T.

DATE see attached SIGNATURE OF CONTRACTOR

DATE WITNESS

ACCEPTED ON BEHALF OF THE GOVERNMENT OF THE NORTHWEST TERRITORIES THIS 27 DAY OF 02 1990

SPENDING AUTH. (USUALLY PROGRAM MANAGER)

COMMITMENT AUTH. (USUALLY FINANCE OFFICER)

AUTO PAYMENT

FUNDS COMMITTED DATE BACK

Giant Yellowknife Mines Ltd.
NTAP Hi-Temp Gas Filtration Project

Actual Charges	Complete	To Date	
=====	Phase I	Phase II, III, IV	Total
M0990-9371 NTAP -Engineering/Supervision	5,311.84	13,322.09	18,633.93
9372 NTAP -Consultants	4,558.76	10,059.99	14,618.75
9373 NTAP -Met Testing/Assaying	0.00	7,739.09	7,739.09
9374 NTAP -Pollution Control	0.00	204.62	204.62
9375 NTAP -Operaring Labour	0.00	2,416.76	2,416.76
9376 NTAP -Equipment Purchase	19,997.90	5,849.30	25,847.20
9377 NTAP -Fabrication/Installation	1,001.10	22,820.13	23,821.23
9378 NTAP -Administrative Overhead	0.00	0.00	0.00
	✓ 30,869.60	✓ 62,411.98 <u>2842.96</u>	93,281.58
NTAP Share	23,152.20	42,440.15	69,961.19
Giant Share	7,717.40	19,971.83	23,320.40

PHASE I

Expenditures to March 31, 1990

	Actual	NTAP	Adjusted
M0990-9371 NTAP -Engineering/Supervision	5,311.84	2,315.22	2,996.62
9372 NTAP -Consultants	4,558.76	2,315.22	2,243.54
9373 NTAP -Met Testing/Assaying	0.00		0.00
9374 NTAP -Pollution Control	0.00		0.00
9375 NTAP -Operaring Labour	0.00		0.00
9376 NTAP -Equipment Purchase	19,997.90	18,521.76	1,476.14
9377 NTAP -Fabrication/Installation	1,001.10		1,001.10
9378 NTAP -Administrative Overhead	0.00		0.00
	30,869.60	23,152.20	7,717.40

PHASE II, III, IV To Date

Expenditures from April 01 to July 31, 1990

	Actual
M0990-9371 NTAP -Engineering/Supervision	13,322.09
9372 NTAP -Consultants	10,059.99
9373 NTAP -Met Testing/Assaying	7,739.09
9374 NTAP -Pollution Control	204.62
9375 NTAP -Operaring Labour	2,416.76
9376 NTAP -Equipment Purchase	5,849.30
9377 NTAP -Fabrication/Installation	22,820.13
9378 NTAP -Administrative Overhead	0.00
	62,411.98

NTAP Share @68% 42,440.15

65,200

Mar
62,500
x 75%

- Previously Inv



<p>GENERAL DESCRIPTION</p> <p><i>geological research</i></p>	<p>CONTRACTOR'S NAME AND ADDRESS</p> <p><i>Grant Mines</i></p>	<p>REFERENCE DOCUMENT</p> <p><i>[]</i></p>
<p>LOCATION: <i>Yellowknife</i></p>		<p>G.S.N.</p> <p><i>1200931913</i></p>

[illegible]

THIS CONTRACT SHALL:

COMMENCE ON THE 1 OF Jan 1990 AND TERMINATE ON THE 31 OF March 1990 PAYABLE UNDER THIS CONTRACT SHALL NOT EXCEED \$ 30,000.02

LN	TRANS. CD.	INDEX	COSTING	SETT.	PROJECT	ORDER	OBJECT	AMOUNT
1	213	281956					543	30,000
2								

DUE DATE	DESCRIPTION (MAX. 40 CHARACTERS)
	geological research

I/WE AGREE TO SUPPLY THE EQUIPMENT AND/OR PERFORM THE WORK OR SERVICES AS STIPULATED ON THE COVENANTS AND AGREEMENTS CONTAINED ABOVE AND ON THE REVERSE SIDE HEREOF.

RECOMMENDED BY

ORIGINATOR

DATE

SIGNATURE

TITLE

PROGRAM MANAGER

DATE

SIGNATURE

TITLE

DATE see attached SIGNATURE OF CONTRACTOR

DATE _____ WITNESS _____
ACCEPTED ON BEHALF OF THE GOVERNMENT
OF THE NORTHWEST TERRITORIES THIS 27 DAY OF 02 1990

INVOICING
PLEASE QUOTE SERVICE CONTRACT NUMBER ON ALL INVOICES AND CORRESPONDENCE

CONTRACTOR TO SUBMIT INVOICES IN 2 COPIES TO:

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Mineral Development Agreement
Department of Energy, Mines & Petroleum Resources
Government of the Northwest Territories
Box 1320
Yellowknife, N.W.T. VIA

SPENDING AUTH. (USUALLY PROGRAM MANAGER) _____ AUTH. NO. _____

COMMITTEE CHAIR (USUALLY FINANCE OFFICER) _____ AUTH. NO. _____

COMMITMENT ACTIVITY (USUALLY FINANCE OFFICER)		FUNDS	HOLD
AUTO PAYMENT	COMMITTED DATE	BACK %	

CANADA/N.W.T. ECONOMIC DEVELOPMENT AGREEMENT

CONTRIBUTION AGREEMENT

GIANT YELLOWKNIFE MINES LTD

Implementing Agency:

Department of Energy, Mines and Petroleum Resources

CONTRIBUTION AGREEMENT

THIS AGREEMENT (hereinafter referred to as this "Agreement") made this 1 day of February, 1990.

BETWEEN:

THE GOVERNMENT OF THE NORTHWEST TERRITORIES as represented by the Deputy Minister of the Department of Energy, Mines and Petroleum Resources (hereinafter referred to as the "Department").

OF THE FIRST PART

- and -

GIANT YELLOWKNIFE MINES LTD as represented by the Mine Manager (hereinafter referred to as the "Recipient").

OF THE SECOND PART

WHEREAS the Recipient has requested assistance in carrying out the project described in Clause 2(a) that will result in:

High Temperature Gas Filtration Project

AND WHEREAS the Government of the Northwest Territories and the Government of Canada under the Canada/N.W.T. Economic Development Agreement, seek to encourage intergovernmental cooperation and private sector participation to promote planning and implementation of economic and regional development in the Northwest Territories;

AND WHEREAS the Canada/N.W.T. Subsidiary Agreement on Mineral Development provides support to the Northern Technological Assistance Program;

AND WHEREAS the project is expected to contribute to the diversification and expansion of the N.W.T. economy;

AND WHEREAS the Technical Advisory Committee has recommended approval of the project specified in Appendix A and whereas the Management Group of the Mineral Development Subsidiary Agreement (MDA) has approved the project and the entering into this Agreement, by the Department of Energy, Mines and Petroleum Resources as the implementing agency;

AND WHEREAS the total amount of funding provided by this Agreement is subject to appropriations by the Parliament of Canada and the Legislative Assembly of the Government of the Northwest Territories;

NOW THEREFORE this Agreement witnesseth that:

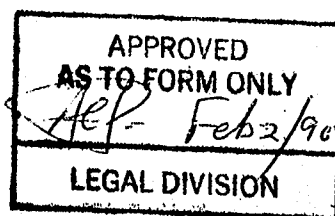
1. The Department agrees to:

a) provide a contribution to the Recipient of up to, but not exceeding Thirty Thousand Dollars (\$30,000.00) for the project described in Clause 2(a); and

b) reimburse the Recipient on the basis of the progress claims described in Clause 2(d).

2. The Recipient agrees to:

(a) perform the work on the project entitled: High Temperature Gas Filtration Project according to the Statement of Work as specified in Appendix A, which is attached to and forms part of this Agreement.



(b) maintain financial records, in accordance with generally accepted accounting principles and practices, which will ensure the adequacy, accuracy, completeness, and timeliness of reports and plans required in Paragraph 2(c);

(c) provide financial and progress reports to the Department and the Scientific Authority on an as requested basis specifying year-to-date expenditures, forecasted total annual expenditures, number of person-days of employment generated to date, and a description of the progress-to-date and forecasted progress;

(d) submit an invoice, copies of paid invoices and an interim report to the Department for an interim claim which will only be made upon approval by the Scientific Authority where the interim claim is not less than 30% and not more than 50% of the total Agreement. The interim report must be acceptable to the Scientific Authority and to the Management Group;

(e) submit original, paid invoices and a final report to the Department for the final claim for which payment will only be made upon approval by the Management Group and the Scientific Authority of the final project report and accounting of expenditures, where the final claim is made within three (3) months of the project completion date or April 15, 1990 whichever is earlier;

(f) allow the Department and the Scientific Authority to carry out on-site inspections of the project to verify that any costs submitted for the purpose of claims are those actually incurred during the project;

(g) provide information regarding arrangements for technology transfer to the Scientific Authority;

(h) provide any ancillary post-project information required by the Department, Management Group or the Scientific Authority to conduct an evaluation of the project on the funding program, to assess economic impacts or to examine the attainment of economic objectives;

(i) accept that all reports prepared in respect of the project shall become the property of the Governments of the Northwest Territories and Canada, and that in addition, all other material such as maps, documents and plans shall be provided to the above mentioned governments on request;

(j) adhere to the general terms and conditions established by participating agencies or related Agreements; and

(k) acknowledge credit to the funding which was obtained through the Canada-NWT Mineral Development Agreement in all material produced for public display or distribution, in a manner acceptable to the Management Group.

3. a) For the purposes of the Agreement the Scientific Authority shall be

Jim Skeaff
Mineral Technology Branch
Canada Centre for Mineral and Energy Technology
(CANMET)
Department of Energy, Mines and Resources
555 Booth Street,
Ottawa, Ontario
K1A 0G1

b) The Scientific Authority of CANMET is responsible for all matters concerning the scientific and technological content of the work under this Agreement. Any proposed changes to the scope of the work are to be discussed with the Scientific Authority, but any resultant changes can only be authorized by the Management Group as an amendment to this Agreement.

4. The Department and the Recipient agree that ownership of all property except as specified in Clause 2 (i), arising out of the work, including intellectual property shall rest with the Recipient, except if the Recipient elects not to file a patent application in respect of any invention arising under the arrangement, then the Recipient shall if requested by the Department to do so, assign or cause to be assigned to the Department all rights necessary to enable the Department to apply on its own behalf for a patent in respect of such invention; and to execute such other documents as may be necessary to vest ownership of such inventions to the Department. In that regard, the Recipient agrees that it:

a) shall disclose in writing to the parties all intellectual property conceived or developed or first reduced to practices in the performance of work;

b) shall grant to parties a non-exclusive, irrevocable, royalty free licence to use any or all of the intellectual property for research and publication purposes;

c) grant the parties the right to sub-licence any or all of the intellectual property to third parties for their own use. This right will not be exercised for at least three (3) years after the completion of the work and will then be exercised only if, in the sole judgement of the parties, the Recipient has failed to utilize the results of the project in commercial opportunities.

5. The Recipient further agrees that all expenditures made by the Recipient from funds contributed pursuant to this Agreement shall be made in accordance with the budget specified in Appendix "A".

6. The Recipient declares that he/she has disclosed all other sources of funding respecting the Project in Appendix "A" and agrees to disclose any additional sources of funding to the Project received during the course of this Agreement.

7. The Recipient may, with written approval of the Management Group, make transfers within budget items, in "Appendix "A"".

8. Eligible expenditures for purposes of this Agreement shall be those described in Appendix "A". The Recipient further agrees that the following are not eligible expenditures:

(a) any portion of the remuneration of any indeterminate employee of the Governments of Canada or the Northwest Territories or of any Crown Corporation or Agency;

(b) any costs in excess of eligible costs, except where the Recipient has informed the Department in writing immediately when it became aware that a cost overrun was probable and the Management Group has approved the treatment of all or part of the amount of the overrun as an eligible cost;

(c) any project costs incurred prior to the approval of the Project by the Management Group; and

(d) any cost expressly described as ineligible elsewhere in this Agreement.

9. The Recipient agrees that no funds contributed under the Agreement may be used for any purpose except that of carrying out the objective of the Project.

10. Final payments for projects undertaken by the Recipient will be made subject to the approval of the Management Group and the Scientific Authority.

11. The Recipient agrees to retain all accounting records and supporting documentation until a final audit has been performed by the Department or its representatives, should the Department decide to conduct an audit. In any event, the Recipient shall not destroy or dispose of those records and documents without the prior approval of the Department for a period of three (3) years following completion of the Project.

12. The Department or its representatives may, at any time, audit and inspect the accounting records and supporting documentation of the Recipient who shall make available at all reasonable times all accounting records and supporting documentation to the Department or their authorized representatives, and shall assist the authorized representatives in carrying out any audits or inspections.

13. The Recipient may request an audit of the project, but the cost of the audit will be at the expense of the Recipient.

14. The Recipient agrees to refund any monies provided by the Department which are not expended for the purpose described in Appendix "A" to the Government of the Northwest Territories with thirty (30) days of notification by the Department.

15. If the Recipient becomes bankrupt or insolvent or has a receiving order made against it (whether the Bankruptcy Act or otherwise), or makes an assignment for the benefit of creditors, or if a Receiver is appointed or if an order is made or resolution passed for the winding up of the Recipient's business, or if it takes the benefit of any statute relating to bankrupt or insolvent debtors, the Department may give notice in writing to the Recipient to:

(a) terminate the Agreement;

(b) direct the Recipient to repay forthwith to the Department any part of the contributions made pursuant to this agreement; and/or,

(c) withhold all or part of monies due or accruing due under this Agreement.

In the event that the Department makes a direction pursuant to 15(b), the Recipient shall forthwith repay the Department the amount directed to be paid.

16. The Recipient shall indemnify and save harmless the Governments of Canada and the Northwest Territories and any of their employees and agents against losses, claims, debts, judgments, damages, costs, actions or proceedings arising out of or relating to the performance by the Recipient, its employees or agents, of the services under this Agreement whether as a result of any act, matter or thing done, permitted or omitted to be done, negligently or otherwise, by the Recipient, their employees or agents or any other person engaged by it.

17. The Governments of Canada and the Northwest Territories shall not be held liable or responsible for any personal or bodily injury or property damage of any nature whatsoever that may be suffered or sustained by the Recipient, its employees or agents in connection with or in relation to the carrying out of services under this Agreement.

18. The Recipient shall comply with and observe all the provisions and requirements of:

(a) The Labour Standards Act, Employment Standards Act, Workers' Compensation Act, Mining Safety Act and Regulations and all Acts of the Legislative Assembly of the Northwest Territories in force, as amended, or enacted hereinafter from time-to-time, applicable to the performance of services; as well as ensuring full opportunity provisions for the employment in the project of natives, women and disadvantaged persons; and

(b) All regulations, inclusive of any amendments or substitutions in force from time-to-time under any of the Acts referred to in Clause 18(a) and any bylaw or resolution of any municipal government in the Northwest Territories.

19. An assignment of this Agreement by the Recipient without the consent in writing of the Government of the Northwest Territories shall be void and of no effect. No assignment of this Agreement shall relieve the Recipient from any obligation under the Agreement or impose any liability upon the Government of Canada, or the Government of the Northwest Territories.

20. The Department and Recipient agree that:

(a). No amendment of this Agreement nor waiver of any of the terms and provisions shall be deemed valid unless effected by a written amendment approved by the Department and the Management Group.

(b). No member serving in the House of Commons or Senate for the Government of Canada or the Legislative Assembly of the Government of the Northwest Territories shall be admitted to any share or part of this Agreement or any benefit derived thereof.

(c) This Agreement may be terminated by either party by giving at least thirty (30) days notice in writing to the other.

(d) This Agreement shall take effect from January 26, 1990 and will remain in effect until the project is completed or until March 31, 1990, whichever date is earlier, after which time the Department will no longer be held responsible for costs incurred by the Recipient.

(e) If any dispute between the parties hereto in relation to this Agreement cannot be settled to the satisfaction of both parties then the dispute shall be submitted to a single arbitrator if the parties can agree on one, or if the parties cannot agree, to a board of three (3) arbitrators, one to be appointed by the Minister, one to be appointed by the Contractor, and a third to be appointed by the arbitrators who have been appointed by the parties. The provisions of the Arbitration Act R.S.N.W.T. 1974, c.8, s.4, as amended from time to time, shall apply to each dispute submitted pursuant to this section.

(f) In no event shall the Minister be liable for any of the Contractors's obligations to any subcontractor or other person who has a claim against the Contractor for work done on the project.

(g) This Agreement shall be governed by the laws of the Northwest Territories.

(h) The contractor shall use NWT labour and materials in the performance of the work to the full extent to which they are procurable consistent with proper economy and the expeditious carrying out of the work. Included in the final report and map should be a statement including the amount of time and money spent in the NWT, and how they were used.

(i) In the event of any legal action arising as a result of this contract the contractor may commence such action against the Minister in the name of the Government of the Northwest Territories as the Defendant, and the Minister may bring such action against the Contractor in the name of the Government of the Northwest Territories as Plaintiff. The parties agree that any such action shall be brought in the Supreme Court of the Northwest Territories.

(j) Payment by the Minister pursuant to this Agreement is subject to Section 46 of the Financial Administration Act which states:

"It is a condition of every contract made by or on behalf of the Government requiring an expenditure that an expenditure pursuant to the contract will be incurred only if there is sufficient uncommitted balance in the appropriated item for the fiscal year in which the expenditure is required under the contract."

21. For all purposes of this Agreement, including giving notice the Department's address shall be:

Department of Energy, Mines and Petroleum Resources
Government of the Northwest Territories
Box 1320
Yellowknife, NWT
X1A 2L9

and the address of the Recipient shall be:

Giant Yellowknife Mines attn: Kent Morton
Bag 3000
Yellowknife, NWT

22. The Department and the Recipient agree that any progress reports under this Agreement are to be submitted to the Scientific Authority as specified in Clause 3 (a) and to:

Minerals Manager
Department of Energy, Mines and Petroleum Resources
GNWT
Box 1320
Yellowknife, NWT
X1A 2L9

This Agreement shall ensure to the benefit of and be binding upon the parties hereto, their successors and permitted assigns.

This contract constitutes and expresses the entire Agreement of the parties hereto and shall take effect in substitution for all previous Agreements and arrangements whether written or implied between the Minister and the Contractor and all such Agreements and arrangements shall be deemed to have been terminated by mutual consent with effect from the date of the signing hereof;

ACCEPTED ON BEHALF OF:

C. Mahabogash
(Witness)

Feb 13 1990
(Date)

L. Scherger - Izaho
(Witness)
Northwest

26 February 1990
(Date)

(Witness)

(Date)

P. Irene Newton
(Witness)

Feb. 23/90
(Date)

J. Steven McAlpine
(Giant Yellowknife Mines Ltd.)

Feb 13, 1990
(Date)

[Signature]
(Government of the
Territories)

26 February 1990
(Date)

[Signature]
(MDA Management Group
DIAND Co-chair)

90-02/27
(Date)

S. C. Patterson
(MDA Management Group
EM&PR Co-Chair)

FEB 23/90
(Date)

Appendix A

STATEMENT OF WORK

1. Introduction

During the past several years, Giant Yellowknife Mines has marketed a small amount of crude arsenic trioxide produced as a by-product of the gold extraction process. Due to the poor quality of the product, the market has always been extremely limited and recently, Giant's sole customer declined to renew their purchase contract. Unless the quality of the product can be greatly improved, the product can not be sold.

Over the past several months, Giant has developed a purification process that will achieve the necessary product purity while producing a residue containing relatively high concentrations of gold and antimony oxide.

The process, sublimation of crude baghouse dust, followed by high temperature gas filtration, condensation and agglomeration, has been thoroughly proven. Detailed filtration testwork is all that remains of the research phase of the program.

2. Objectives

Successful completion of the filtration testwork will enable Giant Mines to detail purification plant design for the purpose of full scale production. The \$10,000,000 plant will employ 12 to 15 people and will be capable of producing 7,000 stpy of high purity product. The high temperature gas filter will help to improve product quality from approximately 65% As_2O_3 to 99.5% As_2O_3 . The possibility of producing a saleable antimony oxide concentrate produced from hot filter residues also exists though further testing is required.

There are several benefits that Giant might realize from high temperature gas filtration testwork and eventual production of a high purity product. These benefits are summarized below.

1. produce a saleable arsenic trioxide product.
2. recover gold values contained in high temperature filter residues.
3. empty underground arsenic storage chambers, making surrounding gold bearing ore available for mining.
4. recover antimony oxide values from high temperature gas filter residues.
5. eliminate storage requirements for currently produced As_2O_3 bearing baghouse dust.
6. eliminate long-term storage concerns related to permanent mine closure.

3. Scope of Work

The work involves design and fabrication of a high temperature sintered metal pilot scale filter followed by a two week pilot plant campaign. The testing will be done at Giant Yellowknife's plant. Fabrication of the test filter will be done by Pall Corporation, who are represented by Pall Canada of Toronto. Testing will be done using crude baghouse dust from Giant.

Giant representatives will monitor the pilot plant during the testing to ensure that all data necessary for full scale filter design is being collected. The Research and Productivity Council of New Brunswick will be consulted during the preparation of a final report of the test program that is expected to enable Giant to detail filter specifications required in the purification plant.

4 PY Requirements

The work involved in conducting the test can be separated into 3 distinct areas, design and preparation, fabrication and installation, and testing and reporting. Manpower required at each stage is as follows:

Design and Preparation	100 hours @ \$40.00/hr
Fabrication and Installation	250 hours @ \$50.00/hr
Testing and Reporting	1153 hours @ \$44.55/hr
Total	1503 hours @ \$45.15/hr

5 Budget

Total project costs are estimated at \$100,000 divided as follows:

- \$80,000 (Eighty Thousand Dollars) for the subcontracted cost of work to be completed by Pall (Canada) Limited, the cost of consulting services of W.R. Hatch, the cost of plant setup and modification and the cost of performing the testwork.

- \$20,000. Interpreting test data for use in detailed plant design, supervision and program monitoring, internal accounting and administration, report writing, etc...

6 Timetable

Phase 1: Filter Design, Plant Setup

Hi-temp filter, design and engineering	\$13,625
Condenser, baghouse, etc. installation	\$7,648
Instrumentation and ancillary equipment	\$16,227
- Start February, 1990 - Completion March, 1990	
- Total Cost = \$37,500 (\$30,000 from NTAP and \$7,500 from Giant).	

Phase 2: Filter Installation, Plant Setup

Hi-temp filter purchase	\$13,625
Hi-temp filter installation and tuning	\$5,273
Complete plant installation and test run	\$7,648
- Start April, 1990 - Completion May, 1990	
- Total Cost = \$26,546	

Phase 3: Plant Operation

Two weeks of operation	\$23,535
- start May, 1990 - Completion May, 1990	

Phase 4: Reporting

Analysis of results and completion of final report	\$12,419
- Start June, 1990 - Completed June, 1990.	

Funding for Phase 2, 3 and 4 are dependent upon completion of Phase 1 and the approval of the Scientific Authority and the Management Group of the MDA.

11-Oct-90

PAGE 5