NMSS/MSST

PROGRAM CODE DESCRIPTIONS

August 2018

Program Codes Used in Materials and Fuel Licensing and Inspection Programs

A five-digit program code number is assigned by NRC to each license to designate the major activity or principal use authorized in the license. Table 1 contains a listing of the program codes used in this document. The regulations applicable to the various activities and uses of byproduct, source, and special nuclear materials are contained in 10 CFR Parts 30, 40, and 70. A basic understanding of these regulations is a necessary prerequisite to the proper assignment of a program code to a specific activity or use. The NRC uses approximately 200 program codes to classify the thousands of active licenses. (See Table 2 for general information on license numbers.) Some of these program codes used for defining authorized uses narrowly define an activity, such as radiography, while other program codes are more extensive in scope. More than one code may apply to a given license; however, the primary code denotes the licensee's principal use of material or the licensed activity with the highest inspection frequency. One or more secondary codes may be used to indicate other significant uses. The most current program codes are available in the Materials Licensees Toolkits Index, at https://www.nrc.gov/materials/miau/mat-toolkits.html.

BROAD SCOPE licenses are issued to large facilities having a more comprehensive radiological protection program. These licenses authorize possession of a wide variety of radioactive materials without having each radionuclide and authorization listed on the license. There are three types of broad licenses: Type A, Type B, and Type C. It should be noted that broad licensees can be authorized to use up to 100,000 curies in sealed sources for irradiation of materials (see 10 CFR 33.17). Most broad licenses are Type A. (For a clear understanding of these three types, see 10 CFR Part 33.)

Broad-Type A licenses are issued under 10 CFR 33.13 and typically authorize possession of any byproduct material with an atomic number between 1 and 83, in any chemical or physical form. The maximum possession limit is usually specified both for the individual radionuclide and for the total activity of all radionuclides. These licensees must have a Radiological Safety Officer and a committee that acts in the place of NRC to make day-to-day decisions about the program.

Broad-Type B licenses are issued under 10 CFR 33.14 and authorize possession of a variety of radionuclides. The maximum possession limit is specified in 10 CFR 33.100, Schedule A, Column I. Broad-Type B licensees must have a Radiological Safety Officer and adequate administrative controls.

Broad-Type C licenses are issued under 10 CFR 33.15 and authorize possession of a variety of radionuclides. The maximum possession limit is specified in 10 CFR 33.100, Schedule A, Column II. Broad-Type C licensees must have training and experience as specified in the regulations, and the licensee must have adequate administrative controls.

MULTI-SITE license authorizes an organization to use licensed materials for the specific authorized uses in Item 9. At the licensee's locations and/or facilities throughout NRC's jurisdiction.

OTHER (LIMITED SCOPE) licenses are usually issued to smaller organizations requiring a more restrictive license. These licenses are usually more specific in identifying each radionuclide, the chemical and physical form, and the authorized activities and users.

Materials licensing and inspection fee categories are described in 10 CFR 170 and 171. Multiple fee categories may apply for different activities performed under a single license. The Omnibus Budget Reconciliation Act of 1990, as amended, requires that the NRC recover 100 percent of its budget authority, less appropriations from the Nuclear Waste Fund, by assessing license and annual fees. The fee categories listed in the following pages are a guide to which are most likely to occur for the program code. To determine if a fee exemption may apply, one must refer to 10 CFR 170.11 and 171.11. The Office of the Chief Financial Officer (OCFO) determines fee categories and fee exemption requests on a case-by-case basis, using the licensed material and the authorized use description included in the license. Questions regarding fee issues must be referred to the OCFO.

The fuel cycle facility inspection program is described in NRC Inspection Manual, Chapter 2600 (IMC 2600). The inspection frequency for the various procedures at these facilities is described in Table 1 of IMC 2600.

Inspection frequencies, also known as priorities for materials licenses are described in detail in NRC Inspection Manual Chapter 2800 (IMC 2800) and noted at the end of each program code description on this list.

Inspections are generally conducted as follows:

Initial inspections of all licenses shall be completed within 12 months of issuance of the license, as instructed in IMC 2800, Section 05.03. The instructions address the WBL entries that are necessary to complete this action. New licenses that are exempted from an initial inspection are also addressed.

Routine periodic inspections are normally conducted at intervals in years corresponding to the inspection priority for that category:

Priority 1	yearly,
Priority 2	every 2 years,
Priority 3	every 3 years,
Priority 4	every 4 years,
Priority 5	every 5 years,
Priority 1/0	Multiple inspections are conducted in a year. The inspection frequency for the various procedures at these facilities is described in Table 1 of IMC 2600,
Priority T	telephone contact every 5 years,
Priority D	decommissioning inspection determined under IMC 2602, and,
Priority W	construction inspection for walk-in or pool type irradiators under IMC 2815.

NRC Form 580

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NRC FORM 580
(04-2018)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVAL FOR ADDING, MODIFYING, OR DELETING PROGRAM CODES

1. Action	2. Program Code	3. Fee Category	4. Inspection Priority
Select Action			

5. Program Code Title

6. Description for New Program Code or Modification for Existing One

7. Changes in NUREG-1556, Volume 20?	8. Changes in IMC 2800?	9. Changes in WBL?
☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Special Instructions	Special Instructions	Special Instructions

10. Justification for New Program Code or Modification for Existing One

11. Approvals

Name of Originating Branch	Typed or Printed Branch Chief Name	Initials	Date
NMSS/MSST Materials Safety Licensing Branch	Typed or Printed Branch Chief Name	Initials	Date
OCFO/DCO Accounts Receivable Branch	Typed or Printed Branch Chief Name	Initials	Date

NRC FORM 580 (04-2018)

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INSTRUCTIONS FOR COMPLETING NRC FORM 580, APPROVAL FOR ADDING, MODIFYING, OR DELETING PROGRAM CODES

NRC Form 580 is to be used to add or modify a program code. A five-digit program code number is assigned by NRC to each license to designate the major activity or principal use authorized in the license. NUREG-1556 Volume 20 contains a listing of the program codes. The regulations applicable to the various activities and uses of byproduct, source, and special nuclear materials are contained in 10 CFR Parts 30, 40 and 70. A basic understanding of these regulations is a necessary prerequisite to the proper assignment of a program code to a specific activity or use.

Materials licensing and inspection fee categories are described in 10 CFR Parts 170.31 and 171.16. Inspection priorities for materials licenses are described in detail in NRC Inspection Manual Chapter 2800 (IMC 2800). The assignment of appropriate program code to an license activity affect the fee and inspection priority for that license. Licenses with multiple activities may be assigned multiple program codes.

INSTRUCTIONS

1. Select the correct Action from the drop down list for the first action. (Add a new program code, modify an existing program code, or delete a program code).

2. Fill in the proposed new program code or program code that needs to be modified or deleted.

3. Insert proposed fee category. Work with OCFO on fee category for a new program code.

4. Insert proposed inspection priority. An inspection priority is assigned to each program code. The priority code (i. e., 1, 2, 3, or 5) is the interval between routine inspections, expressed in years. The priority represents the relative risk of radiation hazard. Priority Code 1 represents the greatest risk to the health and safety of workers, members of the public, and the environment, while Priority Code 5 represents the lowest risk.

5. Fill in the complete title of the program code.

6. Insert program code description using NUREG-1556, Volume 20, Program Code Descriptions, as template.

7. 8. and 9. If changes need to be made in NUREG-1556 Volume 20, IMC 2800 or WBL, fill in special instruction if applicable.

10. Specific justification is needed to add a new program code or modify an existing one. For example, a new program code is needed due to rulemaking.

11. After coordination with MSLB, and OCFO on above, submit the complete form for concurrence. After all concurrences are complete, provide form to MSLB to be implemented.

Program Code	Description	Fee Category	Inspection Priority
01100	ACADEMIC TYPE A BROAD	3L	3
01110	ACADEMIC TYPE B BROAD	3L	5
01120	ACADEMIC TYPE C BROAD	3L	5
02110	MEDICAL INSTITUTION BROAD	7B	2
02120	MEDICAL INSTITUTION–LIMITED SCOPE–WRITTEN DIRECTIVE REQUIRED	7C	3
02121	MEDICAL INSTITUTION–LIMITED SCOPE–WRITTEN DIRECTIVE NOT REQUIRED	7C	5
02200	MEDICAL PRIVATE PRACTICE–WRITTEN DIRECTIVE REQUIRED	7C	3
02201	MEDICAL PRIVATE PRACTICE–WRITTEN DIRECTIVE NOT REQUIRED	7C	5
02210	EYE APPLICATORS STRONTIUM-90 (SR-90)	7C	3
02220	MOBILE MEDICAL SERVICE–WRITTEN DIRECTIVE NOT REQUIRED	7C	3
02230	HIGH-DOSE RATE REMOTE AFTERLOADER (HDR)	7C	2
02231	MOBILE MEDICAL SERVICE–WRITTEN DIRECTIVE REQUIRED	7C	2
02240	MEDICAL THERAPY–OTHER EMERGING TECHNOLOGY	7C	2
02300	TELETHERAPY	7A	5
02310	GAMMA STEREOTACTIC RADIOSURGERY	7A	2
02400	VETERINARY	3P	5
02410	IN-VITRO TESTING LABORATORIES	3P	5
02500	NUCLEAR PHARMACIES	3C	2
02511	MEDICAL PRODUCT DISTRIBUTION–32.72 PREPARED RADIOPHARMACEUTICALS	3C	5
02513	MEDICAL PRODUCT DISTRIBUTION–32.74 SOURCES AND DEVICES	3C	5
02600	PRODUCTION OF PET RADIOACTIVE DRUGS–30.32(J)(SECONDARY CODE)	N/A	N/A
02700	RADIUM-226 LUMINOUS PRODUCTS & SOURCES UP TO 10 TIMES 31.12(A)(4)&(5)	3R1	5
02710	RADIUM-226 LUMINOUS PRODUCTS & SOURCES GREATER THAN 10 TIMES 31.12(A)(4)&(5)	3R2	3
03110	WELL LOGGING BYPRODUCT AND/OR SNM TRACER AND SEALED SOURCES	5A	3
03111	WELL LOGGING BYPRODUCT AND/OR SNM SEALED SOURCES ONLY	5A	3
03112	WELL LOGGING BYPRODUCT ONLY–TRACERS ONLY	5A	3
03113	FIELD FLOODING STUDIES	5B	3
03120	MEASURING SYSTEMS FIXED GAUGES	3P	5

Program Code	Description	Fee Category	Inspection Priority
03121	MEASURING SYSTEMS PORTABLE GAUGES	3P	5
03122	MEASURING SYSTEMS ANALYTICAL INSTRUMENTS	3P	T
03123	MEASURING SYSTEMS GAS CHROMATOGRAPHS	3P	T
03124	MEASURING SYSTEMS OTHER	3P	T
03130	INSPECTION SYSTEMS	3P	5
03140	INDUSTRIAL DIAGNOSTIC SYSTEMS	3P	2
03200	BYPRODUCT RADIONUCLIDE PRODUCTION–REACTOR (SECONDARY CODE ONLY)	N/A	N/A
03205	BYPRODUCT RADIONUCLIDE PRODUCTION–10 CFR PRODUCTION FACILITY (SECONDARY CODE ONLY)	N/A	N/A
03210	RADIONUCLIDE PRODUCTION USING AN ACCELERATOR	3S	2
03211	MANUFACTURING AND DISTRIBUTION BROAD–TYPE A	3A	2
03212	MANUFACTURING AND DISTRIBUTION BROAD–TYPE B	3A	5
03213	MANUFACTURING AND DISTRIBUTION BROAD–TYPE C	3A	5
03214	MANUFACTURING AND DISTRIBUTION OTHER	3B	5
03215	MANUFACTURE, ASSEMBLY, DISASSEMBLY, REPAIR OF PRODUCTS CONTAINING RADIUM 226	3B	3
03218	NUCLEAR LAUNDRY	6A	3
03219	DECONTAMINATION SERVICES	3N	3
03220	LEAK TEST SERVICE ONLY	3P	T
03221	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE LESS THAN OR EQUAL TO 100 CURIES	3P	5
03222	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE GREATER THAN 100 CURIES	3P	5
03225	OTHER SERVICES–SOURCE LESS THAN OR EQUAL TO 100 CURIES	3N	5
03226	OTHER SERVICES–SOURCE GREATER THAN 100 CURIES	3N	2
03231	WASTE DISPOSAL (BURIAL)	4A	2
03232	WASTE DISPOSAL SERVICE PREPACKAGED ONLY	4C	3
03233	WASTE DISPOSAL SERVICE INCINERATION	4A	2
03234	WASTE DISPOSAL SERVICE PROCESSING AND/OR REPACKAGING	4B	2
03235	INCINERATION–NONCOMMERCIAL (SECONDARY CODE)	N/A	N/A
03236	WASTE TREATMENT SERVICE (OTHER THAN COMPACTION)	4A	2

Program Code	Description	Fee Category	Inspection Priority
03237	GENERAL LICENSE FOR LONG-TERM CARE OF TITLE I UR MILL TAILINGS DISPOSAL SITES	18B	4
03238	GENERAL LICENSE FOR LONG-TERM CARE OF TITLE II UR MILL TAILINGS DISPOSAL SITES	18B	4
03240	GENERAL LICENSE DISTRIBUTION–32.51	3J	5
03241	GENERAL LICENSE DISTRIBUTION–32.53	3J	5
03242	GENERAL LICENSE DISTRIBUTION–32.57	3K	5
03243	GENERAL LICENSE DISTRIBUTION–32.61	3J	5
03244	GENERAL LICENSE DISTRIBUTION–32.71	3K	5
03250	EXEMPT DISTRIBUTION–32.11: EXEMPT CONCENTRATIONS AND ITEMS	3I	5
03251	EXEMPT DISTRIBUTION–32.14: CERTAIN ITEMS	3I	5
03252	EXEMPT DISTRIBUTION–32.17: RESINS	3I	5
03253	EXEMPT DISTRIBUTION–32.18: SMALL QUANTITIES	3I	5
03254	EXEMPT DISTRIBUTION–32.22: SELF-LUMINOUS PRODUCTS	3H	5
03255	EXEMPT DISTRIBUTION–32.26: SMOKE DETECTORS	3H	5
03256	EXEMPT DISTRIBUTION–32.21: CARBON-14 UREA CAPSULES	3I	5
03257	EXEMPT DISTRIBUTION–32.30: CERTAIN INDUSTRIAL DEVICES	3H	5
03310	INDUSTRIAL RADIOGRAPHY FIXED LOCATION	3O	2
03320	INDUSTRIAL RADIOGRAPHY TEMPORARY JOB SITES	3O	1
03510	IRRADIATORS SELF SHIELDED LESS THAN OR EQUAL TO 10,000 CURIES	3E	5
03511	IRRADIATORS OTHER LESS THAN OR EQUAL TO 10,000 CURIES	3F	5
03520	IRRADIATORS SELF SHIELDED GREATER THAN 10,000 CURIES	3E	5
03521	IRRADIATORS–OTHER GREATER THAN 10,000 CURIES	3G	2
03610	RESEARCH AND DEVELOPMENT BROAD-TYPE A	3L	3
03611	RESEARCH AND DEVELOPMENT BROAD-TYPE B	3L	5
03612	RESEARCH AND DEVELOPMENT BROAD-TYPE C	3L	5
03613	RESEARCH AND DEVELOPMENT BROAD-MULTISITE-MULTIREGIONAL	3L	2
03614	MASTER MATERIALS LICENSE	17	2
03620	RESEARCH AND DEVELOPMENT OTHER	3M	5

Program Code	Description	Fee Category	Inspection Priority
03710	CIVIL DEFENSE	8A	5
03800	BYPRODUCT MATERIAL POSSESSION ONLY–PERMANENT SHUTDOWN	3P	3
03810	BYPRODUCT MATERIAL STANDBY–NO OPERATIONS	3P	3
03900	DECOMMISSIONING OF BYPRODUCT MATERIAL FACILITIES	14A	D
04010	MANUFACTURING AND DISTRIBUTION BROAD–TYPE A - 6-20 LOCATIONS	3A(1)	2
04011	MANUFACTURING AND DISTRIBUTION BROAD–TYPE A - MORE THAN 20 LOCATIONS	3A(2)	2
04012	MANUFACTURING AND DISTRIBUTION BROAD–TYPE B - 6-20 LOCATIONS	3A(1)	5
04013	MANUFACTURING AND DISTRIBUTION BROAD–TYPE B - MORE THAN 20 LOCATIONS	2A(2)	5
04014	MANUFACTURING AND DISTRIBUTION BROAD–TYPE C - 6-20 LOCATIONS	3A(1)	5
04015	MANUFACTURING AND DISTRIBUTION BROAD–TYPE C - MORE THAN 20 LOCATIONS	3A(2)	5
04110	MANUFACTURING AND DISTRIBUTION OTHER - 6-20 LOCATIONS	3B(1)	5
04111	MANUFACTURING AND DISTRIBUTION OTHER - MORE THAN 20 LOCATIONS	3B(2)	5
04112	MANUFACTURE, ASSEMBLY, DISASSEMBLY, REPAIR OF PRODUCTS CONTAINING RADIUM 226 - 6-20 LOCATIONS	3B(1)	3
04113	MANUFACTURE, ASSEMBLY, DISASSEMBLY, REPAIR OF PRODUCTS CONTAINING RADIUM 226 - MORE THAN 20 LOCATIONS	3B(2)	3
04114	POWER SOURCES WITH BYPRODUCT MATERIAL–MANUFACTURING & DISTRIBUTION - 6-20 LOCATIONS	3B(1)	T
04115	POWER SOURCES WITH BYPRODUCT MATERIAL–MANUFACTURING & DISTRIBUTION - MORE THAN 20 LOCATIONS	3B(2)	T
04116	PACEMAKER-BYPRODUCT MATERIAL–MANUFACTURING AND DISTRIBUTION - 6-20 LOCATIONS	3B(1)	2
04117	PACEMAKER-BYPRODUCT MATERIAL–MANUFACTURING AND DISTRIBUTION - MORE THAN 20 LOCATIONS	3B(2)	2
04210	NUCLEAR PHARMACIES - 6-20 LOCATIONS	3C(1)	2
04211	NUCLEAR PHARMACIES - MORE THAN 20 LOCATIONS	3C(2)	2
04212	MEDICAL PRODUCT DISTRIBUTION–32.72 PREPARED RADIOPHARMACEUTICALS - 6-20 LOCATIONS	3C(1)	5

Program Code	Description	Fee Category	Inspection Priority
04213	MEDICAL PRODUCT DISTRIBUTION–32.72 PREPARED RADIOPHARMACEUTICALS - MORE THAN 20 LOCATIONS	3C(2)	5
04214	MEDICAL PRODUCT DISTRIBUTION–32.74 SOURCES AND DEVICES - 6-20 LOCATIONS	3C(1)	5
04215	MEDICAL PRODUCT DISTRIBUTION–32.74 SOURCES AND DEVICES - MORE THAN 20 LOCATIONS	3C(2)	5
04310	INDUSTRIAL RADIOGRAPHY FIXED LOCATION -6-20 LOCATIONS	3O(1)	2
04311	INDUSTRIAL RADIOGRAPHY FIXED LOCATION - MORE THAN 20 LOCATIONS	3O(2)	2
04312	INDUSTRIAL RADIOGRAPHY TEMPORARY JOB SITES - 6-20 LOCATIONS	3O(1)	1
04313	INDUSTRIAL RADIOGRAPHY TEMPORARY JOB SITES - MORE THAN 20 LOCATIONS	3O(2)	1
04410	VETERINARY - 6-20 LOCATIONS	3P(1)	5
04411	VETERINARY - MORE THAN 20 LOCATIONS	3P(2)	5
04412	IN-VITRO TESTING LABORATORIES - 6-20 LOCATIONS	3P(1)	5
04413	IN-VITRO TESTING LABORATORIES - MORE THAN 20 LOCATIONS	3P(2)	5
04414	MEASURING SYSTEMS FIXED GAUGES - 6-20 LOCATIONS	3P(1)	5
04415	MEASURING SYSTEMS FIXED GAUGES - MORE THAN 20 LOCATIONS	3P(2)	5
04416	MEASURING SYSTEMS PORTABLE GAUGES - 6-20 LOCATIONS	3P(1)	5
04417	MEASURING SYSTEMS PORTABLE GAUGES - MORE THAN 20 LOCATIONS	3P(2)	5
04418	MEASURING SYSTEMS ANALYTICAL INSTRUMENTS - 6-20 LOCATIONS	3P(1)	T
04419	MEASURING SYSTEMS ANALYTICAL INSTRUMENTS - MORE THAN 20 LOCATIONS	3P(2)	T
04420	MEASURING SYSTEMS GAS CHROMATOGRAPHS - 6-20 LOCATIONS	3P(1)	T
04421	MEASURING SYSTEMS GAS CHROMATOGRAPHS - MORE THAN 20 LOCATIONS	3P(2)	T
04422	MEASURING SYSTEMS OTHER - 6-20 LOCATIONS	3P(1)	T
04423	MEASURING SYSTEMS OTHER - MORE THAN 20 LOCATIONS	3P(2)	T
04424	LEAK TEST SERVICE ONLY - 6-20 LOCATIONS	3P(1)	T

Program Code	Description	Fee Category	Inspection Priority
04425	LEAK TEST SERVICE ONLY - MORE THAN 20 LOCATIONS	3P(2)	T
04426	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE LESS THAN OR EQUAL TO 100 CURIES - 6-20 LOCATIONS	3P(1)	5
04427	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE LESS THAN OR EQUAL TO 100 CURIES - MORE THAN 20 LOCATIONS	3P(2)	5
04428	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE GREATER THAN 100 CURIES - 6-20 LOCATIONS	3P(1)	5
04429	INSTRUMENT CALIBRATION SERVICES ONLY–SOURCE GREATER THAN 100 CURIES - MORE THAN 20 LOCATIONS	3P(2)	5
04430	BYPRODUCT MATERIAL POSSESSION ONLY–PERMANENT SHUTDOWN - 6-20 LOCATIONS	3P(1)	3
04431	BYPRODUCT MATERIAL POSSESSION ONLY–PERMANENT SHUTDOWN - MORE THAN 20 LOCATIONS	3P(2)	3
04432	BYPRODUCT MATERIAL STANDBY– NO OPERATIONS - 6-20 LOCATIONS	3P(1)	3
04433	BYPRODUCT MATERIAL STANDBY– NO OPERATIONS - MORE THAN 20 LOCATIONS	3P(2)	3
04434	POWER SOURCES WITH BYPRODUCT MATERIAL - 6-20 LOCATIONS	3P(1)	T
04435	POWER SOURCES WITH BYPRODUCT MATERIAL - MORE THAN 20 LOCATIONS	3P(2)	T
04436	INSPECTION SYSTEMS - 6-20 LOCATIONS	3P(1)	5
04437	INSPECTION SYSTEMS - MORE THAN 20 LOCATIONS	3P(2)	5
04438	INDUSTRIAL DIAGNOSTIC SYSTEMS - 6-20 LOCATIONS	3P(1)	2
04439	INDUSTRIAL DIAGNOSTIC SYSTEMS - MORE THAN 20 LOCATIONS	3P(2)	2
04510	TELETHERAPY - 6-20 LOCATIONS	7A(1)	5
04511	TELETHERAPY - MORE THAN 20 LOCATIONS	7A(2)	5
04512	GAMMA STEREOTACTIC RADIOSURGERY - - 6-20 LOCATIONS	7A(1)	2
04513	GAMMA STEREOTACTIC RADIOSURGERY - - 6-20 LOCATIONS	7A(2)	2
04610	RESEARCH AND DEVELOPMENT BROAD-TYPE A–6-20 LOCATIONS	3L(1)	3
04611	RESEARCH AND DEVELOPMENT BROAD-TYPE A–20 OR MORE LOCATIONS	3L(2)	3

Program Code	Description	Fee Category	Inspection Priority
04612	RESEARCH AND DEVELOPMENT BROAD-TYPE B–6-20 LOCATIONS	3L(1)	5
04613	RESEARCH AND DEVELOPMENT BROAD-TYPE B–20 OR MORE LOCATIONS	3L(2)	5
04614	RESEARCH AND DEVELOPMENT BROAD-TYPE C–6-20 LOCATIONS	3L(1)	5
04615	RESEARCH AND DEVELOPMENT BROAD-TYPE C–20 OR MORE LOCATIONS	3L(2)	5
04616	RESEARCH AND DEVELOPMENT BROAD–MULTISITE-MULTIREGIONAL–6-20 LOCATIONS	3L(1)	2
04617	RESEARCH AND DEVELOPMENT BROAD–MULTISITE-MULTIREGIONAL–20 OR MORE LOCATIONS	3L(2)	2
04618	ACADEMIC TYPE A BROAD–MULTISITE-MULTIREGIONAL–6-20 LOCATIONS	3L(1)	3
04619	ACADEMIC TYPE A BROAD–MULTISITE-MULTIREGIONAL–20 OR MORE LOCATIONS	3L(2)	3
04620	ACADEMIC TYPE B BROAD–MULTISITE-MULTIREGIONAL–6-20 LOCATIONS	3L(1)	5
04621	ACADEMIC TYPE B BROAD–MULTISITE-MULTIREGIONAL–20 OR MORE LOCATIONS	3L(2)	5
04622	ACADEMIC TYPE C BROAD–MULTISITE-MULTIREGIONAL–6-20 LOCATIONS	3L(1)	5
04623	ACADEMIC TYPE C BROAD–MULTISITE-MULTIREGIONAL–20 OR MORE LOCATIONS	3L(2)	5
04710	MEDICAL INSTITUTION BROAD - 6-20 LOCATIONS	7B(1)	2
04711	MEDICAL INSTITUTION BROAD - 20 OR MORE LOCATIONS	7B(2)	2
06100	LOW-LEVEL WASTE STORAGE AT REACTOR SITES	4A	1
06101	LOW-LEVEL WASTE STORAGE–OTHER (SECONDARY CODE)	4A	1
11100	CONVENTIONAL MILLS AND (AFTER 2009) HEAP LEACH FACILITIES	2A(2)(a)	1/0
11200	SOURCE MATERIAL OTHER LESS THAN 150 KILOGRAMS	2F	5
11210	SOURCE MATERIAL SHIELDING	2B	T
11220	SOURCE MATERIAL MILITARY MUNITION–INDOOR TESTING	2F	5

Program Code	Description	Fee Category	Inspection Priority
11221	SOURCE MATERIAL MILITARY MUNITION–OUTDOOR TESTING	2F	5
11230	SOURCE MATERIAL GENERAL LICENSE DISTRIBUTION–40.34	2D	5
11231	SOURCE MATERIAL GENERAL LICENSE DISTRIBUTION–40.54	2D	5
11240	EXEMPT DISTRIBUTION - SOURCE MATERIAL DISTRIBUTION–40.52	2C	5
11300	SOURCE MATERIAL OTHER GREATER THAN 150 KILOGRAMS	2F	5
11400	URANIUM HEXAFLUORIDE (UF6) CONVERSION AND DECONVERSION PLANTS	2A(1)	1/0
11500	BASIC IN SITU RECOVERY FACILITIES	2A(2)(b)	1/0
11510	EXPANDED IN SITU RECOVERY PROGRAMS	2A(2)(c)	1/0
11550	IN SITU RECOVERY RESIN FACILITIES	2A(2)(d)	1/0
11555	RESIN TOLL MILLING FACILITIES	2A(2)(e)	1/0
11600	HEAP LEACH (PRE-2009), ORE-BUYING STATIONS AND BYPRODUCT RECOVERY	2A(3)	1/0
11700	RARE EARTH EXTRACTION AND PROCESSING	2A(2)(f)	5
11710	MANUFACTURING AND DISTRIBUTION	2E	3
11800	SOURCE MATERIAL POSSESSION ONLY–PERMANENT SHUTDOWN	2F	2
11810	SOURCE MATERIAL STANDBY–NO OPERATIONS	2F	2
11820	SOURCE MATERIAL–WATER TREATMENT	2A(5)	2
11900	DECOMMISSIONING OF SOURCE MATERIAL FACILITIES	14A	D
12000	AEA 11E.(2) BYPRODUCT MATERIAL DISPOSAL FACILITIES	2A(3)	1/0
12010	FACILITIES FOR AEA 11E.(2) BYPRODUCT MATERIAL DISPOSAL INCIDENT TO OPERATION	2A(4)	1/0
21130	HOT CELL OPERATIONS	1A(2)(c)	1/0
21133	HOT CELL OPERATIONS–OTHER	1A(2)(c)	1
21135	DECOMMISSIONING OF ADVANCED FUEL R&D AND PILOT PLANTS	14A	1/0
21200	URANIUM ENRICHMENT PLANTS	1E	1/0
21205	URANIUM ENRICHMENT–CENTRIFUGE DEMO	1A(2)(b)	1
21210	URANIUM FUEL FABRICATION (LEU)	1A(1)(b)	1
21213	URANIUM FUEL FABRICATION (HEU)	1A(1)(a)	1
21215	DECOMMISSIONING OF URANIUM FUEL FABRICATION PLANTS	14A	1/0
21240	URANIUM FUEL R&D AND PILOT PLANTS	1A(2)(a)	1/0
21310	CRITICAL MASS MATERIAL–UNIVERSITY	1A(2)(a)	5
21320	CRITICAL MASS MATERIAL–OTHER THAN UNIVERSITIES	1A(2)(a)	5

Program Code	Description	Fee Category	Inspection Priority
21325	DECOMMISSIONING OF CRITICAL MASS–OTHER THAN FUEL FABRICATION	14A	D
22110	SPECIAL NUCLEAR MATERIAL PLUTONIUM-UNSEALED,LESS THAN CRITICAL MASS	1D	3
22111	SNM, U-235 AND/OR U-233–UNSEALED, LESS THAN A CRITIAL MASS	1D	3
22120	SNM PLUTONIUM–SEALED NEUTRON SOURCES, LESS THAN 200 GRAMS	1D	5
22130	POWER SOURCES WITH BYPRODUCT MATERIAL AND/OR SPECIAL NUCLEAR MATERIAL	3P	T
22131	POWER SOURCES WITH SPECIAL NUCLEAR MATERIAL	1D	5
22135	POWER SOURCES WITH BYPRODUCT MATERIAL–MANUFACTURING & DISTRIBUTION	3B	T
22136	POWER SOURCES WITH SPECIAL NUCLEAR MATERIAL–MANUFACTURING & DISTRIBUTION	1D	T
22140	SPECIAL NUCLEAR MATERIAL PLUTONIUM–SEALED SOURCES IN DEVICES	1C	5
22150	SNM PLUTONIUM–SEALED SOURCES LESS THAN A CRITICAL MASS	1D	5
22151	SNM, U-235 AND/OR U-233 SEALED SOURCES, LESS THAN A CRITICAL MASS	1D	5
22155	Critical Mass Material Other Than Fuel Cycle	1F	3
22160	PACEMAKER-BYPRODUCT, AND/OR SNM–MEDICAL INSTITUTION	7C	T
22161	PACEMAKER-BYPRODUCT, AND/OR SPECIAL NUCLEAR MATERIAL-INDIVIDUAL	1D	T
22162	PACEMAKER-BYPRODUCT MATERIAL–MANUFACTURING AND DISTRIBUTION	3B	2
22170	SPECIAL NUCLEAR MATERIAL GENERAL LICENSE DISTRIBUTION - 70.39	1D	5
22200	DECOMMISSIONING OF OTHER SNM FACILITIES–LESS THAN CRITICAL MASS	14A	D
23100	FRESH FUEL STORAGE AT REACTOR SITES	1D	1/0
23200	INTERIM SPENT FUEL STORAGE	1B	1/0
23300	SNM POSSESSION ONLY (NON-FUEL)–PERMANENT SHUTDOWN	1D	2
23310	SNM STANDBY (NON-FUEL) –NO OPERATIONS	1D	2
25110	TRANSPORT-PRIVATE CARRIAGE	12	N/A
26000	NEXUS TO NRC SNM ORDER TO NRC AGREEMENT STATE LICENSEE	12	N/A

Table 2

Part 30 Licenses

A Part 30 and 40.52 license number has the following format: xx-xxxxx-xx.

The first two digits are the State code. The middle five digits are the institutional code assigned by the Licensing Assistant (LA), which is the same for each license for each physical location. The last two digits are an identification number. There will be a different identification number for each license held by the same institution.

In addition, a license suffix follows certain license types.

License Suffixes

xx-xxxxx-xxG	General (Distribution)
xx-xxxxx-xxE	Exempt (Distribution)
xx-xxxxx-xxMD	Medical Distribution

Part 40 Licenses (Exclude 40.52)

The license number for a Part 40 license is composed of three letters followed by a number.

The first letter is always 'S.'

The second letter can be U, T, or M:

U-Uranium Only
T-Thorium Only
M-Both Uranium and Thorium

The third letter can be A, C, D, E, or B:

A-Manufacture/Possession of Ore
C-Storage Only
D-Sub-Critical Assembly
E-Export
B-Everything Else

The identification number that follows the three-letter code is assigned chronologically by Headquarters, NMSS/MSST/MSLB.

For example, SMC-xxx is a Part 40 license that covers both uranium and thorium storage.

Part 70 Licenses

All Part 70 licenses are composed of the same three-letter code, "SNM," followed by an identification number, which is assigned chronologically by Headquarters, NMSS/MSST/MSLB.

Table 3

STATE CODES FOR MATERIALS LICENSES

1.	Alabama	AL		32.	North Carolina	NC
2.	Arizona	AZ		33.	North Dakota	ND
3.	Arkansas	AR		34.	Ohio	OH
4.	California	CA		35.	Oklahoma	OK
5.	Colorado	CO		36.	Oregon	OR
6.	Connecticut	CT		37.	Pennsylvania	PA
7.	Delaware	DE		38.	Rhode Island	RI
8.	District of Columbia	DC		39.	South Carolina	SC
9.	Florida	FL		40.	South Dakota	SD
10.	Georgia	GA		41.	Tennessee	TN
11.	Idaho	ID		42.	Texas	TX
12.	Illinois	IL		43.	Utah	UT
13.	Indiana	IN		44.	Vermont	VT
14.	Iowa	IA		45.	Virginia	VA
15.	Kansas	KS		46.	Washington	WA
16.	Kentucky	KY		47.	West Virginia	WV
17.	Louisiana	LA		48.	Wisconsin	WI
18.	Maine	ME		49.	Wyoming	WY
19.	Maryland	MD		50.	Alaska	AK
20.	Massachusetts	MA		51.	Canal Zone	CZ
21.	Michigan	MI		52.	Puerto Rico	PR
22.	Minnesota	MN		53.	Hawaii	HI
23.	Mississippi	MS		54.	Canada	
24.	Missouri	MO		55.	Virgin Island	VI
25.	Montana	MT		56.	Guam	GU
26.	Nebraska	NE		57.	American Samoa	AS
27.	Nevada	NV		58.	Marshall Island	TT
28.	New Hampshire	NH		59.	Navy Ships	NS
29.	New Jersey	NJ		60.	Northern Mariana Islands	MP
30.	New Mexico	NM		61.	Johnston Island	JI
31.	New York	NY				

BYPRODUCT MATERIAL PROGRAM CODES

Academic Broad and Academic Other licenses are issued to educational institutions for the possession and use of radionuclides for teaching, training, and some research purposes, such as carbon-14 dating, equipment calibration, tracer studies, and the identification of substances in compounds. Examples of the program codes are 0100, 01110.

A medical institution is defined in 10 CFR 35.2 to be an organization in which several medical disciplines are practiced. It typically provides 24-hour-per-day medical, surgical, or psychiatric treatment; nursing, food, lodging, etc., to ill or injured patients. Medical Institution Broad and Medical Institution Limited licenses are issued to organizations for the application of byproduct material, or its radiation, to humans. Radioactive material administered to patients is considered to be an in vivo procedure. (Use of radioactive material in test tubes in the laboratory is considered to be an in vitro procedure, and these licensees are in program code 02410.) Licensees authorized to use therapeutic 10 CFR 35.1000 medical uses listed in program code 02240, high dose rates (HDRs), teletherapy, and gamma knives are generally issued program codes 2240, 02230, 02300, and 02310, as applicable, along with the program code for their medical institution license (e.g., 02110 or 02120). Examples of the program codes are 02110, 02120.

Medical Private Practice licenses are issued, pursuant to 10 CFR 35.12, to a physician or physicians for the possession and use of radionuclides in well-established diagnostic and therapeutic procedures, usually in their offices outside a medical institution. Private practice licensees authorized for therapeutic medical uses under 10 CFR 35.1000 listed in program code 02240, HDRs, teletherapy, or gamma knives are issued program codes 02240, 02230, 02300, and 02310, as applicable, along with the program code for their private practice license (e.g., 02200). These codes authorize the possession and use of a wide range of radionuclides in byproduct, source and special nuclear material. Examples of the program codes are 02200, 02201.

Well logging licenses are issued to firms for the possession and use of radionuclides for subsurface surveying to obtain geological information. These testing procedures are primarily used in oil, gas, and mineral exploration to identify subsurface geologic formations. Examples of the program codes are 03110, 03111.

Measuring System licenses are issued for the possession and use of measuring devices such as gauges and gas chromatographs containing radionuclides. Frequently, the equipment is serviced and leak tested by the manufacturer or lessor of the equipment. Examples of the program codes are 03120, 03121.

Specific byproduct radionuclide may be made by a reactor, increasing the production of fission products or producing activation products from other isotopes. With the Energy Policy Act of 2005, byproduct material also includes radionuclides for medical, commercial, and research uses produced by accelerators. NRC regulates both reactor and facilities that meet the 10 CFR 50.2 definition of a production facility under 10 CFR Part 50. These licensees have 10 CFR Part 50 authorizations for byproduct material uses incidental to the reactor license. If the reactor or production facility licensee produces quantities of byproduct material for transfer to other licensees for distribution to 10 CFR Part 30 licensees (which includes 10 CFR Parts 32, 33, 34, 35, 36, and 39 licensees), the licensee will be identified as a byproduct radionuclide producer. NRC does not regulate the accelerator used to produce byproduct material but does regulate the byproduct material produced. Examples of program codes are 03200, 03205.

Manufacturing and Distribution Broad, and Manufacturing and Distribution Other licenses are issued for the manufacture and distribution of products containing byproduct material in various forms for a number of diverse purposes. The products are distributed usually to persons specifically licensed by the NRC or an Agreement State. Licensees include medical suppliers that process, package, and distribute products such as diagnostic test kits, radioactive surgical implants, and tagged radiochemicals for use in medical, academic and industrial research, and for diagnosis and therapy. Licensees are also suppliers who, after purchasing bulk quantities of byproduct material, process, encapsulate, package, and distribute these sealed sources for use in gamma radiography, cobalt irradiation, well logging, etc. Major products include gamma radiography sources, cobalt irradiation sources, well logging sources, sources for gauges and smoke detectors, and radiochemicals for nonmedical research. Firms are also involved with the manufacture, assembly, and distribution of various other products that contain radionuclides. The broad licenses are issued to the larger facilities having more comprehensive radiological protection programs. It is also interesting to note that distribution is authorized under a separate license with, for example, an “E” or “G” suffix.

The Energy Policy Act of 2005 amended the definition of byproduct material to include discrete sources of radium-226 made before and after the date of the Energy Policy Act. Therefore, manufacturing and distribution licenses now include the assembly, disassembly, and repair of products containing radium-226, in addition to the manufacture of products containing discrete sources of radium-226. Examples of the program codes are 03210, 03211.

Waste disposal service licenses authorize the collection, transportation, and storage of radioactive wastes containing byproduct, source, and/or special nuclear material. These licenses authorize firms to collect packaged waste material, transport the waste, and temporarily store it before transporting the waste to an authorized burial ground. Some licenses authorize the opening of packages and treatment of the waste to reduce the volume (e.g., compaction). Examples of the codes are 03231, 03232.

General License Distribution licenses are issued for the distribution of byproduct material, usually sealed sources in devices, to general licensees. Examples of such items are: (i) gauges, (ii) luminous aircraft safety devices, (iii) calibration and reference sources, (iv) ice detection devices, and (v) in vitro test kits. The requirements for a license for distribution to general licensees are specified in various sections of 10 CFR Part 32. A general licensee does not need to submit a formal application and does not receive a formal license. The conditions of a general license are contained in 10 CFR Part 31. These licenses generally do not authorize possession/use and have a “G” suffix. Examples of the program codes are 03240, 03241.

Exempt Distribution licenses are issued for the commercial distribution of byproduct material to persons who are exempt from the licensing requirements. These exemptions and their limitations, if any, are contained in 10 CFR Parts 30.14-30.22, and 40.13 inclusive. Examples of exempt items are watches, electron tubes, and smoke detectors. The requirements for a license to distribute byproduct material to persons exempt from licensing are contained in 10 CFR Part 32 and Part 40. These licenses generally do not authorize possession and have an “E” suffix. Examples of the program codes are 03250, 03251.

Industrial Radiography licenses are issued for the possession and use of sealed radioactive materials, usually in exposure devices or “cameras,” that emit gamma rays for nondestructive examination of pipelines, weld joints, steel structures, boilers, aircraft, ship parts, and other high-stress alloy parts. The radioisotopes most commonly used are cobalt-60 and iridium-192.

Radiography can be conducted either in a permanent facility or at a temporary jobsite. Examples of the program codes are 03310, 03320.

Irradiator licenses are issued for the possession and use of high-activity sealed sources of radioactive material in an irradiator constructed so that the sealed sources and the material being irradiated are contained in a shielded volume. Primary uses include nonhuman medical and nonmedical research conducted chiefly by universities, and industrial uses, such as the sterilization of medical products and drugs, and treating of hardwoods, plastics, and semiconductor materials. The radioisotopes most commonly used in these irradiators are cobalt-60 and cesium-137. Self-shielded units are designed so that the operator cannot inadvertently place any part of his/her body in the path of the beam. Units other than self-shielded units may rely on facility alarms and interlocks to prevent accidental exposure to radiation. "Irradiators Other" include units where the source is stored and/or used under water. Examples of the program codes are 03510, 03511.

Research and Development licenses are issued to private organizations, universities, and government agencies for the possession and use of radionuclides in research. Typical uses include irradiation of materials, tracers and catalysts in chemical reactions, measurement using industrial gauges, and the identification of substances in compounds. In private industry, uses are primarily in product development. In academic institutions, research and development includes training of students in the use of radioactive materials. Broad licenses are issued to larger facilities having a more comprehensive radiation protection program where the types of research being conducted may fluctuate rapidly. Typical activities include environmental analysis, food quality studies, aerospace and engineering applications, and product development. Examples of the program codes are 03610, 03611.

Source materials are materials essential to the production of special nuclear materials. Source material includes (i) uranium (and depleted uranium produced as enrichment tails) or thorium, or any combination thereof, in any physical or chemical form; or (ii) ores that contain by weight 0.05% or more of uranium, thorium, or any combination thereof. (See 10 CFR 40.4 for a definition of source material.)

Source Material licenses are issued for the possession and use of refined uranium and/or thorium for fabrication, research, and manufacture of consumer products such as ceramics and glassware; manufacture of refractories; uranium shielding; analytical standards; and other uses not specifically classified. A smaller number of these licenses are issued to allow the possession of uranium and/or thorium for other uses such as distribution and storage. An even smaller number of these licenses are issued to allow the use of uranium in subcritical assemblies. Priority sections denoted as 1/0 indicate that inspections are performed at least annually. Examples of the program codes are 11100, 11200.

Special nuclear materials include plutonium, uranium-233, uranium enriched in the isotopes of uranium-233 or uranium-235, and any material artificially enriched in any of these materials. (See 10 CFR 40.4 and 70.4 for a definition of special nuclear material.) Priority sections denoted as "1/0" indicate that inspections are performed at least annually. Examples of the program codes are 21130, 21133.

Pacemaker-Byproduct Material and/or Special Nuclear Material licenses are issued to: (1) medical facilities for the surgical implantation of pacemakers that are powered by a device containing byproduct or special nuclear material; (2) manufacturers and distributors for the distribution of these pacemakers; and (3) individuals, most often Canadian citizens on holiday,

with implanted nuclear pacemakers, who are visiting the United States. Examples of the program codes are 22160, 22161.

The primary and secondary program codes should be selected such that if the primary program code best describes the licensing activities but the licensee has other activity with a higher inspection priority, then the program code with the highest inspection priority will be the secondary code.

Academic Broad - Type A **Program Code 01100**

Academic Broad - Type A 6-20 Locations **Program Code 04618**

Academic Broad - Type A More Than 20 Locations **Program Code 04619**

Academic Broad-Type A licenses are issued to larger institutions where there is a diversity in the use of various radionuclides. The kinds and uses of radionuclides may change frequently, even within the same institution. Quantities are usually in the multicurie range. The "Authorized Use" condition on these licenses may permit teaching and training of students; research and development (as defined in 10 CFR 30.4); or laboratory research, including animal studies. If the "Authorized Use" includes medical research, diagnosis, and/or therapy, the license should be listed under an appropriate Part 35 medical use program code and may also authorize laboratory research with an appropriate academic or research program code as a secondary code. (NUREG–1556, Volume 9 or 11 for further explanation.)

This category also includes the possession and use of source material for shielding when authorized on the same license.

10 CFR Citation: Section 33.13 Inspection Priority: 3
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee (exemption in 170.11 may apply)
10 CFR 171.16 Annual Fee (exemption in 171.11 may apply)

Academic Broad - Type B **Program Code 01110**

Academic Broad - Type B 6-20 Locations **Program Code 04620**

Academic Broad - Type B More Than 20 Locations **Program Code 04621**

Academic Broad-Type B licenses are issued for the possession and use of fewer radionuclides and in smaller quantities than Type A licenses. (See 10 CFR 33.100, Schedule A, Column I.)

10 CFR Citation: Section 33.14 Inspection Priority: 5
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee (exemption in 170.11 may apply)
10 CFR 171.11 Annual Fee (exemption in 171.11 may apply)

Academic Broad - Type C **Program Code 01120**

Academic Broad - Type C 6-20 Locations **Program Code 04622**

Academic Broad - Type C More Than 20 Locations **Program Code 04623**

Academic Broad-Type C licenses are issued for the possession and use of a limited number of radionuclides and in smaller quantities than Type B licenses. (See 10 CFR 33.100, Schedule A, Column II.)

10 CFR Citation: Section 33.14 Inspection Priority: 5
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee (exemption in 170.11 may apply)
10 CFR 171.11 Annual Fee (exemption in 171.11 may apply)

Medical Institution Broad **Program Code 02110**

Medical Institution Broad 6-20 locations **Program Code 04710**

Medical Institution Broad More Than 20 Locations **Program Code 04711**

Medical Institution Broad licenses are issued to larger medical institutions for the possession and use of a wide range of radionuclides in byproduct, source and special nuclear material in medical research, diagnosis, and therapy. These licensees have Radiation Safety Committees, and these committees are allowed to authorize their own users. Some medical institutions authorize routine clinical procedures using the 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, and 35.600 medical use licensing authorizations and include a Broad-Type A, Broad-Type B or Broad-Type C authorization for research. These licenses are not assigned the 02110 program code, but should be assigned program code 02120 for the primary code and the applicable academic or R & D program code , as the secondary code. Refer to program code 01100 for R&D use under 30.4.

10 CFR Citation: Sections 33.13-15 and Part 35 Inspection Priority: 2
Fee Category: 7B, 7B(1), 7B(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Institution–Written Directive Required **Program Code 02120**

Medical Institution–Written Directive Required licenses are issued to medical institutions required to have procedures for administrations requiring a written directive pursuant to 10 CFR 35.41. This applies to licenses that authorize (i) any teletherapy; (ii) any gamma stereotactic radiosurgery; (iii) any brachytherapy; (iv) any oral administration of sodium iodide I-131 in quantities greater than 30 microcuries; (v) any therapeutic administration of a unsealed byproduct material other than sodium iodide I-131; or (vi) therapeutic uses under 10 CFR 35.1000. This code is used as a primary code for limited scope specific medical use licenses having 10 CFR 35.300, 10 CFR 35.400, certain 10 CFR 35.600, or certain therapy 10 CFR 35.1000 authorizations. This code authorizes the possession and use of a wide range of radionuclides in byproduct, source and special nuclear material. The code is used as a secondary code when the license also authorizes high dose rate remote afterloader or gamma stereo tactic radiosurgery units or modalities listed under program code 02240. Additional

secondary codes for research and development may also be used (e.g., 03610, 03611, 03612) as appropriate.

This code also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: SectionsSections 35.40, 35.300, 35.400, 35.600 and therapeutic 35.1000 Inspection Priority: 3
Fee Category: 7B
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Institution–Written Directive Not Required **Program Code 02121**

Medical Institution–Written Directive Not Required licenses are issued to medical institutions not required to have procedures for administrations requiring a written directive in accordance with 10 CFR 35.41 (see program code 02120). This code authorizes the possession and use of a wide range of radionuclides in byproduct, source and special nuclear material. In general, this code should be used as the primary program code only for limited specific medical licenses authorizing 10 CFR 35.100, 35.200, 35.500., and any non-therapeutic 35.1000 medical uses should be assigned 02240 as the primary code. The secondary code for research and development may be used (e.g., 03610, 03611, 03612, as appropriate).

This code also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.100, 35.200 35.500, and non-therapeutic 35.1000 Inspection Priority: 5
Fee Category: 7B
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Private Practice–Written Directive Required **Program Code 02200**

Medical Private Practice–Written Directive Required licenses are issued to a physician or physicians required to have procedures for administrations requiring a written directive pursuant to 10 CFR 35.41. This applies to licenses that authorize (i) any teletherapy, (ii) any gamma stereotactic radiosurgery, (iii) any brachytherapy, (iv) any administration of sodium iodide I-131 in quantities greater than 30 microcuries, (v) any therapeutic administration of a radiopharmaceutical other than sodium iodide I-131, or (vi) therapeutic use in 10 CFR 35.1000. In general, this code should be used as the primary program code only for medical private practice licenses having 10 CFR 35.300, 35.400, certain 35.600, or certain therapy 35.1000 authorizations. This code is used as a secondary code when the license also authorizes HDR remote afterloader or gamma stereo tactic radiosurgery units and modalities listed under program code 02240.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.40, 35.300 35.400, 35.600and non-therapeutic 35.1000 Inspection Priority: 3

Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Private Practice-Written Directive Not Required **Program Code 02201**

Medical Private Practice–Written Directive Not Required licenses are issued to a physician or physicians not required to have procedures for administrations requiring a written directive pursuant to 10 CFR 35.41 (see program code 02200). In general, this code should be used as the primary program code only for private practice licensees having nuclear medicine, diagnostic sealed sources, and nontherapeutic emerging technologies.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.100, 35.200 35.500, and non-therapeutic 35.1000 Inspection Priority: 5
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Eye Applicators Strontium-90 **Program Code 02210**

Eye Applicator licenses are issued to a physician or physicians for the possession and use of a device containing a strontium-90 source to treat superficial eye diseases.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license. Note that the Epi-Rad Ophthalmic system is authorized under 35.1000, emerging technologies, not under this program code.

10 CFR Citation: Sections 35.400 Inspection Priority: 3
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Mobile Medical Service–Written Directive Not Required **Program Code 02220**

Mobile Medical Service–Written Directive Not Required licenses are issued to a physician or physicians for the receipt of radioactive material at a central facility and preparation of patient doses to be administered at outlying small hospitals, nursing homes, etc., where clinical studies are conducted. This type of medical use licensee uses only types and quantities of byproduct materials for 10 CFR 35.100, 35.200, 35.500, and diagnostic 35.1000 medical uses that do not require written directives, and patients must be releasable under 10 CFR 35.75. (If a medical institution conducts a mobile nuclear medicine service, in addition to performing routine diagnostic and therapeutic procedures at its own location, the license should be assigned a primary program code of 02120 and a secondary program code of 02220.)

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.80, 35.100, 35.200, 35.500, and non-therapeutic 35.1000 — Inspection Priority: 3
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

High Dose Rate Remote Afterloader — **Program Code 02230**

High Dose Rate (HDR) Remote Afterloader licenses authorize the use of large activity byproduct material sealed sources, typically 10 curies of iridium-192, for cancer brachytherapy. These sources are connected to a wire and contained in a shielded device that feeds the source into the patient via a catheter. (If a medical institution or private practice performs HDR procedures in addition to performing diagnostic and therapeutic procedures referenced in 10 CFR 35.100, 35.200, 35.300, 35.400, and 35.500, the license should be assigned a primary program code of 02230 and secondary program codes of 02120, 02121, 02200, or 02201.)

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.600 — Inspection Priority: 2
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Mobile Medical Service–Written Directive Required — **Program Code 02231**

Mobile medical service–Written Directive Required licenses authorize the use of byproduct material for mobile radiopharmaceutical use, mobile manual and remote afterloader brachytherapy use (i.e., for 10 CFR 35.300, 35.400, 35.600, and therapy 35.1000 medical uses) requiring a written directive for patients and human research subjects that can be immediately released in compliance with 10 CFR 35.75. Equipment (including the HDR devices) and byproduct material for these treatments is transported to outlying small hospitals, nursing homes, etc. For the mobile high dose rate remote afterloader licenses, the large activity byproduct material sealed sources, typically 10 curies of iridium-192, are transported to these outlying locations for temporary implant brachytherapy. These sources are connected to a wire and contained in a shielded device that feeds the source into the patient via a catheter. (If a medical institution conducts brachytherapy at outlying locations using a mobile high dose rate remote afterloader, in addition to performing the routine diagnostic and therapeutic procedures referenced in 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, and 35.1000 at the permanent site, the license should be assigned a primary program code of 02231 and secondary program codes of 02120 or 02121. Program code 02231 is assigned as a secondary code only if the licensee receives a new authorization included in program code 02240.)

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Sections 35.80, 35.100, 35.400, 35.60, and 35.1000 — Inspection Priority: 2

Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Therapy–Other Emerging Technology **Program Code 02240**

Medical Therapy–Other Emerging Technology licenses are authorized to use byproduct material in specific products that require unique radiation safety programs. Some of these products include complex radionuclide beta emitting high dose rate remote afterloaders, microsphere sealed sources, liquid brachytherapy sources, and permanent implant low dose rate remote afterloaders. Future products may include new radionuclide drugs and complex radionuclide drug delivery systems. Most of these, but not all of these are the therapeutic uses authorized pursuant to 10 CFR 35.1000 and will include other new high-risk medical technologies that the medical community, the particular licensee, or NRC have not had extensive experience in using or regulating. Some of the radioactive drugs, the devices and sources currently in this program code include (i) TheraSphere and SirSphere Y-90 microsphere sources and delivery systems, (ii) Novoste intravascular brachytherapy (IVB) sources and devices, (iii) GliaSite I-125 liquid brachytherapy sources and radiation treatment systems, (iv) Nucletron Seed Selectron and Nucletron First System, (v) the Lexel Perfexion gamma steotactic radiosurgery unit, (vi) the Neouista epirad, and (vii) NorthStar Radiogenix. This program code will be assigned as the primary program code for new licenses or licenses amended to add the devices and sources described in this program code if the licensees other appropriate program codes have longer inspection frequencies. An existing license should be inspected within 12 months of the issuance of the amendment for a medical therapy modality under 10 CFR 35.1000. The reviewer should complete the actions in Volume 20, Section 4.12.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Section 35.1000 Inspection Priority: 2
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Teletherapy **Program Code 02300**

Teletherapy 6-20 locations **Program Code 04510**

Teletherapy More Than 20 Locations **Program Code 04511**

Teletherapy licenses authorize the use of cobalt-60 or cesium-137 for external beam cancer therapy. Many of the teletherapy licensees also have a medical institution license (see program codes 02110, 02120, and 02121).

This code also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Section 35.600 Inspection Priority: 5
Fee Category: 7A, 7A(1), 7A(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Gamma Stereotactic Radiosurgery **Program Code 02310**

Gamma Stereotactic Radiosurgery 6-20 Locations **Program Code 04512**

Gamma Stereotactic Radiosurgery More than 20 locations **Program Code 04513**

Stereotactic Radiosurgery Gamma Knife licenses are issued for the use and possession of a gamma knife, a radiation therapy unit containing cobalt-60 that is located in a hemispherical shield with collimator ports directed to a single three-dimensional focus inside the unit. These units are used for the treatment of intracranial anomalies. Note that the Leksell Perfektion gamma stereotactic unit is a 35.1000 emerging technologies device and not authorized under this program code.

This code also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Section 35.600 Inspection Priority: 2
Fee Category: 7A, 7A(1), 7A(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Veterinary **Program Code 02400**

Veterinary 6-20 Locations **Program Code 04410**

Veterinary More Than 20 Locations **Program Code 04411**

Veterinary licenses are issued to veterinarians for the possession and use of radionuclides in medical diagnosis or therapy procedures on animals. This category does not include any animal research authorized under academic or research program codes, and is not authorized any of the medical program codes above.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

***In Vitro* Testing Laboratories** **Program Code 02410**

***In Vitro* Testing Laboratories 6-20 Locations** **Program Code 04412**

***In Vitro* Testing Laboratories More Than 20 Locations** **Program Code 04413**

In vitro Testing Laboratory licenses are issued to individuals or facilities for the possession and use of radionuclides for performing in vitro analyses that are not included in medical program codes 02110 and 02120

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Nuclear Pharmacies **Program Code 02500**

Nuclear Pharmacies 6-20 Locations **Program Code 04210**

Nuclear Pharmacies More Than 20 Locations **Program Code 04211**

Nuclear Pharmacy licenses are issued to nuclear pharmacies for the possession and commercial distribution of radiopharmaceuticals and other items to hospitals and physicians. These licensees usually purchase various radioactive materials in bulk from larger firms and prepare and distribute patient dosages. Note that most customers are medical use licensees. This program code does not include the distribution or redistribution of sealed sources or devices for medical use authorized pursuant to 10 CFR 32.74.

Licensees paying fees under 3.C. are not subject to fees under 2.B. for possession and shielding authorized on the same license.

10 CFR Citation: Part 30 and Section 32.72 Inspection Priority: 2
Fee Category: 3C, 3C(1), 3C(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Product Distribution–32.72 Prepared Radiopharmaceuticals **Program Code 02511**

Medical Product Distribution–32.72 Prepared Radiopharmaceuticals 6-20 Locations **Program Code 04212**

Medical Product Distribution–32.72 Prepared Radiopharmaceuticals More Than 20 Locations **Program Code 04213**

Medical Product Distribution licenses are issued to individuals or organizations for the distribution of prepared radiopharmaceuticals containing byproduct material to persons who have been issued a specific license under 10 CFR 35.11 for the possession and medical use of byproduct material specified in 10 CFR 35.100, 35.200, or 35.300. It is used as a primary program code for licensees that do not authorize possession or use of licensed material and as a secondary program code if the 10 CFR 32.72 authorization is included on a license that authorizes possession and use of licensed materials.

Licensees paying fees under 3.C. are not subject to fees under 2.B. for possession and shielding authorized on the same license.

10 CFR Citation: Part 30 and Section 32.72 Inspection Priority: 5
Fee Category: 3C, 3C(1), 3C(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Product Distribution – 32.74 Sources and Devices **Program Code 02513**

Medical Product Distribution – 32.74 Sources and Devices 6-20 Locations **Program Code 04214**

Medical Product Distribution – 32.74 Sources and Devices More Than 20 Locations **Program Code 04215**

Medical Product Distribution licenses are issued to individuals or organizations for the distribution of sources and devices containing byproduct material to persons who have been issued a specific license under 10 CFR 35.11 to use a calibration or reference source or transmission sources or for the possession and medical use of byproduct material specified in 10 CFR 35.400, 35.500, 35.600, or 35.1000. It is used as a primary program code for licensees that do not authorize possession or use of licensed material and as a secondary program code if the 32.74 authorization is included on a license that authorizes possession and use of licensed materials.

Licensees paying fees under 3.C. are not subject to fees under 2.B. for possession and shielding authorized on the same license.

10 CFR Citation: Section 32.74 Inspection Priority: 5
Fee Category: 3C, 3C(1), 3C(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Production of PET Radioactive Drugs–30.32(j) **Program Code 02600**
(SECONDARY CODE ONLY)

Production of Positron Emission Tomography (PET) Radioactive Drugs authorizations are given to medical, education, or Federal licensees for the noncommercial transfer of PET radioactive drugs to medical use licensees within its consortium. It is a secondary code only used to identify those entities that meet the criteria in 10 CFR 30.32(j).

10 CFR CitationCitation: Paragraph 30.32(j) Inspection Priority: N/A
Fee Category: See primary code
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Radium-226 Luminous Products or Sources up to and Including 10 Times 31.12(a)(4) or (5) **Program Code 02700**

Radium-226 Luminous Products of Sources up to and Including 10 times 31.12(a)(4) or (5) licenses are issued for the possession and use of the items or products identified in the regulation when the number of items possessed at any one location (within a single building) exceed the limits specified in 10 CFR 31.12(a)(4) or (5), up to and including 10 times the limit. Persons who possess radium sources that are used for operational purposes in another fee category are not also subject to the fees in this category. (This exception does not apply if the radium sources are possessed for storage only.)

10 CFR Citation: Part 30 and Section 31.12 Inspection Priority: 5
Fee Category: 3R.1
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Radium-225 Luminous Products or Sources greater than 10 Times 31.12(a)(4) or (5) **Program Code 02710**

Radium-226 Luminous Products of Sources greater than 10 Times 31.12(a)(4) or (5) licenses are issued for the possession and use of the items or products identified in the regulation when the number of items possessed at any one location (within a single building) exceed the limits specified in 10 CFR 31.12(a)(4) or (5) more than 10 times the limit. Persons who possess radium sources that are used for operational purposes in another fee category are not also subject to the fees in this category. (This exception does not apply if the radium sources are possessed for storage only.)

10 CFR Citation: Part 30 and Section 31.12 Inspection Priority: 3
Fee Category: 3R.2
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Byproduct and/or Special Nuclear Material (SNM) Tracer and Sealed Sources **Program Code 03110**

Well Logging Byproduct, source material and/or SNM Tracer and Sealed Sources licenses are issued for the possession and use of both sealed and unsealed sources in connection with the exploration for oil, gas, or minerals in wells.

10 CFR Citation: Sections 39.11 and 39.13 Inspection Priority: 3
Fee Category: 5A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Byproduct and/or SNM Sealed Sources Only **Program Code 03111**

Well Logging Byproduct, source material and/or SNM Sealed Sources Only licenses are issued for the possession and use of only sealed sources to be used in connection with the exploration for oil, gas, or minerals in wells. Occasionally, licenses are also issued for the study of subsurface potable aquifers.

10 CFR Citation: Sections 39.11 and 39.13 Inspection Priority: 3
Fee Category: 5A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Byproduct Only–Tracers Only **Program Code 03112**

Well Logging Byproduct Only–Tracers Only licenses are issued for the possession and use of only unsealed byproduct material to be used in connection with the exploration for oil, gas, or minerals in wells.

10 CFR Citation: Sections 39.11 and 39.13 Inspection Priority: 3
Fee Category: 5A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Field Flooding Studies **Program Code 03113**

Field Flooding Study licenses are issued for the injection of unsealed byproduct material into large areas for tracing oil and gas reservoirs.

10 CFR Citation: Sections 39.11 and 39.13 Inspection Priority: 3
Fee Category: 5B
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Measuring Systems Fixed Gauges **Program Code 03120**

Measuring Systems Fixed Gauges 6-20 Locations **Program Code 04414**

Measuring Systems Fixed Gauges More Than 20 Locations **Program Code 04415**

Measuring Systems Fixed Gauge licenses are issued for the possession and use of nonportable gauging devices (i.e., gauges mounted in fixed locations that are designed for measurement or control of material density, flow, level, thickness, or weight, etc.) This category also includes mobile fixed gauges, such as those on barges and cement trucks. The gauges contain sealed sources that radiate through the substance being measured to a readout or controlling device.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Measuring Systems Portable Gauges **Program Code 03121**

Measuring Systems Portable Gauges 6-20 Locations **Program Code 04416**

Measuring Systems Portable Gauges More Than 20 Locations **Program Code 04417**

Measuring Systems Portable Gauge licenses are issued for the possession and use of a portable gauging device, such as a moisture density gauge used at field locations. These gauges contain a gamma-emitting sealed source, usually cesium-137, and/or a sealed neutron source, usually americium-241 and beryllium.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Measuring Systems Analytical Instruments **Program Code 03122**

Measuring Systems Analytical Instruments 6-20 Locations **Program Code 04418**

Measuring Systems Analytical Instruments More Than 20 Locations **Program Code 04419**

Measuring Systems Analytical Instrument licenses are issued for the possession and use of analytical systems such as X-ray fluorescence analyzers that do not fit any of the other measuring system category descriptions.

10 CFR Citation: Part 30 Inspection Priority: T
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Measuring Systems Gas Chromatographs **Program Code 03123**

Measuring Systems Gas Chromatographs 6-20 Locations **Program Code 04420**

Measuring Systems Gas Chromatographs More Than 20 Locations **Program Code 04421**

Measuring Systems Gas Chromatograph licenses are issued for the possession and use of gas chromatographs to be used for quality control testing in industrial processes.

10 CFR Citation: Part 30 Inspection Priority: T
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Measuring Systems Other **Program Code 03124**

Measuring Systems Other 6-20 Locations **Program Code 04422**

Measuring Systems Other More Than 20 Locations **Program Code 04423**

Measuring System Other licenses are issued for the possession and use of instrument calibrators, krypton leak detectors, and other measuring systems that do not fit the category descriptions for the measuring system categories (program codes 03120-03123). ***Note:*** Although this program code was previously used for “storage-only” of byproduct, source and special nuclear material, program codes 03800, 03810, 11800, 11810, 23300, and 23310 should be used for “storage-only.”

10 CFR Citation: Part 30 Inspection Priority: T
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Inspection Systems **Program Code 03130**

Inspection Systems 6-20 Locations **Program Code 04436**

Inspection Systems More Than 20 Locations **Program Code 04437**

Inspection System licenses are issued for the possession and use of fixed and mobile gamma-ray or neutron nonintrusive inspection systems for cargo, vehicle, and contraband inspections. These systems may be designed to be moved from site to site, although they may be located at one site for prolonged periods. The systems include integral real-time imaging components. The equipment, operations, and safety controls are the same whether they are used in fixed or in mobile mode.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Industrial Diagnostic Systems **Program Code 03140**

Industrial Diagnostic Systems 6-20 Locations **Program Code 04438**

Industrial Diagnostic Systems More Than 20 Locations **Program Code 04439**

Industrial Diagnostic Systems licenses are issued for the possession and use of a sealed source for diagnostic scanning at industrial sites to measure density, flow, level, thickness, or leaks within a system. These are typically sources attached to guidewires transported in shielded pigs, inserted into a separate shielding component with a window for use, and lowered manually into place. An instrument is used to read the radiation from the sealed source through the material being measured. Sources can be, but are not limited to, Co-60 with activities ranging from 1 to 100's of millicuries and Cf-252 with activities from 0.1 to 1 millicurie.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Byproduct Radionuclide Production–Reactor **Program Code 03200**
(SECONDARY CODE ONLY)

Byproduct Radionuclide Production–Reactor authorization will be given to reactor licensees that do not meet the production facility definition in 10 CFR 50.2 and produce byproduct radionuclide for transfer to 10 CFR Part 30 licensees (which includes 10 CFR Parts 32, 33, 34, 35, 36, and 39 licensees).

10 CFR Citation: Parts 30 and 50 Inspection Priority: N/A
Fee Category: N/A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Byproduct Radionuclide Production – Non-reactor **Program Code 03205**
(SECONDARY CODE ONLY)

Byproduct Radionuclide Production–10 CFR Part 50 Production Facility or a Part 70 Hot Cell Facility authorization is given to a licensee meeting the definition of a production facility under 10 CFR 50.2 who is producing byproduct material from fission products for transfer to a 10 CFR Part 30 licensee for their use and distribution to other 10 CFR Part 30 licensees (which includes 10 CFR Parts 32, 33, 34, 35, 36, and 39 licensees).

10 CFR Citation: Parts 30, 50, and 70 Inspection Priority: N/A
Fee Category: N/A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Byproduct Radionuclide Production Using an Accelerator **Program Code 03210**

Byproduct Radionuclide Production Using an Accelerator licenses are issued to facilities that have accelerators used for the production of byproduct material. The license covers activities that take place once radioactive materials are produced by the accelerator, which include material in the target and associated activation products, to the transfer or distribution of material to another license for preparation of the final product (e.g., radioactive drugs). It does not include the operation of the accelerator, because NRC does not regulate the accelerator or its operation. It also does not include neutron accelerators and other types of accelerators (e.g., linear accelerators) that are used to product particle beams and not radioactive materials. Many of these have other licenses to produce PET radioactive drugs, process the accelerator-produced radionuclides into other finished products, processing raw material and/or sources without the use of an accelerator, or distribute these processed materials to users as finished products.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 3S
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Manufacturing and Distribution Broad-Type A **Program Code 03211**

Manufacturing and Distribution Broad-Type A 6-20 Locations **Program Code 04010**

Manufacturing and Distribution Broad-Type A More Than 20 Locations **Program Code 04011**

Manufacturing and Distribution Broad-Type A licenses are issued to larger organizations where there is often quite a diversity in the use of various radionuclides. The kinds and uses of radionuclides may change frequently, even within the same organization. Broad-Type A licenses are used for programs run by a Radiation Safety Committee that designates the authorized users of the material. The Radiation Safety Committee also has a full-time Radiation Safety Officer (RSO). These licenses authorize the possession and use of a wide variety of radioactive material without having each radionuclide and authorization specifically listed on the license. Quantities are usually in the multicurie range. (See also the introductory remarks and Broad-Type A description in 10 CFR Part 33.)

10 CFR Citation: Section 33.13 Inspection Priority: 2
Fee Category: 3A, 3A(1), 3A(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Manufacturing and Distribution Broad-Type B **Program Code 03212**

Manufacturing and Distribution Broad-Type B 6-20 Locations **Program Code 04012**

Manufacturing and Distribution Broad-Type B More Than 20 Locations **Program Code 04013**

Manufacturing and Distribution Broad-Type B licenses are issued for the possession and use of fewer radionuclides and in smaller quantities than for Type A licenses. (See 10 CFR 33.100, Schedule A, Column I. See also the introductory remarks and Broad-Type B description in 10 CFR Part 33.)

10 CFR Citation: Section 33.14 Inspection Priority: 5
Fee Category: 3A, 3A(1), 3A(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Manufacturing and Distribution Broad-Type C **Program Code 03213**

Manufacturing and Distribution Broad-Type C 6-20 6-20 Locations **Program Code 04014**

Manufacturing and Distribution Broad-Type C More Than 20 Locations **Program Code 04015**

Manufacturing and Distribution Broad-Type C licenses are issued for the possession and use of a limited number of radionuclides and in smaller quantities than for Type B licenses. (See 10 CFR 33.100, Schedule A, Column II. See also the introductory remarks and Broad-Type C description in 10 CFR Part 33.)

10 CFR Citation: Section 33.15 Inspection Priority: 5
Fee Category: 3A, 3A(1), 3A(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Manufacturing and Distribution Other **Program Code 03214**

Manufacturing and Distribution Other 6-20 Locations **Program Code 04110**

Manufacturing and Distribution Other More **Program Code 04111**

Manufacturing and Distribution Other licenses are issued to smaller firms that require a more restrictive license.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3B, 3B(1), 3B(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Manufacture, Assembly, Disassembly, Repair of Products Containing Radium-226 **Program Code 03215**

Manufacture, Assembly, Disassembly, Repair of Products Containing Radium-226 6-20 Locations **Program Code 04112**

Manufacture, Assembly, Disassembly, Repair of Products Containing Radium-226 More Than 20 Locations **Program Code 04113**

Manufacture, Assembly, Disassembly, Repair of Products Containing Radium-226 licenses are issued for the possession and use of certain items and self-luminous products containing radium-226 as are identified in 10 CFR 31.12 when the intent is to manufacture, assemble, disassemble, or repair such products.

10 CFR Citation: Part 30 and Section 31.12 Inspection Priority: 3
Fee Category: 3B, 3B(1), 3B(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Nuclear Laundry **Program Code 03218**

Nuclear Laundry licenses are issued for the cleaning of protective clothing contaminated with radioactive material. Firms in this industry often provide nuclear cleaning services as part of a full line of uniform rental or health physics services.

10 CFR Citation: Part 30 Inspection Priority: 3
Fee Category: 6A
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Decontamination Services **Program Code 03219**

Decontamination Services licenses authorize the cleaning and release of contaminated material, usually scrap metal, for unrestricted use. Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 Inspection Priority: 3
Fee Category: 3N
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Leak Test Service Only **Program Code 03220**

Leak Test Service Only 6-20 Locations **Program Code 04424**

Leak Test Service Only More Than 20 Locations **Program Code 04425**

Leak Test Service Only licenses are issued to commercial service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for leak testing sealed sources or devices containing sealed sources, analyzing leak test samples, and supplying preregistered leak test kits. Many facilities own or lease equipment, such as gauges or industrial radiographic cameras, containing sealed sources that have to be periodically tested for removable contamination. This is usually done by wiping the potentially contaminated surfaces of the device or, in some cases, the surface of the sealed source, and analyzing the wipe for radioactive contamination.

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 Inspection Priority: T
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Instrument Calibration Services Only, Source Less Than or Equal to 100 Curies **Program Code 03221**

Instrument Calibration Services Only, Source Less Than or Equal to 100 Curies 6-20 Locations **Program Code 04426**

Instrument Calibration Services Only, Source Less Than or Equal to 100 Curies More Than 20 Locations **Program Code 04427**

These Instrument Calibration Service Only licenses are issued to commercial service organizations (those that offer their services to other licensees) for the possession and use of sealed sources for calibration of radiation survey and monitoring instruments. Each source must have less than or equal to100 curies [3.7 TBq] of radioactive material.

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Instrument Calibration Service Only, Source Greater Than 100 Curies — **Program Code 03222**

Instrument Calibration Service Only, Source Greater Than 100 Curies 6-20 Locations — **Program Code 04428**

Instrument Calibration Service Only, Source Greater Than 100 Curies More Than 20 Locations — **Program Code 04429**

These Instrument Calibration Service Only licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of sealed sources for commercial calibration of radiation survey and monitoring instruments. One or more sources has more than 100 curies [3.7 TBq] of radioactive material.

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 — Inspection Priority: 5
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Other Services for Sources Less Than or Equal to 100 Curies — **Program Code 03225**

Other Services licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for commercial services, such as teletherapy or industrial gauge servicing, that are not covered in the descriptions for program codes 03220-03222.

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 — Inspection Priority: 5
Fee Category: 3N
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Other Services for Sources Greater Than 100 Curies — **Program Code 03226**

Other services licenses for sources greater than 100 curies are issued to service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for commercial servicing of units with a sealed source greater than 100 curies, such as medical teletherapy or gamma stereotactic radiosurgery units, irradiator units or panoramic irradiator facilities that are not covered in the descriptions for program codes 03220-03224. (**Note**: Although the individual sealed sources for the gamma stereotactic radiosurgery units are 32-36 curies, the sources are considered in the aggregate when considering the activity for this program code because they produce a single radiation field during servicing.)

Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 3N
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Waste Disposal (Burial) **Program Code 03231**

Waste Disposal (Burial) licenses authorize the commercial disposal of radioactive wastes containing byproduct, source, and special nuclear material received from other persons. They are also used as a secondary code for organizations authorized to dispose of their own waste (noncommercial).

10 CFR Citation: Parts 20, 30, and 61 Inspection Priority: 2
Fee Category: 4A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Waste Disposal Service Prepackaged Only **Program Code 03232**

Waste Disposal Service Prepackaged Only licenses authorize the pick-up, transportation, and storage of only already-packaged wastes. This license does not authorize the opening of the packages.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 4C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Waste Disposal Service Incineration **Program Code 03233**

Waste Disposal Service Incineration licenses authorize the commercial receipt of wastes from other persons and disposal of the wastes by incineration.

10 CFR Citation: Section 20.2004 and Part 30 Inspection Priority: 2
Fee Category: 4A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Waste Disposal Service Processing and/or Repackaging **Program Code 03234**

Waste Disposal Service Processing and/or Repackaging licenses authorize the receipt of packaged wastes from other persons, opening of the packages, compacting and repackaging of wastes, and transfer to an authorized burial ground for disposal.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 4B
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Incineration, Noncommercial **Program Code 03235**
(SECONDARY CODE ONLY)

Incineration, Noncommercial licenses are issued to organizations authorized to incinerate their own radioactive wastes, under 10 CFR 20.2004.

10 CFR Citation: Section 20.2004 and Part 30 Inspection Priority: N/A
Fee Category: N/A

Waste Treatment Service (Other Than Compaction) **Program Code 03236**

Waste Treatment Service (Other Than Compaction) licenses authorize both the receipt of wastes from other persons and treatment operations more complicated than compacting and repackaging of wastes, and the transfer to an authorized burial ground for disposal. Waste Treatment Service licenses authorize the physical or chemical treatment of contaminated soil and other solid, liquid, and gaseous wastes. Such waste treatment authorizes removing radioactive materials from waste, reducing the volume of the waste, changing the form of waste, or other similar operations to allow for the transfer of the treated waste to an interim storage facility or an authorized burial ground for disposal. For contaminated soil or water, this includes activities related to site evaluation before waste treatment. This code should not be used for incineration. Program codes 03233 or 03235 (secondary code) should be used for incineration.

10 CFR Citation: Parts 30 and 40 Inspection Priority: 2
Fee Category: 4A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

General License for Long Term Care of Title I UR Mill Tailings Disposal Sites **Program Code 03237**

General license issued under 10 CFR 40.27 for the custody of and long-term care for disposal sites under Title I of the Uranium Mill Tailings Radiation Control Act of 1978, as amended. The license is available only to the U.S. Department of Energy, or another Federal agency designated by the President to provide long-term care. The purpose of this general license is to ensure that uranium mill tailings disposal sites will be cared for in such a manner as to protect the public health, safety and the environment after remedial action has been completed.

10 CFR Citation: Parts 40 Inspection Priority: 4
Fee Category: 18B
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

General License for Long Term Care of Title II UR Mill Tailings Disposal Sites **Program Code 03238**

General license issued under 10 CFR 40.28 for the custody of and long-term care for disposal sites under Title I of the Uranium Mill Tailings Radiation Control Act of 1978, as amended. The license is available only to the U.S. Department of Energy, or another Federal agency designated by the President to provide long-term care. The purpose of this general license is to ensure that uranium mill tailings disposal sites will be cared for in such a manner as to protect the public health, safety and the environment after remedial action has been completed.

10 CFR Citation: Parts 40 Inspection Priority: 4
Fee Category: 18B
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

General License Distribution–32.51 **Program Code 03240**

General License Distribution–32.51 licenses are issued to organizations for the transfer of byproduct material in sealed sources contained in devices to persons who may be general licensees under 10 CFR 31.5. (Licenses authorizing manufacture and distribution are described in program codes 03211-03214.) General licenses under 10 CFR 31.5 are issued to commercial and industrial firms and to research, educational, and medical institutions for possession of material in devices designed for detecting, measuring, gauging, or controlling density, thickness, radiation leakage, or chemical composition, or for producing light or an ionized atmosphere.

10 CFR Citation: Section 32.51 Inspection Priority: 5
Fee Category: 3J
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

General License Distribution–32.53 **Program Code 03241**

General License Distribution–32.53 licenses are issued to organizations for the distribution of luminous aircraft safety devices to persons who may be general licensees under 10 CFR 31.7. General licenses under 10 CFR 31.7 are issued for possession and use of tritium or promethium-147 contained in luminous aircraft safety devices, where the device contains less than 10 curies [370GBq] of tritium or 300 millicuries [11.1 GBq] of promethium-147.

10 CFR Citation: Section 32.53 Inspection Priority: 5
Fee Category: 3J
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

General License Distribution–32.57 **Program Code 03242**

General License Distribution–32.57 licenses are issued to organizations for the distribution of calibration or reference sources to persons who may be general licensees under 10 CFR 31.8. General licenses under 10 CFR 31.8 are issued for possession and use of americium-241 in calibration and reference sources. A person may be a general licensee under this provision only if they already possess a specific license.

10 CFR Citation: Section 32.57 Inspection Priority: 5
Fee Category: 3K
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

General License Distribution–32.61 **Program Code 03243**

General License Distribution–32.61 licenses are issued to organizations for the distribution of ice detection devices to persons who may be general licensees under 10 CFR 31.10. General licenses under 10 CFR 31.10 are issued for possession and use of strontium-90 in ice detection devices.

10 CFR Citation: Section 32.61 Inspection Priority: 5
Fee Category: 3J
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

General License Distribution–32.71 **Program Code 03244**

General License Distribution–32.71 licenses are issued to organizations for the distribution of byproduct material to persons who may be general licensees under 10 CFR 31.11. General licenses under 10 CFR 31.11 are issued to physicians, hospitals, clinical laboratories, or veterinarians in the practice of veterinary medicine for the possession of specified byproduct material in prepackaged units for use in certain in vitro clinical or laboratory tests.

10 CFR Citation: Section 32.71 Inspection Priority: 5
Fee Category: 3K
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.11: Exempt Concentrations and Items **Program Code 03250**

These Exempt Distribution licenses authorize (i) the introduction of byproduct material into a product or material owned by or in the possession of the licensee or another, (ii) the transfer of ownership or possession of the material or product containing the byproduct material to persons exempt under 10 CFR 30.14 from licensing requirements, and (iii) the introduction of exempt concentrations of byproduct material into products that occur as a result of irradiation using a reactor and/or an accelerator. The residual byproduct material in a product must be the result of use of byproduct material for another purpose (e.g., a tracer study in a refinery could result in residual contamination of the gasoline, kerosene, or heating oil being produced by the refinery).

10 CFR Citation: Section 32.11 Inspection Priority: 5
Fee Category: 3I
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.14: Certain Items **Program Code 03251**

These Exempt Distribution licenses authorize the initial transfer for sale or distribution of certain products containing byproduct material, as specified in 10 CFR 30.15 to persons exempt from licensing requirements.

10 CFR Citation: Section 32.14 Inspection Priority: 5
Fee Category: 3I
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.18: Small Quantities **Program Code 03253**

These Exempt Distribution licenses authorize the commercial distribution of small quantities of byproduct material to persons exempt under10 CFR 30.18 from licensing requirements.

10 CFR Citation: Section 32.18 Inspection Priority: 5
Fee Category: 3I
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.22: Self Luminous Products **Program Code 03254**

These Exempt Distribution licenses authorize the initial transfer of self-luminous products containing tritium, krypton-85, or promethium-147 to persons exempt under 10 CFR 30.19 from licensing requirements.

10 CFR Citation: Section 32.22 Inspection Priority: 5
Fee Category: 3H
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.26: Smoke Detectors **Program Code 03255**

These Exempt Distribution licenses authorize the initial transfer of gas and aerosol detectors containing byproduct material and are designed to protect life or property from fire and airborne hazards to persons exempt under 10 CFR 30.20 from licensing requirements.

10 CFR Citation: Section 32.26 Inspection Priority: 5
Fee Category: 3H
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.21: Carbon-14 Urea Capsules **Program Code 03256**

These Exempt Distribution licenses authorize the commercial distribution of a radioactive drug containing one microcurie of carbon-14 to persons exempt under 10 CFR 30.21 from licensing requirements.

10 CFR Citation: Section 32.21 Inspection Priority: 5
Fee Category: 3I
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–32.30: Certain Industrial Devices **Program Code 03257**

These Exempt Distribution licenses authorize the initial transfer for sale or distribution industrial devices containing byproduct material designed and manufactured for the purpose of detecting, measuring, gauging or controlling thickness, density, level, interface location, radiation, leakage, or qualitative or quantitative chemical composition, or for producing an ionized atmosphere to persons exempt under 10 CFR 30.22 from licensing requirements.

10 CFR Citation: Section 32.30 Inspection Priority: 5
Fee Category: 3H
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Industrial Radiography Fixed Location **Program Code 03310**

Industrial Radiography Fixed Location 6-20 Locations **Program Code 04310**

Industrial Radiography Fixed Location More Than 20 Locations **Program Code 04311**

Industrial Radiography Fixed Location licenses are issued for the possession and use of sealed radioactive materials in exposure devices. These licenses are issued to organizations to conduct activities only at permanent facilities, usually designed and shielded for radiography; however, a "field site" could be authorized as a place of use.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Section 34.11 Inspection Priority: 2
Fee Category: 3O, 3O(1), 3O(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Industrial Radiography Temporary Job Sites **Program Code 03320**

Industrial Radiography Temporary Job Sites 6-20 Locations **Program Code 04312**

Industrial Radiography Temporary Job Sites More Than 20 Locations **Program Code 04313**

Industrial Radiography Temporary Job Sites licenses are issued for the possession and use of sealed radioactive materials in exposure devices. These licenses are issued to organizations to conduct activities at multiple temporary locations.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Section 34.11 Inspection Priority: 1
Fee Category: 3O, 3O(1), 3O(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Irradiators Self-Shielded Less Than Or Equal To 10,000 Curies **Program Code 03510**

These Irradiators Self-Shielded licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is less than or equal to 10,000 curies [370 TBq]. The device is constructed so that there is no external beam during use and is "usually a small cabinet type device that is not built-in."

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3E
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Irradiators Other Less Than Or Equal To 10,000 Curies **Program Code 03511**

These Irradiators Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is less than or equal to 10,000 curies [370 TBq]. The device does not provide shielding from the radiation beam, so additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Irradiators Self-Shielded Greater Than 10,000 Curies **Program Code 03520**

These Irradiators Self-Shielded licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is 10,000 curies [30 TBq] or more. The device is constructed so that there is no external beam during use and is "usually a small cabinet type device that is not built in."

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3E
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Irradiators Other Greater Than 10,000 Curies **Program Code 03521**

These Irradiators Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is greater than 10,000 curies [370 TBq]. The device does not provide shielding from the radiation beam, so additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30 Inspection Priority: 2
Fee Category: 3G
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Research and Development Broad-Type A **Program Code 03610**

Research and Development Broad-Type A 6-20 Locations **Program Code 04610**

Research and Development Broad-Type A More Than 20 Locations **Program Code 04611**

Research and Development Broad-Type A licenses are issued to larger organizations where there is a diversity in the use of various radionuclides. The kinds and uses of radionuclides may change frequently, even within the same organization. Broad-Type A licenses are used for

programs run by a Radiation Safety Committee that designates the authorized users of the material. The Radiation Safety Committee also has a full time Radiation Safety Officer (RSO). These licenses are issued for the possession and use of a wide variety of radioactive material without having each radionuclide and authorized use listed on the license. Quantities are usually in the multicurie range. (See also the introductory remarks and Broad-Type A description in 10 CFR Part 33).

10 CFR Citation: Section 33.13 Inspection Priority: 3
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Research and Development Broad-Type B **Program Code 03611**

Research and Development Broad-Type B 6-20 Locations **Program Code 04612**

Research and Development Broad-Type B More Than 20 Locations **Program Code 04613**

Research and Development Broad-Type B licenses are issued for the possession and use of fewer radionuclides and smaller quantities of byproduct material than Type A licenses. (See 10 CFR 33.100, Schedule A, Column I. See also the introductory remarks and Broad-Type B description in 10 CFR Part 33).

10 CFR Citation: Section 33.14 Inspection Priority: 5
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Research and Development Broad-Type C **Program Code 03612**

Research and Development Broad-Type C 6-20 Locations **Program Code 04614**

Research and Development Broad-Type C More Than 20 Locations **Program Code 04615**

Research and Development Broad-Type C licenses are issued for the possession and use of a limited number of radionuclides and smaller quantities of byproduct material than Type B licenses. (See 10 CFR 33.100, Schedule A, Column II. See also the introductory remarks and Broad-Type C description in 10 CFR Part 33.)

10 CFR Citation: Section 33.15 Inspection Priority: 5
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Research and Development Broad-Multisite-Multiregional **Program Code 03613**

Research and Development Broad-Multisite-Multiregional 6-20 Locations **Program Code 04616**

Research and Development Broad-Multisite-Multiregional More than 20 Locations **Program Code 04617**

Research and Development Broad-Multisite-Multiregional licenses are issued for the possession and use of material at fixed facilities in more than one Region e.g., US Department of Agriculture. (See also the introductory remarks and R&D Broad-Type A program code 03610 description.)

10 CFR Citation: Section 33.12 Inspection Priority: 2
Fee Category: 3L, 3L(1), 3L(2)
10 CFR 170.31 License Fee

Master Materials Licenses **Program Code 03614**

A Master Materials License (MML) is a material (byproduct, source, and/or special nuclear material) license issued to a Federal organization, authorizing use of material at multiple sites in multiple regions. The Navy, Air Force, and Veterans' Administration are the only MML licensees at this time. The MML authorizes the licensee to issue permits for the possession and use of licensed material under the license and ties the licensee to a framework for oversight and internal licensee inspection of the MML.

10 CFR Citation: Parts 2, 19, 20, 21, 30, 31, 35, 36, 37, 39, 40 Inspection Priority: 2
Fee Category: 17
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Research and Development Other **Program Code 03620**

Research and Development Other licenses are issued for the possession and use of specifically designated radionuclides in commercial laboratories, academic institutions, industrial facilities, and medical institutions for nonhuman research.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 3M
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Civil Defense **Program Code 03710**

Civil Defense licenses are issued for the possession and use of byproduct, source, and/or special nuclear material for training individuals in civil defense activities, such as calibrating and demonstrating the use of radiation survey and monitoring equipment, and exercises in detection and identification of radioactive materials.

10 CFR Citation: Part 30 Inspection Priority: 5
Fee Category: 8A

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Byproduct Material Possession Only–Permanent Shutdown **Program Code 03800**

Byproduct Material Possession Only–Permanent Shutdown 6-20 Locations **Program Code 04430**

Byproduct Material Possession Only–Permanent Shutdown More Than 20 Locations **Program Code 04431**

Byproduct Material Possession Only–Permanent Shutdown licenses authorize possession and/or storage of residual contamination or other byproduct material in anticipation of removal of all licensed material and eventual termination of the license. This license is for licensees that have stated in writing that they have permanently ceased operations with no intent to restart. A formal request for license termination is not required at this time. Only packaging and shipping operations necessary to remove licensed materials from the site are authorized. No decontamination or other work involving byproduct material is authorized. [This code should not be used for licenses covered by program codes 03232, 03900, or 06100. Additionally, program codes that were used previous to this one should be used as secondary codes to ensure traceability of license types within the Web-based Licensing (WBL) system].

10 CFR Citation: Part 30 Inspection Priority: 3
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Byproduct Material Standby–No Operations **Program Code 03810**

Byproduct Material Standby–No Operations 6-20 Locations **Program Code 04432**

Byproduct Material Standby–No Operations More Than 20 Locations **Program Code 04433**

Byproduct Material Standby–No Operations licenses authorize possession and/or storage of byproduct material for licensees that are not conducting the principal activity for which the license was issued but have not yet decided to cease operations permanently. Only packaging and shipping operations necessary to remove licensed material from the site are authorized. No decontamination or other work involving byproduct material is authorized. (This program code should not be used for licenses covered by program codes 03232, 03900, or 06100. Additionally, program codes that were used previous to this one should be used as secondary codes to ensure traceability of license types within WBL.)

Note: Licensees paying fees under 3.N. are not subject to paying fees under 3.P. for calibration or leak testing services authorized on the same license.

10 CFR Citation: Part 30 Inspection Priority: 3
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Decommissioning of Byproduct Material Facilities **Program Code 03900**

Decommissioning of Byproduct Material Facilities licenses authorize activities for licensees that have notified NRC of their intent to terminate all or part of their activities involving byproduct material and decommission their facility(s). A plan may have been submitted for decontaminating the property and equipment so that it may be released for unrestricted use. Includes licensees performing decontamination, decommissioning, reclamation, or site restoration in order to release a facility.

10 CFR Citation: Part 30 Inspection Priority: D
Fee Category: 14
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Storage of Reactor Low-Level Waste **Program Code 06100**

Storage of Reactor Low-Level Waste licenses are issued to operating power reactors to allow additional on-site storage of low-level radioactive wastes generated on-site.

10 CFR Citation: Part 30 Inspection Priority: 1
Fee Category: 4A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Low-Level Waste Storage–Other **Program Code 06101**
(SECONDARY CODE)

Low-Level Waste Storage–Other licenses are issued to allow on-site storage of low-level radioactive waste generated on-site.

10 CFR Citation: Part 30 Inspection Priority: 1
Fee Category: 4A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Conventional Mills and After 2009 Heap Leach Facilities **Program Code 11100**

Conventional mill and heap leach facility licenses are issued for the extraction of uranium from uranium ore. In milling operations, the ore is crushed and chemically treated to extract the uranium and convert it to a form called yellowcake. Prior to 2009, heap leach facilities were under Program Code 11600.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(2)(a)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Source Material Other Less Than 150 Kilograms **Program Code 11200**

These Source Material Other licenses are issued for the possession and use of source material for fabrication, research, or manufacture of consumer products. These licenses do not allow the possession of more than 150 kilograms of material.

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material Shielding **Program Code 11210**

Source Material Shielding licenses are issued for the possession and use of source material in shielding for protection against radiation.

Licensees paying fees under 3.C, 7.C. are not subject to fees under 2.B. for possession and shielding authorized on the same license.

10 CFR Citation: Part 40 Inspection Priority: T
Fee Category: 2B
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material Military Munitions Indoor Testing **Program Code 11220**

Source Material Military Munitions Indoor Testing licenses are issued for the possession, use, and testing of depleted uranium products designed for the military. The testing is done within an enclosure; the testing usually results in fragmentation of the munitions.

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material Military Munitions Outdoor Testing **Program Code 11221**

Source Material Military Munitions Outdoor Testing licenses are issued for the possession, use, and testing of depleted uranium products designed for the military.

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material General License Distribution–40.34 **Program Code 11230**

Source Material General License Distribution licenses authorize the initial transfer of certain industrial products and devices containing depleted uranium to persons who have been issued a general license under 10 CFR 40.25. (The general license in 10 CFR 40.25 authorizes the receipt, acquisition, possession, use, or transfer of depleted uranium contained in industrial

products or devices for the purpose of providing a concentrated mass in a small volume of the product or device.)

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Exempt Distribution–Source Material distribution 40.52 **Program Code 11240**

Applicants for a specific license to apply source material to, incorporate source material into, manufacture, process, or produce the products specified in 10 CFR 40.13(c) or to initially transfer for sale or distribution any products containing source material for use under 10 CFR 40.13(c) apply under 10 CFR 40.52, "Certain Items Containing Source Material; Requirements for License To Apply or Initially Transfer."

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material Other Greater Than 150 Kilograms **Program Code 11300**

These Source Material Other licenses are issued for the possession and use of source material for fabrication, research, or manufacture of consumer products. These licenses authorize the possession of more than 150 kilograms of material.

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Uranium Hexafluoride Conversion and Deconversion Plants **Program Code 11400**

Uranium Hexafluoride Conversion and Deconversion Plant licenses are issued for the possession and use of uranium to allow the conversion of yellowcake and/or ore concentrates to uranium hexafluoride (UF6) or the deconversion of UF6 to uranium oxides for disposal. This program code does not apply to uranium hexafluoride source material used in enrichment or in processing of special nuclear material.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(1)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Basic *In Situ* Recovery Facilities **Program Code 11500**

Basic *in situ* recovery facility licenses are issued for *in situ* recovery yellowcake facilities with zero to three satellites. These facilities include a central processing plant (CPP) that includes all the equipment necessary to collect uranium on resin, strip uranium from the resin, and process the uranium into a yellowcake slurry or dried yellowcake powder. These facilities may also

receive resins from up to three satellite facilities operated by the same company for further processing of the contained uranium into yellowcake.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(2)(b)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Expanded *In Situ* Recovery Programs **Program Code 11510**

Expanded *in situ* recovery facility licenses are issued for an *in situ* recovery yellowcake facilities with more than three satellites. These facilities have a central processing plant with the same equipment as a facilities in program code 11500.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(2)(c)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

***In Situ* Recovery Resin Facilities** **Program Code 11550**

In situ recovery resin facility licenses are issued to stand-alone *in situ* recovery resin facilities that perform *in situ* recovery operations and include equipment for the collection of dissolved uranium from on-site underground ore bodies onto ion exchange resins. The resins are then transported to another company's facility for further processing of the collected uranium into yellowcake.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(2)(d)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Resin Toll Milling Facilities **Program Code 11555**

Resin toll milling facility licenses are issued to facilities that do not conduct any on-site recovery of uranium but consist of a central processing plant for the purpose of processing resins from other *in situ* recovery facilities into yellowcake.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(2)(e)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Heap Leach (pre-2009), Ore Buying Stations and Byproduct Recovery **Program Code 11600**

Heap Leach, Ore Buying Stations and Byproduct Recovery licenses are issued for the recovery of source material from low-grade uranium ores, from old tailings piles, or from a small ore body at a location distant from the mill complex. The heap leach process consists of spraying or trickling an acid solution over sections of the heap pile. Pipes or covered drains in the base of the pile collect the uranium-enriched solution after it percolates through the heap.

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(3)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Rare Earth Extraction and Processing **Program Code 11700**

Rare Earth Extraction and Processing licenses are issued for the possession and use of source material for processing activities not directly related to the nuclear fuel cycle. This category includes licenses for extraction of metals, heavy metals, and rare earths. The extraction may be accomplished by a number of different methods, with the source material generally considered to be a waste product. This program code category is not used for milling operations (program code 11100), licenses for uranium hexafluoride production (program code 11400), or licenses for processing and recovery of source material in in situ or heap leaching operations (program code 11500).

10 CFR Citation: Part 40 Inspection Priority: 5
Fee Category: 2A(2)(f)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Manufacturing And Distribution **Program Code 11710**

Licenses for possession and use of source material for processing or manufacturing of products or materials containing source material for commercial distribution.

10 CFR Citation: Part 40 Inspection Priority: 3
Fee Category: 2E
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Source Material Possession Only–Permanent Shutdown **Program Code 11800**

Source Material Possession Only–Permanent Shutdown licenses authorize possession and/or storage of residual contamination, tailings piles, slag piles, or other source material in anticipation of removal of all licensed material and eventual termination of the license. This license is for licensees that have stated, in writing, that they have permanently ceased operations with no intent to restart. A formal request for license termination is not required at this time. Only packaging and shipping operations necessary to remove licensed material from the site are authorized. No decontamination or other work involving the material is authorized. (Program codes that were used previous to this one should be used as secondary codes to ensure traceability of license types within WBL.)

10 CFR Citation: Part 40 Inspection Priority: 2
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material Standby–No Operations **Program Code 11810**

Source Material Standby–No Operations licenses authorize possession and/or storage of source material for licensees that are not conducting the principal activity for which the license was issued but have not yet decided to cease operations permanently. Only packaging and shipping operations necessary to remove licensed material from the site are authorized. No decontamination or other work involving source material is authorized. (Program codes that were used previous to this code should be used as secondary codes to ensure traceability of license types within WBL.)

10 CFR Citation: Part 40 Inspection Priority: 2
Fee Category: 2F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Source Material–Water Treatment **Program Code 11820**

Source material–water treatment licenses are issued for facilities that are authorized to possess source material related to removal of source material contaminants from drinking water.

10 CFR Citation: Part 40 Inspection Priority: 2
Fee Category: 2A(5)
10 CFR 70.31 License Fee
10 CFR 171.16 Annual Fee

Decommissioning of Source Material Facilities **Program Code 11900**

Decommissioning of Source Material Facilities licenses are issued for facilities that have notified NRC of their intent to terminate all or part of their activities involving source material and authorize decommissioning the facilities where the activities were performed. A plan may have been submitted for decontaminating the property and equipment so that it may be released for unrestricted use. This includes licenses that authorize decontamination, decommissioning, reclamation, or site restoration to release a facility.

10 CFR Citation: Part 40 Inspection Priority: D
Fee Category: 14
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

AEA 11e.(2) Byproduct Material Disposal Facilities **Program Code 12000**

Atomic Energy Act Section 11e.(2) byproduct material disposal licenses are issued to facilities that receive this type of byproduct material from other persons for possession and disposal. This program code is not used for conventional mills and heap leach facilities (program code 11100) or facilities for AEA 11e.(2) byproduct material disposal incident to operation (program code 11650).

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(3)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Facilities for AEA 11e.(2) ByProduct Material Disposal Incident to Operation **Program Code 12010**

Atomic Energy Act Section 11e.(2) byproduct material disposal licenses are issued to facilities that receive this type of byproduct material from other persons for possession and disposal incidental to the disposal of uranium waste tailing generated by the licensee's milling operations. This program code is not used for conventional mills and heap leach facilities (program code 11100).

10 CFR Citation: Part 40 Inspection Priority: 1/0
Fee Category: 2A(4)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Hot Cell Operations - Reactor Fuel **Program Code 21130**

Hot Cell Operations licenses are issued for the processing and fabrication of reactor fuels containing uranium and/or plutonium for experimental purposes. Some facilities also perform chemical operations to recover the uranium and plutonium from scrap and other off-specifications materials.

10 CFR Citation: Part 70 Inspection Priority: 1/0*
Fee Category: 1A(2)(c)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee
*Typically 3 inspections per year

Hot Cell Operations–Other Than Reactor Fuel **Program Code 21133**

Hot Cell Operations–Other licenses are issued for activities other than reactor fuel fabrication. This may include testing of spent fuel samples or other research and development activities.

10 CFR Citation: Part 70 Inspection Priority: 1
Fee Category: 1A(2)(c)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Decommissioning of Advanced Fuel R&D and Pilot Plants **Program Code 21135**

Decommissioning of Advanced Fuel R&D and Pilot Plants licenses are issued for a facility that has notified the Commission of its intent to terminate a portion or all of its activities involving special nuclear materials and/or has submitted to NRC a plan and schedule for decontaminating the facilities, property, and equipment so that it may be released for unrestricted use. This program code is used only when the license authorizes the decommissioning or decontamination.

10 CFR Citation: Part 70 Inspection Priority: 1/0
Fee Category: 14A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Uranium Enrichment Plants **Program Code 21200**

Uranium Enrichment Plants licenses are issued for the possession and use of source and special nuclear material for the purpose of enriching natural uranium in the U-235 isotope. Existing and planned plants enrich uranium in the form of uranium hexafluoride, either by gaseous diffusion or gas centrifuge methods. Future plants may use other forms of uranium and methods of enrichment. Plants whose product is for eventual use in commercial power reactors enrich uranium up to about 5% U-235, while plants whose product is for naval reactor propulsion enrich uranium to greater than 90% U-235.

10 CFR Citation: Parts 40 and 70 Inspection Priority: 1/0
Fee Category: 1E
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Uranium Enrichment–Centrifuge Demo **Program Code 21205**

Uranium Enrichment–Centrifuge Demo licenses are issued for pilot plants operated to demonstrate the capabilities of new centrifuge technology. Any uranium enriched is recycled with the depleted uranium and returned to its original state. No enriched uranium product is produced.

10 CFR Citation: Parts 70 Inspection Priority: 1
Fee Category: 1A(2)(b)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Uranium Fuel Fabrication (LEU) **Program Code 21210**

Uranium Fuel Fabrication (LEU) licenses are issued for the possession and use of special nuclear material for the purpose of fabricating reactor fuel containing low-enriched uranium. In most facilities, low-enriched uranium hexafluoride is converted to uranium dioxide pellets and inserted into zirconium tubes. The tubes are fabricated into fuel assemblies, which are shipped to commercial nuclear power plants. Licenses are for possession and use of 5 kilograms or more of uranium-235 that has been enriched to less than 20 percent.

10 CFR Citation: Part 70 Inspection Priority: 1
Fee Category: 1A(1)(b)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Uranium Fuel Fabrication (HEU) **Program Code 21213**

Uranium Fuel Fabrication (HEU) licenses are issued for the possession and use of special nuclear material for the purpose of fabricating reactor fuel containing high-enriched uranium. High-enriched uranium is processed into reactor fuel for the Federal Government (usually the Navy). Licenses are for possession and use of uranium enriched up to 100 percent.

10 CFR Citation: Part 70 Inspection Priority: 1
Fee Category: 1A(1)(a)

10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Decommissioning of Uranium Fuel Fabrication Plants **Program Code 21215**

Decommissioning of Uranium Fuel Fabrication Plants licenses are issued for a facility that has notified NRC of its intent to terminate a portion or all of its activities involving special nuclear materials and/or has submitted to NRC a plan and schedule for decontaminating the facilities, property, and equipment so that it may be released for unrestricted use. This program code is used only when the license authorizes the decontamination or decommissioning.

10 CFR Citation: Part 70 Inspection Priority: 1/0
Fee Category: 14A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Uranium Fuel Research and Development and Pilot Plants **Program Code 21240**

Uranium Fuel Research and Development and Pilot Plants licenses are issued for the possession and use of enriched uranium for purposes such as academic training and in research and development activities associated with nuclear fuel other than fuel processing (program code 21210). Licenses authorize possession and use of 5 kilograms or more of enriched uranium-235 in unsealed form or 2 kilograms or more of uranium-233 in unsealed form.

10 CFR Citation: Part 70 Inspection Priority: 1/0
Fee Category: 1A(2)(a)
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Critical Mass Material Licenses **Program Codes 21310 & 21320**

Critical Mass Material licenses are issued for the possession and use of special nuclear material in quantities sufficient to form a critical mass, specifically, more than 350 grams of enriched uranium-235, more than 200 grams of uranium-233, more than 200 grams of plutonium, or any combination thereof. Program code 21310 is for universities. Program code 21320 is for all licenses except those issued to universities.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1A(2)(a)
10 CFR 170.11 License and Inspection Fee
(exemption in 10 CFR 170.11 may apply to program code 21310)
10 CFR 171.11 Annual Fee (exemption in 10 CFR 171.16 may apply to program code 21310)

Decommissioning of Critical Mass – Other Than Fuel Fab **Program Code 21325**

Decommissioning of Critical Mass Other Than Fuel Fab licenses are issued for a facility that has notified NRC of its intent to terminate a portion or all of its activities involving special nuclear materials and/or has submitted to NRC a plan and schedule for decontaminating the facilities, property, and equipment so that it may be released for unrestricted use. This program code is used only when the license authorizes the decontamination or decommissioning.

10 CFR Citation: Part 70 Inspection Priority: D
Fee Category: 14
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material Plutonium–Unsealed, Less Than a Critical Mass **Program Code 22110**

Special Nuclear Material Plutonium–Unsealed, Less Than a Critical Mass licenses are issued for the possession and use of small quantities of plutonium (less than 200 grams total) in unsealed form for purposes such as biological and chemical testing and for calibration of instruments.

10 CFR Citation: Part 70 Inspection Priority: 3
Fee Category: 1D
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material, U-235 and/or U-233 –Unsealed, Less Than a Critical Mass **Program Code 22111**

Special Nuclear Material U-235 and/or U-233–Unsealed, Less Than a Critical Mass licenses are issued for the possession and use of small quantities of uranium (less than 350 grams of U-235 and/or less than 200 grams of U-233) in unsealed form for purposes such as biological and chemical testing and for calibration of instruments.

10 CFR Citation: Part 70 Inspection Priority: 3
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material Plutonium–Neutron Sources, Less Than 200 Grams **Program Code 22120**

Special Nuclear Material Plutonium–Neutron Sources, Less Than 200 Grams licenses are issued for the possession and use of small quantities of plutonium (less than 200 grams total), usually combined with beryllium, as the source of neutrons for instrument calibration, teaching and demonstration purposes, and industrial applications.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Power Sources with Byproduct and/or Special Nuclear Material **Program Code 22130**

Power Sources with Byproduct and/or Special Nuclear Material 6-20 Locations **Program Code 04434**

Power Sources with Byproduct and/or Special Nuclear Material More Than 20 Locations **Program Code 04435**

Power Sources with Byproduct and/or Special Nuclear Material licenses are issued for the possession and use of byproduct and/or special nuclear material to generate heat or power that will be used for remote weather stations, space satellites, and other special applications.

10 CFR Citation: Parts 30 and 70 Inspection Priority: T
Fee Category: 3P, 3P(1), 3P(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Power Sources with Special Nuclear Material **Program Code 22131**

Power Sources with Special Nuclear Material licenses are issued for the possession and use of special nuclear material to generate heat or power that will be used for remote weather stations, space satellites, and other special applications.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Power Sources with Byproduct Material–Manufacturing & Distribution **Program Code 22135**

Power Sources with Byproduct Material–Manufacturing & Distribution 6-20 Locations **Program Code 04114**

Power Sources with Byproduct Material–Manufacturing & Distribution More Than 20 Locations **Program Code 04115**

Power Sources with Byproduct Material–Manufacturing & Distribution licenses are issued for the manufacturing and distribution of byproduct material to generate heat or power that will be used for remote weather stations, space satellites, and other special applications.

10 CFR Citation: Part 30 Inspection Priority: T
Fee Category: 3B, 3B(1), 3B(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Power Sources with Special Nuclear Material–Manufacturing & Distribution, Less Than a Critical Mass **Program Code 22136**

Power Sources with Special Nuclear Material, less than a critical mass–Manufacturing & Distribution licenses are issued for the manufacturing and distribution of special nuclear material to generate heat or power that will be used for remote weather stations, space satellites, and other special applications.

10 CFR Citation: Part 70 Inspection Priority: T
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material Plutonium–Sealed Sources in Devices Less Than a Critical Mass **Program Code 22140**

Licenses for possession and use of special nuclear material of less than a critical mass, as defined in § 70.4 of this chapter, in sealed sources contained in devices used in industrial measuring systems, including x-ray fluorescence analyzers.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material Plutonium–Sealed Sources Less Than a Critical Mass **Program Code 22150**

Special Nuclear Material Plutonium–Sealed Sources Less Than a Critical Mass licenses are issued for the possession and use of small quantities of plutonium (less than 200 grams total) in sealed sources, for purposes such as biological and chemical testing and for calibration of instruments.

Note: Licensees paying annual fees under category 1.A., 1.B., and 1.E. are not subject to the annual fees for categories 1.C., 1.D., and 1.F. for sealed sources authorized in the license.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material, Uranium-235 and/or Uranium-233 Sealed Sources, Less Than a Critical Mass **Program Code 22151**

Special Nuclear Material, U-235 and/or U-233 Sealed Sources, Less Than a Critical Mass licenses are issued for the possession and use of small quantities of uranium (less than 350 grams of U-235 and/or less than 200 grams of U-233) in sealed sources for purposes such as biological and chemical testing and for calibration of instruments.

10 CFR Citation: Part 70 Inspection Priority: 5
Fee Category: 1D

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Critical Mass Material Other Than Fuel Cycle **Program Code 22155**

Critical Mass Material Other Than Fuel Cycle licenses are issued for the possession and use of special nuclear material in quantities sufficient to form a critical mass. Authorized activities include research, development, manufacturing, and testing of commercial products (i.e., border monitors, etc.) and other non-fuel-cycle activities. The license authorizes SNM in quantities greater than a critical mass as defined in 10 CFR 150.11 (greater than 350 grams of U-235 and/or greater than 200 grams of U-233 and/or greater than 200 grams of plutonium, or any combination thereof).

10 CFR Citation: Part 70.4 Inspection Priority: 3
Fee Category: 1F
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Pacemaker-Byproduct and/or Special Nuclear Material Medical Institution **Program Code 22160**

Pacemaker-Byproduct and/or Special Nuclear Material–Medical Institution licenses are issued to a medical facility for the surgical implantation of nuclear powered cardiac pacemakers and follow-up, recovery, and disposal of the pacemakers.

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when included on the same license.

10 CFR Citation: Parts 30 and 70 Inspection Priority: T
Fee Category: 7C
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Pacemaker-Byproduct and/or Special Nuclear Material–Individual **Program Code 22161**

Pacemaker-Byproduct and/or Special Nuclear Material–Individual licenses are issued to the recipient of a surgically implanted nuclear powered cardiac pacemaker. These licenses authorize the person, usually from a foreign country, to possess the pacemaker while in the United States.

10 CFR Citation: Parts 30 and 70 Inspection Priority: T
Fee Category: Not subject to 10 CFR 170 and 10 CFR 171 fees.

Pacemaker-Byproduct Manufacturing and Distribution **Program Code 22162**

Pacemaker-Byproduct Manufacturing and Distribution 6-20 Locations **Program Code 04116**

Pacemaker-Byproduct Manufacturing and Distribution More Than 20 Locations **Program Code 04117**

Pacemaker-Byproduct Material Manufacturing and Distribution licenses are issued for the manufacture of byproduct material-powered cardiac pacemakers and the distribution of these pacemakers to licensees authorized to receive them.

10 CFR Citation: Parts 30 Inspection Priority: 2
Fee Category: 3B, 3B(1), 3B(2)
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Special Nuclear Material, General License Distribution–70.39 Less Than Critical Mass **Program Code 22170**

Special Nuclear Material, General License Distribution licenses are issued to individuals for the initial distribution of calibration or reference sources containing plutonium to persons who have been issued a general license under 10 CFR 70.19. General licenses under 10 CFR 70.19 authorize the possession and use of plutonium in calibration or reference sources. A person may be a general licensee under this provision only if the person is already a specific licensee.

10 CFR Citation: Section 70.39 Inspection Priority: D
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Decommissioning of Other SNM Facilities–Less Than Critical Mass **Program Code 22200**

Decommissioning of Other SNM Facilities–Less Than Critical Mass licenses are issued for facilities not covered by other SNM program codes, that have notified NRC of their intent to terminate all or part of their activities involving special nuclear material and are authorized to decommission the facility(s). A plan may have been submitted for decontaminating the property and equipment so that it may be released for unrestricted use. This includes licensees performing decontamination, decommissioning, reclamation, or site restoration in order to release a facility. This program code is used only when the license specifically authorizes decommissioning or decontamination.

10 CFR Citation: Part 70 Inspection Priority: 2
Fee Category: 14A
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Fresh Fuel Storage at Reactor Sites **Program Code 23100**

Fresh Fuel Storage at Reactor Sites licenses are issued to commercial nuclear power reactors that have been granted a Construction Permit (CP) but not an Operating License (OL). These licenses authorize the storage of new unirradiated reactor fuel elements containing special nuclear material. Once a reactor has been granted an OL, this Part 70 materials license is terminated. (The OL includes authorization for possession of the fuel.)

10 CFR Citation: Part 70 Inspection Priority: 1/0
Fee Category: 1D
10 CFR 170.21 License Fee
10 CFR 171.16 Annual Fee

Interim Spent Fuel Storage **Program Code 23200**

Interim Spent Fuel Storage licenses are issued under 10 CFR Part 72 for possession of power reactor spent fuel and other radioactive materials associated with spent fuel storage, in an independent spent fuel storage installation. These licenses are issued for up to 20 years.

10 CFR Citation: Part 72 Inspection Priority: 1/0
Fee Category: 1B, 13A, 13B, or 13C
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

SNM Possession Only (Non-Fuel)–Permanent Shutdown **Program Code 23300**

SNM Possession Only (Non-Fuel)–Permanent Shutdown licenses authorize possession and/or storage of residual contamination or other special nuclear material in anticipation of removal of all licensed material and eventual termination of the license. This license is for licensees that have stated in writing that they have permanently ceased operations with no intent to restart. A formal request for license termination is not required at this time. Only packaging and shipping operations necessary to remove licensed materials from the site are authorized. No decontamination or other work involving the material is authorized. This category does not include storage of fresh reactor fuel or spent reactor fuel (see program codes 23100 and 23200). (Program codes that were used previous to this one should be used as secondary codes to ensure traceability of license types within WBL.)

10 CFR Citation: Parts 70 Inspection Priority: 2
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

SNM Standby (Non- Fuel)–No Operations **Program Code 23310**

SNM Standby (Non-Fuel)–No Operations licenses authorize possession and/or storage of SNM for licensees that are not conducting the principal activity for which the license was issued, but have not yet decided to cease operations permanently. Only packaging and shipping operations necessary to remove licensed material from the site are authorized. No decontamination or other work involving the material is authorized. This category does not include storage of fresh reactor fuel or spent reactor fuel (See program codes 23100 and

23200). (Program codes that were used previous to this one should be used as secondary codes to ensure traceability of license types within WBL.)

10 CFR Citation: Parts 70 Inspection Priority: 2
Fee Category: 1D
10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Transport-Private Carriage **Program Code 25110**

Transport-Private Carriage licenses are issued for the possession of byproduct, source, and special nuclear materials in packages authorized under Part 71, and in private carriage from a carrier's terminal to the licensee's facility, all within the United States.

10 CFR Citation: Parts 30, 40, and 70 Inspection Priority: N/A
Fee Category: 12
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee

Nexus to NRC SNM Order to NRC Agreement State licensee **Program Code 26000**

Under an Agreement authorized by the Atomic Energy Act, as amended (AEA), the NRC can relinquish and a State can assume, regulatory authority over radioactive material specified in an Agreement with NRC, such as over special nuclear material (SNM) less than a critical mass. An NRC SNM Order to an NRC Agreement State licensee is effective without further NRC order or proceedings when the NRC SNM Order Conditions are incorporated by the State into the State's license. An NRC SNM Order also enables the State to regulate SNM greater than a critical mass at the location of the State's license.

10 CFR Citation: Parts 70 Inspection Priority: N/A
Fee Category: 12
10 CFR 170.31 License and Inspection Fee
10 CFR 171.16 Annual Fee