

MATERIALS LICENSE

Amendment No. 02

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

301656

Licensee	In accordance with application dated July 25, 1996	
1. Amoco Pipeline Company	3. License Number 12-24689-02 is amended in its entirety to read as follows:	
2. One Mid America Plaza Suite 300 Oakbrook Terrace, IL 60181	4. Expiration Date	August 31, 2000
	5. Docket or Reference No.	030-31778
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Americium-241	A. Sealed sources (Amersham/Searle Model AMCL)	A. 10 sources not to exceed 50 millicuries each
B. Americium-241	B. Sealed sources (Amersham Corp. Model AMC-17)	B. 10 sources not to exceed 550 millicuries per source

9. Authorized Use:

- A. To be used in Nuclear Enterprises, Ltd. Model 1300 source holder for sulfur analysis measurement.
- B. To be used in Yokogawa Electric Works, Ltd. Model 8820 or Model PS6 source holders for sulfur measurement.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at:
- A. Amoco Pipeline Company, Ft. Laramie Station, Highway 26, 10 miles west of Lingle, Wyoming;
- B. Amoco Pipeline Company, Granger Station, located 2 miles southwest of Granger, Wyoming in Sweetwater County;

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PDR ADOCK 03031778
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

12-24689-02

Docket or Reference Number

030-31778

Amendment No. 02

- C. Amoco Pipeline Company, Wamsutter Station, located 1 mile north of Wamsutter, Wyoming in Sweetwater County;
- D. Amoco Pipeline Company, Cushing Terminal, 2.5 miles south of Highway 33 on Linwood Street, Cushing, Oklahoma; and
- E. Amoco Pipeline Company, Freeman Station, 700 E. Main, Freeman, Missouri.
- F. Amoco Pipeline Company, Casper Station, 301 Tank Farm Road, Casper, Wyoming.
11. Licensed material shall be used by, or under the supervision of, Joe Morgan, Michael E. Link, Matt Richards, John Merrill, Mike Nelson, Greg Hastings, or Jim Kirkpatrick.
12. A. (1) The source(s) specified in Item(s) 7.A. and 7.B. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. The licensee is authorized to collect leak test samples for analysis by Assay Services, Inc. or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

12-24689-02

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13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
14. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee shall assure that the devices are tested for proper operation of the on-off mechanism and indicator, if any, at intervals not to exceed six months or at such other intervals as are specified by the manufacturer. The licensee shall maintain records of the results of these tests for a period of one year after the next required test is performed. These records shall show the date(s) of performance and results of these tests as well as the name of the individual performing the test.
16. The licensee shall operate each gauge within the manufacturer's specified temperature or any other environmental limits such that the shielding and shutter mechanism of the source holder is not compromised.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Applications dated June 7, 1990, November 23, 1992, July 25, 1996 and August 28, 1996; and
- B. Letter dated January 20, 1993.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date Sept 18, 1996

By

Richard D. Motter
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03120
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20000831
FEE COMMENTS:
DECOM FIN ASSUR REQD: N

R9

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LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: AMOCO PIPELINE COMPANY
RECEIVED DATE: 960726
DOCKET NO: 3031778
CONTROL NO.: 301656
LICENSE NO.: 12-24689-02
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: 290.00
CHECK NO.: 0002048628

3. COMMENTS

SIGNED
DATE

[Signature]
7/26/96

5. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / ☒)

1. FEE CATEGORY AND AMOUNT: 3P \$300

2. CORRECTION FEE PAID, APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ☒
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

[Signature]
8/17/96

SEP 23 1996

22:11 IV 2 - SRV 9661

Log	Aug 1 III
Remitter	
Check No.	2048628 / 3913848 (NO)
Amount	\$290 + \$10
Fee Category	3P
Type of Fee	AMD
Date Check Rec'd	8/2/96
Date Completed	9/17/96
By:	SC

APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-8 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532 4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,
WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE
☒ B. AMENDMENT TO LICENSE NUMBER 12-24689-02
☐ C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

Amoco Pipeline Company
One Mid America Plaza
Suite 300
Oakbrook Terrace, IL 60181

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

See attached ITEM 3

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jim Clark

TELEPHONE NUMBER
708-990-6153

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS
9. FACILITIES AND EQUIPMENT	10. RADIATION SAFETY PROGRAM
11. WASTE MANAGEMENT	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>3P</u> AMOUNT ENCLOSED <u>\$290</u>
13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.	

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE
MANAGER E H & S DEPT.

SIGNATURE
Robert C. Batel

DATE
7-25-96

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	



Amoco Pipeline Company

One Mid-America Plaza
Suite 300
Oakbrook Terrace, Illinois 60181-4450
708-990-3700

July 22, 1996

Materials Licensing Section
US Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

RE: AMENDMENT TO LICENSE NO. 12-24689-02

Dear Sir or Madam:

Please amend the above license in its entirety without reference to the previously submitted application or documents. Enclosed is a check for \$290.00 to cover the amendment fee.

If you have any questions, please call me at (708) 990-6153.

Sincerely,

James A. Clark
Coordinator, Safety and Health

RECEIVED

JUL 26 1996

REGION III

PM: 7-25-96

Item 3

ADDRESSES WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

1. Amoco Pipeline Company, Ft. Laramie Station, Highway 26, 10 miles west of Lingle, Wyoming 82223 (shipping), Box 168, Ft. Laramie, Wyoming 82212 (mailing).
2. Amoco Pipeline Company, Granger Station, located 2 miles southwest of Granger, Wyoming in Sweetwater County.
3. Amoco Pipeline Company, Wamsutter Station, located 1 mile north of Wamsutter, Wyoming in Sweetwater County.
4. Amoco Pipeline Company, Cushing Terminal, 2.5 miles south of Highway 33 on Linwood Street, Cushing, Oklahoma (shipping), P.O. Box 1628, Cushing, Oklahoma 74023 (mailing).
5. Amoco Pipeline Company, Freeman Station, 700 E. Main, Freeman, Missouri 64746 (shipping), P.O. Box 188, Freeman, Missouri 64746 (mailing).
6. Amoco Pipeline Company, Casper Station, SE1/4 of SEC 6, T33N, R79W, Natrona County, Wyoming, P.O. Box 1209, Mills, Wyoming (mailing).

ITEM 5

RADIOACTIVE MATERIAL

Element & Mass No.	Chemical and/or Physical Form	Maximum Amount That Will be Possessed At Any One Time
A. Americium-241	Sealed sources (Amersham/Searle Model AMCL)	10 sources not to exceed 50 mCi per source
B. Americium-241	Sealed sources (Amersham Corp. Model AMC-17)	10 sources not to exceed 550 mCi per source

Radioactive material authorized for distribution to persons exempt from license and material that may be possessed pursuant to a general license shall not be subject to the conditions of this license.

ITEM 6

PURPOSES FOR WHICH LICENSED MATERIAL WILL BE USED

- A. To be used in Nuclear Enterprises, Ltd. Model 1300 source holder for sulfur in oil analysis.
- B. To be used in Yokogawa Model 8820 or Model PS6 source holders for sulfur in oil analysis.

ITEM 7

INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM
AND THEIR TRAINING AND EXPERIENCE

<u>Name</u>	<u>Current Location</u>
Michael E. Link	Ft. Laramie, WY facility
Greg Hastings	Granger, WY facility
Greg Hastings	Wamsutter, WY facility
Mike Nelson	Cushing, OK facility
Joe Morgan	Freeman, MO facility
Jim Kirkpatrick	Casper Station, WY facility

Training documentation for the above individuals is attached. Because work assignment locations may change, once an individual is named as the Responsible Individual at one facility, that individual may also assume the responsibility for any other location if needed. In addition, individuals who have completed the training specified in ITEM 8 of this application are authorized to operate the sulfur in oil analyzers and assume responsibility for the radiation safety program at any named facility.

Training Documentation for Michael Link

☐ Training/Safety Coordinator

Note: This form may be used when holding safety meetings. Documentation is required for future referral. If this form is not approved for future meetings, please use whatever is sufficient.

Person

Area: Fl. Ceramic Maint Area

Area

Denver Operating Area

Date

3-20-92

Recorded By: Jack Boerger

Recorded By

M. E. Link

Employees Attending

Michael Link (Michael Link)

W. E. Link

Jerry Helgen

Mike Reynolds

David Jenkins

Meeting Topic

Four Hour Radiation Safety Course. Attached is summary of training. Concluded w/ on-site measurement & emitted radiation @ Casper 20" & R-M Fuchs Super Analyzers.

New Safety Suggestions

Action Taken

Safety Suggestions

Action Taken

FOUR HOUR SHORT COURSE

on

RADIATION SAFETY

March 20, 1992

Ft. Laramie, Wyoming

COURSE OUTLINE

I. Discussion of Physical Properties of Radiation

- A. Atomic Structure
 - 1. Atomic Models
 - 2. Nuclides and Isotopes
- B. Types of Radioactive Decay
 - 1. Alpha
 - 2. Beta
 - 3. Gamma
- C. Background Radiation
 - 1. Cosmic
 - 2. Terrestrial
 - 3. Internal
 - 4. Radon
- D. Process of Ionization
- E. Units of Radiation
 - 1. Metric Units
 - 2. Exposure
 - 3. Dose
 - 4. Equivalent Dose

II. Biological Effects of Ionizing Radiation

- A. Sources of Information
- B. Acute Effects
- C. Long Term Effects
- D. Tissue Sensitivity
- E. Whole Body vs Partial Body Radiation
- F. Somatic and Genetic Effects
- G. Differences in Radiation Effects
 - 1. Age
 - 2. Sex
 - 3. Dose Rate
 - 4. Type of Radiation

- IV. Radiation Safety
 - A. Time
 - B. Distance
 - C. Shielding
 - D. Responsibility
 - E. Instrumentation
 - F. Monitoring
 - 1. Surveys
 - 2. Wipe Tests
 - 3. Exposure Records
 - G. Records

- IV. Mathematical Principles
 - A. Decay
 - B. Shielding
 - C. Calibration

Presented by
John E. (Jack) Doerges
Western Radiation Consultants, Inc.
1702 Mill Street
Laramie, Wyoming 82070



WESTERN RADIATION CONSULTANTS, INC.

Radiation Protection / Evaluation
Industrial Hygiene
Employee / Management Training

1306 Winfield Drive
Fort Collins, Colorado 80526
303-482-3029

1702 Mill Street
Laramie, Wyoming 82070
307-742-7127

This is to certify that MATT RICHARDS participated in a

RADIATION SAFETY TRAINING COURSE

for Use of Yokagawa Sulfur-in Oil Analyzer
at Wamsutter, Wyoming on July 28, 1988

COURSE OUTLINE

- I. Characteristics of Americium-241
- II. Source Construction
- III. Units of Activity, Exposure, Dose
- IV. Function of Source
- V. External Exposure Rates
- VI. Methods of Measurement
- VII. Contamination Possibilities
- VIII. Measurement of Contamination
- IX. Leak Test Procedures
- X. Radiation Protection Standards, ALARA
- XI. License Requirements, NRC and Wyoming
- XII. Labeling and Source Security
- XIII. Emergency Procedures

Trainer: John E. Doerges

Training Documentation for Greg Hastings

Circulate To:

- ☐ Area Manager
- ☐ Training/Safety Coordinator

Amoco Pipeline Company
Safety Meeting Minutes

Note: This form may be of use when holding safety meetings.
Documentation is highly recommended for future referral.
If this form is not appropriate for your meetings, please use whatever is sufficient.

Division <u>NORTHERN</u>	Area <u>CASPER / Thermop</u>	Date <u>5/17/80</u>
Leader <u>TACK DOERBAS Jack Doerges</u>	Recorded By <u>[Signature]</u>	
Employees Attending <u>[Signature]</u>	<u>[Signature]</u>	
<u>Cal Delwitt</u>	<u>Fred Ziegler</u>	<u>Fred Ziegler</u>
<u>Dave Smith</u>	<u>Gene Davis</u>	<u>Gene Davis</u>
<u>Tom McDermott</u>	<u>Jim Kirkpatrick</u>	<u>Jim Kirkpatrick</u>
<u>GREG HASTING</u>		
<u>[Signature]</u>		
<u>And arial for</u>		

Meeting Topic

NUCLEAR RADIATION SAFETY.TACK DOERBAS: WESTERN NUCLEAR CONSULTANTS.

New Safety Suggestions

Action Taken

1	<u>COURSE OUTLINE ATTACHED.</u>	
2	<u>EACH ATTENDEE CERTIFIED FOR MAKING WIPE TESTS.</u>	
3		
4		
5		
6		
7		
8		
9		

Old Safety Suggestions

Action Taken

FOUR HOUR SHORT COURSE

on

RADIATION SAFETY

April 17, 1990

Casper, Wyoming

COURSE OUTLINE

- I. Discussion of Physical Properties of Radiation
 - A. Atomic Structure
 1. Atomic Models
 2. Nuclides and Isotopes
 - B. Types of Radioactive Decay
 - ~~1.~~ Alpha
 - ~~2.~~ Beta
 - ~~3.~~ Gamma
 - C. Background Radiation
 1. Cosmic
 2. Terrestrial
 3. Internal
 4. Radon
 - D. Process of Ionization
 - E. Units of Radiation
 1. Metric Units
 2. Exposure
 3. Dose
 4. Equivalent Dose
- II. Biological Effects of Ionizing Radiation
 - A. Sources of Information
 - B. Acute Effects
 - C. Long Term Effects
 - D. Tissue Sensitivity
 - E. Whole Body vs Partial Body Radiation
 - F. Somatic and Genetic Effects
 - G. Differences in Radiation Effects
 1. Age
 2. Sex
 3. Dose Rate
 4. Type of Radiation

IV. Radiation Safety

- A. Time
- B. Distance
- C. Shielding
- D. Responsibility
- E. Instrumentation
- F. Monitoring
 - 1. Surveys
 - 2. Wipe Tests
 - 3. Exposure Records
- G. Records

IV. Mathematical Principles

- A. Decay
- B. Shielding
- C. Calibration

Training Documentation for John Merrill



1305 Winfield Drive
Fort Collins, Colorado 80526
303-482-3029

1702 Mill Street
Laramie, Wyoming 82070
307-742-7127

This is to certify that John Merrill participated in a

RADIATION SAFETY TRAINING COURSE

for Use of Yokagawa Sulfur-in-Oil Analyzer
at Laramie, Wyoming on December 1, 1988

COURSE OUTLINE

- I. Characteristics of Americium-241
- II. Source Construction
- III. Units of Activity, Exposure, Dose
- IV. Function of Source
- V. External Exposure Rates
- VI. Methods of Measurement
- VII. Contamination Possibilities
- VIII. Measurement of Contamination
- IX. Leak Test Procedures
- X. Radiation Protection Standards, ALARA
- XI. License Requirements, NRC and Wyoming
- XII. Labeling and Source Security
- XIII. Emergency Procedures

Trainer: John E. Doerges

Training Documentation for Mike Nelson

WESTERN RADIATION CONSULTANTS, INC
TRAINING CERTIFICATE

This is to certify that

MIKE NELSON

participated in a four (4) hour training course on RADIATION SAFETY
on May 11, 1992 at Cushing, Oklahoma

The course covered the physical properties of ionizing radiation,
the biological effects of radiation, radiation safety, and mathematical
principles (including calibration techniques). Radiation safety concerning
the use of sealed sources was stressed.

Course conducted by John E. Doerges, Health Physicist.

Training Documentation for Joe Morgan

RECORD OF TRAINING

Name (Please Print)	Department or Division	Room	Telephone	Name of your Supervisor
Tom ROSE	Machining Northland		(915) 475-4007	John Reichmuth
John Reichmuth	"		"	John Carico
MIKE MAAG	"		"	JOHN REICHMUTH
Larry Eifert	FREEMAN MO		816-727-7511	A.D. Lissman
Teri Rorgan	FREEMAN MO		"	"
D. Wiseman	FREEMAN MO		"	MIR WISS
MIE L. ROARK	AMOCO PIPELINE NORTHERN DIVISION	1420 KENSINGTON RD OAK BROOK ILL.	571-5949	D.L. LEHON
Mike Warren	Amoco Chemical	301-1126	961-7274	NCHVIE

FROM: Radiation Safety, F-5

Training Documentation for Jim Kirkpatrick

Circulate To:

- ☐ Area Manager
- ☐ Training/Safety Coordinator

Amoco Pipeline Company
Safety Meeting Minutes

Note: This form may be of use when holding safety meetings.
Documentation is highly recommended for future referral.
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Division <u>NORTHERN</u>	Area <u>CASPER / Thermop</u>	Date <u>5/17/90</u>
Leader <u>TACK DOERRAS Jack Doerges</u>	Recorded By <u>[Signature]</u>	
Employees Attending <u>[Signature]</u>	<u>[Signature]</u>	
<u>Cal Delwitt</u>	<u>Fred Ziegler</u>	<u>Fred Ziegler</u>
<u>Dave Smith</u>	<u>Gene Davis</u>	<u>Gene Davis</u>
<u>Tom McDermott</u>	<u>Jim Kirkpatrick</u>	<u>Jim Kirkpatrick</u>
<u>GREG HASTING</u>		
<u>[Signature]</u>		
<u>Rud arial fr</u>		

Meeting Topic
NUCLEAR RADIATION SAFETY
TACK DOERRAS: WESTERN NUCLEAR CONSULTANTS

New Safety Suggestions	Action Taken
1 <u>COURSE OUTLINE ATTACHED.</u>	
2 <u>EACH ATTENDEE CERTIFIED FOR MAKING WIPE TESTS</u>	
3	
4	
5	
6	
7	
8	
9	

Old Safety Suggestions	Action Taken
1	
2	
3	
4	
5	
6	
7	

FOUR HOUR SHORT COURSE
on
RADIATION SAFETY
April 17, 1990
Casper, Wyoming

COURSE OUTLINE

- I. Discussion of Physical Properties of Radiation
 - A. Atomic Structure
 - 1. Atomic Models
 - 2. Nuclides and Isotopes
 - B. Types of Radioactive Decay
 - ~~1.~~ Alpha
 - ~~2.~~ Beta
 - ~~3.~~ Gamma
 - C. Background Radiation
 - 1. Cosmic
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- IV. Radiation Safety
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 - 2. Wipe Tests
 - 3. Exposure Records
 - G. Records

- IV. Mathematical Principles
 - A. Decay
 - B. Shielding
 - C. Calibration

ITEM 8

TRAINING FOR INDIVIDUALS WORKING IN OR
FREQUENTING RESTRICTED AREAS

Individuals shall receive a minimum of 4 hours of training in the topics listed below prior to operating a sulfur in oil analyzer. Training will be provided by a facility's Responsible Individual for the radiation safety program or by a Health Physics Consulting Firm. Training will be documented and maintained for future inspection.

- I. Physical properties of radiation
 - Alpha, beta, gamma, neutron radiation
 - Radioactivity
 - Half-life
 - Units of radiation dose and activity
 - Biological effects
- II. Basic radiation safety
 - Time
 - Distance
 - Shielding
- III. Amoco Pipeline ALARA commitment
- IV. 10 CFR Parts 19 and 20
- V. Terms and conditions of the license
- VI. Posting of signs and notices
- VII. Operating procedures for sulfur in oil analyzer
- VIII. Emergency procedures
- IX. Leak testing procedures
- X. Inventory and record keeping procedures

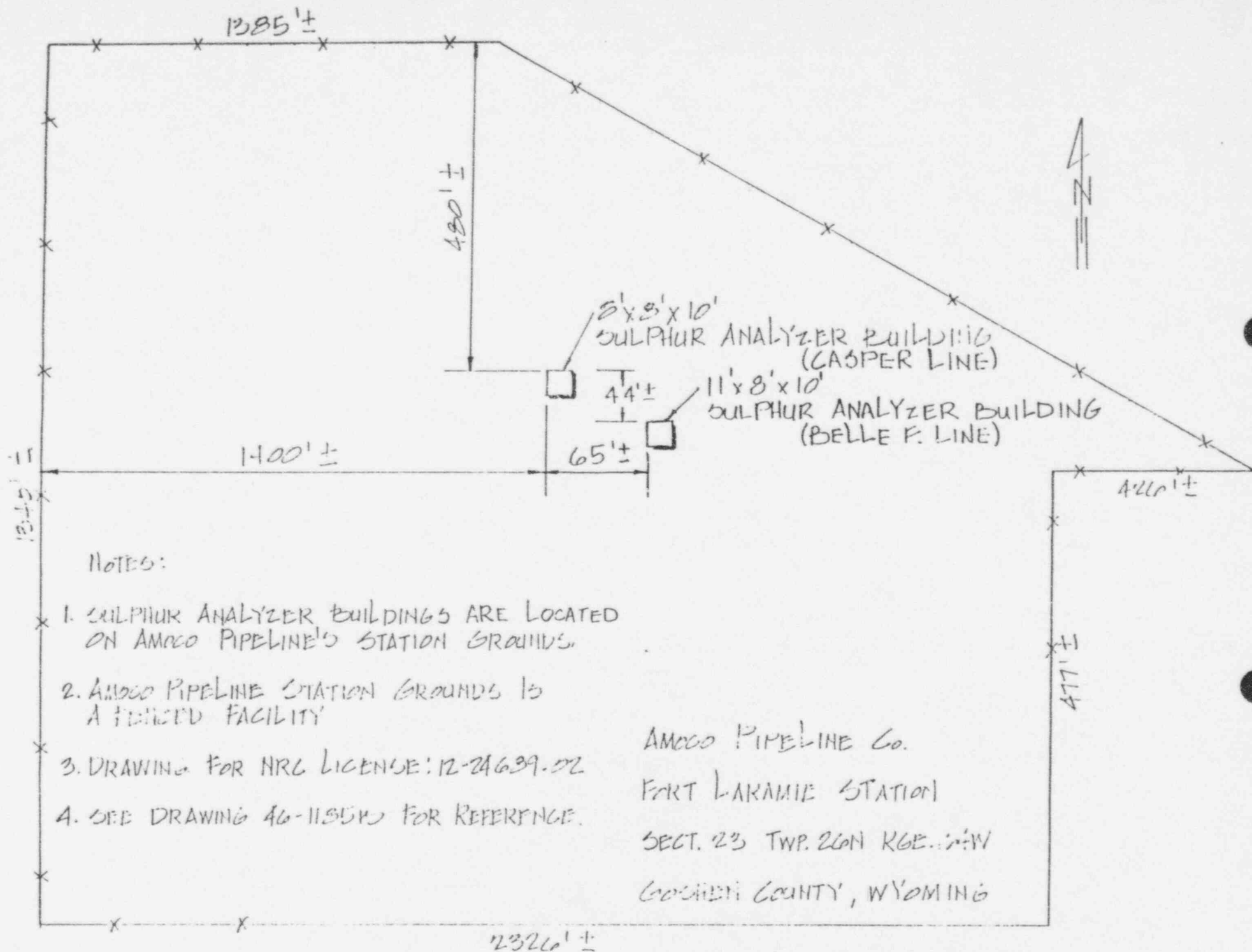
In addition, individuals are required to be familiar with the operating manual for each sulfur in oil analyzer in use at the facility.

ITEM 9

FACILITIES AND EQUIPMENT

Attached are diagrams indicating the current location(s) of the sulfur analyzers at each facility. Use of the analyzers is restricted by administrative control to individuals who have had appropriate training. Security in the area(s) where the analyzers are housed is such that it is extremely unlikely that an analyzer could be removed.

Ft. Laramie Station Facility Diagram



NOTES:

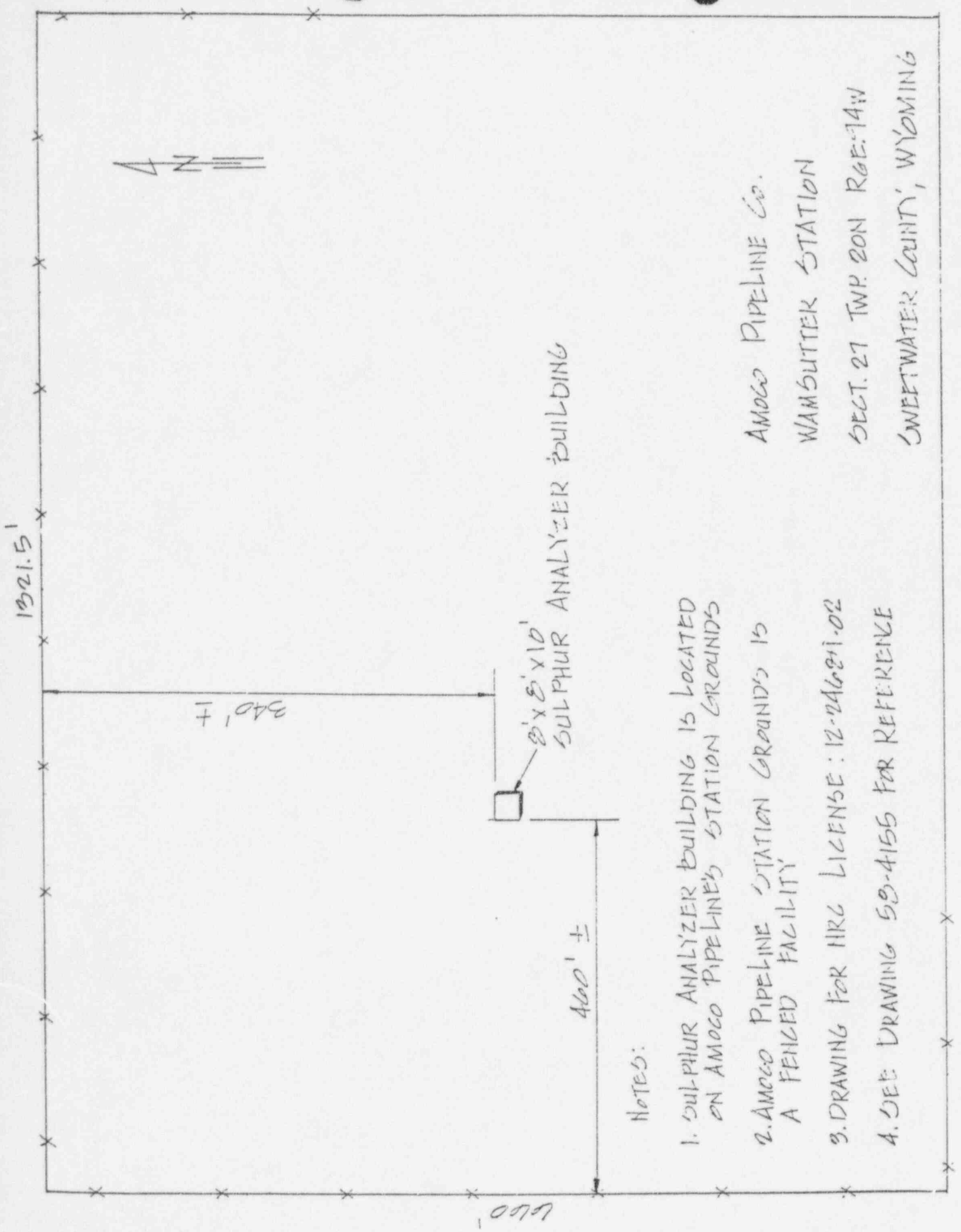
1. SULPHUR ANALYZER BUILDINGS ARE LOCATED ON AMOCO PIPELINE'S STATION GROUNDS.
2. AMOCO PIPELINE STATION GROUNDS IS A FENCED FACILITY
3. DRAWING FOR NRC LICENCE: 12-24639-02
4. SEE DRAWING 46-11554 FOR REFERENCE.

AMOCO PIPELINE Co.
 FORT LARAMIE STATION
 SECT. 23 TWP. 26N R6E. 12W
 GOSHUTE COUNTY, WYOMING

Granger Station Facility Diagram

No units are currently possessed at Granger Station Facility

Wamsutter Station Facility Diagram



Cushing Terminal Facility Diagram

7.36 Acres

Notes:
See Plans to find
WATER PUMP 3122,
See Building 8
Monitors and
No. 42-4722 SH. 2.

Emergency Line
447.35'

Location of
Sulfur Analyzer

See Detail A

Tank No. 2504
250,000 Bbls
EL. 911'

Tank No. 2503
250,000 Bbls
EL. 911'

Tank No. 2502
250,000 Bbls
EL. 911'

Tank No. 2501
250,000 Bbls
EL. 912'

Tank No. 3001
250,000 Bbls
EL. 912'

Tank No. 3004
250,000 Bbls
EL. 914'

Tank No. 3003
250,000 Bbls
EL. 914'

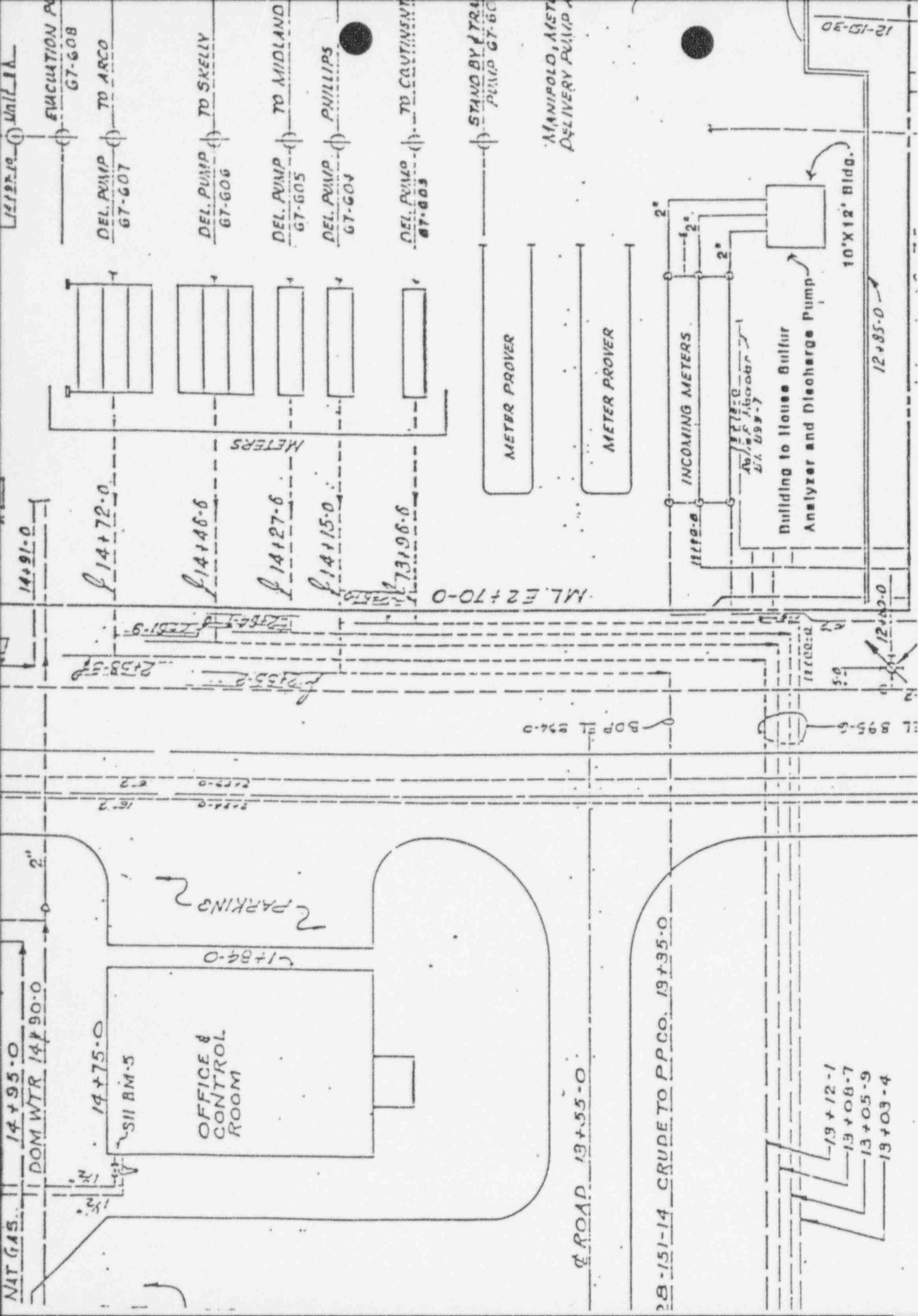
Tank No. 3002
250,000 Bbls
EL. 914'

Tank No. 2501
250,000 Bbls
EL. 914'



LOCATION MAP
Scale: 1/4" = 1 Mile

PAYNE CO.



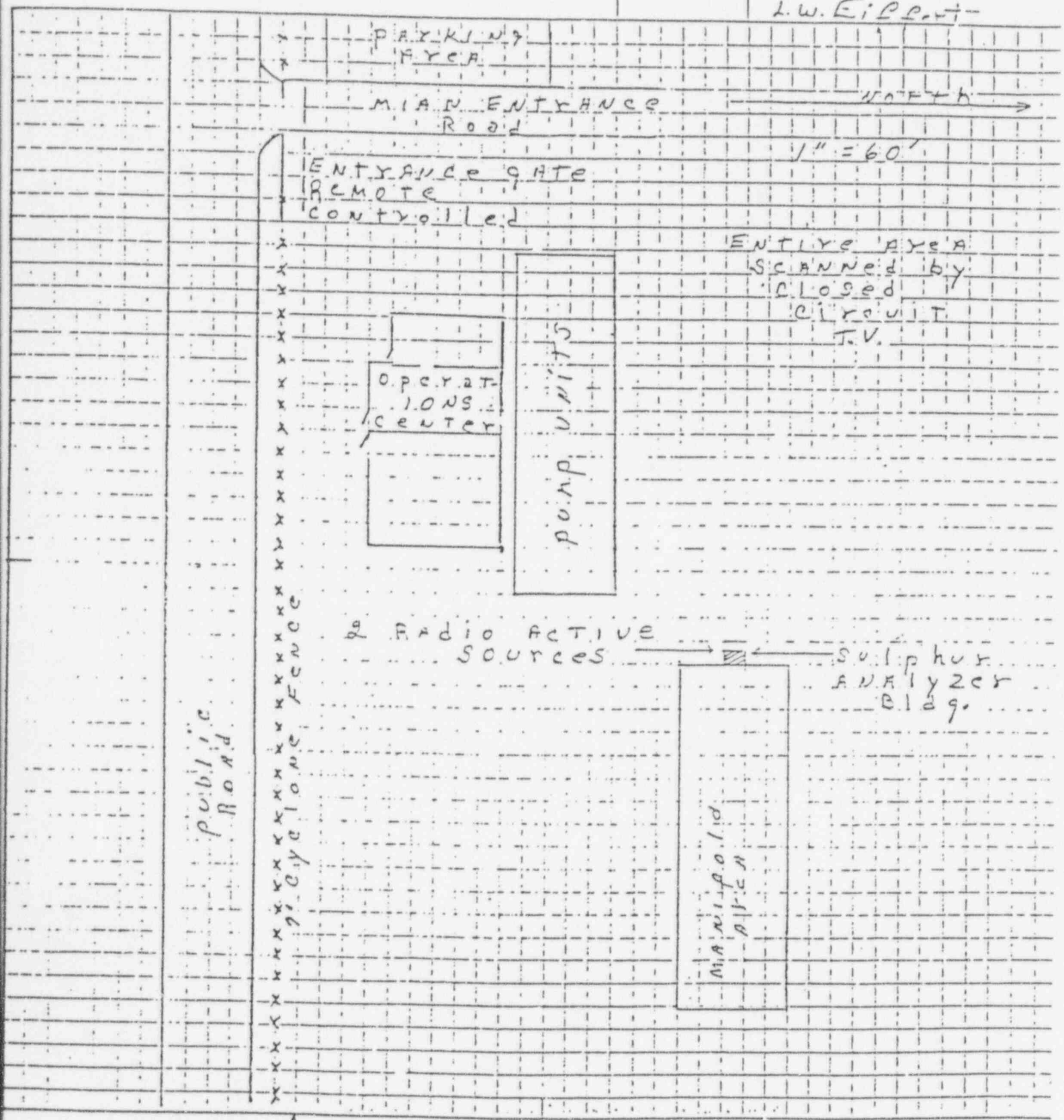
Freeman Station Facility Diagram

Freshman, Mo. Pumping Station

Field Sketch

(Physical Change To Pipeline Properties)

Address	Location Code
Project Name	
Date Completed	Date Completed
Map No.	Sketch By L.W. E. P. P. -



Instructions: List material involved and its source to aid in the preparation of the Material Transfers (Form 32-279). Use reverse side if Necessary. (See Engineer's Diagram Manual Part 1, Section B) and Field Procedure Manual, Section CON-6.

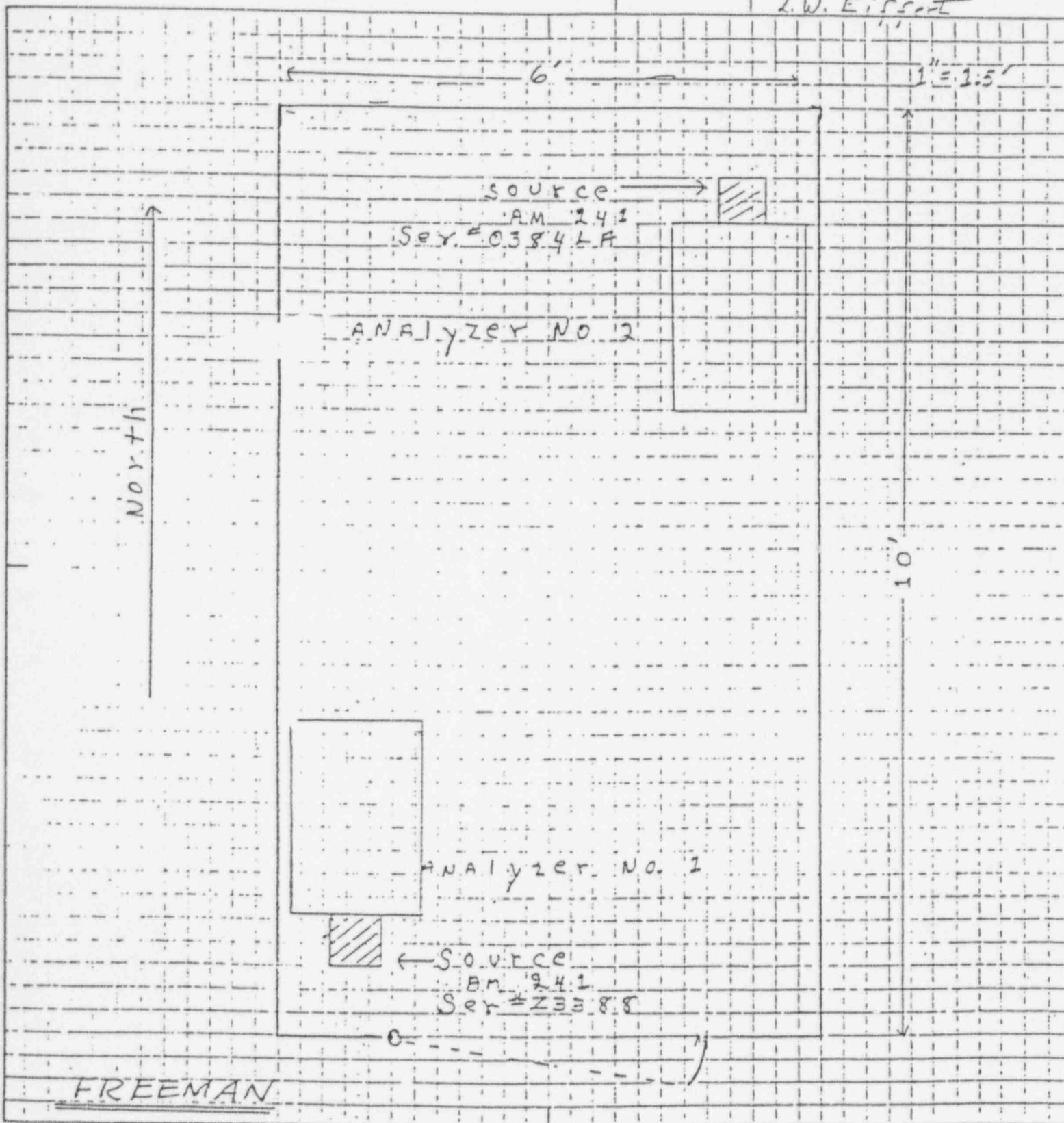
Diagram Number (For Field Engineer)

Sulphur Analyzer Building

Field Sketch

(Physical Change To Pipeline Properties)

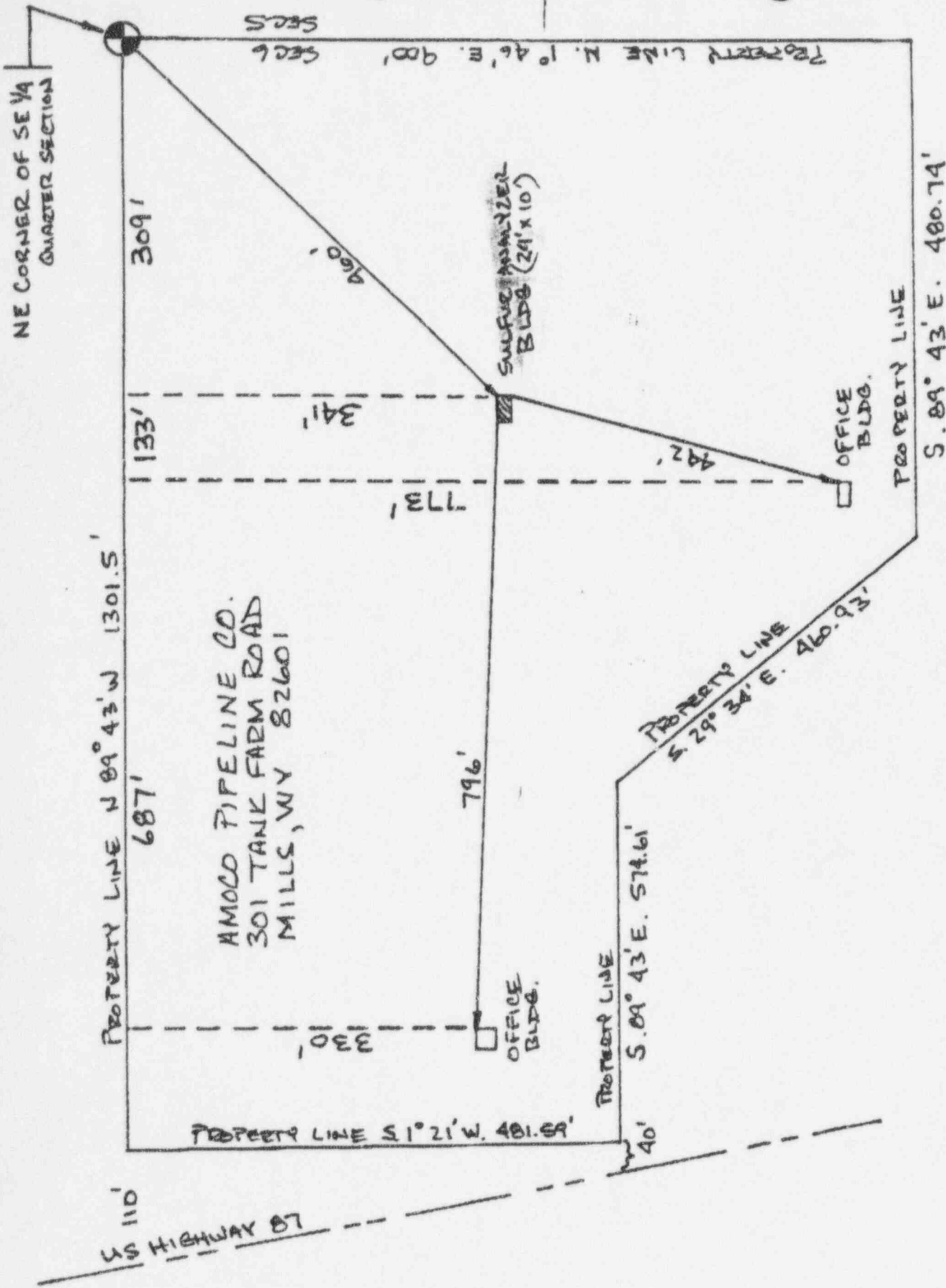
Appropriation	Location Code
Project Name	
Date <u>6-90-84</u>	Date Completed
Map No.	Sketch By <u>L.W. Eissert</u>



Instructions: List material involved and its source to aid in the preparation of the Material Transfers (Form 32-279). Use reverse side if Necessary. (See Engineer's Diagram Manual Part 1, Section B) and Field Procedure Manual, Section CON-5.

Diagram Number
(For Field Engineer)

Casper Station Facility Diagram



CASPER STATION

SE 1/4 OF SEC 6, T33N, R79W
NATRONA COUNTY, WYOMING

RLM 5/28/96

NOT TO SCALE

ITEM 10

RADIATION SAFETY PROGRAM

I. ALARA Commitment

Management Commitment

We, the management of this facility, are committed to keeping individual and collective doses as low as is reasonably achievable (ALARA).

Modifications to operating and maintenance procedures and to equipment and facilities will be made if they will reduce exposures unless the cost, in our judgment, is considered to be unjustified. We will be able to demonstrate, if necessary, that improvements have been sought, that modifications have been considered, and that they have been implemented when reasonable. If modifications have been recommended but not implemented, we will be prepared to describe the reasons for not implementing them.

We will keep staff members apprised of our commitment to the ALARA concept. This will include efforts, through training and policy statements, to ensure that personnel understand this commitment and how to implement it.

Additionally, we will ensure that an individual with qualifications commensurate with the scope of the program will be appointed as the Responsible Individual to coordinate the radiation safety program for each facility.

Responsible Individual Responsibilities

The Responsible Individual will perform an annual review of the radiation safety program, including ALARA considerations. This will include reviews of operating procedures and past dose records, inspections, etc., and consultations with the radiation safety staff or outside consultants. The results of the annual review will be reported to management. Results of this review shall be documented and maintained.

The Responsible Individual will investigate all known instances of deviation from good ALARA practices and, if possible, will determine the causes. When the cause is known, the RSO will implement changes in the program to maintain doses ALARA.

Individuals Who Operate Sulfur In Oil Analyzers

Workers will be instructed in the ALARA concept and their individual responsibility concerning the ALARA concept, its relationship to work procedures and work conditions, and in recourses available if they feel that ALARA is not being promoted on the job.

II. Leak Tests

Leak tests will be collected at 6 month intervals at each facility by the Responsible Individual or other individuals designated by the Responsible Individual who have completed the radiation safety training specified in ITEM 8. Results of leak tests will be documented and maintained for future inspection.

Leak tests will be analyzed by RSSI, 6312 W. Oakton, Morton Grove, IL 60053, Illinois License No. IL-01429-01 or by any other company specifically authorized by the Commission or Agreement State to perform such services.

III. Source Inventory

A physical inventory shall be conducted every 6 months to account for all sources received and possessed under the license. Records of inventories shall be maintained for future inspection.

IV. Personal Monitoring

Personal monitoring is not supplied to individuals operating sulfur in oil analyzers. Individuals operating the units are unlikely to receive, in 1 year from sources external to the body, a dose in excess of 10 percent of the limits in 10 CFR 20.1201(a).

V. Radiation Detection Instruments

Radiation detection instruments are not required for routine use of a sulfur in oil analyzer.

VI. Maintenance and Repair

Only the manufacturer or an individual specifically licensed by the NRC or an Agreement State will perform maintenance and/or repair services involving removal of the sealed source from the device or removal or dismantling of shielding for the sulfur in oil analyzer.

VII. Emergency Procedures

Exposure to sources of radiation

Terminate the source of exposure if possible, otherwise evacuate the area around the source and prevent others from entering the area by setting up a 50 foot perimeter. Notify the Responsible Individual. Seek medical attention if exposure is suspected.

Loss, theft, or damage to a source of radioactive material

In addition to the applicable procedures outlined above, notify the Responsible Individual immediately. The Responsible Individual will determine what actions need to be taken and whether notification of the NRC is required. The following information will be posted near each analyzer.

RESPONSIBLE INDIVIDUAL: _____

OFFICE PHONE: _____ HOME PHONE: _____

ALTERNATE NAMES AND TELEPHONE NUMBERS: _____

ITEM 11

WASTE MANAGEMENT

Disposal of sources will be by transfer to a licensee specifically authorized by the NRC or an Agreement State to possess the radioactive material. Authorized recipients may be the original supplier of the device, a commercial firm licensed by the NRC or an Agreement State to accept radioactive waste from another person, or another specific licensee authorized to possess the license material.

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001AMOCO PIPELINE COMPANY
ATTN: MANAGER E H & S DEPARTMENT
ONE MID AMERICA PLAZA
SUITE 300
OAKBROOK TERRACE, ILLINOIS 60181

TYPE OF ACTION

- ☐ NEW LICENSE
☐ RENEWAL OF LICENSE
☒ AMENDMENT TO LICENSE

REQUESTED DATE

7-25-96

LICENSE NUMBER

12-24689-01

CONTROL NUMBER

301656

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	290.00
AMOUNT DUE	\$	10.00

☐ Your request was received without the prescribed application fee.

☒ We received your Check No. 2048628 in the amount of \$ 290.00. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE, LICENSE FEE ANALYST

LFDCB

LFDCB

SHIRLEY CRUTCHFIELD

8/2/96

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:

☐ We received your Check No. _____ in payment of the fee.

☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.

☐ Your request was combined, prior to review, with your _____ request, Control No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
☐ ACCOUNT CLOSED
☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License No. _____, Amendment No. _____, issued on _____ was issued without the required fee being collected. The fee required is noted in Section I of this form.

☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

Distribution: OC/DAF/RF
Pending Fee File OC/DAF/SF(LF-3.2.7)
LFARB R/F (2) Region 3

DATE

Aug 5, 1996

SEP 27 1996

Jim Clark
Radiation Safety Officer
Amoco Pipeline Company
One Mid America Plaza
Suite 300
Oakbrook Terrace, IL 60181

Dear Mr. Clark:

Enclosed is Amendment No. 02 to your NRC Material License No. 12-24689-02 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;

301656

- b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Evelyn R. Matson
Nuclear Materials Licensing Branch

License No.: 12-24689-02

Docket No.: 030-31778

Enclosure: Amendment No. 02

DOCUMENT NAME: M:\03031778.CL6

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OFFICE	DNMS/RIII <i>MM</i>	<i>N</i>							
NAME	EMATSON:jaw								
DATE	09/11/96								

OFFICIAL RECORD COPY

AUG 09 1996

Jim Clark
Amoco Pipeline Company
One Mid America Plaza
Suite 300
Oakbrook Terrace, IL 60181

Dear Mr. Clark:

We have reviewed your application dated July 25, 1996, requesting an amendment to License No. 12-24689-02 and find that we need the following additional information:

1. Location:

Specify the location for the Casper Station using a descriptive address such as, 5 miles east on Highway 10, Anytown, State, to allow us to easily find your facility on a roadmap. The coordinates you provided give little assistance in this regard.

2. Training:

Regarding Item 8 of your application, please modify your training program to state that the training described in Item 8 will be provided to all employees who operate the devices and that no employee will be authorized to operate the devices until training has been completed. Please note that individuals who operate the devices may or may not be individuals who enter or frequent a restricted area.

3. Facility Description:

Your application should include the following information and should address each item separately:

- A. The environmental conditions to which gauges are exposed, e.g., elevated temperature, corrosive atmosphere, vibration.
- B. If the ambient temperature exceeds the maximum operating temperature specified by the manufacturer, thus creating a need to maintain a lower temperature by means of cooling jackets or similar measures, you should describe the cooling system used. In addition, discuss how the cooling system is maintained and the consequences of a failure of the cooling system.

- C. If a cooling system is used to maintain the temperature below the maximum operating temperature specified by the manufacturer, describe the method and procedures for detecting a cooling system failure. Describe your procedures for coping with a cooling system failure.
- D. Provide information on the maintenance of gauges, including (but not limited to) frequency, checks for proper shutter operation, checks that labels are legible and visible, and checks that gauges are protected against corrosive materials or materials at high temperature.

4. Lock-Out Procedures:

It is possible that most of an employee's body could receive exposure from the radiation beam from certain devices. For example, the radiation beam of a level gauge could traverse the bin or tank so an employee entering that bin or tank could receive a radiation exposure.

If this is the case with your devices, you should have "lock-out" procedures so that personnel will not be subjected to unnecessary exposure. The procedures should specify the means for preventing employees from entering the radiation beam during maintenance, repairs, or other work in, on, or around the bin, tank, or hopper on which the device is mounted. You do not need to submit the procedures. You should, however, submit the following statements:

- A. Say that you will prepare such procedures;
- B. Say that you will provide them to your personnel;
- C. Say that you will post the procedures so that personnel can see them, and
- D. Say that the individual who will be responsible for ensuring that personnel follow the lock-out procedures is the "responsible individual" named in Item 7.

I will continue my review of your application when I receive this information. Please reply in duplicate, within 15 days, and refer to Control Number 301656.

J. Clark

-3-

If you have any questions or require clarification on any of the information stated herein, please contact me at (630) 829-9822.

Sincerely,

Evelyn R. Matson
Health Physicist
Nuclear Materials Licensing Branch

License No. 12-24689-02
Docket No. 030-31778

DOCUMENT NAME: M:\03031778.DF6

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	DNMS/RIII	<i>N</i>							
NAME	ERMATSON:jaw	<i>ERM</i>							
DATE	08/16/96								

OFFICIAL RECORD COPY



Amoco Pipeline Company

One Mid-America Plaza
Suite 300
Oakbrook Terrace, Illinois 60181-4723
708-990-3700

August 28, 1996

Evelyn R. Matson
Health Physicist
Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

Re: LICENSE NO. 12-24689-02
CONTROL NO. 301656

Dear Ms. Matson:

The following are our responses to your request for additional information in your letter dated August 9, 1996. Our responses are keyed to your letter.

1. The street address for the Casper Station is 301 Tank Farm Road, Casper, WY 82061.
2. We verify that the training program described in Item 8 of our amendment will be provided to all new operators prior to their authorization to operate the devices.
- 3.A. The analyzers are designed to be operated at environmental temperatures and the extremes of outdoor conditions. They are not exposed to elevated temperatures, corrosive atmospheres or vibrations in excess of the manufacturer's normal operating parameters.
- 3.B. As of this date, environmental conditions have not required cooling of the analyzers for normal operation.
- 3.C. Cooling systems have not been used on any of the analyzers.
- 3.D. Normal maintenance that is described in the manufacturer's operating manual and allowed to be performed by the licensee is performed by appropriately trained personnel. Maintenance requiring access to the source will only be performed by the manufacturer or an individual specifically licensed to perform such work. Proper shutter operation checks, leak tests, label integrity checks and physical protection checks of analyzers are performed semi-annually.

RECEIVED

SEP 03 1996

REGION III
SEP 03 1996

Evelyn Matson
August 28, 1996
Page 2

4. The radiation beam of our sulfur analyzers are completely enclosed within the device. It is not possible for an individual to insert an extremity or a significant portion of the body in the radiation beam under normal operation. Therefore, lock-out procedures are not necessary for the purpose of exposure reduction.

If you have any questions, please call me at 630-990-6153.

Sincerely,

A handwritten signature in cursive script, appearing to read "James Clark".

Jim Clark
Coordinator, Safety and Health



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

July 29, 1996

Michael Link
Radiation Safety Officer
Amoco Pipeline Company
One Mid America Plaza Ste. 300
Oakbrook Terrace, IL 60181

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter X Application X Dated July 22, 1996)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

 New License X Amendment Renewal
 Termination Auth User (Amendment not required) QMP Revision
 Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information, technical issues that require additional information, or policy/technical issues that require coordination with headquarters or other NRC regional offices.

It appears that your request is routine (see 1-3 below, as applicable) and complete.

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (708) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301656
License No. 12-24689-02