

DL-042398-06



April 23, 1998

United States Nuclear Regulatory Commission
Materials Licensing Section
Attn: Gidget Watson
Region III
801 Warrenville Road
Lisle, IL 60532-4351

Subject: Amendment to License 22-01376-04
Additional Information

In accordance with your request, I am furnishing the following additional information to our amendment request dated January 22, 1998.

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. Cesium-137	A. Sealed source (Troxler Dwg. No. A-102112)	A. No single source to exceed 9 millicuries
B. Americium-241	B. Sealed source (Troxler Dwg. No. A-102451)	B. No single source to exceed 50 millicuries
C. Cesium-137/ Americium-241	C. Sealed source (Troxler Dwg. No. A-100281)	C. No single source to exceed 10 millicuries of Cesium-137 and 50 millicuries of Americium-241
D. Americium-241	D. Sealed source (Troxler Dwg. No. A-102451)	D. No single source to exceed 40 millicuries
E. Cesium-137	E. Sealed source (Troxler Dwg. No. A-102112)	E. No single source to exceed 10 millicuries

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APR 24 1998

Austin Research Engineers • Chen-Northern • Empire Soils Investigations
Kansas City Testing • Southwestern Laboratories • Twin City Testing

REGION III

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F. Americium-241	F. Sealed source (Troxler Dwg. No. A-100608)	F. No single source to exceed 100 millicuries
G. Americium-241/ Beryllium	G. Sealed source (Troxler Dwg. No. 100337, 100608)	G. No single source to exceed 330 millicuries
H. Cesium-137	H. Sealed source (Troxler Dwg. No. A-102112)	H. No single source to exceed 10 millicuries
I. Cesium-137	I. Sealed source (HSI Dwg. 2200064)	I. No single source to exceed 11 millicuries
J. Americium-241	J. Sealed source (HSI Dwg. 2200067)	J. No single source to exceed 44 millicuries
K. Cobalt-57	K. Sealed source (A/S Model CTC.D2 or NEN Model NER-472)	K. No single source to exceed 40 millicuries
L. Cobalt-57	L. Sealed sources (IP Model CUSC057-012M3814N; NAS Model CUS0000-C0057-0150MN; A/S Model CTC.P1, X101/2, C64444; EID Model NER472, Le316, C43333) CTC.P1, X101/2	L. No single source to exceed 15 millicuries
M. Cadmium-109	M. Sealed sources (A/S Model CUC.D1, IPL XBF Series Capsule 3205, NEN Models NER-467 Capsule LE66 or NER-465, or NAS Model IND 1602)	M. No single source to exceed 50 millicuries

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N. Cobalt-57	N. Sealed source (Amersham Model CTC.P1, DuPont Model NER-472 or equivalent)	N. No single source to exceed 15 millicuries
O. Cesium-137	O. Sealed source (CPN Model 131)	O. No single source to exceed 10 millicuries
P. Americium-241/ Beryllium	P. Sealed source (CPN Model 131)	P. No single source to exceed 50 millicuries
Q. Cadmium-109	Q. Sealed sources (Amersham Model CUC.D1 or Isotope Products (IP) Model XFB Series)	Q. No single source to exceed 20 millicuries
R. Iron-55	R. Sealed sources (Amersham Model IEC.A1 or IP Model XFB Series)	R. No single source to exceed 80 millicuries
S. Nickel-63	S. Plated source (Valco Instruments Company Detector Cell Model Number 140BN)	S. No single source to exceed 10 millicuries
T. Nickel-63	T. Foil source (Tremetrics Inc/Tracor Detector Cell Model Number 115500)	T. No single source to exceed 20 millicuries
U. Nickel-63	U. Foil source (Varian Instrument Company Detector Cell Model Number 02-001972-00)	U. No single source to exceed 10 millicuries

9. Authorized Use:

- A. and B. To be used in Troxler Electronic Laboratories, Inc. Model 3400 series gauges to measure moisture/density of construction materials.
- C. To be used in Troxler Electronic Laboratories, Inc. Model No. 2401 gauge to measure moisture/density of construction materials.
- D. To be used in Troxler Electronic Laboratories, Inc. Model 3215, 3216 and 3218 gauge to measure moisture content of construction materials.
- E. To be used in Troxler Electronics Laboratories, Inc. Model 1351 depth density gauge.
- F. and G. To be used in Troxler Electronics Laboratories, Inc. Model 3241 Series gauge for asphalt content measurements.
- H. To be used in Troxler Electronic Laboratories, Inc. Model 4640 Series Thin Layer Density Gauge for measurement of density of asphalt overlays.
- I. To be used in Humboldt Scientific Inc. Model 5001 moisture/density gauge for soil testing.
- J. To be used in Humboldt Scientific Inc. Model 5001 moisture/density gauge for soil testing.
- K. To be used in SCITEC Corporation Model FA1C or FA1C-PS x-ray fluorescence analyzers to check lead in paint or soil analysis.
- L. To be used in Radiation Monitoring Device, Inc. Model LPA-1 source holder for x-ray fluorescence analysis.
- M. To be used in NITON XL Model 309 x-ray fluorescence analyzers to check lead in paint or soil analysis.
- N. To be used in Radiation Monitoring Devices Model LPA-1 portable x-ray fluorescence device.
- O. and P. To be used in Campbell Pacific Nuclear Corporation Model MC series or 500 series gauges for moisture density determinations.

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- Q. and R. To be used in Columbia Scientific Industries Corporation (CSIC) Models HEPS, LEPS, DOPS, SAPS, SSPS and SLPS Probes (formerly 820, 840, 880) for x-ray fluorescence.
- S. thru U. To be used in gas chromatographs for sample analysis.
10. 303 Irene Street
Helena, Montana

Since our original amendment request, our Helena Montane office has moved. The new address is 303 Irene Street, Helena, Montana.

The attached drawing shows the radioactive materials storage location on the east end of the building.

The storage cabinet is a wooded enclosure which is secured with a hasp and a padlock. The cabinet is posted with a "CAUTION RADIOACTIVE MATERIALS" in magenta sign having a yellow background and bearing the radiation symbol.

If you have any questions or desire additional information to process this amendment, please contact me at (612) 659-7440.

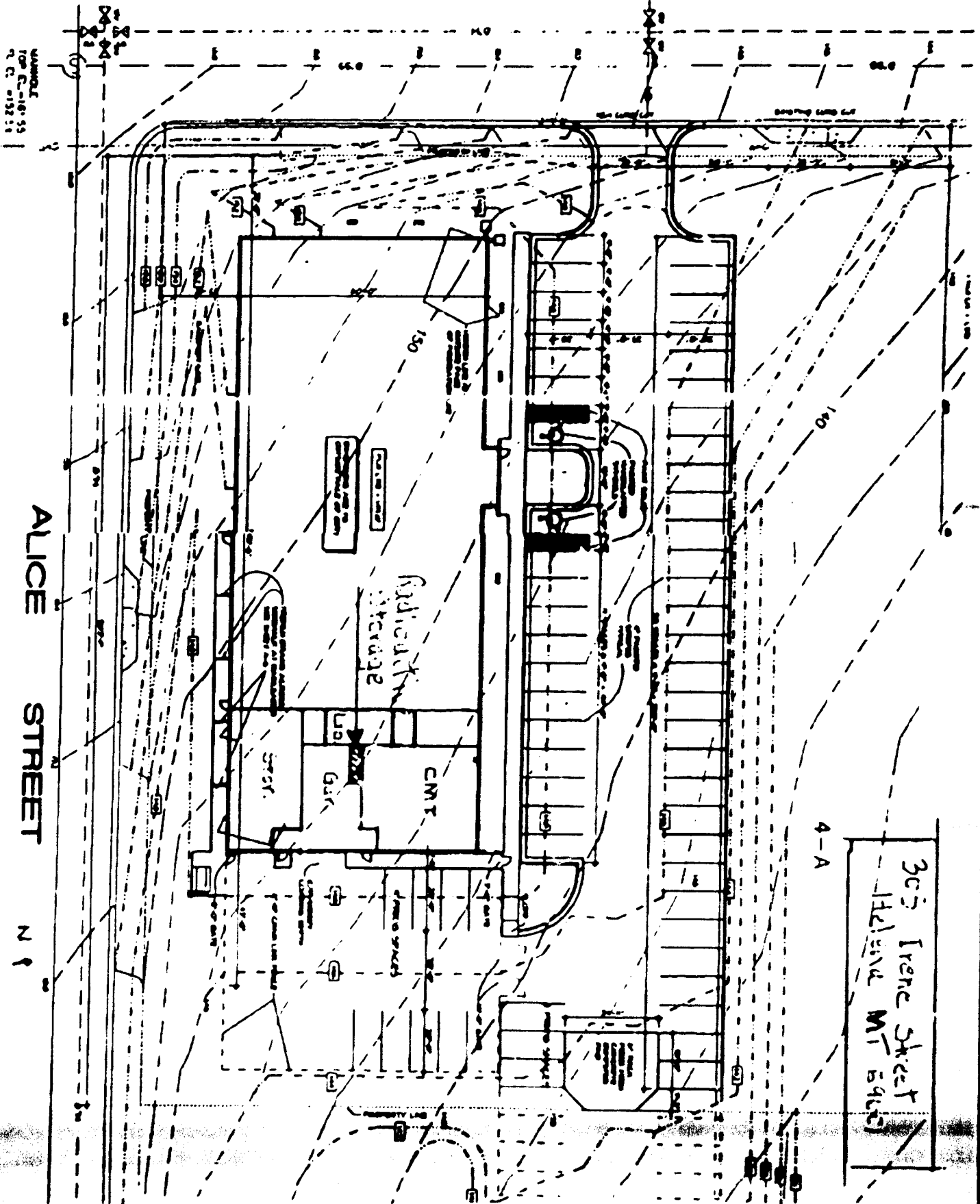
Sincerely,



David C. Fitterer
Radiation Safety Officer

DCF/jkm/nrc.14

IRENE STREET



303 Irene Street
Helena MT 59601

SITE PLAN

PARKING LOT