

STUSSER ELECTRIC
411 EAST 54TH ST.
ANCHORAGE, AK. 99518

DEC. 31 1992

U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON D.C. 20555

RE: REPORT JUNE 16, 1992 TO DEC. 30, 1992

THE FOLLOWING IS A LIST OF SERIAL NUMBERS AND INSTALLATION
ADDRESSES FOR UNITS SOLD DURING THE ABOVE REFERENCED TIMES.

OUR LICENSE NUMBER IS 50-23255-02.
ALL UNITS HAVE 25 CURIES EACH.

7 UNITS - SERIAL # 84183-84189
PERMEX P160R-12YR
FINAL INSTALLATION: NENANA SENIOR HOUSING
8TH AND C ST.
NENANA, AK. 99760
(907) 452-1375

2 UNITS - SERIAL # 81214, 81213
PERMEX P160G-10YR
FINAL INSTALLATION: ALASKA FIRE EXT.
2650 E. NORTHERN LIGHTS
ANCHORAGE, AK. 99502
(907) 348-5174 CHRIS KENNEDY

10 UNITS - SERIAL # 83822-83831
PERMEX P160 10B
FINAL INSTALLATION: QTY 5 AT NAVAL AIR STATION
NEW COMMAND CTR. # 42076
ADAK, AK.
QTY 5 AT NAVAL AIR STATION
ANEX LAUNDRY # 10203
ADAK, AK.
ENGINEER DIR. AT PUBLIC WORKS BLDG.

1 UNIT - SERIAL # 83832
PERMEX P160-10B
FINAL INSTALLATION: NAVAL AIR STATION
KULUK BLDG. # 30022
ADAK, AK.
ENGINEER DIR. AT PUBLIC WORKS BLDG.

6 UNITS - SERIAL # 84127-84131, 83571
PERMEX P160G20YR
FINAL INSTALLATION: LAGUE APTS.
826 K ST.
ANCHORAGE, AK. 99502

1 UNIT - SERIAL # 84190, 84191
PERMEX P160R12 DOUBLE FACE

9902120071 930208
PDR RC *
SSD PDR

logged

*MISS-8
Saw and back*

FINAL INSTALLATION:NENANA SENIOR HOUSING
6TH AND C ST.
NENANA,AK.99760
(907)452-1375

13 UNITS - SERIAL # 812215-812227
PERMEX P160G10YR
FINAL INSTALLATION:F.S.I.BENSEN CTR.
500 EAST BENSEN
ANCHORAGE,AK.99502

2 UNITS - SERIAL # 82153,82151
PERMEX P160R10YR
FINAL INSTALLATION: U.S.A.F.
BLDG.21-883
ELMENDORF A.F.B. AK.99506

24 UNITS - SERIAL # 84542-84565
PERMEX P160G12YR
FINAL INSTALLATION:ALYESKA PIPELINE SERVICE CO.
VALDEZ MARINE TERMINAL
INSTRUMENTATION / ELECTRONICS
VALDEZ WAREHOUSE
VALDEZ,AK.99686

3 UNITS - SERIAL # 81168-81170
PERMEX P160G10YR
FINAL INSTALLATION:KULIS AIR NATIONAL GUARD
FIRE STATION BLDG.9
ANCHORAGE,AK.99502

1 UNIT - SERIAL # 81258
PERMEX P160G20YR
FINAL INSTALLATION:PENNY SAVER
200 W.POTTER DR.
ANCHORAGE,AK.99502
(907)563-2800 JIM CHESTHI

2 UNITS - SERIAL # 82154,822152
PERMEX P160R10YR
FINAL INSTALLATION:U.S.A.F.
3 CE SQUADRON BLDG.21-883
ELMENDORF A.F.B. AK.99506

1 UNIT - SERIAL # 82155
PERMEX P160R
FINAL INSTALLATION:NORTHERN LIGHTS ELEMENTERY SCHOOL
1705 WEST 32ND.
ANCHORAGE,AK.99502

15 UNITS - SERIAL # 74942-74951,81209-81212,81162
PERMEX P160G10YR
FINAL INSTALLATION:PRUDHOE BAY ENVIRONMENTAL DEPT.
PRB 29
PRUDHOE BAY,AK.99510
(907)659-5609

2 UNITS - SERIAL # 81208,81207
PERMEX P160G10YR
FINAL INSTALLATION:CAFE DELMUNDO
360 K ST.
ANCHORAGE,AK.99502

2 UNITS - SERIAL # 81165,81167
PERMEX P160G10YR
FINAL INSTALLATION:H&R MANAGEMENT CO.
701 TUDOR RD.
ANCHORAGE,AK.99502
(907)561-4010 HUGAN

2 UNITS - SERIAL # 81158-81161,81163-81165
PERMEX P160G10YR
FINAL INSTALLATION:U.S.ARMY
BLDG.700
FORT RICHARDSON,AK.99505-5500

20 UNITS - SERIAL # 81178-81197
PERMEX P160G10YR
FINAL INSTALLATION:ANCHORAGE SCHOOL DISTRICT
FACILITIES MAINT.
1301 LABAR ST.
ANCHORAGE,AK.99515-3517
(907)333-9561

6 UNITS - SERIAL # 85874-85879
PERMEX P160G20YR
FINAL INSTALLATION:CRISIS CENTER
2900 B.PROVIDENCE DR.
ANCHORAGE,AK.99502
(907)696-0555

5 UNITS - SERIAL # 81173-81176,81171
PERMEX P160G10YR
FINAL INSTALLATION:MARTECH USA
300 EAST 54TH AVE.
ANCHORAGE,AK.99502
(907)561-1970

11 UNITS - SERIAL # 81248-81257,81177
PERMEX P160G10YR
FINAL INSTALLATION:PRUDHOE BAY ENVIRONMENTAL DEPT.
PRB 29
PRUDHOE BAY,AK.99734
(907)659-5609

2 UNITS - SERIAL # 82156,82157
PERMEX P160R10YR
FINAL INSTALLATION:BETHEL CRASH FIRE RESCUE BLDG.
BETHEL AIRPORT
POB 505
BETHEL,AK.99559

15 UNITS - SERIAL # 86711-86725
PERMEX P160G10YR
FINAL INSTALLATION:PRUDHOE BAY ENVIRONMENTAL DEPT.
PRB 29
PRUDHOE BAY,AK.99734
(907)659-5609

1 UNIT - SERIAL # 86706
PERMEX P160G10YR
FINAL INSTALLATION:MARTECH USA INC.
300 EAST 54TH AVE.
ANCHORAGE,AK.99518-1230
(907)561-1970

1 UNIT - SERIAL: # 86765
PERMEX P160R10YR
FINAL INSTALLATION:PRUDHOE BAY ENVIRONMENTAL DEPT.
PRB 29
PRUDHOE BAY,AK.99734
(907)659-5609

2 UNITS - SERIAL # 86705,81172
PERMEX P160G10YR
FINAL INSTALLATION:ARCO ALASKA INC.
USA WAREHOUSE
PRUDHOE BAY,AK.99734

6 UNITS - SERIAL # 86756-86761
PERMEX P160G10YR
FINAL INSTALLATION:NORTH SLOPE TELECOM
2020 DOWLING RD.
ANCHORAGE,AK.99507

5 UNITS - SERIAL # 070018-070022
PERMEX P160G20YR
THESE UNITS WERE RETURNED FOR DISPOSAL TO:
N.R.D.
2937 ALT BLVD.NORTH
GRAND ISLAND,NY.14072

28 UNITS - SERIAL # A281072-A281083,A281048-A281053
A281102-A281105,A281036-A281041
ISOLITE 2040-70-10YR GREEN
FINAL INSTALLATION:ANCHORAGE SCHOOL DIST.
FACILITIES/MAINTENANCE
1301 LABAR ST.
ANCHORAGE,AK.99515-3517
(907)333-9561

4 UNITS - SERIAL # A210444-A210446,A210346
ISOLITE 2040-50--20G 20YR
FINAL INSTALLATION:BARROW REC.CENTER
100 MAIN ST.
BARROW,AK.99723
(907)852-3102

THIS CONCLUDES OUR SALES FOR THE SPECIFIED TIME.
OUR CURRENT STOCK IS AS FOLLOWS.

1 UNITS PERMEX P160G20YR SERIAL # 84566-84568,82343,82344,
86786,86787

2 UNITS PERMEX P160R20YR SERIAL # 82345,82346

3 UNITS PERMEX P160R10YR SERIAL # 86762-86764

10 UNITS PERMEX P160G10YR SERIAL # 86686-86695

10 UNITS PERMEX P160G10YR SERIAL # 86766-86775

10 UNITS PERMEX P160G10YR SERIAL # 86746-86755

10 UNITS PERMEX P160G10YR SERIAL # 86776-86785

10 UNITS PERMEX P160G10YR SERIAL # 86726-86735

10 UNITS PERMEX P160G10YR SERIAL # 86736-86745

4 UNITS PERMEX P160G10YR SERIAL # 86707-86710

9 UNITS PERMEX P160G10YR SERIAL # 86696-86704

ATTACHED YOU WILL FIND A COPY OF OUR MATERIAL
SAFETY DATA SHEET AND YOU WILL ALSO FIND A COPY
OF OUR MATERIALS LICENSE.

THIS CONCLUDES OUR REPORT. DEC.30TH 1992.

THANK YOU

David L Lockwood

DAVID J. LOCKWOOD
OPERATIONS MANAGER
STUSSER ELECTRIC
411 EAST 54TH ST.
ANCHORAGE, AK. 99518
(907) 561-1061

PERMEX
P-160 SERIES

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-11287

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME

NRD, Inc.

EMERGENCY TELEPHONE NO.
(716) 773-7634

ADDRESS (Number, Street, City, State, and ZIP Code)

2937 Alt Blvd. North, Grand Island, NY 14072

CHEMICAL NAME AND SYNONYMS

Tritium Gas

TRADE NAME AND SYNONYMS

Self - Luminous Exit Sign

CHEMICAL FAMILY

Radionuclide

FORMULA

H 3

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unit)	ALLOYS AND METALLIC COATINGS	%	TLV (Unit)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Unit)
Tritium (H3) gas in sealed borosilicate glass tubes, internally coated with an inorganic phosphor, placed behind a diffuser plate, to provide illumination for the device legend - EXIT.					2x10 ⁻⁶ uCi/l

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	Gas
VAPOR PRESSURE (MM Hg.)	Gas	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	Irritation		
APPEARANCE AND ODOR	Colorless Gas at normal temp. & press.; odorless.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	N/A	FLAMMABLE LIMITS	N/A	LC ₅₀	LD ₅₀
EXTINGUISHING MEDIA	N/A				
SPECIAL FIRE FIGHTING PROCEDURES	N/A				
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 500 mrem per IAEA and US NRC. The max dose from this device, under hypothetical conditions, could be less than 0.003 mrem. No detectable clinical effects, from this dose

EMERGENCY AND FIRST AID PROCEDURES N/A

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID Abuses and physical destruction
	STABLE		

INCOMPATIBILITY (Materials to avoid) N/A

HAZARDOUS DECOMPOSITION PRODUCTS HTO (Tritiated water)

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Ventilate the area first. If applicable, collect damaged components (using vinyl gloves), into plastic bag, seal and return to manufacturer. Return cleaning mater (towels, gloves) to MFR.

WASTE DISPOSAL METHOD Package the device per manufacturer's instruction and return to manufacturer or other licensee for disposal. It is prohibited by law to dispose this device at common sites.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		Not required	
VENTILATION	LOCAL EXHAUST	conventional	SPECIAL N/A
	MECHANICAL (General)	N/A	OTHER N/A
PROTECTIVE GLOVES		Not required	EYE PROTECTION Not required
OTHER PROTECTIVE EQUIPMENT		None	

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Follow the requirements outlined in "Instruction Manual for NRD model T-4001 self-luminous EXIT Sign".

OTHER PRECAUTIONS

MATERIALS LICENSE

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, 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.

Licensee

1. Stusser Electric Company

3. License number 50-23255-02

2. 411 East 54th Street
Anchorage, Alaska 99518

4. Expiration date April 30, 1997

5. Docket or
Reference No. 030-327536. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this license

A. Hydrogen 3

A. Sealed sources
(Saunders-Roe
Developments, Inc.)
installed in
Betallux-Etm exit signsA. Not to exceed
25 curies per
device or
5,000 curies
total

or

NRD Division, Mark IV
Industries installed
in Model T-4001 exit
signs

9. Authorized use

A. Pursuant to 10 CFR Section 32.51, the licensee is authorized to receive, store, and redistribute exit signs to general licensees as defined by 10 CFR Section 31.5 or equivalent provisions of an Agreement State.

CONDITIONS

10. Licensed material shall be used only at 411 East 54th Street; Anchorage, Alaska 99518.
11. Licensed material shall be used by, or under the supervision of, David A. Dickason.
12. The licensee shall assure that each device distributed contains instructions and labels as required by 10 CFR Sections 32.51 and 32.51a. Labels and instructions provided by the manufacturers with sealed sources and devices shall not be removed or altered by the licensee.
13. The licensee shall maintain transfer records and submit quarterly transfer reports to NRC and Agreement States in accordance with 10 CFR Section 32.52.

9812280023 2PP

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
50-23255-01

Docket or Reference number
030-32753

CONDITIONS

(continued)

14. The licensee shall conduct a physical inventory every six (6) months to account for all sources and/or devices received and possessed under the license. Records of the inventories shall be maintained for two (2) years from the date of each inventory.
15. 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. Application dated September 5, 1986
 - B. Letter dated April 14, 1987
 - C. Application dated March 23, 1992

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 29 1992

By Beth A. Prange
Beth A. Prange
Sr. Health Physicist (Licensing)
Nuclear Materials and
Fuel Fabrication Branch
Region V