NO.0000004

VASQUEZ PROJECT
ENVIRONMENTAL REPORT
MAY 17, 1991

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& Rad Control

URI, INC.

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UIC, URANIUM, AND
RADIOACTIVE WASTE

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VASQUEZ PROJECT

TECHNICAL REPORT

MAY 17, 1991

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VASQUEZ PROJECT

TECHNICAL REPORT

MAY 17,1991

VOLUME 1

NO 0000004

VASQUEZ PROJECT TECHNICAL REPORT

Application for Permit to Conduct In Situ Uranium Mining
Application for Permit to Dispose of Waste by Well Injection
Vasquez Project Permit Area Map
List of Landowners (Surface and Mineral)
Leases and Ajacent Landowners

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$150.00

EXECUTIVE DIRECTOR
TEXAS WATER COMMISSION

FOR COMMISSION USE ONLY	
Application No.	
Adm. Review By	
Administratively Complete	
Copies Sent:	

APPLICATION FOR PERMIT TO CONDUCT IN SITU URANIUM MINING

1. Applicant: URI, Inc.
(Individual, Corporation or Other Legal Entity)

Address: 12377 Merit Drive, Suite 750, LB 14
(Permanent Mailing Address)

City: Dallas State: Texas Zip: 75251

Telephone Number: (214) 934-7777

Mine Name: Vasquez County: Duval

Mine Mailing Address (if available): Non available

Ownership Status:

Check one: ☐ Federal ☐ State ☒ Private ☐ Other Entity

2. (a) List the name, title and telephone number of persons or firms authorized to act for the applicant during the processing of the permit application.

Mark S. Pelizza
12377 Merit Drive, Suite 750, LB 14
Dallas, Texas 75251

(b) If the application is submitted by (1) a corporation or by (2) a person residing out of state, the applicant must designate an Agent in Service or Agent of Service and provide a complete mailing address for the agent. The agent must be a Texas resident.

C.T. Corporate Systems
Registered Agency of Service for URI, Inc.
Republic National Bank Building
Dallas, Texas

3. List the individual, and his/her mailing address, that will be responsible for causing notice to be published in the newspaper.
Mark S. Pelizza
12377 Merit Drive, Suite 750, LB 14
Dallas, Texas 75251

4. Type of Permit for which Application is Submitted:

a. Original X Permit Number
(Will be Assigned by the Commission)

b. Amendment of Permit Number

c. Reissuance of an existing state permit number under the provisions of the state UIC program, approved pursuant to Part C of the Safe Drinking Water Act: ☐ with changes in operating terms and conditions or ☐ with no changes in operating terms and conditions.

5. List any other permits, existing or pending, which pertain to pollution activities conducted by the mine at this location.

TDH License Application
TDWR Disposal Well Application
TACB Exemption

6. Brief description of the nature of the business, including the activities conducted by the applicant which require a permit. Provide up to four SIC Codes which best reflect the principal products or services provided by the facility.

In-Situ Leach Uranium Recovery

7. Submit an application map or maps, similar to the sample application map, depicting:

   a. The lease boundaries and ownerships of the tract of land on which mining and related activities will be conducted, with acreage indicated

   b. The permit area boundaries, with acreage indicated. The permit area boundary may be defined by the operator to coincide with or be within the lease ownership boundaries

   c. Location of the proposed production and disposal facilities

   d. The general character of the areas adjacent to the lease area, such as residential, commercial, recreational, agricultural, undeveloped, industrial, etc.

   e. The boundaries and ownerships of tracts of land adjacent to the lease boundaries. Include, with the map a list containing the names and mailing addresses of the owners of the tracts of land adjacent to the lease boundaries keyed to the map.

8. The names and mailing addresses of persons identified as affected parties, item 7.e. above, were obtained from:

County Tax Records
(Source: City, County, School or Water District Records or Abstract Co.)

9. Depth(s) and geologic name of production zone(s): 150 - 200 feet Garville

10. Submit with application:

   a. $150.00 minimum filing fee

   b. Technical Report (See attached instructions)

11. Is the facility located on Indian lands: ☐ Yes ☐ No

12. Provide a complete and accurate description of mine closure costs for the mining facility.

13. Provide a list containing the names and addresses of all operators of producing wells located within the area of review.

I, Mark S. Pelizza (Name), Environmental Manager (Title)

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of civil penalty and criminal fines.

Signature: _____ Date: May 14, 1991

TO BE COMPLETED BY THE APPLICANT IF THE APPLICATION IS SIGNED BY AN AGENT FOR THE APPLICANT.

I _____ hereby designate _____ as my agent and hereby authorize said agent to sign any application, submit additional information as may be requested by the Commission staff, and/or appear for me at any hearing or before the Texas Water Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my agent in support of the application and for compliance with the terms and conditions of any permit which might be issued based upon this application.

_____
Printed or Typed Name of Applicant
or Chief Executive Officer

_____
Signature

SUBSCRIBED AND SWORN to before me by the said

Mark S. Pelizza on this 14th day of May, 19 91.

My commission expires on the 8th day of April, 19 95.

Diana Lee Goodier
Notary Public in and for

Dallas County, Texas

DIANA LEE GOODIER
NOTARY PUBLIC
State of Texas
Comm. Exp. 04-08-95

#83.00

FOR COMMISSION USE ONLY
Application No.
Adm. Review By
Administratively Complete
Copies Sent:

EXECUTIVE DIRECTOR
TEXAS WATER COMMISSION
ATTN: Hazardous and Solid Waste Division
P.O. Box 13087, Capitol Station
Austin, Texas 78711

APPLICATION FOR PERMIT TO DISPOSE OF WASTE BY WELL INJECTION

1. Applicant: URI, Inc.
(Individual, Corporation or Other Legal Entity)

Address: 12377 Merit Drive, Suite 750, LB 14
(Permanent Mailing Address)

City: Dallas State: Texas Zip: 75251

Telephone Number: (214) 934-7777

If the application is submitted on behalf of a corporation, please identify the Charter Number as recorded with the Office of the Secretary of State for Texas. 04322456
Charter Number

2. (a) List those persons or firms, to include a complete mailing address and telephone number, authorized to act for the applicant during the processing of the permit application.

C.T. Corporate Systems
Registered Agency of Service for URI, Inc.
Republic National Bank Building
Dallas, Texas 75201

(b) List the individual and his/her mailing address that will be responsible for causing notice to be published in the newspaper.

Mark S. Pelizza
12377 Merit Drive, Suite 750, BL 14
Dallas, Texas 75251

3. Type of Permit For Which Application is Submitted:

a. Original X Permit Number _____
(Will Be Assigned By The Department)

b. Amendment _____ of Permit Number _____

4. List any other permits, existing or pending, which pertain to pollution control activities conducted by this plant or at this location.

TDH License Application
TWC In-Situ Mining Application
TACB Exemption

000004

5. **Nature and Status of Activity**

(a) Type of operation or process: (for example sulphuric acid plant, petro-chemical plant, sewage treatment plant, etc.)

In-Situ Uranium Mining

(b) Current methods of waste disposal:

New Operation

(c) Will hazardous waste (as identified or listed pursuant to 40 CFR Part 261) be stored/processed/disposed on-site? Yes: _____ No: XX

6. Location of Proposed or Existing Injection Well

County Duval Lease Vasquez Well No. 1

Section _____ TWP-RGE or Block No. _____

Survey Santa Maria de Los Angeles De Abajo Trinidad Vela Abstract A-612

Name and address of surface owner See #5 on Surface Owners' List

Distance (in feet) and direction from two adjacent survey lines 18,450 feet from the N.E. line, 21,600 feet from the N.W. line of Abstract #612

7. Proposed Injection Program (Note changes to existing program)

(a) Type of waste Wastewater from In-Situ mining or uranium.

(b) Depth of well 4,975 feet

(c) Depth(s) and geologic name of injection interval(s) 3,575 feet - 4,975 feet Yegua Formation

(d) Proposed injection volumes: Average 200 Maximum 300

(e) Proposed injection pressure: 1,000 psig

8. Provide an application map or maps, similiar to the sample application map, found on Pages 3 and 4 of the application instructions depicting:

(a) The approximate boundaries of the tract of land on which the waste disposal activity is or will be conducted

(b) The location of the disposal well as related to plant boundaries and to adjacent survey lines.

(c) The general character of the areas adjacent to the place or places of disposal such as residential, commercial, recreational, agricultural, undeveloped, etc.

(d) The boundaries and ownerships of tracts of land adjacent to the plant boundaries. *Include,* with the map, a list containing the names and mailing addresses of the owners of the tracts of land adjacent to the plant boundaries keyed to the map.

9. Identify and provide a complete mailing address for all mineral owners that may be affected by the migration of injected waste over the life of the well. If the name(s) submitted represents less than 100% mineral ownership, specify the total percentage owned by all persons identified.

See #5 of Minerals Owners' List

10. The names and mailing addresses of persons identified as affected parties, Item 8.d. and 9 above, were obtained from:

County Tax Records

(Source: City, County, School or Water District Records or Abstract Co.)

11. Submit with Application

(a) Fee (Please remit by Check or Money Order) (See Note applicable to item No. 2 of the General Instructions)

(b) Technical Report (see attached instructions)

(c) New or updated letter from the Railroad Commission, concerning proposed injection effects on oil and gas activities.

(d) New or updated letter (if required) from the Texas Department of Health concerning a license governing the disposal of radioactive waste.

(e) For existing facilities a statement that the applicant has assured through a performance bond or other form of financial security, the resources necessary to close, plug and abandon the well as required by the permit.

(f) New hazardous waste disposal wells must obtain financial security at least 60 days prior to commencement of drilling operations.

Note: Prior to signing the application, please refer to item number 5 of the application instructions.

I, Mark S. Pelizza, Environmental Manager

(Typed or Printed Name) (Title)

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware there are significant penalties for submitting false information, including possibility of civil penalty and criminal fines.

Signature: _____ Date: 5-14-91

SUBSCRIBED AND SWORN to before me by the said

Mark S. Pelizza on this 14th day of May, 19 91.

My commission expires on the 8th day of April, 19 95.

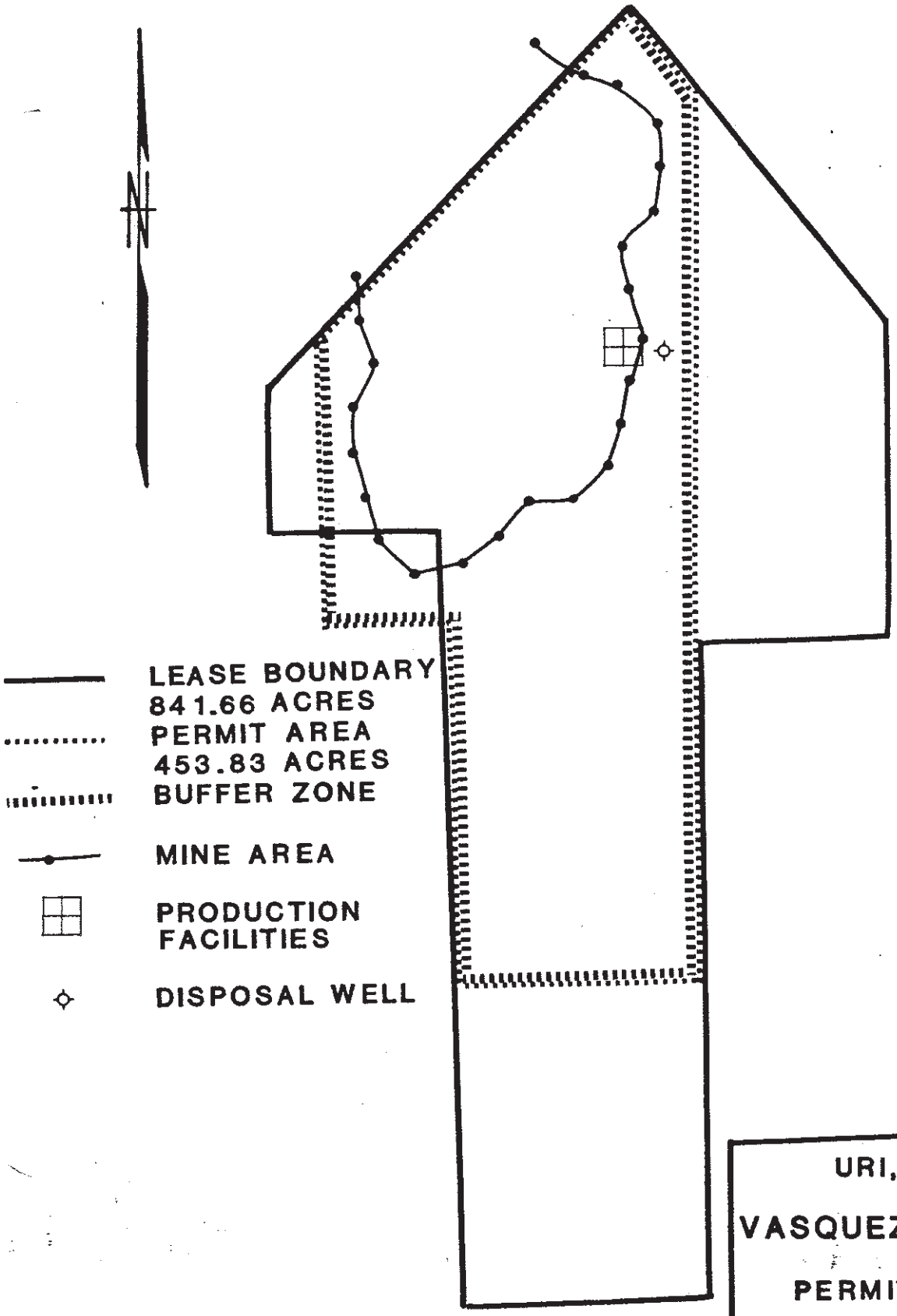
(Seal)

Diana Lee Goodier
Notary Public in and for

Dallas County, Texas

DIANA LEE GOODIER
NOTARY PUBLIC
State of Texas
Comm. Exp. 04-08-95

000002



URI, INC.

VASQUEZ PROJECT

PERMIT AREA MAP

1"=1299'

LIST OF LANDOWNERS

VASQUEZ PROJECT
SURFACE OWNERS

AREA NO.	NAME	ADDRESS
1	ARMANDO BENAVIDES SEVEN - B CATTLE CO., LTD.	777 CALLE DEL NORTE, #8 LAREDO, TX 78401
2	MR. JOSEPH GRUY	P. O. BOX 909 HEBBRONVILLE, TX 78361
3	ERMASO TREVINO, et al	THOMPSON RD. HEBBRONVILLE, TX 78361
	ESTELLA T. JOHNSON	712 E. OSCAR HEBBRONVILLE, TX 78361
4	ELIZABETH TAYLOR, et al	P. O. BOX 356 HEBBRONVILLE, TX 78361
5	ROMEO JAVIER VASQUEZ	P. O. BOX 191 HEBBRONVILLE, TX 78361
	ROSA LIDIA VASQUEZ DE PENA	324 QUENTIN DR. SAN ANTONIO, TX 78201
	HILDA LAURA VASQUEZ DE HAYNES	1305 FREMONT ST. LAREDO, TX 78040

MINERAL OWNERS

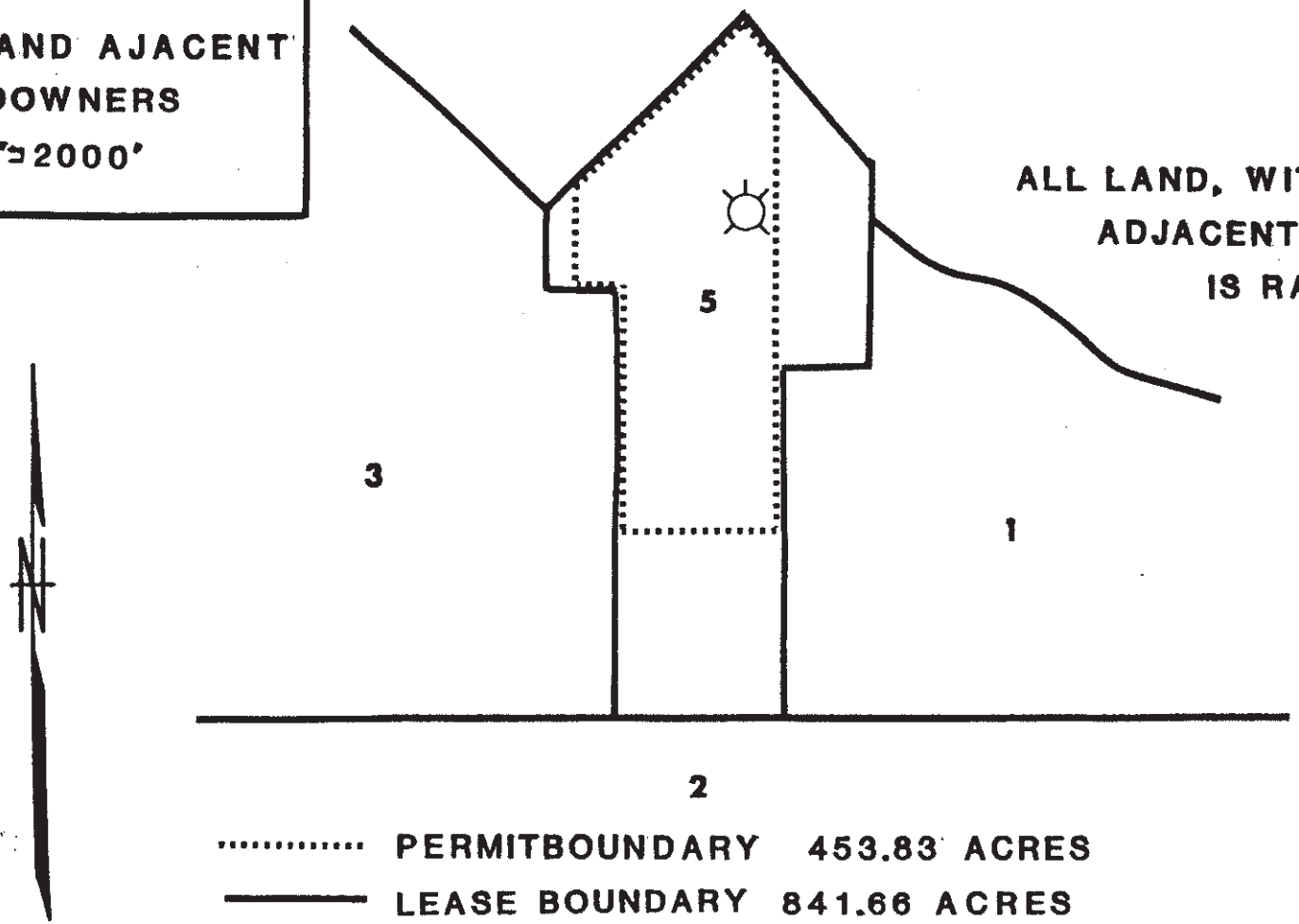
5	ROMEO JAVIER VASQUEZ	P. O. BOX 191 HEBBRONVILLE, TX 78361
	ROSA LIDIA VASQUEZ DE PENA	324 QUENTIN DR. SAN ANTONIO, TX 78201
	HILDA LAURA VASQUEZ DE HAYNES	1305 FREMONT ST. LAREDO, TX 78040
	EDWIN L. COX - DECEASED COX OIL & GAS BARRY R. COX	2200 ROSS AVE., #3600 DALLAS, TX 75201
	HAMON OPERATING COMPANY JAKE L. HAMON	8411 PRESTON RD. SUITE 800, LB 33 DALLAS, TX 75225
	ELIZABETH H. MADDUX	P. O. BOX 171717 SAN ANTONIO, TX 78217
	FROST NATIONAL BANK OF SAN ANTONIO	P. O. BOX 1600 SAN ANTONIO, TX 78296
	COATES ENERGY TRUST	P. O. BOX 171717 SAN ANTONIO, TX 78217

URI, INC.

VASQUEZ PROJECT

LEASES AND AJACENT LANDOWNERS

1"=2000'



ALL LAND, WITHIN AND ADJACENT TO THE LEASE IS RANCHLAND

PERMITBOUNDARY 453.83 ACRES

LEASE BOUNDARY 841.66 ACRES

3 KEY TO LANDOWNERS

PLANT

1.0 INTRODUCTION

1.0 INTRODUCTION AND LOCATION

Uranium Resources Inc. (URI) proposes to develop an in situ uranium leach operation in Southern Duval County. The proposed project is located 4 U.S. air miles Northwest of Hebbronville off State Highway 16. Figure 1 illustrates the location of the Vasquez Project.

This application is being submitted by URI to obtain a permit to develop the solution mine, obtain an aquifer exemption for the proposed production zone and obtain a permit to drill, complete and operate a disposal well at the proposed uranium recovery plant site. The well will be used to dispose of process waste, restoration waste and contaminated rainfall from the in situ leaching and recovery operations.

Seven proposed or existing *in situ* or surface mines are within five miles of the permit area boundary as shown on Figure 1. Additionally, the city of Hebbronville's water supply is within 5 miles where water is pumped from wells.

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