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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

MAR 24 1994

St. Louis Airport Authority
ATTN: Col. Leonard L. Griggs
Director
St. Louis International Airport
P.O. Box 10212
St. Louis, MO. 63145

License No. SMB-0654 (terminated)
Docket No. 040-06811 (terminated)
License No. SMA-0862(terminated)

Dear Colonel Griggs:

SUBJECT: INSPECTION OF FORMER ATOMIC ENERGY COMMISSION (AEC) SITE
NRC REPORT NO. 999-90003/93030(DRSS)

This refers to the special inspection conducted by Mr. D. G. Wiedeman of this office on September 15-16, 1993, of the facilities located at 7210 Polson Lane, Hazelwood, Missouri; 9200 Latty Avenue, Hazelwood, Missouri; and 50 Brown Road (a.k.a 50-52 McDonnell Blvd.), St. Louis, Missouri. These facilities were previously occupied by Contemporary Metals Corporation and Continental Mining and Milling Company, former AEC licensees, Source Material License No. SMB-0654 and SMA-0862. The results of our inspection were discussed with Mr. Dennis McClure of Unipar, Inc., and Gerald Palau of Bechtel National, Inc., at the conclusion of the inspection. The inspection findings were also discussed with Mr. David Adler, U.S. Department of Energy (DOE) during a telephone conversation with Mr. D. G. Wiedeman on March 10, 1994.

The enclosed copy of our inspection report identifies areas examined during the inspection. The inspection consisted of a selective examination of representative records from the former license file, observations, independent measurements, and interviews with current employees of Unipar Corporation, U. S. Department of Energy and their primary contractor, Bechtel National, Inc.

Based upon this inspection, we concluded that the former licensed site at 7210 Polson Lane, Hazelwood, Missouri, was free of residual contamination; however, the remaining two sites located at 9200 Latty Avenue and 50 Brown Road (a.k.a. McDonnell Blvd.) still remain contaminated. It is also our understanding that characterization and remediation of these two former licensed sites are under the authority of the DOE's Formerly Utilized Sites Remedial Action Program (FUSRAP). However, because these sites were licensed by the predecessor of the NRC, and due to the complexity of these issues, we are continuing to review this matter to determine who (NRC, DOE or both) has jurisdictional responsibility for characterization and remediation of these sites. We will inform you when a decision regarding this matter is made.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, and the enclosures will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning the inspection.

Sincerely,

Gary L. Shear, Chief
Fuel Cycle and Decommissioning Branch

Enclosure: Inspection Report
No. 999-90003/93030(DRSS)

cc w/enclosure:
G. McNutt, Missouri Department
of Health
Gerald Palau, Bechtel National
David Adler, U.S. DOE
Rebecca C. Steward, Esq.,
Assistant City Counsel,
City of St. Louis

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 999-90003/93030(DRSS)

Docket No. 040-06811 (terminated)

License No. SMB-0654 (terminated)

License No. SMA-0862(terminated)

Licensee: Contemporary Metals Corporation
1039 South San Gabriel Boulevard
San Gabriel, California
-and-
Continental Mining & Milling Company
208 South LaSalle Street
Chicago, Illinois 60604

Inspection At:

7210 Polson Lane Hazelwood, Missouri	currently owned by:	Unipar, Inc.
9200 Latty Avenue Hazelwood, Missouri	currently owned by:	E. Dean Jarboe
50 Brown Road (a.k.a 50-52 McDonnell Blvd.) St. Louis, Missouri	currently owned by:	City of St. Louis

Inspection Conducted: September 15-16, 1993

Inspector: _____ 3/22/94
D. G. Wiedeman Date
Senior Health Physicist

Approved: _____ 3/23/94
G. M. McCann, Chief Date
Fuel Facilities and Decommissioning
Section

Inspection Summary

Inspection on September 15-16, 1993 (Report No. 999-90003/93030(DRSS))
Areas Inspected: This was a special inspection of Contemporary Metals Corporation and Continental Mining and Milling Company's former Atomic Energy Commission (AEC) licenses. This inspection was part of an NRC project to evaluate approximately 17,000 retired licenses. An NRC contractor, Oak Ridge National Laboratories (ORNL) performed the evaluation. On the basis of the information in the retired license file, such as type and quantity of

authorized materials and lack of adequate decontamination documentation, ORNL concluded that these facilities have a potential for residual contamination.
Results: The NRC inspector determined that the facilities located at 9200 Latty Avenue, Hazelwood, Missouri and 50-52 McDonnell Blvd., St. Louis, Missouri, contain significant quantities of residual contamination. These sites are currently being characterized and remediated by the U.S. Department of Energy's Formerly Utilized Sites Remedial Action Program (FUSRAP) with oversight by the U.S. Environmental Protection Agency. The facility located at 7210 Polson Lane, Hazelwood, Missouri, was never used for licensed activities.

DETAILS

1. Persons Contacted

*Gerald Palau, Project Manager, FUSRAP, Bechtel National, Inc.
Eric Dennison, Radiation Safety, Occupational Safety and Environmental Health, McDonnell-Douglas Co.
*Gary McNutt, Radiological Health Analyst, Missouri State Department of Health
*Daniel Tschirgi, P.E., Environmental Engineer, Hazardous Waste Program, State of Missouri, Department of Natural Resources
*Dennis McClure, Vice President, Unipar, Inc.
#David Adler, Site Manager, U.S. Department of Energy
Charles Arnold, Environmental Specialist, Missouri State Department of Health, Bureau of Environmental Epidemiology
@E. Dean Jarboe, President, Futura Coatings, Inc.

*Attended the exit meeting conducted on September 15 & 16, 1993.
#Telephone conversation conducted on March 10, 1994, regarding the findings of the inspection.
@Telephone conversation on October 7, 1993, regarding the findings of the inspection.

2. Background

Between 1942 and 1958, uranium bearing ores were processed by Mallinckrodt Chemical Company of St. Louis, Missouri, under contracts with the Atomic Energy Commission (AEC) and its predecessor, the Manhattan Engineering District (MED). Process residues from these operations were stored at a site adjacent to the St. Louis Airport, then known as 50 Brown Road, Roberts, Missouri, now known as 52 McDonnell Boulevard, St. Louis, Missouri. These residues contained residual quantities of uranium-238, uranium-235, uranium-234, thorium-230, thorium-232 and radium-226.

On March 7, 1962, the AEC issued Invitation No. AT-(23-2)-46, for the sale of the residues stored at a 21 acre tract north of the St. Louis Municipal Airport (50 Brown Road, Robertson, Missouri), Attachment A. The invitation stipulated that the successful bidder must procure a valid AEC source material license prior to taking possession of the stockpiled residues. In a letter dated April 12, 1962, the AEC accepted Contemporary Metal's bid of $126,500.00 and advised them that permission to proceed with the removal of the residues would be issued after they obtain an AEC license, Attachment B. AEC Source Material License No. SMB-0654 was issued to Contemporary Metals Corporation, San Gabriel, California on September 25, 1962. This license was terminated on February 14, 1966, when License No. SMA-0862 was issued to their subsidiary Continental Mining & Milling Company of Chicago, Illinois, Attachments C and D. License No. SMB-0654 authorized

possession of 125,000 tons of uranium and thorium residues stored at 50 Brown Road, and the licensee's processing facility at 7210 Polson Lane, Hazelwood, Missouri.

The licensee requested renewal of their license on February 4, 1966. In the renewal application they requested a name change from Contemporary Metals to Continental Mining and Milling Company and a new location of use. The address was changed from 7210 Polson Lane to 9200 Latty Avenue, Hazelwood, Missouri along with the requested name change.

No material had been used or processed at that time at the Polson Lane address. On February 14, 1966, License No. SMA-0862 was issued which authorized removal of stockpile residues from 50 Brown Road, and storage only at 9200 Latty Avenue, Hazelwood, Missouri, Attachment D. During the next several months, Continental Mining and Milling Co. started moving the material to its proposed processing site at 9200 Latty Avenue. Due to financial problems in late 1966, Continental Mining and Milling Co. went into receivership and Commercial Discount Corporation of Chicago, Illinois took possession if its assets, including the Latty Avenue property and the uranium residues which were stored on site. The AEC issued Source Material License No. SMC-0907 to Commercial Discount Corporation on December 29, 1966, and authorized storage of 125,000 tons of uranium and thorium residues at 9200 Latty Avenue, Hazelwood, Missouri, Attachment E. On June 28, 1967, the license was amended to allow conditioning the source material by drying it to 15% moisture content prior to shipping it to Cotter Corporation in Canon City, Colorado. Apparently this was the only licensed activity that took place at the Latty Avenue address. In December 1969, the remaining residues at Latty Avenue were sold to Cotter Corporation.

AEC Source Material License No. SUB-1022 was issued to Cotter Corporation on December 29, 1969, for possession and use of these materials. In August 1970, Cotter Corporation began drying and shipping the remaining residues to their mill in Canon City, Colorado at a rate of approximately 400 tons of dry source material per day. This operation was performed for Cotter by B&K Construction Company of St. Louis, Missouri. By November 1970 most of the residues had been shipped to Canon City with the exception of 10,000 tons of Colorado raffinate and 8,700 tons of leached barium sulphate raffinates. There was no further activity at the Latty Avenue site until July 1973 when the remaining Colorado raffinate was shipped to Canon City.

During an April 1974 NRC Region III inspection of the Latty Avenue site, it was indicated that leached barium sulphate raffinates, containing 0.05 to 0.1% uranium, had been diluted with about 39,000 tons of earth, excavated during decontamination of the Latty Avenue site, and disposed in the West Lake landfill in Bridgeton, Missouri. In May 1974, Cotter Corporation submitted a request to terminate their license. Decontamination data was provided indicating that the Latty Avenue site had been decontaminated to levels acceptable for unrestricted use. The termination request also included an affidavit certifying that all

source material had been removed from the site. The AEC did not perform a verification survey of the property; and, in November 1974, Source Material License No. SUB-1022 was terminated.

Local media interest in August 1976, regarding the disposal of the uranium residues at the West Lake Landfill, prompted the NRC to conduct surveys at the Latty Avenue site to evaluate the decontamination effort by Cotter Corporation. The residual contamination levels found exceeded the NRC criteria for release of the site for unrestricted use. The NRC, in an attempt to further define the contamination at the site, contracted with Oak Ridge National Laboratories (ORNL) to perform a detailed radiological survey of the property, including the buildings. The NRC also concluded that about 7 tons of uranium oxide (U_3O_8), contained in 8,700 tons of leached barium sulfate residues had been mixed with about 39,000 tons of soil from the Latty Avenue site, and the entire volume was disposed of at the West Lake Landfill by Cotter Corporation.

During a site visit to the Latty Avenue property in June 1977, ORNL and NRC personnel discovered that three and one half acres of the property, on which the four buildings were located, had recently been purchased by a Mr. E. Dean Jarboe. At that time, it was Mr. Jarboe's intentions to refurbish the buildings and build a paint/chemical plant.

ORNL survey of the Latty Avenue property revealed radiation levels in excess of the NRC criteria for unrestricted use. Radon levels in two of the buildings were in excess of accepted guidelines established at that time by the Surgeon General.

In 1978, Mr. Jarboe contacted the NRC licensing staff about decontamination of the buildings and the three and one half acres of property. The NRC staff provided Mr. Jarboe with the Commission's guidance for the decontamination of buildings and equipment prior to the release for unrestricted use. Decontamination started during the summer of 1978 and was completed in August 1979. During this period, two of the original buildings on this site were razed during the decontamination activities. The two remaining buildings and the surrounding three and one half acres were released for unrestricted use. The contaminated soil removed during the decontamination effort was consolidated in a pile centered on the eastern portion of the property (see Attachment F for photograph of the stored pile of contaminated soil). The Latty Avenue site remained essentially in this state until 1984 when Congress directed the U. S. Department of Energy (DOE) to conduct a decontamination research and development project at several sites throughout the nation, including the Latty Avenue site and vicinity properties along with the 50 Brown Road site in St. Louis, Missouri. All three of these contaminated sites are part of the DOE characterization and remediation effort.

3. Facility Status

a. The former licensed site of Contemporary Metals Corporation (License No. SMB-0654) located at 7210 Polson Lane, Hazelwood, Missouri, (Attachment G) is occupied by Unipar, Incorporated. Review of historical documents in the license files and independent radiation measurements indicates that licensed materials were never used, processed or stored at this site. The NRC inspector's direct radiation measurements did not identify any radiation levels above natural background (see Attachment G for survey results).

b. The former licensed site of Contemporary Metals Corp. and Continental Mining & Milling Co., located at 50 Brown Road, Robertson, Missouri (now known as 50-52 McDonnell Boulevard, St. Louis, Missouri), is a fenced vacant lot with no homes near the site (see Attachment H for photograph of the site). The property owner is the City of St. Louis and managed by the Airport Authority, however, as of July 1993, DOE relinquished access control to the City of St. Louis Airport Authority which now maintains access control. Site characterization and remediation of the residual contamination was delegated to DOE pursuant to the Energy, Water and Development Appropriations Act as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to it's National Priorities List (NPL) under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

c. Currently, the former licensed site of Contemporary Metals Corp., Continental Mining & Milling, Commercial Discount Corporation, and Cotter Corporation, located at 9200 Latty Avenue, Hazelwood, Missouri, is owned by Mr. E. Dean Jarboe, owner of Jarboe Reality and Investment Co., Inc., and Futura Coatings, Inc. The site has been divided into two areas. The area with residual contamination is fenced and access control is maintained by DOE and their contractors. The Futura Coatings, Inc., site was remediated in 1978; and, in August 1979, the two remaining buildings and land were released for unrestricted use (see Attachment I for photographs of the site). Site characterization and/or remediation of the residual contamination was delegated to the DOE pursuant to the Energy and Water Development Appropriations Act (Public Law 98-50, 98-360) as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to it's National Priorities List (NPL) under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

d. Currently, the site where radioactive wastes were disposed of (West Lake Landfill) by Cotter Corporation during the period July-October 1973, is owned by Laidlaw and Rockroad, Inc. This site is a 200 acre tract on the outskirts of the city of St. Louis. A concrete plant is operating on site, as well as a 22 acre demolition landfill and a 52 acre sanitary landfill. The property is on the border of the Missouri River Valley about 1.9 km (1.2 miles) from the river.

This site contains significant quantities of residual contamination which was the result of disposal of licensed material. This site is currently listed on the NRC Site Decommissioning Management Plan (SDMP) and the EPA's National Priorities List (NPL); however, the U.S. Environmental Protection Agency (EPA) Region VII office has the lead on the remediation of this site under the EPA CERCLA program. EPA identified four potentially responsible parties for the remediation of this site, these are Cotter Corporation, Laidlaw Waste Systems, Rock Road Industries, and the U. S. Department of Energy.

4. Independent Measurements

The NRC inspector conducted radiologic surveys, with assistance from a representative of the Missouri Department of Health, at 7210 Polson Lane, Hazelwood, Missouri, and along the road way and front gate at 50 Brown Road, now known as 50-52 McDonnell Boulevard, St. Louis, Missouri. The inspector's surveys of the Polson Lane site and adjacent property did not identify any radiation levels above natural background. Radiation levels at the front gate of the 50 Brown Road site were four times above natural background (60 microroentgens per hour {gamma})(μR/h) (15 nanocoulomb per kilogram per hour) (nC/kg/h) and the road side was approximately six times above background (200-300 counts per minute {cpm} beta+gamma).

Background measurements taken in the St. Louis area with a Victoreen, Model 190 showed 40-50 cpm and the Ludlum Model 19 microR meter indicated 7-15 μR/h {1.5-3.7 nC/kg/h}. Response and constancy checks were performed on both survey instruments prior to the surveys. Attachment G of this report shows locations surveyed and measurement results.

5. Exit Meeting

The NRC inspector met with the individuals identified in Section 1 of this report and summarized the findings of the inspection. The inspector informed all parties that the independent radiologic survey of the Polson Lane site indicated that the site was free of residual contamination; however, the Latty Avenue and McDonnell Boulevard sites

still contain significant quantities of residual contamination. During the exit meetings with the various participants, none of the participants indicated that the inspection findings or documents that were provided to the inspector were considered proprietary.

Attachments:
A. Government Property Sale announcement dated 3/7/62
B. Letter to Contemporary Metals Corp. dated 4/12/62
C. AEC License No. SMB-0654 dated 9/25/62
D. AEC License No. SMA-0862 dated 2/14/66
E. AEC License No. SMC-0907 dated 12/29/66
F. Photograph of temporary storage piles at Latty Avenue site
G. Survey results of Polson Lane site and 50 Brown Road
H. Photograph of Brown Road (McDonnell Blvd.) site
I. Photograph of entrance to Latty Ave. sites

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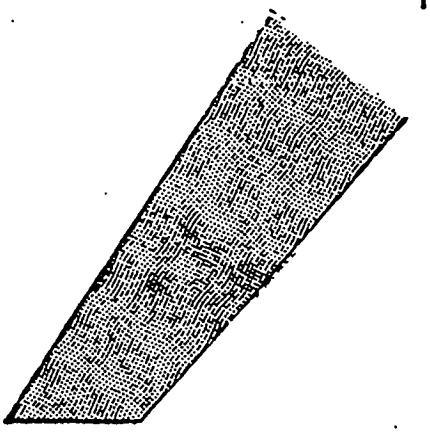
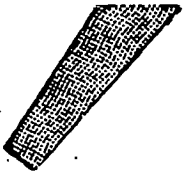
Sale



GOVERNMENT PROPERTY



Page No. 1 of 11 Pages of
Invitation No. AT-(23-2)-46
Dated March 7, 1962

Sealed bids in triplicate subject to the terms and conditions set forth herein, for the purchase and removal of the Government-owned property listed in this Invitation, will be received until the time, date, and at the place indicated below, and then publically opened.

Time of Opening - 2:00 p.m. EST
Date of Opening - April 10, 1962
Place of Opening - Atomic Energy Commission Office
Weldon Spring, Missouri
Bid Deposit of $2,000 is required

Inspection Invited between 8:00 a.m. and 4:00 p.m.
Arrange with H. R. Osterwald or C. H. Fisher,
Telephone St. Louis WY-3-9400
Issued by St. Louis Area Office
U. S. Atomic Energy Commission
Address: Box 470, St. Charles, Missouri

Property located in open storage on a 21-acre tract at Robertson, Missouri, immediately north of St. Louis Municipal Airport and east of McDonnell Aircraft Corporation Plant on Brown Road in St. Louis County. Residues stored are shown on attached drawing subject, "Topographical Location of Plant Facilities for Mallinckrodt Chemical Works," MCW Drawing No. 6-1403-19.

ATTACHMENT A
PAGE 1 of 1 PAGES

114871

UNITED STATES
ATOMIC ENERGY COMMISSION

Post Office Box 470
St. Charles, Missouri

APR 12 1962

IN REPLY REFER TO:
O:HRO

Mr. Clemons M. Roark, President
Contemporary Metals Corporation
620 North Denton Way
Los Angeles 26, California

Subject: ACCEPTANCE OF BID UNDER INVITATION NO. AT-(23-2)-46

Dear Mr. Roark:

Your bid dated April 9, 1962, to purchase and remove Government-owned property as listed in Invitation No. AT-(23-2)-46 dated March 7, 1962, in the amount of $126,500, is hereby accepted by the Atomic Energy Commission.

A Notice to Proceed with removal of the residues will be issued when you have obtained a license to receive, process, use or transfer the source material contained in the residues from the Director, Division of Licensing and Regulation, U. S. Atomic Energy Commission, Washington 25, D. C., and when you have furnished a performance bond in the amount of $50,000.

Since other Commission contractors may be working at the site during your removal operations, coordination with their work will be required.

Very truly yours,

F. H. Belcher
Area Manager

CERTIFIED MAIL, RETURN RECEIPT REQUESTED

ATTACHMENT B
PAGE 1 of 1 PAGES

AEC—410
(1-61)

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

Licensee	3. License No. SMB SNM-654
1. Name Contemporary Metals Corporation	4. Expiration Date January 1, 1964
2. Address 1039 South San Gabriel Boulevard San Gabriel, California	5. Docket No. 40-6811

6. Source Material	7. Maximum quantity of source material which licensee may possess at any one time under this license
Uranium and thorium.	125,000 tons of residues presently stockpiled at Brown Road, Robertson, Missouri.

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)

For use in accordance with the procedures described in the licensee's application dated May 17, 1962, and supplements dated May 28, July 19 & 20, August 28 & 31, 1962.

9. Authorized places of use: Residue stockpile at Brown Road, Robertson, Missouri, and the licensee's processing facility at 7210 Polson Lane, Hazelwood, Missouri.

10. Process operations shall begin only at such time as the licensee has completed the installation of all equipment and facilities as described in the application and supplements thereto. However, removal and preparatory operations at the residue stockpile site may begin at such time as the equipment and facilities described in the application and supplements thereto for this operation have been completed.

[redacted]

ATTACHMENT C
PAGE 1 of 2 PAGES

SOURCE AND PRODUCT MATERIAL LICENSE

Supplementary Sheet

114871

License Number SMB-554

11. Mr. Alan R. Denning shall serve as the Director of the radiological safety program described in the application and supplements thereto specified in Item 8 of this license.

12. The St. Louis Testing Laboratory shall perform the quality control services as described in the application and supplements thereto specified in Item 8 of this license.

13. The licensee shall submit after the first three (3) months of operations, a report containing the results of the required radiological surveys.

14. The licensee is hereby exempt from the requirements of Section 20.203(e)(2) and 20.203(f)(2), 10 CFR 20, for areas and containers within the plant, provided all entrances to the plant are conspicuously posted in accordance with Section 20.203(e)(2) and with the words, "Any area or container within this mill may contain radioactive material".

For the U. S. Atomic Energy Commission

Date_____ by_____

Division of Licensing and Regulation
Washington 25, D. C.

ATTACHMENT C
PAGE 2 of 2 PAGES

Form AEC—410
(1-61)

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE COPY

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

Licensee	3. License No. SMA-862
1. Name Continental Mining & Milling Co.	4. Expiration Date February 28, 1969
2. Address 208 South LaSalle Street Chicago, Illinois 60604	5. Docket No. 40-6811

6. Source Material	7. Maximum quantity of source material which licensee may possess at any one time under this license
Uranium and thorium.	125,000 tons of residues presently stockpiled at 50 Brown Road, Robertson, Missouri

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)
Removal of stockpile residues from 50 Brown Road, Robertson, Missouri, and storage only at the licensee's facilities located at 9200 Latty Avenue, Hazelwood, Missouri, in accordance with the procedures described in the licensee's application dated February 4, 1966, and supplements dated February 7 and February 8, 1966.

9. Transfer of source material to the licensee's Hazelwood, Missouri, site is not authorized until fencing and lock gates have been installed in accordance with the licensee's submittal dated February 8, 1966.

KBL 2/10/66 DA 2/14/66

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance _____

Don F. Harmon
Division of Materials Licensing

U. S. GOVERNMENT PRINTING OFFICE : 1962 O - 632985

COPY

ATTACHMENT D
PAGE 1 of 1 PAGES

COPY

114871

Form AEC-410
(1-31)

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

Licensee	3. License No.
1. Name Commercial Discount Corporation	SMC-907
2. Address 105 West Adams Street Chicago, Illinois 60603	4. Expiration Date December 31, 1969
	5. Docket No. 40-7603

6. Source Material	7. Maximum quantity of source material which licensee may possess at any one time under this license
Uranium and Thorium	125,000 tons of residues containing source material.

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)

For storage only in accordance with the procedures described in the licensee's application dated December 14, 1966.

9. Authorized place of storage: 9200 Latty Avenue
Hazelwood, Missouri

BJM 12/27/66 DA 12/29/66

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance 12/29/66

Don F. Harmon
Division of Materials Licensing

☆ U. S. GOVERNMENT PRINTING OFFICE : 1962 O - 632985

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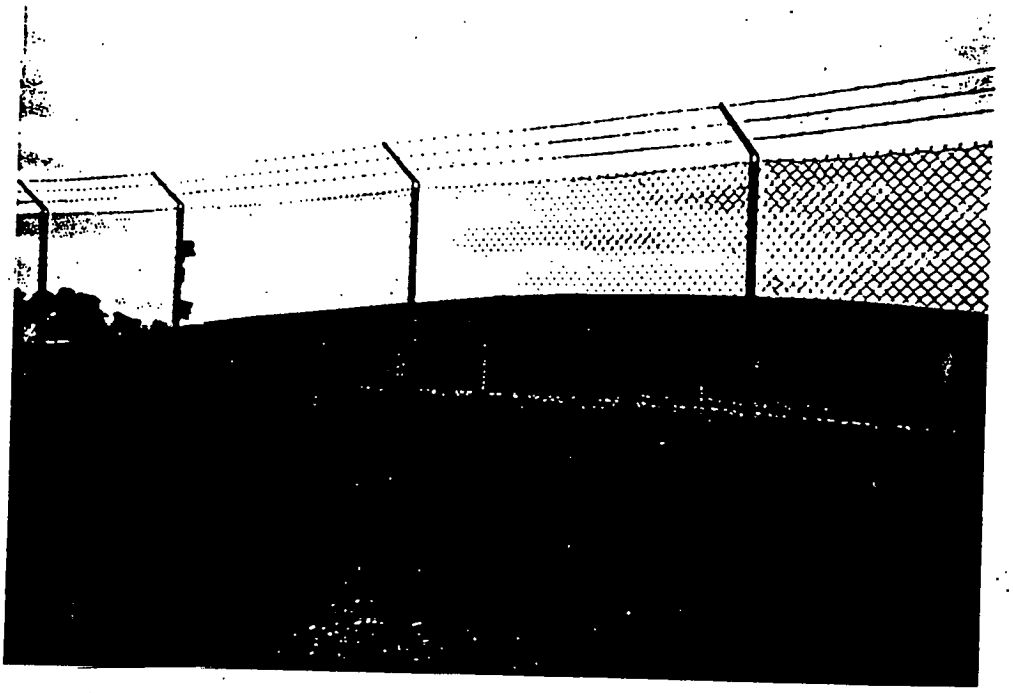
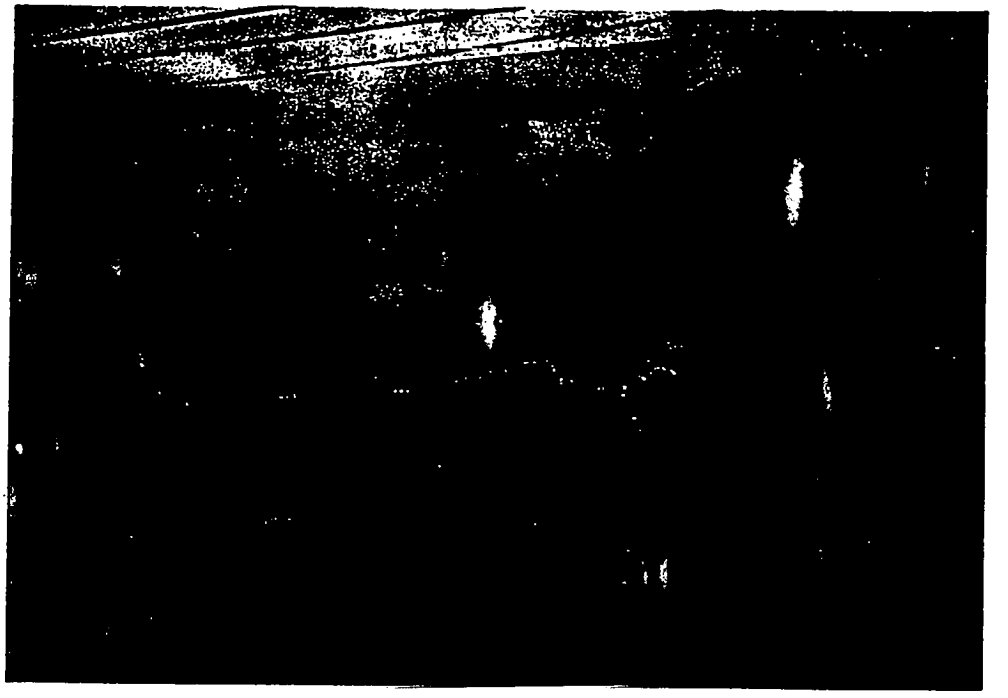
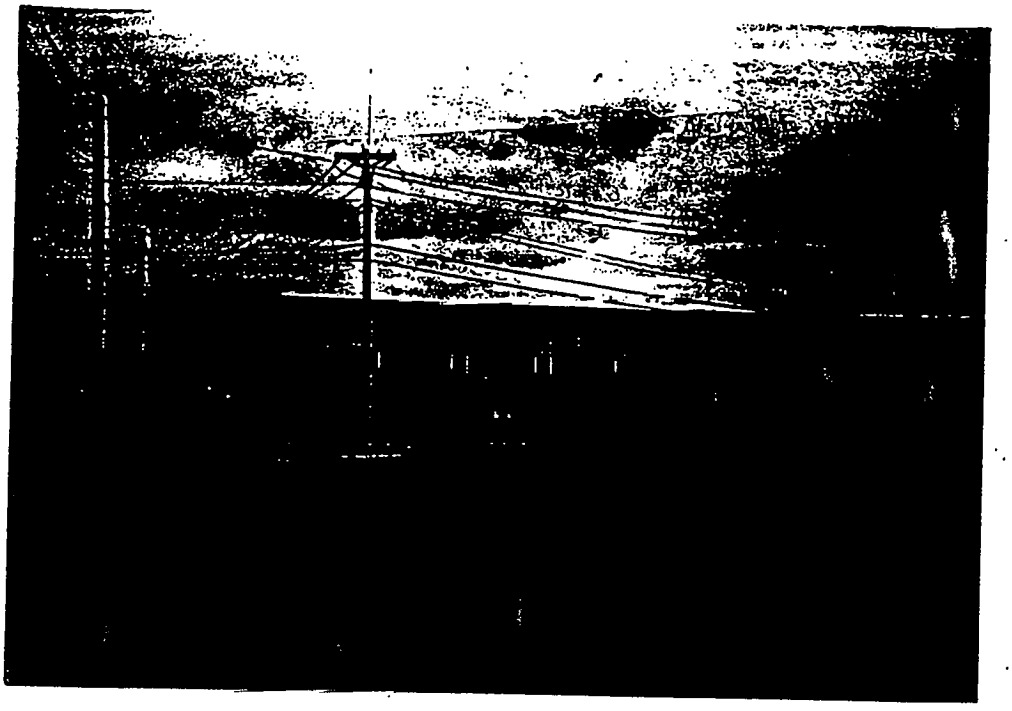
ATTACHMENT E
PAGE 1 of 1 PAGES

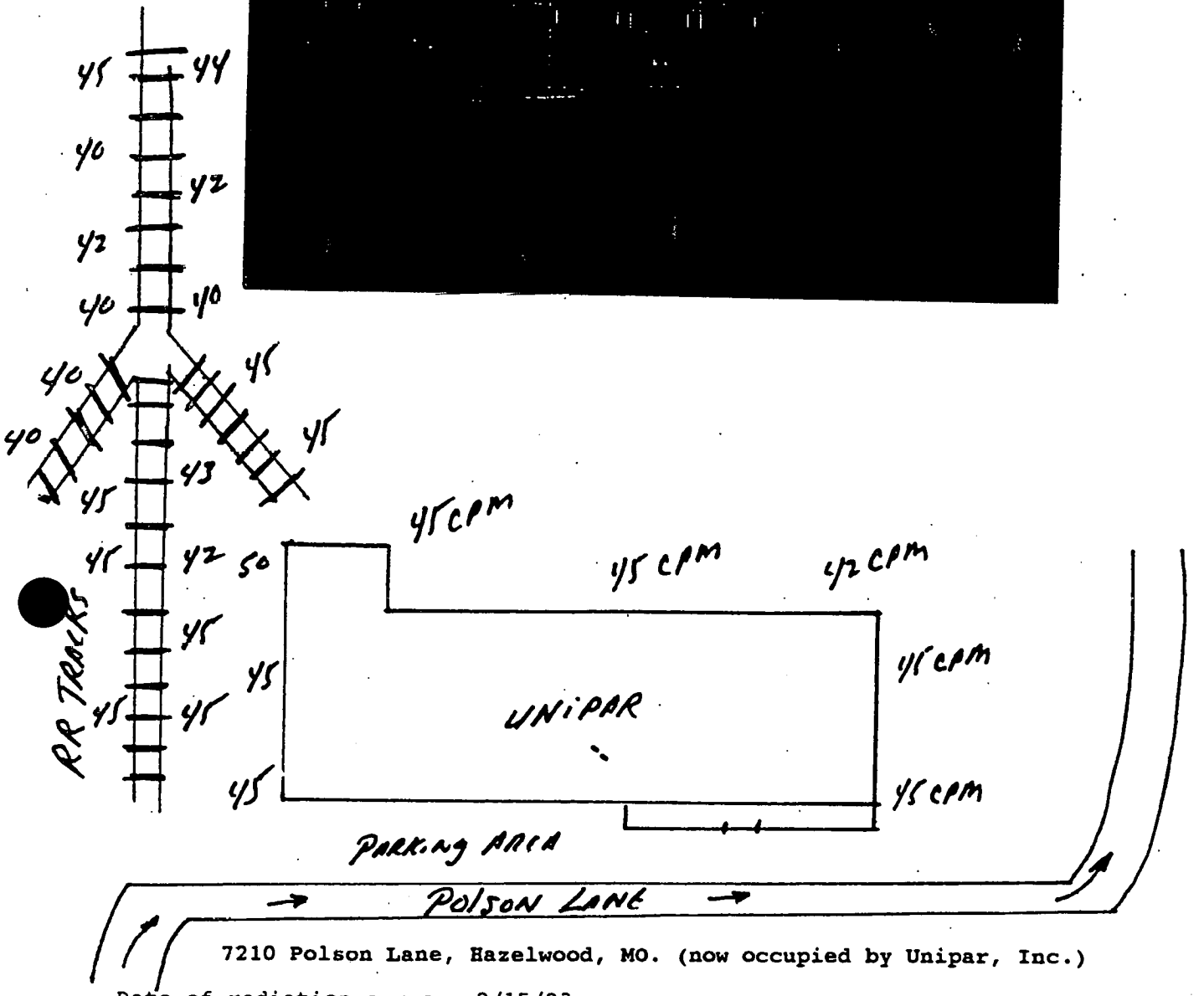




Photograph of temporary storage piles at 9200 Latty Avenue, Hazelwood, MO.

Note- Original photographs are located in NRC Region III files
Report No. 99990003/93030(DRSS)

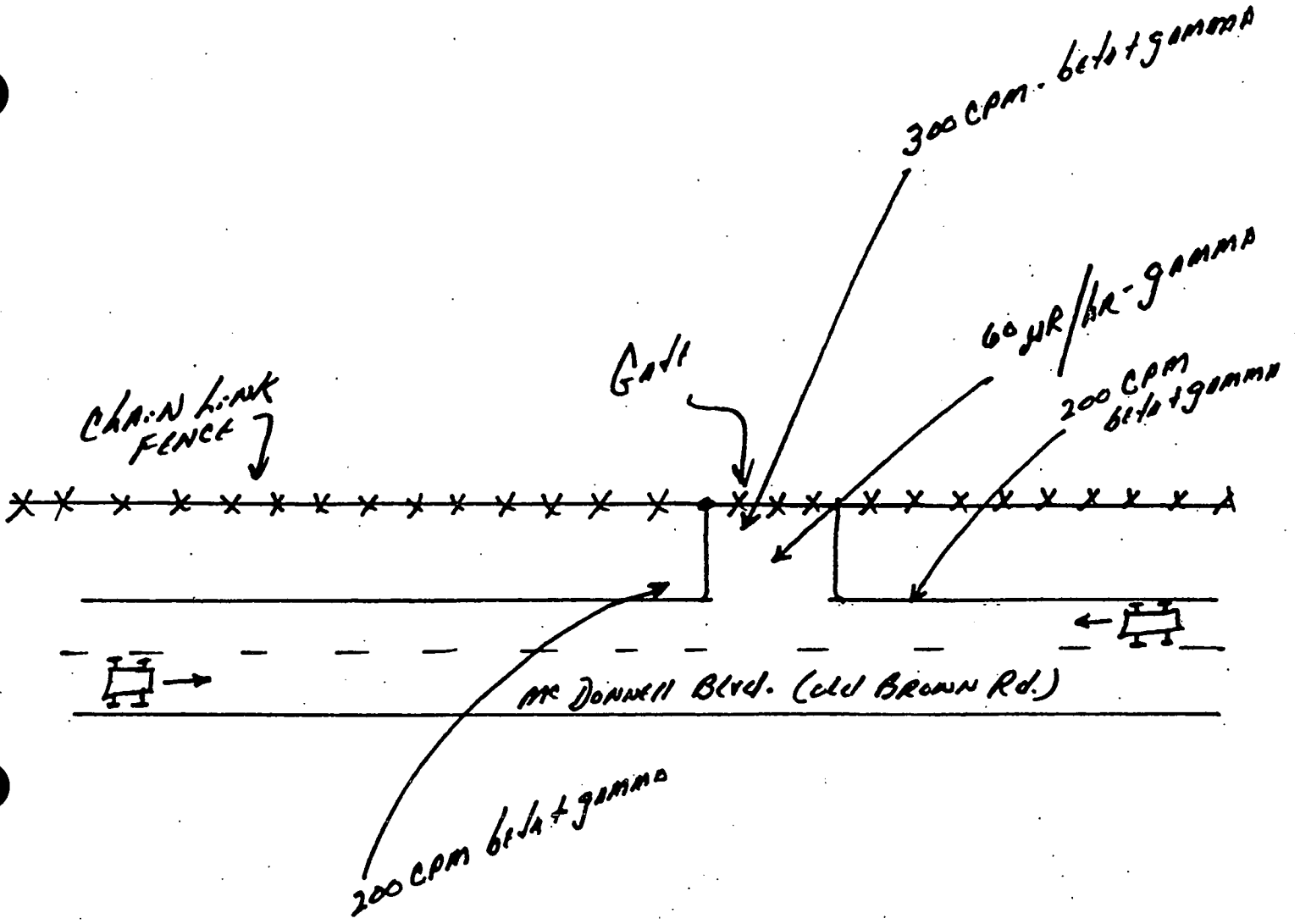




7210 Polson Lane, Hazelwood, MO. (now occupied by Unipar, Inc.)

Date of radiation survey- 9/15/93
Survey Instrument- Victoreen 190, w/10cm^2 pancake probe
Calibration date- 1/22/92
Serial No. 699
NRC Tag No. 042444
Background reading- 40-50 counts/minute (cpm) {beta + gamma}
Note- All direct radiation readings include background and all surveys were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings are in units of counts/minute (cpm) and include background (40-50 cpm) {beta+gamma} or microR/hour {gamma} as noted.
Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo. Department of Health

Attachment G



50 Brown Road (now McDonnell Blvd.) St. Louis, MO. (front gate)

Date of radiation survey- 9/15/93
Survey Instrument- Victoreen 190, w/10cm^2 pancake probe
Calibration date- 1/22/92
Serial No. 699
NRC Tag No. 042444
Background reading- 40-50 counts/minute (cpm) {beta + gamma}
Note- All direct radiation readings include background and all surveys were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings are in units of counts/minute (cpm) and include background (40-50 cpm) {beta+gamma} or microR/hour {gamma} as noted.
Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo. Department of Health

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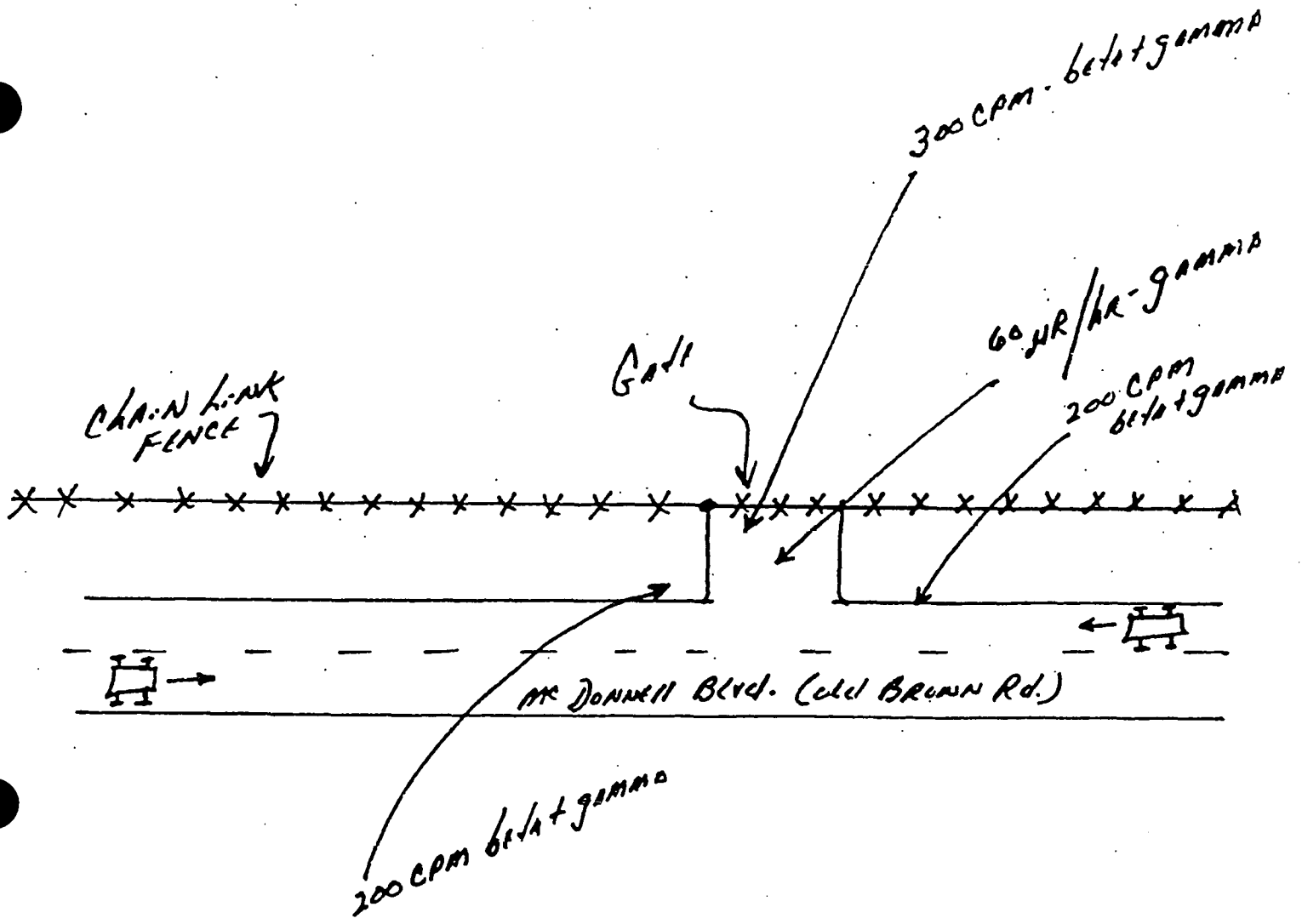

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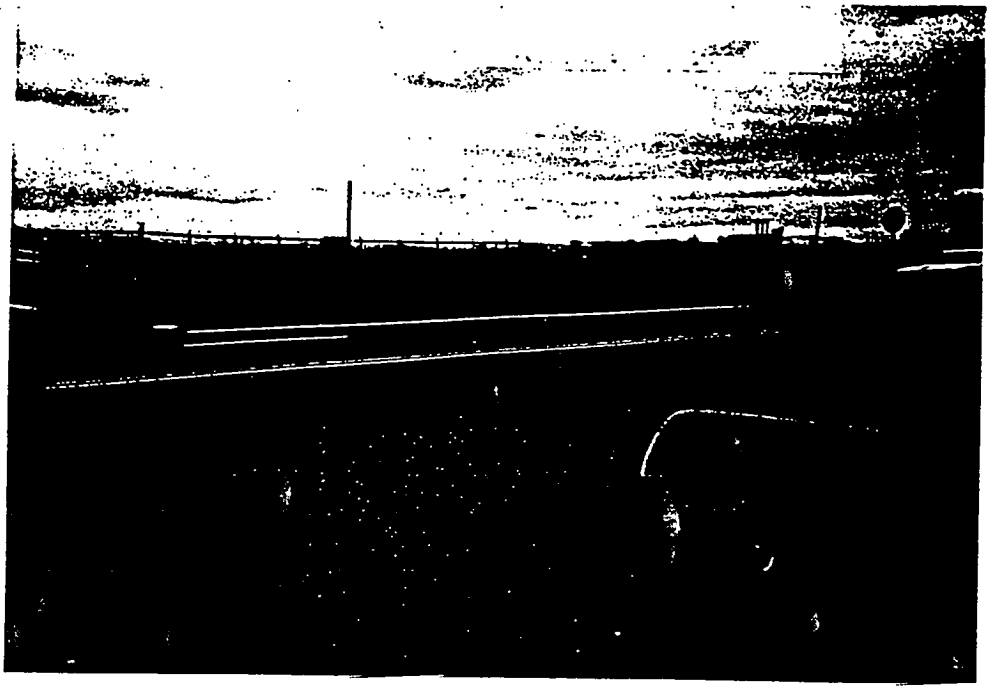
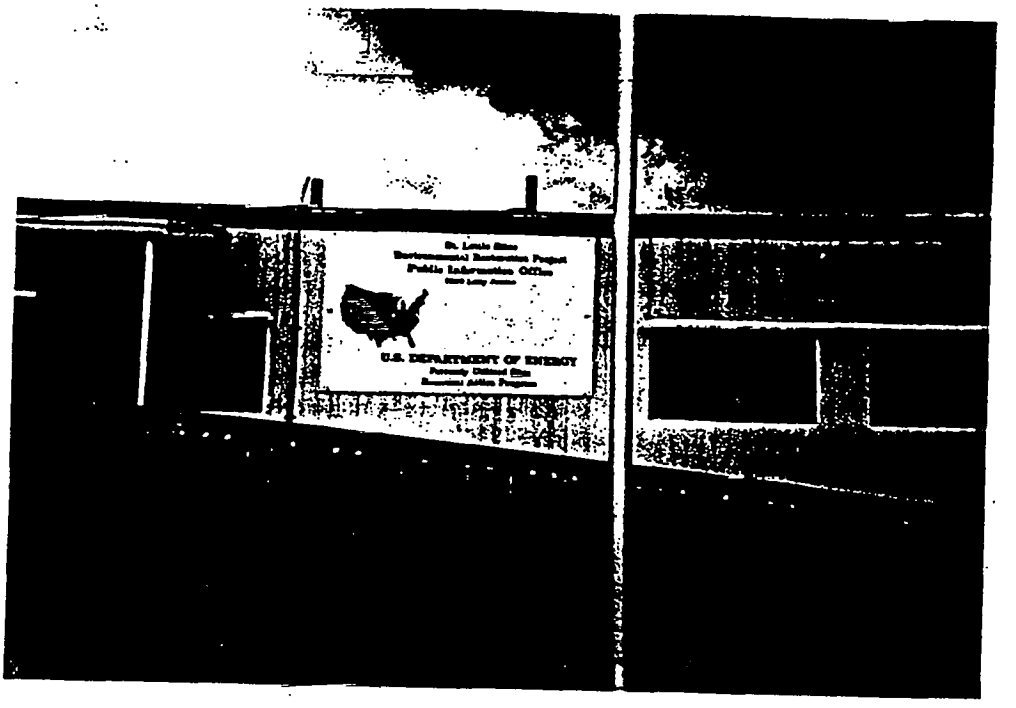
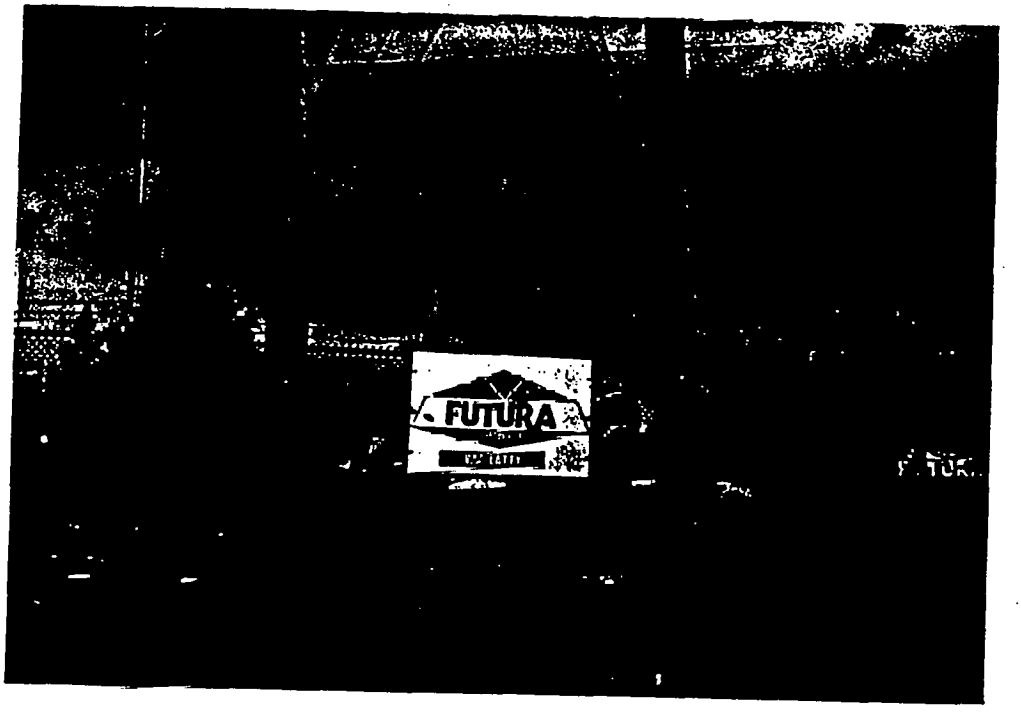


Photograph of front gate along McDonnell Blvd. (old Brown Road), St. Louis

Note- Original photographs are located in NRC Region III files
Report No. 99990003/93030(DRSS)

Attachment H





Photograph of entrance to Latty Avenue sites, Hazelwood, MO.

Note- Original photographs are located in NRC Region III files
Report No. 99990003/93030(DRSS)

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for the St. Louis Site, Missouri

U.S. Department of Energy