6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1681X

Commodity Fluorspar

Total Amount $50,000.00

Govt. Participation 50 %

1. Name and Address of Applicant Washington Products Co., Inc., Box 3144, Seattle 14, Wash.

2. Location of Property 5 miles from Keller, Wash. San Poil mining district, Sec. 24, T. 30 N., R. 32 E., Ferry Co. - old Mitchell property

3. Mineral or metal Fluorspar Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

✓ b) Poor *

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes - lessee (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? If kept in good standing - Yes.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? —

b) MF-202 Not attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes -

b) Equipment and supplies By purchase or rental can probably get necessary equipment
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes - Electric Power line @ 4mi. Use gasoline motors

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes - Parent company producing industrial minerals

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No -

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes -

If not, what part of it is? - Sinking + drifting on vein at lower depth is exploration - Development at present level - development

Is this part a worthwhile exploration project? No (see Van Alstine statement)

d) Are the cost estimates detailed? None given – No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? none given

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No Yes ~~No~~

11. Exhibit B (question 23-d)*

a) Is it applicable? No data given –

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed?

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? No information given

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? None given

d) Is a field check needed? Yes (first ask applicant for new information)

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No – merely states, "Propose 4 mm to start."

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? Insufficient data

d) Are the proposed wages and salaries reasonable? None given

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? No data given - merely states "have bunk house + boarders (bunkers) for one.

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? No time period given -

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

See my memorandum to Mr. Barr on subject of this application (Van Alstine) Check geological conditions + whether work proposed would be exploration or development.

Reviewed by: Van Alstine USGS

Roswell M. Beauty By H 6/28/51

Date 6/26/51

97692

6/28/51 Docket No. DMA. 1681 X

This application is very inadequate. Most of the questions in form MF 103 are not answered + the information given in MF 100 is incomplete + poorly explained. Without more definite information & in view of Mr. Van Alstines comments there appears little reason to refer it to the field team until the applicant has furnished more detailed answers to the questions in MF 103.

The applicant is a corporation, a subsidiary of an operating producer of industrial minerals + should be in a position to at least furnish the information requested.

Section 10. Exhibit "A"

As outlined the project is more ~~of a~~ development than exploration although with further explanation as to the particular point of attack + its relation to old stope operations + ore exposures this concept might be changed.

No evidence is submitted to confirm the expectation that the vein will improve with additional depth. Also, the conditions at the point where work will start are not indicated at all.

The application leaves the work to be done strictly up to the applicants discretion + selection. As worded the exploration could be switched to development without advice or difficulty.

Section-11, 12, 13 + 14. Exhibits "B", "C", "D" + "E"

Question 23, MF 103, is not answered + the only item mentioned in connection with the points covered therein is the statement, "Propose 4 men to start" (item 16, Labor, page 3, MF 100). MF 100 does cover items of location, accessibility, water, power, + history - all of minor importance in the loan request.

(2)

DMA 1681X

6/28/51

Section 16. Recommendation.

The past history of this property is not promising for an increase of high grade fluorite as a result of work at greater depth. If the fluorite supply situation is serious possible some added production could be secured, at high cost, from a program of exploration & development on this property.

The application could be denied on the grounds that from the information submitted in the present application the prospects of finding appreciable quantities of high grade fluorite appear too slight to justify the investment.

If further study is desired the applicant should be requested to submit a new MF103 with all points covered as indicated in the questions. Reference to the MF100 should not be considered as supplying the required information. On receipt of this modified application the decision can be made as to what action should be taken. There is little use in referring the present application to the field team, especially in view of the load being imposed on them, until further information is obtained from the applicant.

JMP

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 1681X

Commodity Fluorspar

Total Amount $50,000 ea

Govt. Participation 50%

1. Name and Address of Applicant Washington Products Co. Inc. Box 3144 Seattle 14, Wash.

2. Location of Property 5 miles from Keller, Wash. San Poil mining district, Sec 24, T30N, R32E, Ferry Co. old Mitchem property

3. Mineral or metal Fluorspar Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

✓b) Poor *

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7)* /

6. If applicant is a lessee, is a copy of the lease attached? Y

Does the lease have sufficient time to run to cover a future productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? [illegible]

a) MF-201? [illegible]

b) MF-202 [illegible]

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower [illegible]

b) Equipment and supplies [illegible]
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* [illegible]

d) Water (question 13)* [illegible]

e) Power (question 13)* [illegible]

Is a field check needed on any of these points? Y

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* [illegible]

[illegible]

Is a field check needed on this point? [illegible]

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? [illegible]

Is this part a worthwhile exploration project? (No [illegible])

d) Are the cost estimates detailed? None given — No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? none given

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No Yes [illegible]

11. Exhibit B (question 23-d)*

a) Is it applicable? No data given

b) If so, are sufficient data furnished? N If so, attach a draft.

c) Is a field check needed?

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? No information given

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? None given

d) Is a field check needed? Yes (first ask applicant for new information)

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No — merely states "Proposed work to start"

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? Insufficient data

d) Are the proposed wages and salaries reasonable? None given

e) Is a field check needed?

14. Exhibit E (question 23-c)*

a) Is it applicable? No data given [illegible]

b) Sufficient data? [illegible]

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? No time period given

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

See my memorandum to Mr. Baur on subject of this application (Van Alstine)

Check geological conditions & whether or not proposed work is exploration or development.

Reviewed by: Van Alstine USGS

[illegible] 6/26/51

Date Van A. 6/26/51

97692

6/25/81 · Docket No. DMA 1681X

This application is very inadequate. Most of the questions in form MF 103 are not answered & the information given in MF 100 is incomplete & poorly explained. Without more definite information & in view of Mr. Van Wistines comments there appears little reason to refer it to the field team until the applicant has furnished more detailed answers to the questions in MF 103.

The applicant is a corporation, a subsidiary of an operating producer of industrial minerals & should be in a position to at least furnish the information requested.

Section 10 Exhibit "A"

As outlined the project is more ~~the~~ development than exploration although with further exploration as to the particular point of attack & its relation to old stope operations & ore exposures this concept might be changed.

No evidence is submitted to confirm the expectation that the vein will improve with additional depth. Also, the conditions at the point where work will start are not indicated at all.

The application leaves the work to be done sketchy, up to the applicants discretion & selection. As needed the exploration could be switched to development without advice or difficulty.

Section - 11, 12, 13 + 14. Exhibits "B", "C", "D", "E"

Question 23, MF 103, is not answered & the only item mentioned in connection with the permit correct thing is the statement, "Propose 4 men to start" (item 16, labor, page 3, MF 100). MF 100 does cover items of location, accessibility, water, power, + history - all of minor importance in the loan request.

(2) . . .

DMR. 1651X

6/28/51

Section 16. Recommendation.

The past history of this property is not promising for an increase of high grade fluorite as a result of work at greater depth. If the fluorite supply situation is serious possible some added production could be secured, at high cost, from a program of exploration & development on this property.

The application could be denied on the grounds that from the information submitted in the present application the prospects of finding appreciable quantities of high grade fluorite appear too slight to justify the investment.

If further study is desired the applicant should be requested to submit a new MF103 with all points covered as indicated in the questions. Reference to the MF100 should not be considered as supplying the required information. On receipt of this modified application the decision can be made as to what action should be taken. There is little use in referring the present application to the field team, especially in view of the load being imposed on them, until further information is obtained from the applicant.

OMP

July 3, 1951

Memorandum:

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1[illegible]; Fluorspar
Washington Products Co., Inc.
Box # 3144
Seattle 14, Washington

Denial recommended because:

1) Failure of Applicant to present a sound geologic basis to justify project.

2) Deposit is well known to USGS and USBM. Their data does not justify additional exploration work on deposit.

James M. Barr, Sr.

Approved:

Fox Lyon, Director
Supply Division

RW:mas

cc: Mr. Lyon
Mr. Barr
DMA Files

July 3, 1951

Washington Products Co. Inc.
Box 4 3144
Seattle 14, Washington

Subject: D A-1681X
Fluorspar

Gentlemen:

Your application for aid for an exploration project on Fluorspar deposit located near Keller, Washington and docketed as D A-1681X, has been reviewed by this office.

Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for national defense.

A very careful study of your proposal revealed the following:

1) The property has been rather extensively explored in the past; a sound geologic basis to justify additional exploration work has not been demonstrated.

2) The deposit is well known to the U.S. Geological Survey and U.S. Bureau of Mines. A study of data compiled by their organizations does not indicate that the project will qualify under the requirements outlined in paragraph 2 of this letter.

Under these circumstances, your application for exploration aid to the extent of 50% of $50,000 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Sincerely yours,

RW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr

Field Team Region II (2)
DMA Files

Tom Lyon, Director
Supply Division

THIS FORM IS TO REMAIN IN THIS FILE JACKET AT ALL TIMES.

SERIES

PERSON	FILED	DATE	INITIALS	SCANNED DMA-1681-X
Arnold				
Bergman				
Bff				
Bell, Adair				
Bergen				
Bolton, Jr.				
Bourtot				
Braden				
Chandler				
Crim				
FIELD FILE				
Gumpelson				
Harlow				
Henderson				
Hess				
Hyde				
Macdonald				
McCann				
Mills				
Moen				
O'Connor				
Ogler				
Oxton				
Parsons				
Rodd				
S. Alpiar				
Sorensen				
Sp'gr	X8	6-18-51	sgl	
Watts				
Welch				

REMARKS:

Manufacturers Mineral Company
S. H. Waterman, President
P. O. Box 3144
Seattle 14, Washington

Gentlemen:

Subject: DMA-1681X, Fluorspar

Replying to your letter of July 24, we regret that we cannot reconsider subject application on basis of data submitted.

Sincerely yours,

Tom Lyon, Director
Supply Division

JABARR:mp
cc: Reports and Records
Mr. Lyon
Mr. Barr

8/6/51

code 370

Manufacturers Mineral Company
G. H. Waterman, President
P. O. Box 3144
Seattle 14, Washington

Gentlemen:

Subject: DMA-1601X; Fluorspar

We have your letter of July 24 requesting re-opening of subject application and have carefully considered data submitted. We have also reviewed data previously submitted and pertinent U. S. Geological Survey data.

We regret that we cannot find a sound basis for believing that the project would result in discovery or production of significant amounts of strategic minerals and for that reason cannot reopen the case.

Sincerely yours,

Tom Lyon, Director
Supply Division

RW:mas August 9, 1951

cc: Reports and Records
Mr. Lyon
Mr. Barr

FILE COPY
SURNAME:

Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Code 210

August 28, 1951

Mr. G. H. Waterman
President
Manufacturers Mineral Company
P. O. Box 3144
Seattle 14, Washington

My dear Mr. Waterman:

This will acknowledge your letter dated August 20, 1951, requesting that papers furnished by you with your application, Docket No. DMA-1681X, on the Washington Products Company, Inc., be returned to you.

There are enclosed all papers submitted by you with the exception of the application, which will remain on permanent file with the Defense Minerals Administration.

Sincerely yours,

not stripped in R. + R.

John M. Smith, Acting Chief
Administrative Management Division

Enclosures 4

READAMS/hb

Copy to: DMA Files ✓

xa

Code 210

August 28, 1951

Mr. G. H. Waterman
President
Manufacturers Mineral Company
P. O. Box 3144
Seattle 14, Washington

My dear Mr. Waterman:

This will acknowledge your letter dated August 20, 1951, requesting that papers furnished by you with your application, Docket No. DMA-1681X, on the Washington Products Company, Inc., be returned to you.

There are enclosed all papers submitted by you with the exception of the application, which will remain on permanent file with the Defense Minerals Administration.

Sincerely yours,

John M. Smith, Acting Chief
Administrative Management Division

Enclosures 4

READAMS/hb

Copy to: DMA Files

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8-24-47

REFERRED TO:

1. Code 370
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	✓ Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS:

Check (X) before the items needing attention.

Adams
Initials of sender.

G. E. C.

GPO 16—63815-1

370

Manufacturers Mineral Company

Non-Metallic Minerals for Industrial Purposes

Granules and Aggregates

Wash Products Co. Inc.

Answered by Adams for Smith 8/29/51 HB.

P.O. BOX 3144
SEATTLE, 14, WASHINGTON

WEST 3140
1107 WEST IDAHO ST.
SEATTLE, WASH.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 2 4 1951

August 20, 1951

ASBESTOS
BARYTES
BIRD GRIT
CRUSHED FIREBRICK
CRUSHED ROCK
FELDSPAR
FERTILIZER
FLOURSPAR

GRANITE
- MOTHER OF PEARL
- POULTRY GRIT
- (MT. INDEX BRAND)

GROUND LIMESTONE

IRON OXIDE

MARBLE CHIPS AND GRANULES
- BLACK
- GOLDEN
- LIGHT GREEN
- MEDIUM GREEN
- PINK
- RED
- RED VERONA
- TRAVERTINE
- VERDE
- WHITE
- YELLOW VERONA

SILICA
- DIATOMACEOUS
- FLINT SHOT
- FLOUR
- SAND

SLATE
- GRANULES
- ROOFING
- STEPPING STONES
- WALKS

STRONTIUM
STUCCO DASH
TALC
WHITING

Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Attention: Mr. Tom Lyon, Supply Division

Dear Mr. Lyon:

Barr

Referring to DMA-1681X; Fluorspar.

I appreciate the fact that where you are going by the Geological reports you are some what handicapped on this application.

Sinceyou do not feel this comes in a classification suitable for your department, will you please return the papers which were sent to you with the application.

The writer has served as chairman of the Strategic Minerals Committee which was appointed by our local Chamber of Commerce to aid in some of these mineral developments. A great many properties on which application would have gone to you has been discouraged at this end of the line on account of the members of the committee being conversant on the property and feeling sure that they were not of a type that would meet with your approval.

Yours very truly,

MANUFACTURERS MINERAL COMPANY

G H Waterman

G. H. Waterman, President

GHW:am

Manufacturers Mineral Co.
P. O. BOX 3144
SEATTLE 14, WASH.

SEATTLE
AUG 20
7 30 PM
1951
8
WASH.

Remember - Only
PREV
FOREST FIRES

UNITED STATES POSTAGE
THOMAS JEFFERSON
3 CENTS 3

DEPARTMENT OF INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

Mr. Tom Lyon, Director Supply Division

Minerals Mined and Milled in the Pacific Northwest

FILE COPY
SURNAME:

Barr

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

code 370

Washington Products Co.

A.E.C.

AUG 1 4 1951

[illegible] Mineral Company
[illegible]
P. O. Box [illegible]
Seattle 1[illegible], Washington

Gentlemen:

Subject: [illegible]-1[illegible]; Fluorspar

[illegible] your letter of July [illegible] requesting re-opening of subject application [illegible] we will reconsider data submitted. [illegible] data previously submitted and published [illegible].

[illegible] that we cannot [illegible] a sound basis for believing [illegible] selection of sites [illegible] that reserve [illegible].

[illegible]

Tom Lyon 8/14

Tom Lyon, Director
Exploration [illegible]

[illegible]:mas August 9, 1951

cc: Reports and Records [illegible]
Mr. Lyon
Mr. Barr

Manufacturers Mineral Company

Non-Metallic Minerals for Industrial Purposes
Granules and Aggregates

WEST 3140
1107 WEST IDAHO ST.
SEATTLE, WASH.

P.O. BOX 3144
SEATTLE, 14, WASHINGTON

Barr

ASBESTOS
BARYTES
BIRD GRIT
CRUSHED FIREBRICK
CRUSHED ROCK
FELDSPAR
FERTILIZER
FLOURSPAR

GRANITE
- MOTHER OF PEARL
- POULTRY GRIT
- (MT. INDEX BRAND)

GROUND LIMESTONE

IRON OXIDE

MARBLE CHIPS AND GRANULES
- BLACK
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- MEDIUM GREEN
- PINK
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- RED VERONA
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- DIATOMACEOUS
- FLINT SHOT
- FLOUR
- SAND

SLATE
- GRANULES
- ROOFING
- STEPPING STONES
- WALKS

STRONTIUM
STUCCO DASH
TALC
WHITING

July 24, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 30 1951

United States
Department of the Interior
Defense Minerals A dministration
Washington 25, D. C.

Attention: Mr. Tom Lyon, Director
Supply Division

Gentlemen:

Your letter regarding the application of the Washington Products, Subject: DMA-1681X-Fluorspar, is carefully noted.

It would seem to me that this should be a good case where the government should assist in developing additional Fluorspar.

The Geological Survey has no information regarding the deposit below the ground level and the vein which was followed for some 150 feet with a tunnel and which vein is almost vertical, should strengthen in lower levels.

We certainly are not anxious to spend a lot of our own money on a hopeless mine, but this project certainly justifies more developments than has been done up to this time.

Recently we had some men on the property and started a shaft and within a few feet had picked up a vien which the men reported runs a minimum of 12 inches thick. There is every reason to believe that this would increase by going down still further. Our idea was to sink some 50 feet then drift in the vien and stoke the ore that would be developed. If it were found that the vein failed entirely, the work of course would be discontinued.

It seems to me that in view of the fact that Fluorspar is badly needed, the government could well afford to go ahead with us on the development of this property.

Yours very truly,

MANUFACTURERS MINERAL COMPANY

G. H. Waterman, President

GHW:VL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

July 3, 1951

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1681X; Fluorspar
Washington Products Co., Inc.
Box # 3144
Seattle 14, Washington

Denial recommended because:

1) Failure of Applicant to present a sound geologic basis to justify project.

2) Deposit is well known to USGS and USBM. Their dats does not justify additional exploration work on deposit.

James A. Barr

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

FILE COPY
SURNAME:

Barr

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

July 3, 1951

Washington Products Co. Inc.
[illegible]
Seattle 14, Washington

Subject: DMA-1[illegible]
Fluorspar

Gentlemen:

Your application for and for an emergency rating project on fluorspar deposit located near Colter, Washington and designated as [illegible]-1[illegible]14, has been reviewed by this office.

Projects approved by the Defense Minerals Administration only, in its judgment, show definite promise of yielding material of acceptable grade, physical character and in sections of the country, in quantities that will be sufficient to improve the mineral supply position for national defense.

A very careful study of your proposal revealed the following:

1) The property has been rather extensively explored in the past; a sound geologic basis for putting additional exploration work has not been demonstrated.

2) The deposit is well [illegible] in the U.S. Geological Survey and U.S. Bureau of Mines. Available data compiled by these organizations does not indicate that the project will fulfill the requirements outlined in paragraph 2 of this letter.

Under these circumstances, your application for a rating cannot be approved. Should additional information become available, we would be happy to give it further consideration.

Sincerely yours,

Tom Lyon

Director

cc: Mr. Stroloff
Mr. Lyon
Mr. Barr
Mr. Harold Fan[illegible] (2)
DMA Files
[illegible], Director
[illegible] Division

FILE COPY
SURNAME:

Barr

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

July 3, 1951

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1511; Fluorspar
Washington Products Co., Inc.
Box 3111
Seattle 11, Washington

Denial recommended because:

1) Failure of applicant to present a sound geologic basis to justify project.

2) Deposit is well known to USGS and BM. Their data does not justify additional exploration work on deposit.

James Barr
JMB
James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

JBS:mas

cc: Mr. Lyon
Mr. Barr
DMA Files

July 3, 1951

Washington Products Co. Inc.
Box [illegible]
Seattle 11, Washington

Subject: [illegible]
Fluorspar

Gentlemen:

Your application for [illegible] exploration project on fluorspar deposit located near Keller, Washington and designated as [illegible]-1651X, has been reviewed by this office.

Projects approved by the Bureau of Mines and Strategic and Critical Materials, in the judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for national defense.

A very careful study of your proposal revealed the following:

1) The property has been rather extensively explored in the past; a sound geologic basis to justify additional exploration work has not been demonstrated.

2) The deposit is well known to the U.S. Geological Survey and U.S. Bureau of Mines. A study of data compiled by their organization does not indicate that the project will qualify under the requirements outlined in paragraph 2 of this letter.

Under these circumstances, your application for exploration aid to the extent of $[illegible], 000 is denied. Should additional information become available, we would be [illegible] to have it reconsider your proposal for consideration.

Sincerely yours,

Tom Lyon

RN:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr

Field Team Region II (2)
DMA Files

Tom Lyon, Director
Supply Division

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

June 21, 1951

Mr. G. H. Waterman, President
Box 3144
Seattle 14, Washington

Subject: DMA-1681X
Re: Exploration Loan - Flourspar Claim, Golden Rule Claim, West Flourspar Claim

My dear Mr. Waterman:

Receipt is acknowledged of your application and attachments of May 31, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1681X and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on June 14, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1681X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Barr
Lyon

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1681 X

Date received 6/13/51

Washington Products Co. Inc.,
Box 3144
Seattle 14, Washington

Name and address of applicant

Date May 31, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Section 124 of the Internal Revenue Code (1950) (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6)~~ other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

5

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Fluorspar
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits. 450'
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. no flooding
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 14 miles from Wilbur, Washington
   (*b*) Mining district. San Poil NP. Ry Co
   (*c*) Township, Section, Range. Sec. 24, Twp 30 NR 32 EWM
   (*d*) County, State. Ferry County, Washington
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. no
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production Off & on since 1939

   If not in production or operation, estimated date when production will begin 30 days after Gov't assistance
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Washington Products Co, controlled by G. H. Waterman, owner of Manufacturers Mineral Co and Mineral Products Corp. who own and operate plants at Seattle and Chewelah, Wash. mining and producing industrial minerals, shillica, silica sand, lime rock, crushed marble, whiting, talc, silica flour.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. operated by applicant and a number of cars of good metalurgical grade spar produced, leased to others who spent considerable money operation poorly managed and lease cancelled as no development work done.
   (*b*) State briefly the known history and production of adjoining and neighboring properties. mostly stock promotion
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
G. H. Waterman	Pres & D	0	250,000	50	500	0	0
M. R. Waterman	V. Pres & D	0	wife	25	250	0	0
Patricia Waterman	Sec'y & D	0	daughter	25	250	0	0
	Total		x x x x x	100	1000	x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 100	$ 100	$ 0	100	0
Preferred stock	$ 1000	$ 1000	$ 10.00	1000	4%

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	about 15 carloads of good grade fluorspar have				
2. Quantity of product processed (specify unit of measure and type of process)	been produced and shipped from property fluorspar				
3. Quantity and grade of product sold or shipped (specify units of measure)	"	1940 to 1945 about 600 tons			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. propose to sink on vein approx 50' and drift on present vein which should improve with depth. Vein in lower tunnel 58' below upper shows stronger vein than upper tunnel.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Vein runs in almost vertical position and tunnels have followed the veins which runs from 6 inches to about 3 feet. Fluorspar of good grade, low in silica and not high in calcite. Please see Chemists No. 2[illegible]0 and 2857 products of jig operation on the property in 1941, this jig not now on the property. Last lessees installed sink and float which worked quite well, this also removed to lead mine. Concentration not difficult, property needs ore development.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map tunnels follow veins

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: Some ore in stopes and veins but need development.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.
14 miles to Wilbur, Wash. on NP Ry, good road, mostly blacktop, Keller, Wash. about 5 miles. Bunk house on property needs some repair

14. Water Supply:
Jack creek runs all year, crosses adjoing claim.
State source and quantity of water available for operations and whether sufficient for all seasons of year.
This should be sufficient for all year.

15. Power:

State amount of power used, rate per hour, and source thereof. Gas for compressor and other equipment. High power line about 4 miles away.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
new operation. Propose 4 men to start.

17. Equipment and Facilities: Have bunk house and bunkers for ore. Quite a lot of pipe under ground for air and water.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
This the only fluorspar mine in the Pac. Northwest where large quantities of spar are used bye the ferro-alloy and aluminum plants.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc.
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma-1681 X

Date received 6/13/51

Washington Products Co. Inc.,
Box 3144
Seattle 14, Washington

Name and address of applicant

Date May 31, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of sec. 124 of (Amorti-~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (X) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

5 GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Fluorspar
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits. 450'
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. no flooding
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 14 miles from Wilbur, Washington
   (*b*) Mining district. San Poil NP. Ry Co
   (*c*) Township, Section, Range. Sec. 24, Twp 30 NR 32 EWM
   (*d*) County, State. Ferry County, Washington
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. no
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production Off & on since 1939

   If not in production or operation, estimated date when production will begin 30 days after Gov't assistance
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Washington Products Co. controlled by G. H. Waterman, owner of Manufacturers Mineral Co and Mineral Products Corp. who own and operate plants at Seattle and Chewelah, Wash. mining and producing industrial minerals, silica, silica sand, lime rock, crushed marble, whiting, talc, silica flour.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation and production of property, with reasons for suspension of operation. operated by applicant and a number of cars of good metallurgical grade spar produced, leased to others who spent considerable money.
   (*b*) State briefly the known history and production of adjoining and neighboring properties. mostly stock promotion.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. operation poorly managed and lease cancelled ac no development work done.

16—68792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
G. H. Waterman	Pres & D	0	250,000	50	500	0	0
M. R. Waterman	V. Pres & D	0	wife	25	250	0	0
Patricia Waterman	Sec'y & D	0	daughter	25	250	0	0
	Total		x x x x x	100	1000	x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 100	$ 100	$ 0	100	0
Preferred stock	$ 1000	$ 1000	$ 10.00	1000	4%

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	about 15 carloads of good grade fluorspar have been produced and shipped from property				
2. Quantity of product processed (specify unit of measure and type of process)	fluorspar				
3. Quantity and grade of product sold or shipped (specify units of measure)	"	1940 to 1945 about 600 tons			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. propose to sink on vein approx 50' and drift on present vein which should improve with depth. Vein in lower tunnell 58' below upper shows stronger vein than upper tunnel.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Vein runs in almost vertical position and tunnels have followed the vein which runs from 6 inches to about 3 feet. Fluorspar is good grade, low in silica and not high in calcite. Please see Chemists No. 2790 and 2857 products of jig operation on the property in 1941, this jig not now on the property. Last lessees installed sink and float which worked quite well, this also removed to lead mine. Concentration not difficult, property needs ore development.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. **See map tunnels follow veins.**

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: **Some ore in stopes and veins but need development.**

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.
14 miles to Wilbur, Wash. on NP Ry. good road, mostly blacktop, Keller, Wash. about 5 miles. Bunk house on property needs some repair.

14. Water Supply: **Jack Creek runs all year, crosses adjoing claim.**

State source and quantity of water available for operations and whether sufficient for all seasons of year.
This should be sufficient for all year.

15. Power:

State amount of power used, rate per hour, and source thereof. **Gas for compressor and other equipment. High power line about 4 miles away.**

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
new operation. Propose 4 men to start.

17. Equipment and Facilities: **Have bunk house and bunkers for ore. Quite a lot of pipe under ground for air and water.**

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
This the only fluorspar mine in the Pac. Northwest where large quantities of spar are used by the ferro-alloy and aluminum plants.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1681 X

Date received 6/13/51

Participation

Washington Products Co. Inc.
Box 3144
Seattle 14, Washington.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $50,000.

Mineral or metal Fluorspar

Percentage of Government participation 50%

Location of mine near Keller Washington.

Date of filing MF-100 May 31, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? corporation

*2. If a partnership, state names and addresses of partners. all same address as above

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. G. H. Waterman, M. R. Waterman, Patricia Waterman

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Will be managed by G. H. Waterman, Pres. and Mgr. of Manufacturers Mineral Products Corp. Seatt and Chewelah, Wash. producing industrial minerals.

*5. Are you the owner or the lessee of the property? lessee

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. o

7. If lessee, attach a copy of the lease and state if it is in good standing. lease in good standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc.
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1681X

Date received 6/13/51

Washington Products Co. Inc.,
Box 3144
Seattle 14, Washington

Name and address of applicant

Date May 31, 1951

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   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits. 450'
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. No flooding
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 14 miles from Wilbur, Washington NP. Ry Co
   (*b*) Mining district. San Poil
   (*c*) Township, Section, Range. Sec. 24, Twp 30 NR 32 EWM
   (*d*) County, State. Ferry County, Washington
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production Off & on since 1939

   If not in production or operation, estimated date when production will begin 30 days after Gov't assistance
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Washington Products Co. controlled by G. H. Waterman, owner of Manufacturers Mineral Co and Mineral Products Corp, who own and operate plants at Seattle and Chewelah, Wash, mining and producing industrial minerals, silica, silica sand, lime rock, crushed marble, whiting, talc, silica flour.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. operated by applicant and a number of cars of good metallurgical grade spar produced, leased to others who spent considerable money
   (*b*) State briefly the known history and production of adjoining and neighboring properties. mostly stock promotion.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. operation poorly managed and lease cancelled as no development work done.

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
G. H. Waterman	Pres & D	0	250,000	50	500	0	0
M. R. Waterman	V. Pres & D	0	wife	25	250	0	0
Patricia Waterman	Sec'y & D	0	daughter	25	250	0	0
	Total		x x x x x	100	1000	x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 100	$ 100	$ 0	100	0
Preferred stock	$ 1000	$ 1000	$ 10.00	1000	4%

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	about 15 carloads of good grade fluorspar have				
2. Quantity of product processed (specify unit of measure and type of process)	been produced and shipped from property fluorspar				
3. Quantity and grade of product sold or shipped (specify units of measure)	"	1940 to 1945 about 600 tons			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. propose to sink on vein approx 50' and drift on present vein which should improve with depth. Vein in lower tunnel 58' below upper shows stronger vein than upper tunnel.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Vein runs in almost vertical position and tunnels have followed the vein which runs from 6 inches to about 3 feet. Fluorspar [illegible] good grade, low in silica and not high in calcite. Please see Chemists No. 2790 and 2857 products of jig operation on the property in 1941, this jig not now on the property. Last lessees installed sink and float which worked quite well, this also removed to lead mine. Concertration not difficult, property needs ore development.

16—63792-1

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. **See map tunnels follow veins.**

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: **Some ore in stopes and veins but need development.**

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.
14 miles to Wilbut, Wash. on NP Ry, good road, mostly blacktop, Keller, Wash. about 5 miles. Bunk house on property needs some repair.

14. Water Supply:
Jack Creek runs all year, crosses adjoing claim.
State source and quantity of water available for operations and whether sufficient for all seasons of year.
This should be sufficient for all year.

15. Power:

State amount of power used, rate per hour, and source thereof. **Gas for compressor and other equipment High power line about 4 miles away.**

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
new operation. Propse 4 men to start.

17. Equipment and Facilities: **Have bunk house and bunders for ore. Quite a lot of pipe under ground fr air and water.**

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
This the only fluorspar mine in the Pac. Northwest where large quantities or spar are used by the ferro-alloy and ~~aluminum~~ (aluminun) plants.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc.
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1681 X

Date received 6/13/51

Participation

Washington Products Co. Inc.
Box 3144
Seattle 14, Washington

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $50,000.

Mineral or metal Fluorspar

Percentage of Government participation 50%

Location of mine near Keller Washington

Date of filing MF-100 May 31, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? corporation

*2. If a partnership, state names and addresses of partners. all same address as above

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. G. H. Waterman, M. R. Waterman, Patricia Waterman

*4. Describe the mining and general business experience of (a) the applicant and (b) the person or persons who will manage the project. Will be managed by G. H. Waterman, Pres. and Mgr. of Manufacturers Mineral Co & Mineral Products Corp. Seattle and Chewelah, Wash. producing industrial minerals.

*5. Are you the owner or the lessee of the property? lessees

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. 0

7. If lessee, attach a copy of the lease and state if it is in good standing. lease in good standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
*15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc.
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma-1681X

Date received 6/13/51

Participation

Washington Products Co. Inc.
Box 3144
Seattle 14, Washington

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $50,000.

Mineral or metal Fluorspar

Percentage of Government participation 50%

Location of mine near Keller Washington

Date of filing MF-100 May 31, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? corporation

*2. If a partnership, state names and addresses of partners. all same address as above

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. G. H. Waterman
M. R. Waterman
Patricia Waterman

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Will be managed by G. H. Waterman, Pres. and Mgr. of Manufacturers Mineral Co & Mineral Products Corp. Seattle & Chewelah, Wash. producing industrial minerals.

*5. Are you the owner or the lessee of the property? lessees

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. 0

7. If lessee, attach a copy of the lease and state if it is in good standing. lease in good standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
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    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
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    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
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    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc.
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma-1681 X

Date received 6/13/51

Participation

Washington Products Co. Inc.
Box 3144
Seattle 14, Washington

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 31, 1951

Estimated cost $50,000.

Mineral or metal Fluorspar

Percentage of Government participation 50%

Location of mine near Keller Washington

Date of filing MF-100 May 31, 1951

DMA Docket Number, if available

INSTRUCTIONS

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*1. Is applicant an individual, partnership, or corporation? corporation

*2. If a partnership, state names and addresses of partners. all same address as above

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16—64067-1

THE PROPERTY

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    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

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(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
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*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1681X

Date received 6/13/51

Washington Products Co. Inc.,
Box 3144
Seattle 14, Washington

Name and address of applicant

Date May 31, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Section 124 of the Defense Production Act of 1950~~, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

5 GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Fluorspar
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits. 450'
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. no flooding
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 14 miles from Wilbur, Washington
   (*b*) Mining district. San Poil
   (*c*) Township, Section, Range. Sec. 24, Twp 30 NR 32 EWM NP. Ry Co
   (*d*) County, State. Ferry County, Washington
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. no
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production ~~Off & on since 1939~~

   If not in production or operation, estimated date when production will begin ~~30 days after Gov't assistance~~
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Washington Products Co. controlled by G. H. Waterman, owner of Manufacturers Mineral Co and Mineral Products Corp. who own and operate plants at Seattle and Chewelah, Wash. mining and producing industrial minerals, silica, silica sand, lime rock, crushed marble, whiting, talc, silica flour, metallurgical grade spar produced, leased to others who spent considerable money operation poorly managed and lease cancelled. mostly stock promotion no development work done.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to the application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
G. H. Waterman	Pres & D	0	250,000	50	500	0	0
M. R. Waterman	V. Pres & D	0	wife	25	250	0	0
Patricia Waterman	Sec'y & D	0	daughter	25	250	0	0
	Total		x x x x x	100	1000	x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 100	$ 100	$ 0	100	0
Preferred stock	$ 1000	$ 1000	$ 10.00	1000	4%

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	about 15 carloads of good grade fluorspar have been produced and shi pped from property				
2. Quantity of product processed (specify unit of measure and type of process)	flxuorspar				
3. Quantity and grade of product sold or shipped (specify units of measure)	"	1940 to	1945 about	600tons	

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. propose to sink on vein approx 50' and drift on present vein which should improve with depth. Vein in lower tunnell 58' below upper shows stronger vein than upper tunnell.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Vein runs in almost vertical position and tunnells have followed the vein which runs from 6 inches to about 3 feet. Fluorspar of good grade, low in silica and not high in calcite. Please see Chemists No. 2790 and 2857 products of jig op operation on the property in 1941, this jig not now on the property. Last lessees installed sink and float which worked quite well, this also removed to lead mine. Concentration not difficult, property needs ore development.

16-63702-1

(b) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. See map tunnels follow veins.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: Some ore in stopes and veins but needs development.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(c) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.
14 miles to Wilbur, Wash. on NP Ry, good road, mostly blacktop, Keller, Wash about 5 miles. Bunk house on property needs some repair.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.
Jack Creek runs all year, crosses adjoing claim, this should be sufficient for all year.

15. Power:

State amount of power used, rate per hour, and source thereof. Gas for compressor and other equipment. High power line about 4 miles away.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
new operation. Propose 4 men to start.

17. Equipment and Facilities: Have bunk house and bunkers for ~~metax~~ ore. Quite a lot of pipe under ground for air and water.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
This the only fluorspar mine in the Pac. Northwest where large quantities of spar and used by the ferro-alloy and aluminum plants.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Washington Products Co. Inc
(Name of company)

By [signature]
(Signature of authorized official)

May 31, 1951
(Date)

Pres.
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

dma-1681X

Manufacturers Mineral Company

Non-Metallic Minerals for Industrial Purposes
Granules and Aggregates

WEST 3140
1107 WEST IDAHO ST.
SEATTLE, WASH.

P.O. BOX 3144
SEATTLE, 14, WASHINGTON

May 31, 1951

ASBESTOS
BARYTES
BIRD GRIT
CRUSHED FIREBRICK
CRUSHED ROCK
FELDSPAR
FERTILIZER
FLOURSPAR
GRANITE
MOTHER OF PEARL
POULTRY GRIT
(MT. INDEX BRAND)
GROUND LIMESTONE
IRON OXIDE
MARBLE CHIPS AND GRANULES
BLACK
GOLDEN
LIGHT GREEN
MEDIUM GREEN
PINK
RED
RED VERONA
TRAVERTINE
VERDE
WHITE
YELLOW VERONA
SILICA
DIATOMACEOUS
FLINT SHOT
FLOUR
SAND
SLATE
GRANULES
ROOFING
STEPPING STONES
WALKS
STRONTIUM
STUCCO DASH
TALC
WHITING

Defense Minerals Administration
Dep't of Interior
Washington D. C.

Gentlemen:

Enclosed you will please find application for Exploration Assistance covering a Fluorspar property that the Washington Products Company, our subsidiary, owns at Kellar, Washington.

This property has very favorable possibilities and being the only known Fluorspar deposit in this area it should be developed to assist in the production of light metals and ferro-alloys all of which are in heavy production in this area. If the Department can see fit to go along with us on this, we will do all possible to see that we spend the funds where they will be most beneficial and will, of course, have some production along with the development which should aid in the operation.

We are enclosing forms MF-100 in quadruplicate and form MF-103 in quadruplicate, also the following papers for your examination:

Mining lease, Clara A. Mitchem et al to the writer.

Pen sketch showing the location of the mining claims, also the tunnels.

Two copies of representatives Fluorspar analyses made by Willis H. Otto and which we have found quite dependable.

Will be pleased to have your report on this at your first opportunity.

Yours very truly,

MANUFACTURERS MINERAL COMPANY

G. H. Waterman, President

GHW:am
Encl-12.

1 cf. c c
Property 3520

IN REPLY REFER TO:

G-MD-REVA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

Memorandum

June 27, 1951

To: James A. Barr, Sr., Chairman, Nonmetallics Commodity Committee

From: R. E. Van Alstine

Application for exploration assistance for $50,000.

Subject: DMA-1681X
Washington Products Company, Inc.
Box 3144
Seattle 14, Washington

Subsidiary of
Manufacturers Mineral Co.
Box 3144
Seattle 14, Washington

The following comments are made with regard to the applicant's request for exploration assistance:

Although the applicant provides inadequate or no answers to questions 8, 9, 15, 16, 18, 21, 22, 23, and 24 of Form MF-103, it is recommended that no additional information be requested from him. This property, also called the Mitchem property, is known from published and unpublished records. Two previous attempts were made to mine fluorspar here at times of high prices. The vein was worked in 1918, when 60 tons of fluorspar was mined, and again during the period 1940 to 1945 when about 600 tons of fluorspar was shipped.

The applicant proposes to sink 50 feet and drift on the vein. No data are presented by the applicant or otherwise known to substantiate his claim that the vein "should improve with depth."

The fluorspar occurs as small high-grade lenses along a vein in granite. Stoping of these lenses results in a great amount of dilution by silica-rich rock. The vein is very narrow and ranges in width from 2 inches to 2 feet, averaging 11 inches. In 1943 the two adits were 425 feet long (cf. applicant's figure of 450 feet for present length), and the fluorspar in the two stopes averaged about 13 inches. The ore reserves were reported to be inadequate to supply the jig mill. Later attempts to use sink-float methods did not lead to the production of substantial tonnages of fluorspar.

The estimated reserves in 1943 totalled less than 900 tons of measured, indicated, and inferred fluorspar.

Presumably the product would not be acid-grade but metallurgical-grade fluorspar.

R. E. Van Alstine

R. E. Van Alstine

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

June 27, 1951

Memorandum

To: James A. Barr, Sr., Chairman, Nonmetallics Commodity Committee

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R. E. Van Alstine

June 27, 1951

Memorandum

To: James A. Barr, Sr., Chairman, Nonmetallics Commodity Committee

From: R.E. Van Alstine

Application for exploration assistance for $50,000.

Subject: MA-1681X
Washington Products Company, Inc.
Box 3144
Seattle 14, Washington

Subsidiary of
Manufacturers Mineral Co.
Box 3144
Seattle 14, Washington

The following comments are made with regard to the applicant's request for exploration assistance:

Although the applicant provides inadequate or no answers to questions 8, 9, 15, 16, 18, 21, 22, 23, and 24 of Form MP-103, it is recommended that no additional information be requested from him. This property, also called the Mitchem property, is known from published and unpublished records. Two previous attempts were made to mine fluorspar here at times of high prices. The vein was worked in 1918, when 60 tons of fluorspar was mined, and again during the period 1940 to 1945 when about 600 tons of fluorspar was shipped.

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Presumable the product would not be acid-grade but metallurgical-grade fluorspar.

R. E. Van Alstine

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1681X

Commodity Fluorspar

Total Amount $50,000.00

Govt. Participation 50 %

Deny

1. Name and Address of Applicant Washington Products Co., Inc., Box 3144, Seattle 14, Wash.

2. Location of Property 5 miles from Keller, Wash. San Poil mining district, Sec. 24, T. 30 N., R. 32 E., Ferry Co. - old Mitchem property

3. Mineral or metal Fluorspar Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

✓ b) Poor *

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes - leassee (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? If kept in good standing - Yes.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? —

b) MF-202 Not attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes -

b) Equipment and supplies By purchase or rental can probably get necessary equipment
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes - Electric Power line @ 4mi. Use gasoline motors

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes - Parent company producing industrial minerals

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No -

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? yes -

If not, what part of it is? - Sinking + drifting on vein at lower depth is exploration - Development at present level - development

Is this part a worthwhile exploration project? No — (see Van Alstine statement)

d) Are the cost estimates detailed? None given — No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? none given

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No Yes Ang

11. Exhibit B (question 23-d)*

a) Is it applicable? No data given —

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed?

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? No information given

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? None given

d) Is a field check needed? Yes — (first ask applicant for new information

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No — merely states, "Propose 4 men to start."

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? Insufficient data

d) Are the proposed wages and salaries reasonable? None given

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? No data given - merely states "have bunk house

b) Sufficient data? & bunders (bunkers?) for one

c) Reasonable?

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? No time period given -

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

See my memorandum to Mr. Barr on subject of this application (Van Alstine)
Check geological conditions & whether work proposed would be exploration or development.

Reviewed by: Van Alstine USGS

Roswell M. Rowley BLM 6/28/51

Date 6/26/51

97692

6/15/51

Docket No. DMA 1681X

This application is very inadequate. Most of the questions in form MF103 are not answered + the information given in MF100 is incomplete + poorly explained. Without more definite information & in view of Mr. Van Alstines comments there appears little reason to refer it to the field team until the applicant has furnished more detailed answers to the questions in MF103.

The applicant is a corporation, a subsidiary of an operating producer of industrial minerals, + should be in a position to at least furnish the information requested.

Section 10. Exhibit "A."

As outlined the project is more ~~of a~~ development than exploration although with further explanation as to the particular point of attack + its relation to old stope operations + ore exposures this concept might be changed.

No evidence is submitted to confirm the expectation that the vein will improve with additional depth. Also, the conditions at the point where work will start are not indicated at all.

The application leaves the work to be done strictly up to the applicants discretion + selection. As worded the exploration could be switched to development without advice or difficulty.

Section-11, 12, 13 + 14. Exhibits "B," "C," "D" + "E"

Question 23, MF103, is not answered + the only item mentioned in connection with the points covered therein is the statement, "Propose 4 men to start" (item 16, Labor, page 3, MF100). MF100 does cover items of location, accessibility, water, power, + history - all of minor importance in the loan request.

DMA. 1681 X

6/28/51

Section 16. Recommendation.

The past history of this property is not promising for an increase of high grade fluorite as a result of work at greater depth. If the fluorite supply situation is serious possibly some added production could be secured, at high cost, from a program of exploration + development on this property.

The application could be denied on the grounds that from the information submitted in the present application the prospects of finding appreciable quantities of high grade fluorite appear too slight to justify the investment.

If further study is desired the applicant should be requested to submit a new MF103 with all points covered as indicated in the questions. Reference to the MF100 should not be considered as supplying the required information. On receipt of this modified application the decision can be made as to what action should be taken. There is little use in referring the present application to the field team, especially in view of the load being imposed on them, until further information is obtained from the applicant.

DMQ

FILE COPY
Surname:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

U-RL-REVA
Van Alstine
Davis

Memorandum June 27, 1951

To: James A. Barr, Jr., Chairman, Nonmetallics Commodity Committee

From: R. E. Van Alstine

Application for exploration assistance for $50,000.

Subject: DMA-1631X
Washington Products Company, Inc.
Box 3144
Seattle 14, Washington

Subsidiary of
Manufacturers Mineral Co.
Box 3144
Seattle 14, Washington

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Presumably the product would not be acid-grade but metallurgical-grade fluorspar.

REVan Alstine:jeh
G-6/27/51
copy to: Van Alstine
Norton
Davis
Director's Reading file, 4212

R. E. Van Alstine
DMA files
Branch Reading file, 4212