DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3681

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

Cys to USBM and USGS.

This document has been recorded as

Exploration

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	700	Date	2/15/55
To:	Oper Com.	Date	2-28-55
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

700

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

Surname copy Murphy Ellis

JUL 29 1955

Vitro Uranium Company
600 West 33rd Street
Salt Lake City, Utah

Re: Docket No. DMEA-3681 (Uranium)
W½ sec. 36, T.21 S., R.14 E., SLB&M
Emery County, Utah

Gentlemen:

Reference is made to our letter dated June 24, 1955, in which we stated that the subject docket would be considered closed unless certain information required to process the captioned application had reached this office on or before July 24, 1955. No answer to our letter having been received, we therefore inform you that the subject docket is considered closed effective as of that date.

We regret the necessity of this action and express appreciation for your interest in the exploration program during the period your application has been under consideration.

Sincerely yours,

G. O. Mittendorf

Administrator

Copy to: Edward G. Littel, Attorney
726 Jackson Place, N. W.
Washington 6, D. C.

FMMurphy/gla
7-26-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700 - Mr. Murphy
DMEA Field Team, Region III (2)

R.C.S.

Surname 700
Murphy
Ellis
Mattendorf

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

JUN 24 1955

Vitro Uranium Company
600 West 33rd Street
Salt Lake City, Utah

Re: Docket No. DMEA-3681 (Uranium)
W½ sec. 36, T.21 S., R.14 E., SLBM
Emery County, Utah

Gentlemen:

Reference is made to our letter of March 7, 1955, which requested additional information necessary to process the captioned application.

Inasmuch as we have received no reply, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received within thirty days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Copy to: Edward W. Littel, Attorney
726 Jackson Place, N. W.
Washington 6, D. C.

FMurphy:am
6-23-55
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Aillsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region III(2)

R.C.L.

Surname 700
Murphy
Ellis
Johnson
McBeath

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

Vitro Uranium Company
600 West 33rd Street
Salt Lake City, Utah

MAR 7 - 1955

Re: Docket No. DMEA-3661 (Uranium)
W½ sec. 36, T. 21 S., R. 14 E., SLB&M
Emery County, Utah

Gentlemen:

Your application for aid in an exploration project has been reviewed by our geologists and engineers.

Ordinarily, evidence of mineralization is required before the Defense Minerals Exploration Administration will recommend a project. However, in the exploration for uranium on the Colorado Plateau, structural and stratigraphic criteria suggesting the possibilities of finding uranium-bearing zones in the Morrison, Entrada, Chinle, Shinarump, and Cutler formations are sometimes accepted if such formations are exposed or have been located by drilling or shafting on or adjacent to the land in question.

In your application we note that the Morrison formation is not exposed on your property and that the depth to the surmised mineralized zone in the Salt Wash member is estimated to be about 700 feet. The above information does not provide sufficient data on which to base a determination as to the merits of your proposed project.

In order to aid us in making such a determination, it is required that the following information be supplied:

1 - Four copies of maps indicating the surmised mineral trend, and if possible the sedimentary trend in the subject area.

2 - Data on geological features, such as ore trends, channels, faults, or other structures, etc., favorable to possible ore deposition on your or adjacent property.

3 - Estimated depths and thickness of favorable host rock and other geological data pertinent to ore deposition in these formations.

4 - Assay and sample data of any mineralization encountered on your property or adjacent thereto.

5 - Results of any radiometric logging or surveying.

R.C.G.

Preliminary prospecting should be done in the area of your property to obtain the information required for further consideration of your proposed project. This could be accomplished by drilling a hole or two on your property and then submitting the results of such drilling together with the above required data to this Agency.

We will be pleased to hold your application in abeyance in order to give you sufficient opportunity to do the necessary work to obtain the data outlined above. When more geologic data are available you may wish to modify or amend your application, and this you may do under the present docket number. However, if you do not wish us to keep the present docket open will you kindly advise this Agency as soon as possible.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMurphy:am
3-4-55
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
J. O. Hosted, Rm. 3210,GSA
T. H. Kiilsgaard, Rm. 5224
Code 700
Mr. Murphy
DMEA Field Team, Region III(2)

cc to: Edward G. Littel, Attorney
726 Jackson Place, N. W.
Washington 6, D. C.

Hold

[illegible]

Surname 700
Murphy
Ellis
Hedges
Newcomb
Selfridge

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

Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Docket No. DMEA-3681 (Uranium)
West ½ Section 36, T21S, R14E, SLM
Emery County, Utah

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning the above-described property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied. Such denial, however, is made without prejudice. In the event specific geologic data of a favorable nature are disclosed through limited drilling or other work on your part, we shall be pleased to consider a new application.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

Administrator

FMurphy:am
2-25-55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region III(2)

cc to: Edward G. Littel, Attorney
726 Jackson Place, N. W.
Washington 6, D. C.

(Docket copy) 700

Murphy
Ellis

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

February 25, 1955

Summary of Proposed Project

hold till applicant answers letter requesting further info. JMM.

Object: Denial of application for an exploration project

Docket No.: DMEA-3681

Commodity: Uranium

Applicant: Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Property: West ½ Section 36, T21S, R14E, SLB&M
Emery County, Utah
Applicant is Lessee from State of Utah

Date of Application: November 29, 1954

Amount of Application: $10,000.00

Work proposed:

7 drill holes, average depth 700 feet, rotary non-core drilling @ $2.00/ft.	$9,800.00
Geological services	200.00
Total	$10,000.00

The seven proposed holes are on intervals of 2240 feet on lines spaced 1000 feet apart. The lines start 400 feet from west side line of the section.

Field Team Report: The application was not referred to the Field Team for an examination and report, because in forwarding the application to the Washington office, Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III noted that:

The proposed drill holes were estimated by Applicant to be 700' deep and the nearest known uranium mineralization was 1½ miles away, therefore, more geologic data was needed. Also, the only additional information submitted was

that a hole drilled about one mile east of the property had encountered 4 feet of ore.

Commodity Committee Members' Comments:

U. S. Bureau of Mines - John E. Crawford, February 17, 1955

Recommends denial of present application. He suggests Vitro Uranium Company drill one hole in center of the property to define geology and determine presence of uranium, after which it would be feasible for the Company to submit supplemental information for reconsideration of their request.

U. S. Geological Survey - R. D. Trace, February 18, 1955

Recommends denial as application lacks justification for proposed work. However, Mr. Trace recommends that the door might be left slightly ajar, so that Company could present further data.

Rare and Miscellaneous Metals Division - F. Murphy

The half-section of land on which the Applicant requested exploration work lies about 5 miles east and north of a valley in which the Morrison formation outcrops. There are a number of uranium mines being worked in the area where the Morrison formation is exposed. However, on the subject half-section of land the exposed rock is the Upper Cretaceous Mancos formation, which overlies the Dakota sandstone and Morrison formation respectively. Therefore, to explore the subject property drill holes of considerable length will be required to cut the possible uranium zone in the Morrison formation. The depth of the holes are estimated at 700 feet in the application, however, no specific geologic date is given on which they base this estimate. It is possible that holes of greater depth may be required.

Conclusions and Recommendations:

The drill hole about one mile east of the Vitro property encountered a four foot thickness of 0.40% uranium ore. Therefore, it ispossible that mineralization trends toward the subject property. However, to plan an exploration project more specific geologic data is required. Therefore it is recommended that the present application be denied without prejudice.

Mr. Edward G. Littel, Assistant to the President of Vitro Uranium Corporation, visited the Washington office of DMEA, on February 18, 1955 in regard to the subject application.

He was informed verbally that the present application did not contain sufficient geologic data on which an exploration project could be recommended. However, it was suggested that his company drill a few reconnaissance holes on their property to obtain geologic data. If favorable structure indicating possible mineralization was encountered, then provided with this additional information the DMEA would consider the present or a modified proposal for exploring their property.

Ernest Wm. Ellis

Ernest Wm. Ellis

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

February 25, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project

Docket No.: DMEA-3681

Commodity: Uranium

Applicant: Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Property: West ½ Section 36, T21S, R14E, SLB&M
Emery County, Utah
Applicant is Lessee from State of Utah

Date of Application: November 29, 1954

Amount of Application: $10,000.00

Work proposed:

7 drill holes, average depth 700 feet, rotary non-core drilling @ $2.00/ft.	$9,800.00
Geological services	200.00
Total	$10,000.00

The seven proposed holes are on intervals of 2240 feet on lines spaced 1000 feet apart. The lines start 400 feet from west side line of the section.

Field Team Report: The application was not referred to the Field Team for an examination and report, because in forwarding the application to the Washington office, Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III noted that:

The proposed drill holes were estimated by Applicant to be 700' deep and the nearest known uranium mineralization was 1½ miles away, therefore, more geologic data was needed. Also, the only additional information submitted was

that a hole drilled about one mile east of the property had encountered 4 feet of ore.

Commodity Committee Members' Comments:

U. S. Bureau of Mines - John E. Crawford, February 17, 1955

Recommends denial of present application. He suggests Vitro Uranium Company drill one hole in center of the property to define geology and determine presence of uranium, after which it would be feasible for the Company to submit supplemental information for reconsideration of their request.

U. S. Geological Survey - R. D. Trace, February 18, 1955

Recommends denial as application lacks justification for proposed work. However, Mr. Trace recommends that the door might be left slightly ajar, so that Company could present further data.

Rare and Miscellaneous Metals Division - F. Murphy

The half-section of land on which the Applicant requested exploration work lies about 5 miles east and north of a valley in which the Morrison formation outcrops. There are a number of uranium mines being worked in the area where the Morrison formation is exposed. However, on the subject half-section of land the exposed rock is the Upper Cretaceous Mancos formation, which overlies the Dakota sandstone and Morrison formation respectively. Therefore, to explore the subject property drill holes of considerable length will be required to cut the possible uranium zone in the Morrison formation. The depth of the holes are estimated at 700 feet in the application, however, no specific geologic date is given on which they base this estimate. It is possible that holes of greater depth may be required.

Conclusions and Recommendations:

The drill hole about one mile east of the Vitro property encountered a four foot thickness of 0.40% uranium ore. Therefore, it impossible that mineralization trends toward the subject property. However, to plan an exploration project more specific geologic data is required. Therefore it is recommended that the present application be denied without prejudice.

Mr. Edward G. Littel, Assistant to the President of Vitro Uranium Corporation, visited the Washington office of DMEA, on February 18, 1955 in regard to the subject application.

He was informed verbally that the present application did not contain sufficient geologic data on which an exploration project could be recommended. However, it was suggested that his company drill a few reconnaissance holes on their property to obtain geologic data. If favorable structure indicating possible mineralization was encountered, then provided with this additional information the DMEA would consider the present or a modified proposal for exploring their property.

Ernest Wm. Ellis

Ernest Wm. Ellis

FMurphy:am
2-25-55
cc to: Admr. Reading File
Operating Committee
Docket (original)
Code 700
Mr. Murphy

Operating Committee

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

February 25, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project

Docket No.: DMEA-3681

Commodity: Uranium

Applicant: Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Property: West ½ Section 36, T21S, R14E, SL&M
Emery County, Utah
Applicant is Lessee from State of Utah

Date of Application: November 29, 1954

Amount of Application: $10,000.00

Work proposed:

7 drill holes, average depth 700 feet, rotary non-core drilling @ $2.00/ft.	$9,800.00
Geological services	200.00
Total	$10,000.00

The seven proposed holes are on intervals of 2240 feet on lines spaced 1000 feet apart. The lines start 400 feet from west side line of the section.

Field Team Report: The application was not referred to the Field Team for an examination and report, because in forwarding the application to the Washington office, Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III noted that:

The proposed drill holes were estimated by Applicant to be 700' deep and the nearest known uranium mineralization was 1½ miles away, therefore, more geologic data was needed. Also, the only additional information submitted was

Reviewed by
DMEA OPERATING COMMITTEE
2-28-55
(date)

that a hole drilled about one mile east of the property had encountered 4 feet of ore.

Commodity Committee Members' Comments:

U. S. Bureau of Mines - John E. Crawford, February 17, 1955

Recommends denial of present application. He suggests Vitro Uranium Company drill one hole in center of the property to define geology and determine presence of uranium, after which it would be feasible for the Company to submit supplemental information for reconsideration of their request.

U. S. Geological Survey - R. D. Trace, February 18, 1955

Recommends denial as application lacks justification for proposed work. However, Mr. Trace recommends that the door might be left slightly ajar, so that Company could present further data.

Rare and Miscellaneous Metals Division - F. Murphy

The half-section of land on which the Applicant requested exploration work lies about 5 miles east and north of a valley in which the Morrison formation outcrops. There are a number of uranium mines being worked in the area where the Morrison formation is exposed. However, on the subject half-section of land the exposed rock is the Upper Cretaceous Mancos formation, which overlies the Dakota sandstone and Morrison formation respectively. Therefore, to explore the subject property drill holes of considerable length will be required to cut the possible uranium zone in the Morrison formation. The depth of the holes are estimated at 700 feet in the application, however, no specific geologic date is given on which they base this estimate. It is possible that holes of greater depth may be required.

Conclusions and Recommendations:

The drill hole about one mile east of the Vitro property encountered a four foot thickness of 0.40% uranium ore. Therefore, it ispossible that mineralization trends toward the subject property. However, to plan an exploration project more specific geologic data is required. Therefore it is recommended that the present application be denied without prejudice.

Mr. Edward G. Littel, Assistant to the President of Vitro Uranium Corporation, visited the Washington office of DMEA, on February 18, 1955 in regard to the subject application.

He was informed verbally that the present application did not contain sufficient geologic data on which an exploration project could be recommended. However, it was suggested that his company drill a few reconnaissance holes on their property to obtain geologic data. If favorable structure indicating possible mineralization was encountered, then provided with this additional information the DMEA would consider the present or a modified proposal for exploring their property.

Ernest Wm. Ellis

Ernest Wm. Ellis

FMurphy:am
2-25-55
cc to: Admr. Reading File
Operating Committee
Docket (original)
Code 700
Mr. Murphy

2/25/55 gla

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
FEB 23 1955

February 18, 1955

Re: DMEA-3681
Vitro Uranium Co.
Utah State lease
Near Green River
Emery Co., Utah
$10,000 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: R. D. Trace, U. S. Geological Survey

Subject: Review of application

The applicant does not present any data to justify his program. Ore bodies that occur from $1\frac{1}{2}$ to $2\frac{1}{2}$ miles away are not justification. At the very least, some geologic evidence such as trends, should be presented. A little exploration by the company might be of great assistance.

I recommend that the application be denied. The door might be left slightly ajar, however, so that the company could present further data.

Bob Trace
R. D. Trace

IN REPLY REFER TO:

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

February 18, 1955

Re: DMEA-3681
Vitro Uranium Co.
Utah State lease
Near Green River
Emery Co., Utah
$10,000 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: R. B. Trace, U. S. Geological Survey

Subject: Review of application

The applicant does not present any data to justify his program. Ore bodies that occur from 1½ to 2½ miles away are not justification. At the very least, some geologic evidence such as trends, should be presented. A little exploration by the company might be of great assistance.

I recommend that the application be denied. The door might be left slightly ajar, however, so that the company could present further data.

R. B. Trace

Copy to: DMEA (3)

IN REPLY REFER TO:

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

February 18, 1955

Re: DMEA-3681
Vitro Uranium Co.
Utah State lease
Near Green River
Emery Co., Utah
$10,000 - Uranium

Memorandum

To: R. W. Ellis, Defense Minerals Exploration Administration

From: R. B. Tuson, U. S. Geological Survey

Subject: Review of application

The applicant does not present any data to justify his program. Ore bodies that occur from 1½ to 2½ miles away are not justification. At the very least, some geologic evidence such as trends, should be presented. A little exploration by the company might be of great assistance.

I recommend that the application be denied. The door might be left slightly ajar, however, so that the company could present further data.

R. B. Tuson

Copy to: DMEA (3)

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

February 18, 1955

Re: DMEA-3681
Vitro Uranium Co.
Utah State lease
Near Green River
Emery Co., Utah
$10,000 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: R. D. Trace, U. S. Geological Survey

Subject: Review of application

The applicant does not present any data to justify his program. Ore bodies that occur from 1½ to 2½ miles away are not justification. At the very least, some geologic evidence such as trends, should be presented. A little exploration by the company might be of great assistance.

I recommend that the application be denied. The door might be left slightly ajar, however, so that the company could present further data.

R. D. Trace

Copy to: DMEA (3)

2/18/55 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 17 1955

February 17, 1955

Memorandum

To: Ernest W. Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3681, Vitro Uranium Company, 600 West 33rd South, Salt Lake City, Utah

I have reviewed the application of the Vitro Uranium Company, DMEA Docket 3681, and have discussed it with Mr. Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We recommend that the application presented by Vitro Uranium Company be denied. A study of the data submitted by the organization revealed no evidence of uranium mineralization on the claims in the West ½ of Section 36, T. 21 S., R. 14 E., Emery County, Utah, nor does the property appear more favorably located geologically and geographically than many others on the Colorado Plateau.

R14E

Unless the Defense Minerals Exploration Administration is prepared to offer geologic exploration assistance or prospecting aid, such applications should not be given serious consideration. A number of similar applications have been recommended for denial by the writer in the past for lack of appropriate information, and to suggest approval of Vitro's application could set an undesirable precedent with, perhaps, unfortunate effects upon DMEA's uranium exploration assistance program.

Mr. Hosted and I suggest that Vitro might put down one hole in the center of the property to define the geology of the section and determine the presence of uranium, after which it would be feasible for the company to submit supplemental information to the DMEA for reconsideration of their request.

John E. Crawford
John E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Defense Minerals Adm.
RECEIVED

February 17, 1955

Memorandum

To: Ernest W. Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3681, Vitro Uranium Company, 600 West 33rd South, Salt Lake City, Utah

I have reviewed the application of the Vitro Uranium Company, DMEA Docket 3681, and have discussed it with Mr. Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We recommend that the application presented by Vitro Uranium Company be denied. A study of the data submitted by the organization revealed no evidence of uranium mineralization on the claims in the West ½ of Section 36, T. 21 S., R. 15 E., Emery County, Utah, nor does the property appear more favorably located geologically and geographically than many others on the Colorado Plateau.

14

Unless the Defense Minerals Exploration Administration is prepared to offer geologic exploration assistance or prospecting aid, such applications should not be given further consideration. A number of similar applications have been recommended for denial by the writer in the past for lack of appropriate information, and to suggest approval of Vitro's application could set an undesirable precedent with, perhaps, unfortunate effects upon DMEA's uranium exploration assistance program.

Mr. Hosted and I suggest that Vitro might put down one hole in the center of the property to define the geology of the section and determine the presence of uranium, after which it would be feasible for the company to submit supplemental information to the DMEA for reconsideration of their request.

John B. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. B. Crawford
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

February 17, 1955

Memorandum

To: Ernest W. Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3681, Vitro Uranium Company, 600 West 33rd South, Salt Lake City, Utah

I have reviewed the application of the Vitro Uranium Company, DMEA Docket 3681, and have discussed it with Mr. Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We recommend that the application presented by Vitro Uranium Company be denied. A study of the data submitted by the organization revealed no evidence of uranium mineralization on the claims in the West ½ of Section 36, T. 21 S., R. 15 E., Emery County, Utah, nor does the property appear more favorably located geologically and geographically than many others on the Colorado Plateau.

14 Unless the Defense Minerals Exploration Administration is prepared to offer geologic exploration assistance or prospecting aid, such applications should not be given serious consideration. A number of similar applications have been recommended for denial by he writer in the past for lack of appropriate information, and to suggest approval of Vitro's application could set an undesirable precedent with, perhaps, unfortunate effects upon DMEA's uranium exploration assistance program.

Mr. Hosted and I suggest that Vitro might put down one hole in the center of the property to define the geology of the section and determine the presence of uranium, after which it would be feasible for the company to submit supplemental information to the DMEA for reconsideration of their request.

John E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford
Files

Crawford

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3681
Metal or Mineral Uranium-Vanadium
Date Received 2-14-55
Estimated Cost $10,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Vitro Uranium Company, a division of the Vitro Corporation of America - 600 West 33rd South, Salt Lake City, Utah - a Delaware Corporation

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract West 1/2 of Section 36, T 21 S, R 14 E
Emery County, Utah

(*b*) State any mine name by which the property is known. None

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise lessee from State of Utah

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. None

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will to explore Uranium - Vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 90 days and be completed within 25 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated November 29, 1954

Vitro Uranium Company, a division of the Vitro Corporation of America
(Applicant)

By W B Hall

General Manager

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—66551-1

DMEA APPLICATION BY VITRO URANIUM COMPANY
FOR ~~EAST~~ West 1/2 OF SECT. 36, T 21 S, R 14 E, EMERY COUNTY, UTAH

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

1-(c) President - J. Carlton Ward, Jr.
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Executive Vice President
George White
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Treasurer & Controller -
Raymond T. Ruder
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Secretary - William H. Denne, Jr.
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

4-(c) The subject property lies wholly on the Upper Cretaceous Mancos shale, which overlies the Dakota sandstone and Morrison formation respectively. Sedimentary beds in the area are dipping approximately two degrees to the northeast. No major faulting is evident on the subject property. No mineralization can be observed on the surface of the property.

The applicant desires to explore this property as a major bedded-type uranium deposit has been located approximately 2½ miles to the northwest in the same Salt Wash member of the Morrison formation that occurs on the subject property at depth. Also, excellent showings of uranium mineralization have been located approximately 1½ miles southwest of the subject property.

4-(d) The subject property is readily accessible by traveling west from Green River, Utah, on U. S. Highway 40 a distance of 8 miles; thence, southwest on the Cottonwood-Saleratus wash road for 7 miles to the property. The shipping point for any uranium ore production would be Green River, Utah, a total distance of 15 miles. The last two miles of Cottonwood-Saleratus wash road to the property will require improvement. This section of road, however, is over relatively flat and easily worked area.

Supply and residence point for the property would be Green River, Utah.

4-(e) Manpower, materials, supplies, and equipment are readily obtained in Green River, Utah, which is rapidly becoming a major supply point for uranium mining in the area. Water for equipment, drilling operations, etc. may be obtained in the immediate area as several reservoirs exist within 1 or 2 miles of the property. Culinary water and fuel for power equipment must be hauled from Green River, Utah.

5-(b) The proposed exploration program is to drill the subject property by use of non-core rotary drilling equipment. The hole can then be probed for radioactivity indicating the presence of uranium ore. This method has proved satisfactory in the area as the uranium ore is in equilibrium with radiometric activity.

Drilling depth is estimated to be approximately 700 feet to the base of the Salt Wash member of the Morrison formation. Seven holes spaced on a grid work, as shown by the accompanying map, at approximately 1400 foot centers will be drilled. This number of holes would total 4900 feet of total drilling footage. After drilling the first two or possibly 3 holes, the depth to the base of the Salt Wash may be more firmly established. Also, information from other operations in the area shows that the ore bearing horizon occurs 100 to 150 feet above the base of the Salt Wash. Thus, if an ore horizon is established in the first few holes, it may not be necessary to drill all holes to the base of the Salt Wash.

Although the above drilling is rather deep, the applicant believes that the type of ore body that may be found warrants such deep drilling. The aforementioned major discovery to the northwest is in excess of 100,000 tons of ore with an average value of $40 per ton.

5-(d) The Vitro Uranium Company has been active in the uranium industry since January 1951 in milling operations. Since October 1953 the Company has been active in the field of Uranium ore exploration. At the present time the company is engaged in drilling and exploration operations for uranium ore in southern Utah and Wyoming.

The project will be under the direction and supervision of:

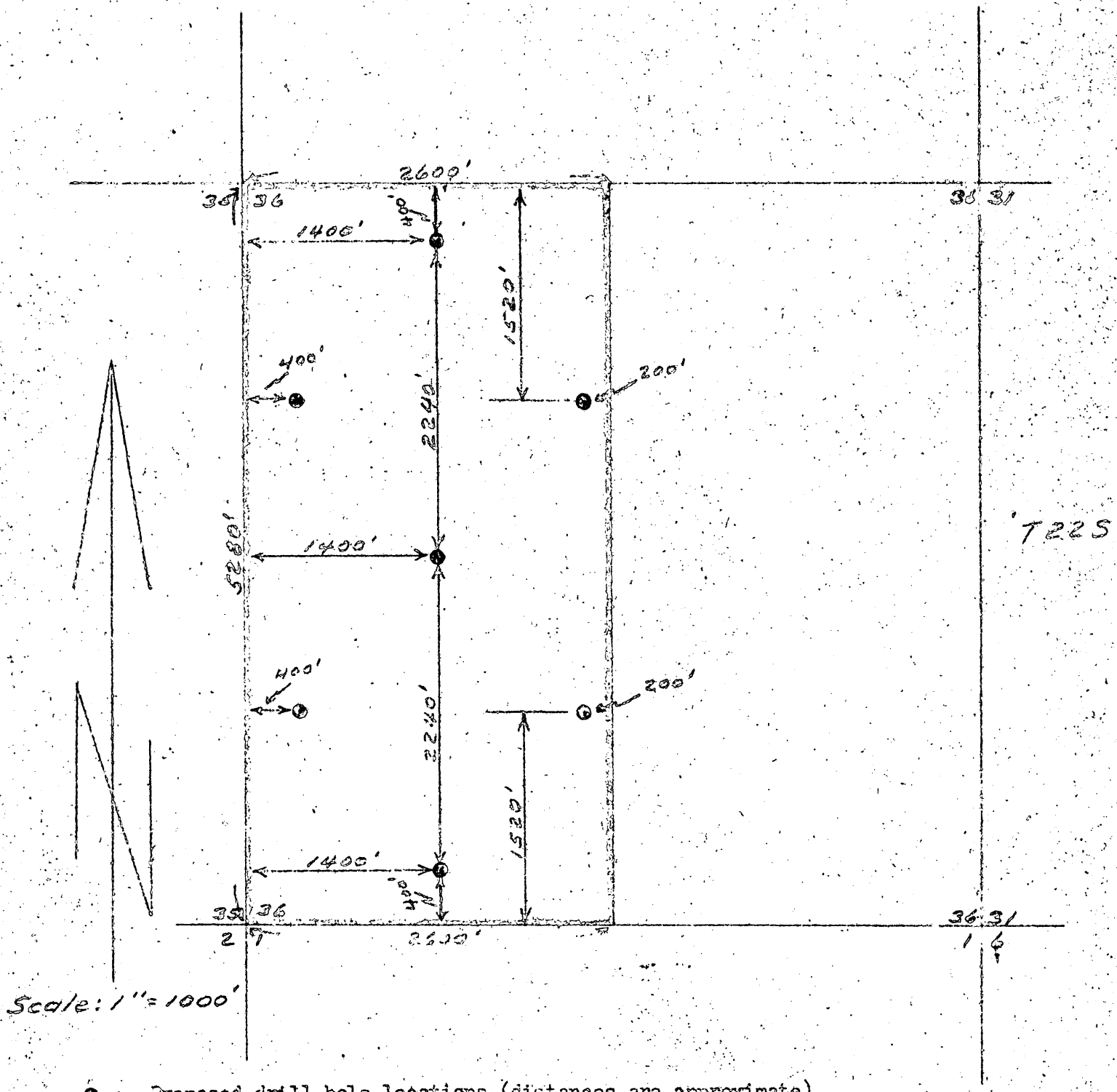
1. Jack O. Horton, Geologist and Manager of the Ore Department of Vitro Uranium Company.

2. Robert B. Coleman, Assistant to the Manager of Vitro Ore Department.

3. Cecil Smith, Geologist.

6-(a)	Independent Contracts	
	4900 feet @ $2.00 per foot =	$ 9800
(b)	Geological Services	200
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	None	
(h)	None	
	Total =	$10,000

VITRO URANIUM PROPERTY



● — Proposed drill hole locations (distances are approximate).

PROPOSED DRILL LAYOUT OF WEST HALF OF SECTION 36, T 21 S, R 14 E, GREENRIVER MINING DISTRICT, EMERY COUNTY, UTAH

February 15, 1955
Subject: DMEA 3681
Re: Exploration Assistance

Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Gentlemen:

The receipt of your application dated November 29, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3681 and referred to the Rare and Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

February 15, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA - 3681 Vitro Uranium Company

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

224 New Customhouse
Denver 2, Colorado

February 11, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Undocketed application of Vitro Uranium Company, Emery County, Utah

There are enclosed three copies of the captioned application for Government loan assistance, in conformance with your letter on the subject application dated February 2, 1955, and complying with telephone advice from C.O. Mittendorf this date.

An analysis of the original application by this office indicated the necessity of obtaining more geologic data from the applicant since he requested drilling holes 700 feet deep to prospect the Salt Wash member of the Morrison formation as the nearest known uranium mineralization was $1\frac{1}{2}$ miles southwest of the subject property. The only additional information we have been able to obtain from the applicant is that now a discovery has been made approximately one mile from the property. Copies of all correspondence in this case have been forwarded to your office.

During the present uranium boom with the resulting flood of applications we cannot determine how much correspondence will be required to get sufficient information to complete the application, so in the future all applications will be forwarded to your office for docketing and we will make an attempt to get the required information from the applicant after the application is docketed and before the application is referred to the field for examination, unless you undertake to obtain the information at the Washington level.

In the past it has been our policy, in accordance with your instructions, that all docketed applications be referred to the field for examination.

Not owned Ordinary

W. M. Traver

W. M. Traver

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

224 New Customhouse
Denver 2, Colorado

February 11, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Undocketed application of Vitro Uranium Company, Emery County, Utah

There are enclosed three copies of the captioned application for Government loan assistance, in conformance with your letter on the subject application dated February 2, 1955, and complying with telephone advice from C.O. Mittendorf this date.

An analysis of the original application by this office indicated the necessity of obtaining more geologic data from the applicant since he requested drilling holes 700 feet deep to prospect the Salt Wash member of the Morrison formation as the nearest known uranium mineralization was 1½ miles southwest of the subject property. The only additional information we have been able to obtain from the applicant is that now a discovery has been made approximately one mile from the property. Copies of all correspondence in this case have been forwarded to your office.

During the present uranium boom with the resulting flood of applications we cannot determine how much correspondence will be required to get sufficient information to complete the application, so in the future all applications will be forwarded to your office for docketing and we will make an attempt to get the required information from the applicant after the application is docketed and before the application is referred to the field for examination, unless you undertake to obtain the information at the Washington level.

In the past it has been our policy, in accordance with your instructions, that all docketed applications be referred to the field for examination.

W. M. Traver

W. M. Traver

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DEPARTMENT OF THE INTERIOR
Washington
RECEIVED
FEB 14 1955

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3681
Metal or Mineral Uranium-Vanadium
Date Received 2-14-55
Estimated Cost $10,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Vitro Uranium Company, a division of the Vitro Corporation of America - 600 West 33rd South, Salt Lake City, Utah - a Delaware Corporation

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract West 1/2 of Section 36, T 21 S, R 14 E

Emery County, Utah

(*b*) State any mine name by which the property is known. None

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise lessee from State of Utah

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. None

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will to explore Uranium - Vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 90 days and be completed within 3.5 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated November 29, 1954

Vitro Uranium Company, a division of the Vitro Corporation of America
(Applicant)

By W B Hall

General Manager

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—66551-1

DEPARTMENT OF THE INTERIOR
Domestic Minerals Administration
RECEIVED
FEB 14 1955

DMEA APPLICATION BY VITRO URANIUM COMPANY
FOR ~~EAST~~ West 1/2 OF SECT. 36, T 21 S, R 14 E, EMERY COUNTY, UTAH

1-(c) President - J. Carlton Ward, Jr.
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Executive Vice President
George White
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Treasurer & Controller -
Raymond T. Ruder
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

Secretary - William H. Denne, Jr.
Vitro Corporation of America
261 Madison Avenue
New York City 16, New York

4-(c) The subject property lies wholly on the Upper Cretaceous Mancos shale, which overlies the Dakota sandstone and Morrison formation respectively. Sedimentary beds in the area are dipping approximately two degrees to the northeast. No major faulting is evident on the subject property. No mineralization can be observed on the surface of the property.

The applicant desires to explore this property as a major bedded-type uranium deposit has been located approximately 2½ miles to the northwest in the same Salt Wash member of the Morrison formation that occurs on the subject property at depth. Also, excellent showings of uranium mineralization have been located approximately 1½ miles southwest of the subject property.

4-(d) The subject property is readily accessible by traveling west from Green River, Utah, on U. S. Highway 40 a distance of 8 miles; thence, southwest on the Cottonwood-Saleratus wash road for 7 miles to the property. The shipping point for any uranium ore production would be Green River, Utah, a total distance of 15 miles. The last two miles of Cottonwood-Saleratus wash road to the property will require improvement. This section of road, however, is over relatively flat and easily worked area.

Supply and residence point for the property would be Green River, Utah.

4-(e) Manpower, materials, supplies, and equipment are readily obtained in Green River, Utah, which is rapidly becoming a major supply point for uranium mining in the area. Water for equipment, drilling operations, etc. may be obtained in the immediate area as several reservoirs exist within 1 or 2 miles of the property. Culinary water and fuel for power equipment must be hauled from Green River, Utah.

5-(b) The proposed exploration program is to drill the subject property by use of non-core rotary drilling equipment. The hole can then be probed for radioactivity indicating the presence of uranium ore. This method has proved satisfactory in the area as the uranium ore is in equilibrium with radiometric activity.

Drilling depth is estimated to be approximately 700 feet to the base of the Salt Wash member of the Morrison formation. Seven holes spaced on a grid work, as shown by the accompanying map, at approximately 1400 foot centers will be drilled. This number of holes would total 4900 feet of total drilling footage. After drilling the first two or possibly 3 holes, the depth to the base of the Salt Wash may be more firmly established. Also, information from other operations in the area shows that the ore bearing horizon occurs 100 to 150 feet above the base of the Salt Wash. Thus, if an ore horizon is established in the first few holes, it may not be necessary to drill all holes to the base of the Salt Wash.

Although the above drilling is rather deep, the applicant believes that the type of ore body that may be found warrants such deep drilling. The aforementioned major discovery to the northwest is in excess of 100,000 tons of ore with an average value of $40 per ton.

5-(d) The Vitro Uranium Company has been active in the uranium industry since January 1951 in milling operations. Since October 1953 the Company has been active in the field of Uranium ore exploration. At the present time the company is engaged in drilling and exploration operations for uranium ore in southern Utah and Wyoming.

The project will be under the direction and supervision of:

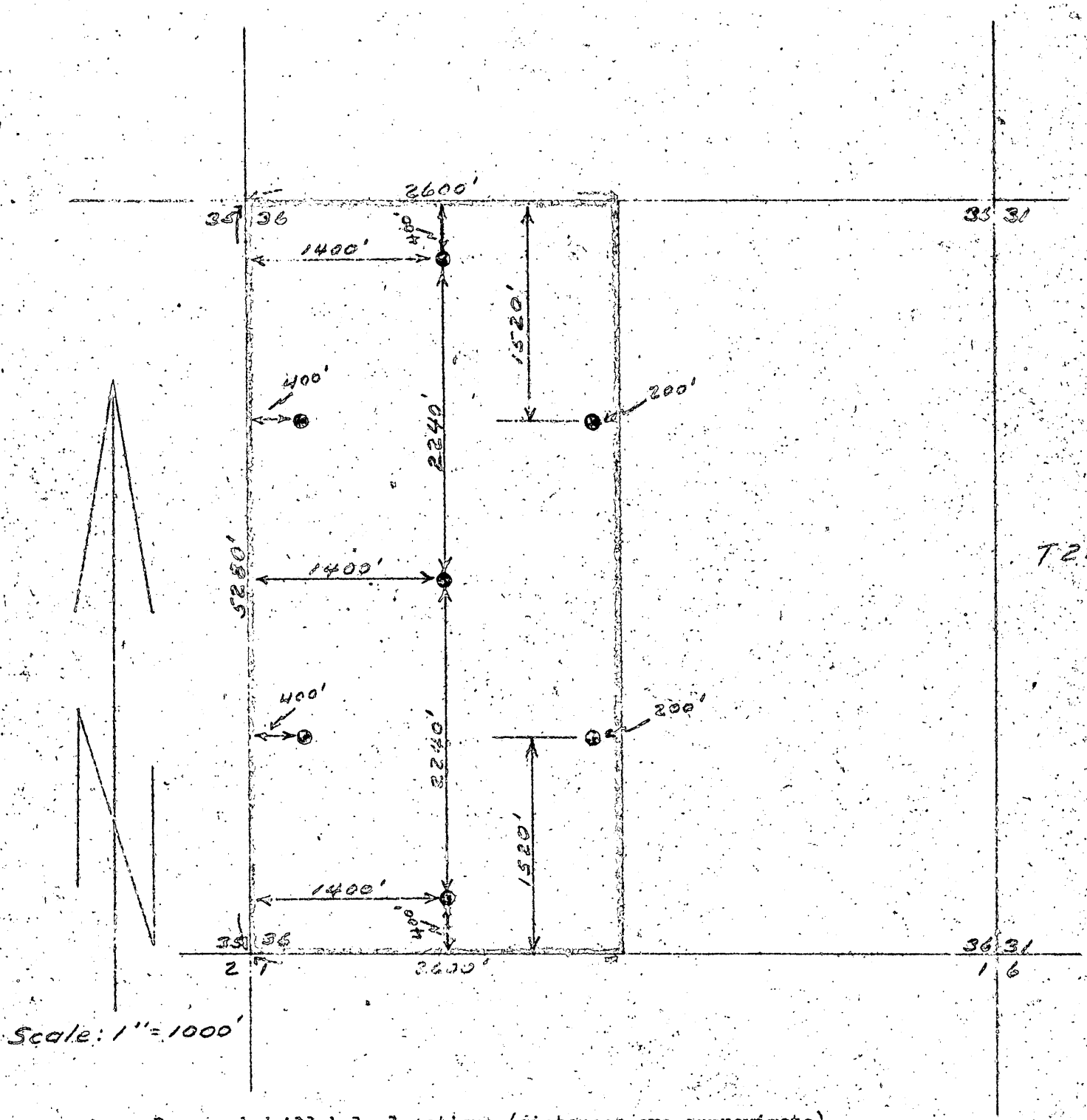
1. Jack O. Horton, Geologist and Manager of the Ore Department of Vitro Uranium Company.

2. Robert B. Coleman, Assistant to the Manager of Vitro Ore Department.

3. Cecil Smith, Geologist.

6-(a)	Independent Contracts	
	4900 feet @ $2.00 per foot =	$ 9800
(b)	Geological Services	200
(c)	None	
(d)	None	
(e)	None	
(f)	None	
(g)	None	
(h)	None	
	Total =	$10,000

VITRO URANIUM PROPERTY



● — Proposed drill hole locations (distances are approximate)

PROPOSED DRILL LAYOUT OF WEST HALF OF SECTION 36, T 21 S, R 14 E, GREENRIVER MINING DISTRICT, EMERY COUNTY, UTAH

FILE COPY
SURNAME:

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

FEB 7 1955

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Undocketed Application (Uranium)
Vitro Uranium Company
West ½ Section 36, T21S, R14E
Emery County, Utah

Dear Mr. Traver:

Reference is made to your letter of January 24, 1955 enclosing copy of letter dated January 19, 1955 to Mr. W. H. King from the Vitro Uranium Company, and copy of your reply of January 24, 1955.

We do not understand why the usual copies of the subject application have not been forwarded to this office. We have had a number of inquiries regarding this application and have been at a loss to answer them without having a copy of the application available. This has placed the Administration in an embarrassing position. Evidently, your office has had a fair amount of business in connection with the application as noted from copies of correspondence relating thereto which have been forwarded to this office from time to time.

We wish to point out that if an application is filed on a DMEA form, unless it is hopelessly inadequate, the usual copies should be forwarded to this office for review and the issuance of an identifying number. In case the application is hopelessly inadequate, it should be returned to the applicant in its entirety with advice as to its shortcomings and specific requirements to be fulfilled so as to make it acceptable. The lack of some portion of required information is not sufficient cause for rejecting an application. In no case should an application be held and lengthy correspondence carried on without copies of the application being forwarded to Washington and an identifying number obtained.

A.C.S.

In your letter of January 24, 1955 to Vitro Uranium Company you state "(areas where the presence of uranium has been established by chemical assay). The existence of anomalies on your property or mineralization at a distance of a mile from your property is not sufficient for our needs." This statement is misleading and not in accordance with DMEA policy. We have gone into many projects where uranium mineralization on the applicant's property was not established by chemical analyses. Also we have entered into contracts for drilling anomalies in what were considered favorable areas. However, we do not favor performing work solely for the purpose of obtaining geological information.

We must not lose sight of the main criterion for judging the merits of a project, namely, "The geological probability of making a significant discovery". This does not mean that commercial ore at current market prices must be exposed or encountered on the property. Of course mineralization is one of the guides used, but trends, structures, favorable host rocks, channels, possible ore traps, etc., must also be considered.

In our concept of exploration the percentage of chance enters into the picture, in other words, what is the percentage of possibility in making a discovery in the opinion of those making the recommendations on the proposal; has it a 25 to 75, 50 to 50, or 75 to 25 chance to find ore? In arriving at an opinion as above indicated, it is well to list all the favorable conditions in one column, and all of the unfavorable conditions in another, and compare the two columns. Usually ones opinion would be weighted in favor of the column listing the most conditions.

We of course do not want to go into so-called "wildcatting", or pure prospecting, neither do we want to go into development that consists of blocking out ore, or is primarily for mining purposes. A mean, somewhere between these two extremes should be adopted, but the conditions involved in each case should influence the decision. The size of the target is important. If the expected returns are greater more chance can be taken. We do not want to spend $100,000 looking for a possible $10,000 target, but we are willing to spend $200,000 looking for a possible $10,000,000 target.

We agree with you that the field staff cannot become involved in work that would result in their doing consulting work for the applicants. It must be remembered, however, that the information obtained by a field examination is for the Government's benefit and not for the operator's. We do not rely on statements of the operator, reports by his engineers or geologists, or his sampling results, although useful to us, unless confirmed by the results of the field team examination.

In the uranium field it must be remembered that DMEA has access to AEC information, not always available to applicants, in evaluating projects. Consequently, we should rely on this information when available and not require applicants to confirm what AEC work has indicated by doing additional work. It is our purpose to get the facts, and if needed to do this, an examination should be made.

We should encourage exploration by doing everything to assist the applicant and operator to find ore, but not to the extent of doing his work. We are, however, under obligation to obtain data for the Government on which to base a decision.

The problems involved are ones that are resolved by good judgment, based on training and experience. In cases of using good judgment, there are frequent differences of opinion which must be considered. Consequently, there must be some final authority to make a decision in many cases. We have, therefore, endeavored to put some of our thoughts on this subject in writing so that they may be useful to you in evaluating proposals in accordance with our interpretation of the DMEA program to encourage exploration.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

FEJohnson/bih - 2/3/55
cc to: Mails and Files
Admr. Reading File
Operating Committee
Messrs. Hedges - Room 4604
Kiilsgaard - Room 5227
J.O.Hosted - Room 3210 GSA Bldg.
J.E.Crawford - Room 3641 B of M
Ellis
Selfridge
F.E.Johnson

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1955

224 New Customhouse
Denver 2, Colorado

January 24, 1955

Memorandum

To: Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Undocketed application, (Uranium), Vitro Uranium Company, W½ Section 36, T-21-S, R-14-E, Emery County, Utah

Reference is made to your letter dated January 6, 1955 concerning the subject docket. As you state that you desire to be informed of future action taken by this office, please find enclosed a photostat of a letter received from the applicant and two copies of our answering letter.

W. M. Traver

Enclosures

W. M. Traver

RDB:pw

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1955

224 New Customhouse
Denver 2, Colorado

January 24, 1955

Memorandum

To: Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Undocketed application, (Uranium), Vitro Uranium Company, W½ Section 36, T-21-S, R-14-E, Emery County, Utah

Reference is made to your letter dated January 6, 1955 concerning the subject docket. As you state that you desire to be informed of future action taken by this office, please find enclosed a photostat of a letter received from the applicant and two copies of our answering letter.

W. M. Traver

W. M. Traver

Enclosures

RDBepw

cc: Subject
Chron

DEPARTMENT OF THE INTERIOR
Bureau Minerals Administration
ALBUQUERQUE
JAN 27 1955

224 New Customhouse
Denver 2, Colorado

January 24, 1955

W. B. Hall, General Manager
Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Application for DMEA assistance (Uranium),
Vitro Uranium Company, W½ Section 36,
T-21-S, R-14-E, Emery County, Utah

Dear Mr. Hall:

We hereby acknowledge receipt of a letter from Robert B. Coleman, Ore Department, Vitro Uranium Company, concerning the possibility of ore deposits on the subject property. Your application and the additional information supplied by Mr. Coleman indicates your property to be worthy of further prospecting, but Government assistance under the DMEA program for uranium must be for the further exploration of definite target areas (areas where the presence of uranium has been established by chemical assay). The existence of anomolies on your property or mineralization at a distance of a mile from your property is not sufficient for our needs.

Do any mineralized outcrops exist on this property which you believe worthy of further exploration or have any drill holes penetrated mineralization which you would like to examine further?

If additional prospecting indicates mineralization to exist and you desire to further explore this showing, a revision of your application is in order, at which time we will be pleased to process it for you.

Yours very truly,

W. M. TRAVER

W. M. Traver
Executive Officer
DMEA Field Team, Region III

EDB:pw

cc: Subject
Chron
Sec.Sp.Comm (2)
Bark

JAN 27 1955

224 New Customhouse
Denver 2, Colorado

January 24, 1955

W. B. Hall, General Manager
Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Application for DMEA assistance (Uranium),
Vitro Uranium Company, W½ Section 36,
T-21-S, R-14-E, Emery County, Utah

Dear Mr. Hall:

We hereby acknowledge receipt of a letter from Robert B. Coleman, Ore Department, Vitro Uranium Company, concerning the possibility of ore deposits on the subject property. Your application and the additional information supplied by Mr. Coleman indicates your property to be worthy of further prospecting, but Government assistance under the DMEA program for uranium must be for the further exploration of definite target areas (areas where the presence of uranium has been established by chemical assay). The existence of anomolies on your property or mineralization at a distance of a mile from your property is not sufficient for our needs.

Do any mineralized outcrops exist on this property which you believe worthy of further exploration or have any drill holes penetrated mineralization which you would like to examine further?

If additional prospecting indicates mineralization to exist and you desire to further explore this showing, a revision of your application is in order, at which time we will be pleased to process it for you.

Yours very truly,

W. M. TRAVER

W. M. Traver
Executive Officer
DMEA Field Team, Region III

MDB:pw

cc: Subject
Chron
Sec.Sp.Comm (2)
Rank

Vitro URANIUM COMPANY
A DIVISION OF VITRO CORPORATION OF AMERICA

600 WEST 33rd SOUTH STREET • SALT LAKE CITY 15, UTAH • TELEPHONE 7-1501

January 19, 1955

DEPARTMENT OF THE INTERIOR
Bureau Mines Conservation
Date Rec'd
JAN 27 1955
JAN 21 1955
BUREAU OF MINES
Denver, Colorado

Mr. W. H. King
Executive Officer, DMEA
Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

RE: Vitro Uranium Company - Application W 1/2 Section 36, T 21 S, R 14 E, Emery County, Utah

Dear Mr. King:

In reply to your letter of January 11, 1954, we are submitting to you the following geologic information regarding favorability of the West 1/2 of our school section 36.

1. A mineral belt appears to exist in the area which strikes approximately S 50° E from the major discovery of the Four Corners Uranium Company. Existence and direction of this belt is established by the discovery of five individual ore bodies in this belt zone. The West 1/2 of section 36 is located on the southeasterly trend of the mineral belt.

2. A published Geological Survey Bulletin 951 by A. A. Baker, titled "Geology of the Green River Desert - Cataract Canyon Region, Emery, Wayne, and Garfield Counties, Utah" verifies the existence of the Salt Wash member of the Morrison formation in the region of section 36. This report states that the Salt Wash section is approximately 200 feet thick. Experience has shown that 200 feet thickness of Salt Wash is sufficient for possible ore deposition.

3. After filing of the loan application for the West 1/2 of Section 36, an operator in the area drilled a core hole into the Salt Wash member approximately one mile to the northwest of Section 36 along the trend of the apparent mineral belt. This hole encountered a four foot thickness of 0.40% uranium ore.

If there is any further information you may desire, please contact us. We hope to hear from you soon again regarding the status of our application.

Very truly yours,

VITRO URANIUM COMPANY

Robert B. Coleman, Land Department

RBC:ARO

1/14/55 gla

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

224 New Customhouse
Denver 2, Colorado

January 11, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Undocketed application, Vitro Uranium Company, W½ Sec. 36, T. 21 S., R. 14 E., Emery County, Utah

Reference is made to your letter dated January 6, 1955, on the subject docket.

Enclosed is a copy of a letter dated January 11, 1955 to the applicant in which we again request additional information.

W H King
W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

January 11, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Undocketed application, Vitro Uranium Company, W½ Sec. 36, T. 21 S., R. 14 E., Emery County, Utah

Reference is made to your letter dated January 6, 1955, on the subject docket.

Enclosed is a copy of a letter dated January 11, 1955 to the applicant in which we again request additional information.

W. H. King

W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

January 11, 1955

Mr. W.B. Hall, General Manager
Vitro Uranium Company
600 West 33d South
Salt Lake City, Utah

Re: Undocketed application,
Vitro Uranium Company,
W½ Sec. 26, T. 21 S.,
R. 14 E., Emery County,
Utah

Dear Mr. Hall:

We have had no reply to our letter dated December 13, 1954 in which we requested additional geologic data indicating the presence of belts, zones or structures favorable to ore deposition which would indicate a specific exploration target.

In order to continue to process your application we need this information.

Very truly yours,

W. H. King
Executive Officer, DMEA
Field Team, Region IV

HMC:jp
cc Subject
Chron
Chairman, Op. Comm.
Williams
Wilson
Harshman

700
Murphy
Ellis
Selfridge
Matheny
Division Branch
Vitro Uran. Corp
Jf Carmassin
Jf

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

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

JAN - 6 1955

Re: Undocketed application
Vitro Uranium Company
application for DMEA aid on the
W½ of Section 36, T-21-S, R-14-E
Emery County, Utah

Dear Mr. King:

On December 30, 1954, we received a telephone call from the office of Congressman John P. Saylor concerning the status of the Vitro Uranium Company's application for DMEA assistance in an exploration project. During the conversation, Miss Dunbar, Secretary to the Congressman from Pennsylvania, stated their office had been informed that the Field Team had denied the subject application.

In our opinion your letter, dated December 13, addressed to Mr. W. B. Hall, General Manager of the Vitro Uranium Company, a copy of which we received December 16, does not constitute a denial, although it was evidently considered as such by the Applicant. Therefore, we will appreciate being advised of further action taken by your office with respect to the subject application.

Enclosed are two copies of a letter, dated December 27, directed to this office by Joseph P. McCarthy, Title Examiner, Utah State Land Board, regarding the Vitro Uranium Company's property.

You will note that the State of Utah does not subordinate their interest in state land. Therefore, if this project is recommended the Applicant will be required to furnish a Performance Bond, or other suitable guarantee, for the protection of the Government's share of the cost.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

FMMurphy/gla 1-3-55
cc to: Admr.'s Reading File
Operating Committee
Mails & Files

APPROVED:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Mr. Murphy,
Code 700
R.C.F.

700 1/10/55 gla

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

224 New Customhouse
Denver 2, Colorado

January 6, 1955

Memorandum

To: Chairman, Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application for exploration assistance, Vitro Uranium Company of America, Emery County, Utah

Enclosed are a copy of a letter dated December 30, 1954 from Assistant Secretary of the Interior Felix E. Wormser to Representative John P. Saylor, and a copy of a letter dated December 13, 1954 from the Executive Officer, Region IV, to the Vitro Uranium Company.

We believe that the applicant should furnish additional information before this application is processed. If we attempt to make a field examination on the basis of the existing information supplied by the applicant our field examiners would be serving in the role of private consultants.

The applicant has not replied to our letter dated December 13, which requested additional information which is necessary before this application can be processed.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

January 6, 1955

Memorandum

To: Chairman, Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application for exploration assistance, Vitro Uranium Company of America, Emery County, Utah

Enclosed are a copy of a letter dated December 30, 1954 from Assistant Secretary of the Interior Felix E. Wormser to Representative John P. Saylor, and a copy of a letter dated December 13, 1954 from the Executive Officer, Region IV, to the Vitro Uranium Company.

We believe that the applicant should furnish additional information before this application is processed. If we attempt to make a field examination on the basis of the existing information supplied by the applicant our field examiners would be serving in the role of private consultants.

The applicant has not replied to our letter dated December 13, which requested additional information which is necessary before this application can be processed.

W. H. King

Enclosures

JFS:ld

Copy to: Harshman
sub
chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

Date Rec'd.
JAN 3 - 1955
BUREAU OF MINES
Denver, Colorado

DEC 30 1954

FVS No. 1092

Hon. John P. Saylor
House of Representatives
Washington 25, D. C.

My dear Mr. Saylor:

Acknowledgment is made of your inquiry dated December 22, 1954, concerning the filing of an application by the Vitro Uranium Company, Salt Lake City, for aid in an exploration project pursuant to DMEA Order No. 1.

The Administrator of the Defense Minerals Exploration Administration of this Department has advised us that an application from this company has not been received in Washington. It is possible that it has been presented directly to the Executive Officer, DMEA Field Team, Region IV, 321 Fox Centerhouse Building, Denver 2, Colorado. In that event, the application will be forwarded to the DMEA Washington Office for processing.

Meanwhile, the Defense Minerals Exploration Administration is informing its Denver Office of your interest in expediting this application when it is received.

Sincerely yours,

(sgd) Felix E. Wormser
Assistant Secretary of the Interior

E.Ellis/dm
12/23/54

cc to: Secretary's Reading File
Secretary's file copy
Assistant Secretary, Mineral Resources (2)
Mr. Ikoff
DMEA Docket file w/o incoming letter
Admr.'s Reading File " " "
Code 701, DMEA " " "
DMEA Field Team, Region IV (2) w/2cs incoming letter

224 New Customhouse
Denver 2, Colorado

December 13, 1954

W. B. Hall, General Manager
Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Application for DMEA aid on the
W½ of Section 36, T-21-S, R-14-E
Emery County, Utah

Dear Mr. Hall:

Your application for exploration aid on the W½ of Section 36, T-21-S, R-14-E has been forwarded to this office.

The application states that no major faulting is evident on the property and no mineralization can be observed on the surface which you state is in the Mancos shale. The known ore deposits you mentioned are one and one half miles Southwest, and two and one half miles Northwest of your property.

The presence of ore deposits at such distances from your property may or may not indicate specific exploration targets on your School Section property. Do you have geologic data indicating the presence of belts, zones, or structures favorable to ore deposition either on your property or projecting into your property.

If you have this information or any other data to show specific target areas in your School Section, please forward same to this office so that we may continue to process your application.

Yours very truly,

W. H. King

W. H. King
Executive Officer, DMEA
Field Team, Region IV

HMC:mn

cc: Docket ✓
Administrator
A.L.Brokaw
S.R.Wilson
A.H.Koschmann
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

Date Rec'd. DMEA
JAN 3 - 1955
BUREAU OF MINES
Denver, Colorado

FMS No. L071

DEC 30 1954

Hon. John P. Saylor
House of Representatives
Washington 25, D. C.

My dear Mr. Saylor:

Acknowledgment is made of your inquiry dated December 22, 1954, concerning the filing of an application by the Vitro Uranium Company, Salt Lake City, for aid in an exploration project pursuant to DMEA Order No. 1.

The Administrator of the Defense Minerals Exploration Administration of this Department has advised us that an application from this company has not been received in Washington. It is possible that it has been presented directly to the Executive Officer, DMEA Field Team, Region IV, 22d New Customhouse Building, Denver 2, Colorado. In that event, the application will be forwarded to the DMEA Washington Office for docketing.

Meanwhile, the Defense Minerals Exploration Administration is informing its Denver Office of your interest in expediting this application when it is received.

Sincerely yours,

(sgd) Felix E. Wormser
Assistant Secretary of the Interior

E.Willis/jla
12/29/54
cc to: Secretary's Reading File
Secretary's file copy
Assistant Secretary, Mineral Resources (2)
Mr. Ishoff
DMEA Docket file w/o incoming letter
Admr.'s Reading file " " "
Code 700, DMEA " " "
DMEA Field Team, Region IV (2) w/one incoming letter

224 New Customhouse
Denver 2, Colorado

December 13, 1954

W. B. Hall, General Manager
Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Application for DMEA aid on the
W½ of Section 36, T-21-S, R-14-E
Emery County, Utah

Dear Mr. Hall:

Your application for exploration aid on the W½ of Section 36, T-21-S, R-14-E has been forwarded to this office.

The application states that no major faulting is evident on the property and no mineralization can be observed on the surface which you state is in the Mancos shale. The known ore deposits you mentioned are one and one half miles Southwest, and two and one half miles Northwest of your property.

The presence of ore deposits at such distances from your property may or may not indicate specific exploration targets on your School Section property. Do you have geologic data indicating the presence of belts, zones, or structures favorable to ore deposition either on your property or projecting into your property.

If you have this information or any other data to show specific target areas in your School Section, please forward same to this office so that we may continue to process your application.

Yours very truly,

W H King

W. H. King
Executive Officer, DMEA
Field Team, Region IV

HMC:mn

cc: Docket ✓
Administrator
A.L.Brokaw
S.R.Wilson
A.H.Koschmann
Chron.

THE STATE OF UTAH

STATE LAND BOARD

SALT LAKE CITY 1

Dec. 27, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1954

P. H. MULCAHY
CHAIRMAN
T. S. CURTIS
SECRETARY
A. N. SMITH
EXECUTIVE SECRETARY
LEE E. YOUNG
MANAGER

U. S. Dept. of the Interior
Defense Minerals Exploration Admin.
Washington 25, D. C.

Gentlemen:

Please be advised that at the request of Vitro Uranium Company, the Land Board considered whether or not it should extend its approval to Vitro's application for a DMEA Loan upon the W½ of Section 36, T. 21 S., R. 14 E., in Emery County, Utah. At its meeting on December 13, 1954 the Board concluded that it would approve the application only to the extent of the lessee's interest and that the State's interest in no way should be encumbered.

Repayment of the loan from production shall in no way impair the State's rights to collect the royalty provided for in the lease issued by the State covering the above mentioned property.

In case of forfeiture or non-performance of the terms and conditions of the lease by the lessee, the State reserves the right to lease, and in such case, neither the State nor its subsequent lessees shall be required to re-pay any part of the loan secured, nor shall any lien be recognized to exist upon such land thereafter.

Sincerely yours,

Joseph P McCarthy

JOSEPH P. MC CARTHY
TITLE EXAMINER

JPMc/jj

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

RECEIVED
DEC 16 1954

224 New Customhouse
Denver 2, Colorado

December 13, 1954

W. B. Hall, General Manager
Vitro Uranium Company
600 West 33rd South
Salt Lake City, Utah

Re: Application for DMEA aid on the
W½ of Section 36, T-21-S, R-14-E
Emery County, Utah

Dear Mr. Hall:

Your application for exploration aid on the W½ of Section 36, T-21-S, R-14-E has been forwarded to this office.

The application states that no major faulting is evident on the property and no mineralization can be observed on the surface which you state is in the Mancos shale. The known ore deposits you mentioned are one and one half miles Southwest, and two and one half miles Northwest of your property.

The presence of ore deposits at such distances from your property may or may not indicate specific exploration targets on your School Section property. Do you have geologic data indicating the presence of belts, zones, or structures favorable to ore deposition either on your property or projecting into your property.

If you have this information or any other data to show specific target areas in your School Section, please forward same to this office so that we may continue to process your application.

Yours very truly,

W H King

W. H. King
Executive Officer, DMEA
Field Team, Region 1V

HMC:mn

cc: Docket
Administrator ✓
A.L.Brokaw
S.R.Wilson
A.H.Koschmann
Chron.

Cy to 700