

APPROVED BY OMB: NO. 3150-0013 EXPIRES: 07/31/2002  
Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bis1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0013), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

# REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS

(Please read the instructions before completing this form)

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) <b>C &amp; J's NDT, Inc.</b>	2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION
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3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) <b>6605 SONORA WAY Bismarck, ND 58501</b>	4. LICENSEE CONTACT AND TITLE <b>Chuck Schaan - RSO</b>
5. TELEPHONE NUMBER (Include Area Code) <b>701-258-3881</b>	6. FACSIMILE NUMBER (Include Area Code) <b>701-258-5411</b>

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

WELL LOGGING  LEAK TESTING AND/OR CALIBRATIONS  TELETHERAPY/IRRADIATOR SERVICE

PORTABLE GAUGES  OTHER (Specify) ⇒ \_\_\_\_\_

RADIOGRAPHY ⇒ REGISTERED USER OF PACKAGING (CERTIFICATE OF COMPLIANCE NUMBERS)  
**USA-9263/B(U)-85, USA-9033/B(U), USA-9035/B(U)**

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE <b>see attachment</b>	9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) <b>Amer sham 660B</b>
10. CLIENT TELEPHONE NUMBER (Include Area Code)	11. WORK LOCATION TELEPHONE NUMBER (Include Area Code)

12. DATES SCHEDULED	13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM <b>TBD</b> TO				NUMBER TO BE ASSIGNED BY NRC

LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)

**Spec 150 Amer sham 660B Amer sham 680B**  
**Ir192 150curies (max) Ir192 140curies (max) Co60 110curies (max)**

18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9. ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)	LICENSE NUMBER <b>33-35523-01</b>	STATE <b>ND</b>	EXPIRATION DATE <b>July 30, 2004</b>
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### 19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.
- I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.
- I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters.
- I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER - RSO or Management Representative (Name and Title) <b>Chuck Schaan - RSO</b>	SIGNATURE <i>Chuck Schaan</i>	DATE <b>1-01-2000</b>
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WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submissions to the NRC be complete and accurate in all material respects. 18 U.S.C. Section 1001 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.

FOR NRC USE ONLY	REVIEWING OFFICIAL (Typed/Printed Name and Title) <b>M. C. Hernandez</b>	SIGNATURE <i>M. C. Hernandez</i>	DATE <b>1/7/00</b>	TOTAL USAGE / DAYS TO DATE <b>0</b>
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Names for NRC - 241

Williston Basin Pipeline 000147  
Montana Dakota Utilities  
Process Systems Inc.  
Distribution Construction  
Lakehead Pipeline  
Basin Electric Power Coop.  
Great River Energy  
ABB/CE  
Ottertail Power Coop.  
Northern States Power  
Tech Group  
Knights Welding  
Black Hills Power  
Prairieland Marketing  
Industrial Contractors, Inc.  
Wheeler Tank  
Kleespie Tank  
McQuire Tank  
Enron Coop.  
Amerada Hess Corp  
Minnkota Power Coop.  
Amoco Pipeline  
Alliance Pipeline  
Murphy Brothers  
Northern Horizons 000395  
Minnesota Limited  
Butte Pipeline, Co.  
Shell Oil  
Ceda  
Dome Pipeline  
Williams Pipeline  
Foster Wheeler Zack  
Gulf Interstate  
Hoke Construction  
J. H. Kelly  
Kehoc Pipeline, Co.  
Midwest Testing Co.  
Portal Pipeline Co.  
Power Generation Service  
Grand Forks Air Base  
Minot Air Base  
Steven's Welding  
ANR Pipeline, Co.

Glendive, MT  
Bismarck, ND  
Memphis, TN  
Heron, SD  
Superior, WI  
Bismarck, ND  
Elk River, MN  
White Bear Lake, MN  
Fergus Falls, MN  
Minneapolis, MN  
Red Wing, MN  
Box Elder, SD  
Rapid City, SD  
Bismarck, ND  
Bismarck, ND  
Sioux Falls, SD  
Morris, MN  
Sioux Falls, SD  
Omaha, NE  
Tioga, ND  
Grand Forks, ND  
Minneapolis, MN  
Minneapolis, MN  
Springfield, IL  
Solway, MN  
Elk River, MN  
Baker, MT  
Baker, MT  
Mandan, ND  
Jamestown, ND  
Alexandria, MN  
Canonburg, PA  
Tulsa, OK  
Tuscola, IL  
Bismarck, ND  
Watford City, ND  
Bismarck, ND  
Minot, ND  
Mandan, ND  
Grand Forks, ND  
Minot, ND  
Glenburn, ND  
Dearborn, MI

JAN 8 2000

Amoco Oil Co.  
CBI Services  
Brown Minneapolis Tank  
Viking Gas  
Vigen Construction  
Texaco Pipeline, Inc.  
Phillips Oil Co.  
Ray's Boiler Repair  
Ranger Plant Construction  
Solar Gas, Inc.  
SD Intrastate Pipeline  
Watertown Utilities  
Wrigley Mechanical  
White Oak Metals  
Brownlee & Hayes  
Wanzek Construction  
Industrial Builders  
American Crystal Sugar Co.  
Egger Steel  
Great Lakes Gas Transmission  
Jomax Construction  
Koch Pipeline  
Matrix Services, Inc.  
Mueller Pipeline  
Cenex Pipeline  
Bluewater Construction, Inc.  
ISG Resources, Inc.  
Continental Resources  
Mountain West Fabrication  
Jones - Blythe  
MidAmerica Pipeline  
Sovde Enterprises

Brooklyn Park, MN  
Bourbonnais, IL  
International Falls, MN  
Hallock, MN  
E. Grand Forks, ND  
Glendive, MT  
Williston, ND  
Minot, ND  
Abilene, TX  
Mentor, MN  
Pierre, SD  
Watertown, SD  
Fargo, ND  
Dalton, MN  
Marshall, MN  
Fargo, ND  
Fargo, ND  
Moorhead, MN  
Sioux Falls, SD  
Bemiji, MN  
Great Bend, KS  
Cottage Grove, MN  
Tulsa, OK  
Milwaukee, WI  
Laurel, MT  
Houston, TX  
Kennesaw, GA  
Baker, MT  
Fruita, CO  
Springfield, IL  
Sanborn, IA  
Bemidji, MN



**NORTH DAKOTA DEPARTMENT OF HEALTH  
Environmental Health Section**

**Location:**  
1200 Missouri Avenue  
Bismarck, ND 58504-5264

**Fax #:**  
701-328-5200

**Mailing Address:**  
P.O. Box 5520  
Bismarck, ND 58506-5520

NORTH DAKOTA DEPARTMENT OF HEALTH  
RADIOACTIVE MATERIAL LICENSE

Pursuant to Section 23-20.1-01 through Section 23-20.1-11 of Chapter 23-20.1 of the North Dakota Century Code, and Article 33-10 of the North Dakota Administrative Code, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders now or hereafter in effect of the North Dakota Department of Health and to any conditions specified below:

<p align="center">Licensee</p> <p>1. Name C &amp; J's Nondestructive Testing, Inc.</p> <p>2. Address P.O. Box 7025 Bismarck, ND 58507-7025</p>	<p>3. License Number 33-35523-01</p> <p>4. Expiration Date July 30, 2004</p> <p>5. Reference Number 278</p>
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6. Radioactive Materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity which licensee may possess at any one time
A. Iridium 192	A. Sealed Source (Amersham Model A424-9)	A. No single source to exceed 5.18 terabecquerels (140 curies)
B. Iridium 192	B. Sealed Source (Source Production and Equipment Model G-60)	B. No single source to exceed 5.55 terabecquerels (150 curies)
C. Cobalt 60	C. Sealed Source (Amersham Model	C. No single source to exceed 4.07

Environmental Health  
Section Chief's Office  
701-328-5150

Environmental  
Engineering  
701-328-5188

Municipal  
Facilities  
701-328-5211

Waste  
Management  
701-328-5166

Water  
Quality  
701-328-5210

A424-14 or  
Model 943)

terabecquerels  
(110 curies)

D. Cobalt 60

D. Sealed Source  
(Amersham Model  
A424-18)

D. No single source to  
exceed 1.221 tera-  
becquerels (33  
curies)

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9. Authorized Use:

- A. For use in Amersham Model 660B exposure device for industrial radiography or Amersham source changer Model 650L.
- B. For use in Source Production and Equipment Company, Inc., Model SPEC-150 exposure device for industrial radiography or SPEC Model C-1 source exchanger.
- C. For use in Amersham Model 680B exposure device for industrial radiography or Amersham source changer Model 770 or 771.
- D. For use in Amersham Model 741A or 741B exposure devices for industrial radiography or Amersham source changer Model 770 or 771.

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CONDITIONS

- 10. A. Radioactive material shall be stored at the C & J's Nondestructive Testing, Inc. facilities at 403 South 22<sup>nd</sup> Street, #3, Bismarck, North Dakota.
- B. Radioactive material shall be used only at temporary job sites of the licensee anywhere in the State of North Dakota except in areas of exclusive federal jurisdiction. You must obtain reciprocity to work in areas of exclusive federal jurisdiction or outside North Dakota.
- 11. A. The licensee shall comply with the provisions of Chapter 33-10-04.1, "STANDARDS FOR PROTECTION AGAINST RADIATION," Chapter 33-10-05, "RADIATION SAFETY REQUIREMENTS FOR INDUSTRIAL RADIOGRAPHIC OPERATIONS," and Chapter 33-10-10, "NOTICES, INSTRUCTIONS AND REPORTS TO WORKERS-INSPECTIONS."
- B. An annual fee as prescribed in Chapter 33-10-11 "Fees for Issuance of License and Registration Certificates and Inspections" shall be paid by January 1 of each year the license is active.
- C. The licensee shall comply with all State and Federal environmental regulations. Issuance of this license does not supersede, replace or negate any local ordinances, codes, rules, or regulations. In addition, the licensee shall comply with all local fire, zoning and other

applicable ordinances, codes, rules, and regulations as they affect the safe use and storage of radioactive material.

12. A. Radioactive material shall be used by individuals who meet all of the following requirements:
1. Have been trained as specified in application dated July 1, 1999, as amended by faxes dated July 29, 1999, and
  2. Have been trained as required by North Dakota Radiological Health Rules chapters 33-10-05 and 33-10-10, and
  3. Have been designated by Chuck Schaan, Radiation Safety Officer.

The licensee shall maintain records of individuals trained and designated as users.

- B. Individuals designated as radiographer trainees may use radioactive material only under the personal supervision and in the physical presence of one of the following radiographer instructors: Chuck Schaan.
13. A. Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor, indicating that a test has been taken within six months prior to the transfer, the sealed source shall not be put into use until tested.
- B. The six-month periodic test required by this condition does not apply to sealed sources that are stored and not being used except that no sealed source shall be stored for a period of more than three years without being tested for leakage and/or contamination. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- C. The test shall be capable of detecting the presence of 185 becquerels (0.005 microcurie) of radioactive material on the test sample. The test sample shall be taken from the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of becquerels or microcuries and maintained for inspection by the Department.
- D. If the test reveals the presence of 185 becquerels (0.005 microcurie) or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated, repaired, and retested or to be disposed of in accordance with Department rules. A report shall be filed within five (5) days of the test with the Director, Division of Environmental Engineering, North Dakota Department of Health, Missouri Office Building, 1200 Missouri Avenue, Room 304, P.O.

Box 5520, Bismarck, North Dakota, 58506-5520, describing the equipment involved, the test results, and the corrective action taken.

- E. The licensee is authorized to collect leak samples in accordance with the procedure described in the licensee's application dated July 1, 1999, for analysis by Source Production and Equipment Company.
14. Quarterly inventory. Each licensee shall conduct a quarterly physical inventory to account for all sealed sources and radiography exposure devices received or possessed by the licensee. The records of the inventories shall be maintained for two years from the date of the inventory for inspection by the Department and shall include the quantities and kinds of radioactive material, the location of sealed sources, the date of the inventory, the name of the individual conducting the inventory, the manufacturer, the model number, and the serial number.
15. The licensee is authorized to receive, possess, and use sealed sources of Iridium 192 or Cobalt 60, where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
- A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60.
- B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the licensed material; and
- C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in North Dakota Radiological Health Rules Section 33-10-05-04.
16. Pursuant to Subdivision c of Subsection 1 of Section 33-10-03-02, the licensee is authorized to possess, use, transfer, and import up to 450 kilograms of uranium contained as shielding material in the radiography exposure devices and source changers authorized by this license.
17. The licensee shall restrict the possession of radioactive material to quantities below the minimum limit specified in North Dakota Radiological Health Rules section 33-10-03-05, subsection 14, subdivision d, for establishing financial assurance for decommissioning.
18. The licensee is authorized to transport radioactive material in accordance with the provisions of North Dakota Radiological Health Rules chapter 33-10-13, "Transportation of Radioactive Material."
19. Except as specifically provided otherwise in this license, the licensee shall possess and use radioactive material described in Items 6, 7, and 8 of this license in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The North Dakota Radiological Health Rules shall govern unless the statements, representations, and procedures in the licensee's application and

correspondence or the conditions contained in this license are more restrictive than the North Dakota Radiological Health Rules.

- A. Application dated July 1, 1999, as amended by fax dated July 26, 1999, as amended by faxes dated July 29, 1999.

Date: \_\_\_\_\_

7/30/99

FOR THE NORTH DAKOTA DEPARTMENT OF HEALTH

By: \_\_\_\_\_



Dana K. Mount, P.E., Director  
Div. of Environmental Engineering