

NRC FORM 201  
(5-99)  
10 CFR 150

U. S. NUCLEAR REGULATORY COMMISSION

Estimated burden per response to comply with this mandatory information collection request is 10 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. Forward comments regarding burden estimate to the information and Records Management Branch (7-8 P33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (2150-0013), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

### REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES.

(Please read the instructions on the cover sheet before completing this form.)

|  |  |   |   |
|--|--|---|---|
| 1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) |  | 2. TYPE OF REPORT                                 | 3. CONTROL NUMBER<br>(Leave Blank - Number to be assigned by NRC) |
| TECHNICAL WELDING INSPECTION INC   |  | INITIAL   |   |
| 4. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) |  | REVISION  |   |
| PO Box 1115<br>PADUCAH, KY. 42002  |  | <input checked="" type="checkbox"/> CLARIFICATION |   |
|  |  | 5. LICENSEE CONTACT                               |   |
|  |  | SCOTT - WITH RSO                                  |   |
|  |  | STAN BUSHKILL ARSO                                |   |
|  |  | 6. TELEPHONE NUMBER<br>(Include Area Code)        | 7. FACSIMILE NUMBER<br>(Include Area Code)                        |
|  |  | 270-443-3675                                      | 270-443-8406  |

8. ACTIVITIES TO BE CONDUCTED IN NON-AGREEMENT STATES UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

|  |   |  |
|--|---|--|
| WELL LOGGING                                       | LEAK TESTING AND/OR CALIBRATIONS                  | TELE THERAPY/RADIATOR SERVICE                                      |
| PORTABLE GAUGES                                    | OTHER (Specify)                                   |  |
| <input checked="" type="checkbox"/> RADIOGRAPHY => | TRANSPORTATION QA PROGRAM APPROVAL NO. & REV. NO. | REGISTERED NS USER OF PACKAGING'S CERTIFICATES OF COMPLIANCE NOS.) |
|  | USA/9253/13(W)-85 REVO                            | MODEL OP 660 CERT # 9283   |

|  |   |
|--|---|
| 9. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE  | 10. WORK LOCATION ADDRESS (Street and Number or other location. Give as complete an address or directions as possible.) |
| FUCON CONSTRUCTION CORP.<br>TRAILER CITY LOT #3<br>1414 STATE HWY. 177<br>JACKSON, MO. 63755 | PRODUCED GAMBLE PLANT SITE  |

|  |   |   |
|--|---|---|
| 11. CLIENT TELEPHONE NUMBER<br>(Include Area Code) | 12. WORK LOCATION TECHNICIAN AUTHORIZED TO PERFORM WORK | 13. WORK LOCATION TELEPHONE NUMBER<br>(Include Area Code) |
| 773-335-4753                                       | 573-325-4753 - STEPHEN JONES                            |   |

|                         |                      |                               |
|-------------------------|----------------------|-------------------------------|
| 14. DATES SCHEDULED     | 15. NUMBER WORK DAYS | 16. LOCATION REFERENCE NUMBER |
| FROM 5/23/01 TO 5/23/01 | 1                    | 000 758<br>PREVIOUS # 000 758 |

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

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED IN NON-AGREEMENT STATES.  
(Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)  
600 B CAMERA (AMERSON) LOADED WITH IR-K2 3.89+0.9 (105 CURIES)

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 8 ABOVE. (Four copies of the specific license must accompany the initial NRC Form 201.)

|                |       |                 |                          |
|----------------|-------|-----------------|--------------------------|
| LICENSE NUMBER | STATE | EXPIRATION DATE | TOTAL USAGE DAYS TO DATE |
| KY 201-324-05  | KY.   | 11/30/2001      | 2                        |

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 cover sheet 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.
- 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 am also aware that I will be responsible for any fees associated with such inspections.
- 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 (Typed/Printed Name and Title) | SIGNATURE   | DATE    |
| STANLEY BUSHKILL ARSO CSE  | [Signature] | 5/21/01 |

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 | AUT | Janice H. Kirby<br>Licensing Assistant | 201 | SIGNATURE   | DATE    |
|                  |     |  |     | [Signature] | 5/22/01 |

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

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## 1. LICENSEE AND 2. ADDRESS

TECHNICAL WELDING INSP. INC.  
1231 S 3RD ST  
P O BOX 1115  
PADUCAH, KY 42002-1115

ATTENTION: STANLEY BUSHKILL, RSO  
TELEPHONE: 270-443-3675

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PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS OF THE CABINET FOR HEALTH SERVICES, NOW OR HEREINAFTER IN EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.  
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3. LICENSE NUMBER: 201-324-05  
AMENDMENT NO. 50  
4. EXPIRATION DATE: NOVEMBER 30, 2001  
5. REVIEWER: 44  
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| 6. LICENSED MATERIAL | 7. FORM   | 8. POSSESSION LIMIT                         |
|----------------------|---|---|
| A. IRIIDIUM 192      | A. SEALED SOURCE<br>(AMERSHAM A-424-9,<br>SPEC MODEL T-5,<br>CIS-US, INC.<br>MODEL 702) | A. NO SINGLE SOURCE TO<br>EXCEED 100 CURIES |
| B. IRIIDIUM 192      | B. SEALED SOURCE<br>(INDUSTRIAL<br>NUCLEAR MODEL 32,<br>SPEC MODELS G40<br>AND G40-T)   | B. NO SINGLE SOURCE TO<br>EXCEED 100 CURIES |

COPY

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C. COBALT 60

C. SEALED SOURCE  
(AMERSHAM MODEL  
A-424-14)C. NO SINGLE SOURCE TO  
EXCEED 100 CURIES

## 9. AUTHORIZED USE

- A. FOR USE IN AMERSHAM MODEL 660B EXPOSURE DEVICE FOR INDUSTRIAL RADIOGRAPHY. AMERSHAM MODEL A-424-9 FOR SOURCE STORAGE AND EXCHANGE IN AMERSHAM 650L SOURCE CHANGER. SPEC MODEL T-5 FOR SOURCE STORAGE AND EXCHANGE IN SPEC C-1 SOURCE CHANGER. CIS-US, INC. MODEL 702 FOR SOURCE STORAGE AND EXCHANGE IN INDUSTRIAL NUCLEAR MODEL IR-50 SOURCE CHANGER.
- B. FOR USE IN INDUSTRIAL NUCLEAR MODEL IR-100 EXPOSURE DEVICE FOR INDUSTRIAL RADIOGRAPHY. INDUSTRIAL NUCLEAR MODEL 32 FOR SOURCE STORAGE AND EXCHANGE IN INDUSTRIAL NUCLEAR IR-50 SOURCE CHANGER. SPEC MODELS G40 AND G40-T FOR SOURCE STORAGE AND EXCHANGE IN SPEC C-1 SOURCE CHANGER.
- C. FOR USE IN AMERSHAM MODEL 680 EXPOSURE DEVICE FOR INDUSTRIAL RADIOGRAPHY AND SOURCE STORAGE AND EXCHANGE IN AMERSHAM 771 SOURCE CHANGER.

## CONDITIONS:

10. THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY CABINET FOR HEALTH SERVICES ADMINISTRATIVE RADIATION REGULATIONS, 902 KAR 100.
11. RADIOACTIVE MATERIAL MAY BE STORED AT:  
THE LICENSEE'S FACILITY LOCATED AT THE ADDRESS SPECIFIED IN ITEM 2.

RADIOACTIVE MATERIAL MAY BE USED AT TEMPORARY JOB SITES, IN AREAS NOT UNDER EXCLUSIVE FEDERAL JURISDICTION, ANYWHERE IN THE COMMONWEALTH OF KENTUCKY WHERE THE CABINET MAINTAINS JURISDICTION FOR REGULATING THE USE OF RADIOACTIVE MATERIAL. (THIS CONDITION DOES NOT PROHIBIT USE IN OTHER STATES UNDER RECIPROCITY PRIVILEGES WHICH MAY BE GRANTED BY THE REGULATORY AGENCY HAVING JURISDICTION.)

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12. ONLY THOSE INDIVIDUALS WHO HAVE BEEN TRAINED IN ACCORDANCE WITH THE LICENSEE'S TRAINING PROGRAM AS DESCRIBED IN THE RADIATION SAFETY MANUAL FILED MAY 17, 1996, AND DESIGNATED BY THE RADIATION SAFETY OFFICER SHALL ACT AS RADIOGRAPHERS OR RADIOGRAPHERS' ASSISTANTS.
  13. THE LICENSEE SHALL MAINTAIN RECORDS OF INDIVIDUALS DESIGNATED AS RADIOGRAPHERS OR RADIOGRAPHERS' ASSISTANTS BY THE RADIATION SAFETY OFFICER, AND THEIR TRAINING FOR FIVE (5) YEARS FOLLOWING THE LAST USE OF RADIOACTIVE MATERIAL BY THE INDIVIDUAL. THIS TRAINING PROGRAM IS APPLICABLE ONLY TO INDIVIDUALS WHO SHALL USE LICENSED MATERIAL UNDER THE AUTHORITY OF THIS LICENSE.
  14. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS SCOTT SMITH .
  15. SEALED SOURCES CONTAINING RADIOACTIVE MATERIAL SHALL NOT BE OPENED.
  16. NOTWITHSTANDING THE REQUIREMENTS OF 902 KAR 100:100, SECTION 1 (1), AND PURSUANT TO 902 KAR 100:015, SECTION 7(1), RADIOGRAPHIC EQUIPMENT AUTHORIZED FOR USE IN RADIOGRAPHIC OPERATIONS UNDER THIS LICENSE NEED NOT COMPLY WITH THE TORQUE CRITERIA OF SECTION 6.3.3.1. OF AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) N43.9 - 1991.
  17. THE LICENSEE IS AUTHORIZED TO RECEIVE, POSSESS, AND USE SEALED SOURCES OF IRIIDIUM-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 IRIIDIUM-192 OR 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 RADIOACTIVE MATERIAL; AND
    - C. THE LEVELS OF RADIATION FOR RADIOGRAPHIC EXPOSURE DEVICES AND STORAGE CONTAINERS DO NOT EXCEED THOSE SPECIFIED IN IN 902 KAR 100:100, SECTION 2.

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18. PURSUANT TO 902 KAR 100, THE LICENSEE IS AUTHORIZED TO RECEIVE TITLE TO, POSSESS, USE, AND TRANSFER UP TO 999 KILOGRAMS OF URANIUM CONTAINED AS SHIELDING MATERIAL IN THE RADIOGRAPHY EXPOSURE DEVICES AND SOURCE CHANGERS AUTHORIZED BY THIS LICENSE.
19. THE LICENSEE MAY TRANSPORT RADIOACTIVE MATERIAL, OR DELIVER RADIOACTIVE MATERIAL TO A CARRIER FOR TRANSPORT, IN ACCORDANCE WITH THE PROVISIONS OF 902 KAR 100:070, AND OTHER DEPARTMENTS OF THE COMMONWEALTH OF KENTUCKY HAVING JURISDICTION.
20. 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 CABINET FOR HEALTH SERVICES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.
- A. APPLICATION DATED MAY 17, 1996, SIGNED BY STANLEY BUSHKILL, RSO.
- B. LETTERS DATED:
1. OCTOBER 21, 1996, SIGNED BY STANLEY BUSHKILL, RSO.
  2. JUNE 26, 1997, SIGNED BY STANLEY BUSHKILL, RADIATION SAFETY OFFICER.
  3. DECEMBER 23, 1998, SIGNED BY STANLEY BUSHKILL, RSO.
  4. FEBRUARY 9, 2001, SIGNED BY STANLEY BUSHKILL, RSO.

*John A. Volpe, Ph.D.*

SUPERVISOR  
RADIATION HEALTH & TOXIC  
AGENTS BRANCH

MARCIA MORGAN

SECRETARY  
CABINET FOR HEALTH SERVICES

DATE ISSUED APRIL 16, 2001