

Program Code Descriptions Used In NRC Licensing and Inspection Programs

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PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

A five-digit program code number is assigned by the 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 Parts 30, 40 and 70, respectively, of Title 10 of the Code of Federal Regulations. A basic understanding of these regulations is a necessary prerequisite to the proper assignment of a program code to a particular activity or use. NRC uses about 100 program codes to classify the approximately 7500 active licenses. (See Table 2 for general information on license numbers.) Some of these program codes narrowly define an activity, such as radiography, while other program codes have a more extensive scope. More than one code may apply to a given license. However, the primary code indicates the licensee's principal use of material. Secondary code or codes may be used to indicate other significant uses.

"BROAD" 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 pursuant to 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 the NRC to make day-to-day decisions about the program.

Broad-Type B licenses are issued pursuant to 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 pursuant to 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.

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"OTHER" 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 Part 170.31 and 171.16. Multiple fee categories may apply for different activities performed under a single license. Public Law 101.508, the Omnibus Budget Reconciliation Act of 1990, requires that the Commission recover 100 percent of its budget authority, less appropriations from the Nuclear Waste Fund, for Fiscal Years 1991 through 1995 by assessing license and annual fees. In addition to continuing the licensing and inspection fees under 10 CFR Part 170 and annual fees under 10 CFR 171, the new rule established an annual fee for materials licensees and holders of certificates, registrations and approvals. The annual fees established by this rule are meant to recover the NRC's generic costs and other costs that are not recovered as identifiable services to specific licensees, but that are attributable to a given class of licensee. The fee categories listed in the following pages are a guide to which categories are most likely to occur. In order to determine if a fee exemption may apply, one must refer to 10 CFR 170.11 and 171.11. For multiple categories, they are arranged in order of decreasing likelihood. The License Fee and Debt Collection Branch, LFDCB, Office of the Controller determines fee categories 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 LFDCB.

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

Inspection priorities for materials licenses are described in detail in NRC Manual Chapter 2800 (MC 2800) and noted at the end of each program code description in this list. Although inspection program categories are not routinely used, they periodically appear in documents and are denoted here only for historical systems.

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Inspections are generally conducted as follows:

Initial inspection of licenses in categories with priorities 1 through 5 are conducted within six months after material is received and operations under the license have begun. Initial inspections of licenses in categories with priorities 6 and 7 are conducted within one year.

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

Priority 1 - yearly,
Priority 2 - every two years,
Priority 3 - every three years,
Priority 4 - every four years and
Priority 5 - every five years.
Priority 6 or 7 are inspected initially and thereafter normally only for resolution of problems.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Table 1

Program

<u>Code</u>	<u>Title</u>
01100	Academic Type A Broad
01110	Academic Type B Broad
01120	Academic Type C Broad
01200	Academic Other (Secondary Code)
02110	Medical Institution Broad
02120	Medical Institution Limited
02121	Medical Institution Custom
02200	Medical Private Practice - Limited
02201	Medical Private Practice - Custom
02209	Grandfathered In-Vivo General Medical Use
02210	Eye Applicators Strontium-90
02220	Mobile Nuclear Medicine Service
02230	High Dose Rate Remote Afterloader
02231	Mobile High Dose Rate Remote Afterloader
02300	Teletherapy
02400	Veterinary Non-Human
02410	In-Vitro Testing Laboratories
02500	Nuclear Pharmacies
02511	Medical Product Distribution - 32.72 - Prepared Radiopharmaceuticals
02512	Medical Product Distribution - 32.73 - Generators and Kits
02513	Medical Product Distribution - 32.74 - Sources and Devices
03110	Well Logging Byproduct and/or SNM Tracer and Sealed Sources
03111	Well Logging Byproduct and/or SNM Sealed Sources Only
03112	Well Logging Byproduct Only - Tracers Only
03113	Field Flooding Studies
03120	Measuring Systems Fixed Gauges
03121	Measuring Systems Portable Gauges
03122	Measuring Systems Analytical Instruments
03123	Measuring Systems Gas Chromatographs
03124	Measuring Systems Other
03211	Manufacturing and Distribution Type A Broad
03212	Manufacturing and Distribution Type B Broad
03213	Manufacturing and Distribution Type C Broad
03214	Manufacturing and Distribution Other
03218	Nuclear Laundry
03219	Decontamination Services
03220	Leak Test Service Only
03221	Instrument Calibration Service Only - Source Less Than 100 Curies
03222	Instrument Calibration Service Only - Source Greater Than 100 Curies
03223	Leak Test & Instr Calibration Service - Source Less Than 100 Curies

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Table 1 cont.

<u>Program Code</u>	<u>Title</u>
03224	Leak Test & Instr Calibration Service - Source Greater Than 100 Curies
03225	Other Services
03231	Waste Disposal (Burial)
03232	Waste Disposal Service Prepackaged Only
03233	Waste Disposal Service Incineration
03234	Waste Disposal Service Processing and/or Repackaging
03235	Incineration - Noncommercial (Secondary Code)
03240	General License Distribution - 32.51
03241	General License Distribution - 32.53
03242	General License Distribution - 32.57
03243	General License Distribution - 32.61
03244	General License Distribution - 32.71
03250	Exempt Distribution - 32.11 - Exempt Concentrations and Items
03251	Exempt Distribution - 32.14 - Certain Items
03252	Exempt Distribution - 32.17 - Resins
03253	Exempt Distribution - 32.18 - Small Quantities
03254	Exempt Distribution - 32.22 - Self Luminous Products
03255	Exempt Distribution - 32.26 - Smoke Detectors
03310	Industrial Radiography Fixed Location
03320	Industrial Radiography Temporary Job Sites
03510	Irradiators Self Shielded Less Than 10000 Curies
03511	Irradiators Other Less Than 10000 Curies
03520	Irradiators Self Shielded Greater Than 10000 Curies
03521	Irradiators Other Greater Than 10000 Curies
03610	Research and Development Type A Broad
03611	Research and Development Type B Broad
03612	Research and Development Type C Broad
03613	R & D Broad - Multisite-Multiregional
03620	Research and Development Other
03710	Civil Defense
03800	Byproduct Material Possession Only - No Operations Authorized
03900	Decommissioning of Byproduct Material Facilities
06100	Low Level Waste Storage at Reactor Sites
06101	Low Level Waste Storage - Other
11100	Mills
11200	Source Material Other Less Than 150 Kilograms
11210	Source Material Shielding
11220	Source Material Military Munitions - Indoor Testing
11221	Source Material Military Munitions - Outdoor Testing
11230	Source Material General License Distribution - 40.34
11300	Source Material Other Greater Than 150 Kilograms
11400	Uranium Hexafluoride (UF ₆) Production Plants
11500	Solution Mining (R & D and Commercial Facilities)
11600	Heap Leach, Ore Buying Stations and Byproduct Recovery

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Table 1 cont.

<u>Program Code</u>	<u>Title</u>
11700	Rare Earth Extraction and Processing
11800	Source Material Possession Only - No Operations Authorized
11900	Decommissioning of Source Material Facilities
21130	Hot Cell Operations
21135	Decommissioning of Advanced Fuel R & D and Pilot Plants
21200	Uranium Enrichment Plants
21210	Uranium Fuel Processing Plants
21215	Decommissioning of Uranium Fuel Processing Plants
21240	Uranium fuel R & D and Pilot Plants
21310	Critical Mass Material - Universities
21320	Critical Mass Material - Other Than Universities
21325	Decommissioning of Critical Mass - Other Than Fuel Fabrication
22110	SNM Plutonium - Unsealed Less Than a Critical Mass
22111	SNM U-235 and/or U-233 Unsealed Less Than a Critical Mass
22120	SNM Plutonium - Neutron Sources Less Than 200 Grams
22130	Power Sources With Byproduct and/or Special Nuclear Material
22140	SNM Plutonium - Sealed Sources in Devices
22150	SNM Plutonium - Sealed Sources Less Than a Critical Mass
22151	SNM U-235 and/or U-233 Sealed Sources Less Than a Critical Mass
22160	Pacemaker Byproduct and/or SNM - Medical Institution
22161	Pacemaker Byproduct and/or SNM - Individual
22162	Pacemaker Byproduct and/or SNM - Manufacturing and Distribution
22170	SNM General License Distribution (70.39)
22200	Decommissioning of Other SNM Facilities - Less Than Critical Mass
23100	Fresh Fuel Storage at Reactor Sites
23200	Interim Spent Fuel Storage
23300	SNM Possession Only - Other Than Reactor Fuel
25110	Transport - Private Carriage

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Table 2

Part 30 Licenses

A Part 30 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, which is the same 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
xx-xxxxx-xxMA	Medical Approval

Part 40 Licenses

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 which follows the three letter code is assigned chronologically.

i.e. SMC - xxx is a Part 40 license which 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.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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BYPRODUCT MATERIAL PROGRAM CODES

Byproduct materials are man-made radioactive materials (except special nuclear material) produced or made radioactive by exposure to the radiation incident to the process of producing or utilizing special nuclear materials such as in a nuclear reactor. Byproduct material does include activation products from nuclear reactors and from plutonium-beryllium neutron sources, but does not include activation products from other neutron sources such as californium-252 or accelerators. (See 10 CFR 30.4 and 40.4 for a definition of byproduct material.)

Academic Broad and Academic Other Licenses

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.

Academic Broad-Type A

Program Code 01100

Academic Broad-Type A licenses are issued to larger institutions where there is a diversity in the utilization 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 program code 02110 (Medical Institution Broad), with this program code as a secondary code. (See Regulatory Guides 10.5 and 10.8 for further explanation.)

10 CFR Citation: Part 33.13 Inspection Program Category: F1A
Priority: 2

Fee Category: Applicable to the Licensed Activity

10 CFR 170.31 License and Inspection Fee (exemption in \$170.11
may apply)

10 CFR 171.16 Annual Fee (exemption in \$171.11 may apply)

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Academic Broad-Type B

Program Code 01110

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

10 CFR Citation: Part 33.14 Inspection Program Category: F1B
Priority: 2

Fee Category: Applicable to the Licensed Activity

10 CFR 170.31 License and Inspection 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 licenses are issued for the possession and use of a limited number of radionuclides and in smaller quantities than Type B licenses. (See Part 33.100, Schedule A, Column II.)

10 CFR Citation: Part 33.1 Inspection Program Category: F1C
Priority: 5

Fee Category: Applicable to the Licensed Activity

10 CFR 170.31 License and Inspection Fee (exemption in §170.11
may apply)

10 CFR 171.11 Annual Fee (exemption in §171.11 may apply)

Academic Other

Program Code 01200

SECONDARY CODE ONLY

Academic Other licenses are more limited in scope than the Academic Broad licenses. Changes in the types and uses of radionuclides may necessitate the NRC's approval and issuance of amendments to the license. Typical uses include tracer studies in biology, chemistry and physics, the demonstration of equipment and gauges, irradiation of materials, carbon-14 dating, calibration of equipment and the identification of substances in compounds. This program code is used in conjunction with a primary program code which identifies the specific activity being conducted by the academic institution.

10 CFR Citation: Part 30.33 Inspection Program Category: N/A
Priority: N/A

Fee Category: Applicable to the Licensed Activity

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Medical Institution Broad & Medical Institution Other

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.) Separate licenses are issued to authorize teletherapy. These licensees are listed under program code 02300.

Medical Institution Broad

Program Code 02110

Medical Institution Broad licenses are issued to larger medical institutions for the possession and use of a wide range of radionuclides 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 have "hybrid broad" licenses. These licenses authorize routine clinical procedures using the Group medical licensing system and include a Broad-Type A, Broad-Type B or Broad-Type C authorization for research. These licenses should be assigned program code 02120 for the primary code and 03610, 03611 or 03612, as appropriate, for the secondary code.

10 CFR Citation: Parts 33.13-15 and 35

Inspection Program
Category: G1
Priority: 1

Fee Category: 7B

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Medical Institution Limited

Program Code 02120

Medical Institution Limited licenses, issued pursuant to 10 CFR 35.11, are granted to a hospital, a medical center or facility, or a clinic for the possession and use of radionuclides in well established diagnostic and therapeutic medical procedures. The types of use referenced on the license are the titles of sections 35.100, 35.200, 35.300, 35.400, 35.500, and 35.600 that describe both the type of material and its intended use.

10 CFR Citation: Part 35.11 Inspection Program Category: G
Priority: 2

Fee Category: 7C

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

Medical Institution Custom

Program Code 02121

Medical Institution Custom licenses are issued to a hospital, a medical center or similar facility, or a clinic for the possession and use of radionuclides for diagnostic and therapeutic procedures. The radionuclides are specified without referencing the subpart titles in 10 CFR Part 35. For example, a hospital could be authorized to use sodium iodide labeled with I-131 for diagnosis of thyroid function and treatment of hyperthyroidism, or to use an I-125 source in a Lixiscope for imaging.

10 CFR Citation: Part 35.11 Inspection Program Category: G2
Priority: 4

Fee Category: 7C

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

Medical Private Practice Licenses

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.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Medical Private Practice-Limited

Program Code 02200

Medical Private Practice-Limited licenses are issued to a physician or physicians for the possession and use of radionuclides for routine diagnostic and therapeutic clinical procedures in their private office(s). The types of use listed on this license are typically radiopharmaceutical therapy procedures that do not require hospitalization for radiation safety purposes.

10 CFR Citation: Parts 35.12, 14 and 100

Inspection Program
Category: G
Priority: 4

Fee Category: 7C

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Medical Private Practice-Custom

Program Code 02201

Medical Private Practice Custom licenses are issued to a physician or physicians for the possession and use of radionuclides for diagnostic and therapeutic procedures listed on the license without reference to Part 35 Subparts, in their private office(s). Several examples of use are referenced under program code 02121.

10 CFR Citation: Part 35.12

Inspection Program Category: G2
Priority: 4

Fee Category: 7C

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Grandfathered In-Vivo General Medical Use

Program Code 02209

These specific licenses were issued to persons who were using the general license in superseded 10 CFR 35.31. It authorized use of a few radionuclides for specified clinical procedures. No more licenses may be issued under this program code. These licenses cannot be amended or transferred, only renewed.

10 CFR Citation: Part 35.31

Inspection Program Category: G2
Priority: 4

Fee Category: 7C

10 CFR 170.11 (Fees not required for renewal or inspection)

(see also 51 FR 36935, October 16, 1986)

10 CFR 171.11 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Eye Applicators Sr-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.

10 CFR Citation: Parts 35.11 and 35.12

Inspection Program
Category: G2
Priority: 4

Fee Category: 7C

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

Mobile Nuclear Medicine Service

Program Code 02220

Mobile Nuclear Medicine Service 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. (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 or 02121 and a secondary program code of 02220.)

10 CFR Citation: Part 35.11, 35.29

Inspection Program
Category: G
Priority: 2

Fee Category: 7C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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High Dose Rate Remote Afterloader

Program Code 02230

High dose rate remote afterloader licenses authorize the use of large activity byproduct material sealed sources, typically ten curies of iridium-192, for cancer brachytherapy. These sources are connected to a wire and contained in a shielded device which feeds the source into the patient via a catheter. (If a medical institution or private practice possesses a high dose rate remote afterloader in addition to performing the routine diagnostic and therapeutic procedures referenced in 35.100, 35.200, 35.300, 35.400, and 35.500, the license should be assigned a primary program code of 02230 and a secondary program code of 02200, 02201, 02120, 02121, or 02500.)

10 CFR Citation: Part 35 Inspection Program Category: G2
Priority: 2

Fee Category: 7C

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

Mobile High Dose Rate Remote Afterloader

Program Code 02231

Mobile high dose rate remote afterloader licenses authorize the use of large activity byproduct material sealed sources, typically ten curies of iridium-192, which is transported to outlying small hospitals, nursing homes, etc. for cancer brachytherapy administration. These sources are connected to a wire and contained in a shielded device which 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 35.100, 35.200, 35.300, 35.400, and 35.500 at the permanent site, the license should be assigned a primary program code of 02231 and a secondary program code of 02120, 02121, or 02500.)

10 CFR Citation: Part 35 Inspection Program Category: G2
Priority: 2

Fee Category: 7C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Teletherapy

Program Code 02300

Teletherapy licenses authorize the use of Cobalt-60 or Cesium-137 for cancer external beam therapy. More than half of the teletherapy licensees also have a medical institution license. (See program codes 02110, 02120 and 02121.) Most of the licensees in this group also possess and use x-ray machines and radionuclides (such as radium) which are not under NRC's jurisdiction.

10 CFR Citation: Part 35.13

Inspection Program Category: G3
Priority: 1

Fee Category: 7A

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

Veterinary Non-Human

Program Code 02400

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 or any of the activities described above in program codes 02110, 02120 and 02121.

10 CFR Citation: Part 30

Inspection Program Category: G2
Priority: 5

Fee Category: 3P

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

In-Vitro Testing Laboratories

Program Code 02410

In-Vitro Testing Laboratory licenses are issued to individuals or facilities for the possession and use of radionuclides for performing In-Vitro analyses and are not included in larger programs covered by program codes 02110, 02120 or 02121.

10 CFR Citation: Part 30

Inspection Program Category: G2
Priority: 5

Fee Category: 3P

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Nuclear Pharmacies

Program Code 02500

Nuclear Pharmacy licenses are issued to nuclear pharmacies for the possession and 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.

10 CFR Citation: Parts 32.72 Inspection Program Category: G1
Priority: 1

Fee Category: 3C

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

Medical Product Distribution-32.72 Prepared Radiopharmaceuticals
Program Code 02511

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 Part 35.11 for the possession and medical use of byproduct material specified in Section 35.100, 35.200, or 35.300.

10 CFR Citation: Part 32.72 Inspection Program Category: B
Priority: 3

Fee Category: 3D or 3C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Medical Product Distribution-32.73 Generators and Kits

Program Code 02512

Medical Product Distribution licenses are issued to individuals or organizations for the distribution of generators or reagent kits for preparation of radiopharmaceuticals containing byproduct material to persons who have been issued a specific license under Part 35.14 for the possession and medical use of byproduct material specified in Part 35.200. "Medical approvals" authorize the distribution of reagent kits that do not contain byproduct material to the same category of licensees.

10 CFR Citation: Part 32.73

Inspection Program Category: B
Priority: Reagent Kit - 5
Mo/Tc Generators- 3

Fee Category: 3D or 3C

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Medical Product Distribution-32.74 Sources and Devices

Program Code 02513

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 Part 35.11 to use a calibration or reference source or for the possession and medical use of byproduct material specified in 10 CFR Parts 35.400 or 35.500.

10 CFR Citation: Part 32.74

Inspection Program Category: B
Priority: 3

Fee Category: 3D or 3C

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
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Well Logging Licenses

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.

Well Logging Byproduct and/or SNM Tracer and Sealed Sources
Program Code 03110

Well Logging Byproduct and/or Special Nuclear Material 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: Parts 39.11, 39.13

Inspection Program
Category: E
Priority: 3

Fee Category: 5A

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

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

Well Logging Byproduct and/or Special Nuclear Material 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: Parts 39.11,
39.13

Inspection Program Category: E
Priority: 3

Fee Category: 5A

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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: Parts 39.11, 39.13

Inspection Program
Category: E
Priority: 3

Fee Category: 5A

10 CFR 170.31 License and Inspection 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: Parts 39.11, 39.13

Inspection Program
Category: E
Priority: 3

Fee Category: 5B

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Measuring Systems

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.

Measuring Systems Fixed Gauges

Program Code 03120

Measuring System 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. The gauges contain sealed sources that radiate through the substance being measured to a readout or controlling device.

10 CFR Citation: Part 30.33

Inspection Program Category: K
Priority: 5

Fee Category: 3P

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Measuring Systems Portable Gauges

Program Code 03121

Measuring System 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 30.33 Inspection Program Category: E1
Priority: 4

Fee Category: 3P

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

Measuring Systems Analytical Instruments

Program Code 03122

Measuring System 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 30.33 Inspection Program Category: E2
Priority: 7

Fee Category: 3P

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

Measuring Systems Gas Chromatographs

Program Code 03123

Measuring System 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 30.33 Inspection Program Category: K
Priority: 7

Fee Category: 3P

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Measuring Systems Other

Program Code 03124

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). This program code is also being used for "storage-only" of byproduct, source and special nuclear material possessed under license.

10 CFR Citation: Part 30.33

Inspection Program Category: K
Priority: 7

Fee Category: 3P

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Manufacturing and Distribution

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 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 non-medical 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, a "E" or "G" suffix.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Manufacturing and Distribution Broad-Type A Program Code 03211

Manufacturing and Distribution Broad-Type A licenses are issued to larger organizations where there is often quite a diversity in the utilization 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: Part 33.13 Inspection Program Category: B
Priority: 1

Fee Category: 3A

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

Manufacturing and Distribution Broad-Type B Program Code 03212

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

10 CFR Citation: Part 33.14 Inspection Program Category: E
Priority: 3

Fee Category: 3A

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Manufacturing and Distribution Broad-Type C Program Code 03213

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 Type B licenses. (See Part 33.100, Schedule A, Column II. See also the introductory remarks and Broad-Type C description in 10 CFR Part 33.)

10 CFR Citation: Part 33.15 Inspection Program Category: E1C
Priority: 5

Fee Category: 3A

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

Manufacturing and Distribution Other Program Code 03214

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

10 CFR Citation: Part 30 Inspection Program Category: E
Priority: 3

Fee Category: 3B

10 CFR 170.31 License and Inspection 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 30.33 Inspection Program Category: E
Priority: 3

Fee Category: 6A

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Decontamination Services

Program Code 03219

Decontamination Service licenses authorize the cleaning and release of contaminated material, usually scrap metal, for unrestricted use.

10 CFR Citation: Part 30.33

Inspection Program Category: E
Priority: 2

Fee Category: 3N

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

Leak Test Service Only

Program Code 03220

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 pre-registered leak test kits. Many facilities own or lease equipment, such as gauges or industrial radiographic cameras, that contain 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.

10 CFR Citation: Part 30.33

Inspection Program Category: K
Priority: 7

Fee Category: 3P

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Instrument Calibration Service Only, Source Less Than 100 Curies
Program Code 03221

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 100 curies of radioactive material.

10 CFR Citation: Part 30.33 Inspection Program Category: K
Priority: 5

Fee Category: 3P

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

Instrument Calibration Service Only, Source Greater Than 100 Curies

Program Code 03222

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 and one or more sources has more than 100 curies of radioactive material.

10 CFR Citation: Part 30.33 Inspection Program Category: E
Priority: 3

Fee Category: 3P

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Leak Test and Instrument Calibration Service, Source Less Than
100 Curies

Program Code 03223

These Leak Test and Instrument Calibration Service licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for leak testing of sealed sources and for possession and use of sealed sources for instrument calibration. Each source must have less than 100 curies of radioactive material.

10 CFR Citation: Part 30.33 Inspection Program Category: K
Priority: 5

Fee Category: 3P

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

Leak Test and Instrument Calibration Service, Source Greater Than
100 Curies

Program Code 03224

These Leak Test and Instrument Calibration Service licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for leak testing of sealed sources and for possession and use of sealed sources for instrument calibration and one or more sources has more than 100 curies of radioactive material.

10 CFR Citation: Part 30.33 Inspection Program Category: E
Priority: 3

Fee Category: 3P

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Other Services

Program Code 03225

Other Service 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 03220-03224.

10 CFR Citation: Part 30.33

Inspection Program Category: K

Priority:

Soil & Water Analysis - 7

Teletherapy Repair - 4

Irradiators-Large Gauges - 4

Fee Category: 3N

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Waste Disposal Service

Waste disposal service licenses authorize the collection, transportation and storage of radioactive wastes. 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.

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. It is also used as a secondary code for organizations authorized to dispose of their own waste (non-commercial).

10 CFR Citation: Parts 27, 30 and 61

Inspection Program

Category: N/A

Priority: 1

Fee Category: 4A

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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 30.33

Inspection Program Category: D1
Priority: 2

Fee Category: 4C

10 CFR 170.31 License and Inspection 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: Parts 20.305
and 30.33

Inspection Program Category: D
Priority: 1

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 30.33

Inspection Program Category: D
Priority: 1

Fee Category: 4B

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Incineration, Non-Commercial
SECONDARY CODE ONLY

Program Code 03235

Incineration, Non-Commercial licenses are issued to organizations authorized to incinerate their own radioactive wastes, pursuant to 10 CFR 20.305.

10 CFR Citation: Part 20.305
and 30.33

Inspection Program Category: N/A
Priority: N/A

Fee Category: See Primary Code

General License Distribution

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: gauges, luminous aircraft safety devices, calibration and reference sources, ice detection devices and 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.

General License Distribution-32.51

Program Code 03240

General License Distribution 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 Part 31.5. (Licenses authorizing manufacture and distribution are described in program codes 03211-03214.) General licenses under Part 31.5 are issued to commercial and industrial firms and research, educational and medical institutions for possession of material in devices designed for detecting, measuring, gauging or controlling density, thickness, radiation leakage, chemical composition or for producing light or an ionized atmosphere.

10 CFR Citation: Part 32.51

Inspection Program Category: E
Priority: 4

Fee Category: 3J

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

General License Distribution-32.53

Program Code 03241

General License Distribution licenses are issued to organizations for the distribution of luminous aircraft safety devices to persons who may be general licensees under Part 31.7. General licenses under Part 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 of tritium or 300 millicuries of promethium-147.

10 CFR Citation: Part 32.53 Inspection Program Category: E
Priority: 4

Fee Category: 3J

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

General License Distribution-32.57

Program Code 03242

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

10 CFR Citation: Part 32.57 Inspection Program Category: E
Priority: 4

Fee Category: 3K

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

General License Distribution-32.61

Program Code 03243

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

10 CFR Citation: Part 32.61 Inspection Program Category: E
Priority: 5

Fee Category: 3J

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

General License Distribution-32.71

Program Code 03244

General License Distribution licenses are issued to organizations for the distribution of byproduct material to persons who may be general licensees under Part 31.11. General licenses under Part 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: Part 32.71 Inspection Program Category: E
Priority: 3
Fee Category: 3K

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

Exempt Distribution

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 30.14-30.20, inclusive. (Examples of exempt items are: watches, balances, locks, compasses, electron tubes, synthetic plastic resin for sand consolidation and smoke detectors.) The requirements for a license to distribute byproduct material to persons exempt from licensing are contained in 10 CFR Part 32. These licenses generally do not authorize possession and have an "E" suffix.

Exempt Distribution-32.11: Exempt Concentrations and Items

Program Code 03250

Exempt Distribution licenses authorize: (1) the transfer of byproduct material or a product containing byproduct material owned by or in the possession of the licensee; and (2) the transfer of ownership or possession of the material or product containing the byproduct material to persons exempt from the licensing requirements of Part 30.14. 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: Part 32.11 Inspection Program Category: E2
Priority: 5
Fee Category: 3I

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Exempt Distribution-32.14: Certain Items Program Code 03251

Exempt Distribution licenses authorize: (1) the transfer of certain products containing byproduct material, as specified in Part 30.15; or (2) the initial transfer for sale or distribution of products specified in Part 30.15 to persons exempt from licensing requirements.

10 CFR Citation: Part 32.14 Inspection Program Category: E
Priority: 5

Fee Category: 3I or 3H

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

Exempt Distribution-32.17: Resins Program Code 03252

Exempt Distribution licenses are issued for the initial transfer for sale or distribution of synthetic plastic resins containing scandium-46 and designed for sand consolidation in oil wells to persons exempt from the licensing requirements of 10 CFR 30.16.

10 CFR Citation: Part 32.17 Inspection Program Category: E
Priority: 5

Fee Category: 3I

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

Exempt Distribution-32.18: Small Quantities Program Code 03253

Exempt Distribution licenses are issued for the commercial distribution of small quantities of byproduct material to persons exempt from the licensing requirements of 10 CFR 30.18.

10 CFR Citation: Part 32.18 Inspection Program Category: E
Priority: 5

Fee Category: 3I

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Exempt Distribution-32.22: Self Luminous Products

Program Code 03254

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

10 CFR Citation: Part 32.22

Inspection Program Category: E
Priority: 5

Fee Category: 3H

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Exempt Distribution-32.26: Smoke Detectors

Program Code 03255

Exempt Distribution-32.26 licenses are issued for the initial transfer of gas and aerosol detectors containing byproduct material and designed to protect life or property from fire and airborne hazards to persons exempt from the licensing requirements of 10 CFR 30.20.

10 CFR Citation: Part 32.26

Inspection Program Category: E
Priority: 5

Fee Category: 3H

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Industrial Radiography

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 non-destructive examination of pipelines, weld joints, steel structures, boilers, aircraft and ship parts and other high stress alloy parts. The radio-isotopes most commonly used are cobalt-60 and iridium-192. Radiography can be conducted either in a permanent facility or at a temporary job site.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Industrial Radiography Fixed Location

Program Code 03310

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.

10 CFR Citation: Part 34.11 Inspection Program Category: C
Priority: 1

Fee Category: 30

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

Industrial Radiography Temporary Job Sites

Program Code 03320

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.

10 CFR Citation: Part 34.11 Inspection Program Category: C1
Priority: 1

Fee Category: 30

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

Irradiators

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 non-human medical and non-medical research conducted chiefly by universities, and industrial uses, such as the sterilization of medical products and drugs, and treating of hardwoods, plastics and semi-conductor 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.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Irradiators Self Shielded Less Than 10,000 Curies

Program Code 03510

These Irradiator 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 ten thousand curies. 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 30.33

Inspection Program Category: E
Priority: 3

Fee Category: 3E

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Irradiators Other Less Than 10,000 Curies

Program Code 03511

These Irradiator Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radio-activity is less than ten thousand curies. The device does not provide shielding from the radiation beam, so that additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30.33

Inspection Program Category: E
Priority: 3

Fee Category: 3F

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Irradiators Self Shielded Greater Than 10,000 Curies

Program Code 03520

These Irradiator Self Shielded licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is ten thousand curies 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 30.33

Inspection Program Category: E
Priority: 3

Fee Category: 3E

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Irradiators Other Greater Than 10,000 Curies*

Program Code 03521

These Irradiator Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is ten thousand curies or more. The device does not provide shielding from the radiation beam, so that additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30.33

Inspection Program Category: E3
Priority: 1

Fee Category: 3G

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

*Irradiators under construction are inspected as needed.

Research and Development

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 include training of students in the use of radioactive materials. 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.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Research and Development Broad-Type A

Program Code 03610

Research and Development Broad-Type A licenses are issued to larger organizations where there is a diversity in the utilization 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: Part 33.13

Inspection Program Category: E1A
Priority: 2

Fee Category: 3L

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

Research and Development Broad-Type B

Program Code 03611

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 Part 33.100, Schedule A, Column I. See also the introductory remarks and Broad-Type B description in 10 CFR Part 33.)

10 CFR Citation: Part 33.14

Inspection Program Category: E1B
Priority: 3

Fee Category: 3L

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Research and Development Broad-Type C

Program Code 03612

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 Part 33.100, Schedule A, Column II. See also the introductory remarks and Broad-Type C description in 10 CFR Part 33.)

10 CFR Citation: Part 33.15 Inspection Program Category: E1C
Priority: 5

Fee Category: 3L

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

Research and Development Broad-Multisite-Multiregional

Program Code 03613

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., the Department of the Air Force or the Department of the Navy. (See also the introductory remarks and R&D Broad-Type A Program Code 03610 description.)

10 CFR Citation: Part 33.12 Inspection Program Category: E1A
Priority: 1

Fee Category: 3L

10 CFR 170.31 License and Inspection Fee (Federal Agencies Exempt)
10 CFR 171.16 Annual Fee (Air Force and Navy Master Licenses a.k.a. Fee Category 17 under 171.)

Research and Development Other

Program Code 03620

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

10 CFR Citation: Part 30.33 Inspection Program Category: E
Priority: 4

Fee Category: 3M

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Civil Defense

Program Code 03710

Civil Defense licenses are issued for the possession and use of sealed sources for training individuals in civil defense activities, such as calibrating and demonstrating the use of radiation survey and monitoring equipment.

10 CFR Citation: Part 30.33

Inspection Program Category: K
Priority: 7

Fee Category: 8A

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Byproduct Material Possession Only

Program Code 03800

Byproduct Material Possession Only 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. A formal request for license termination is not required. 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, 06100 or 06101.)

10 CFR Citation: Part 30.32

Inspection Program Category: N/A
Priority: 3

Fee Category: 3P

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Decommissioning of Byproduct Material Facilities

Program Code 03900

For licensees that have notified the Commission of their intent to terminate all or part of their activities involving byproduct material and are authorized to decommission the facility(ies). 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 30.32 Inspection Program Category: N/A
Priority: 1

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

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

10 CFR Citation: Part 30 Inspection Program Category: See 1
Priority: See 1

Fee Category: 4A

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

Low-Level Waste Storage - Other
(Secondary Code)

Program Code 06101

License issued to allow onsite storage of low-level radioactive waste generated onsite.

10 CFR Citation: Part 30 Inspection Program Category: See 1
Priority: See 1

Fee Category: Applicable to the licensed activity

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

SOURCE MATERIAL PROGRAM CODES

Source materials are materials essential to the production of special nuclear materials. Source material includes: 1) uranium (and depleted uranium produced as enrichment tails) or thorium, or any combination thereof, in any physical or chemical form, or 2) 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 the use of uranium in subcritical assemblies. Priority sections denoted as 1/0 indicate inspections are done at least annually but the LTS system tracks "0".

Mills

Program Code 11100

Mill licenses are issued for the extraction of uranium from uranium ore. In milling operations, the ore is crushed, ground to a fine mesh, and chemically treated to extract the uranium and convert it to a form called yellowcake.

10 CFR Citation: Part 40 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 2A

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 one hundred and fifty kilograms of material.

10 CFR Citation: Part 40 Inspection Program Category: E
Priority: 3

Fee Category: 2C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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.

10 CFR Citation: Part 40

Inspection Program Category: E
Priority: 7

Fee Category: 2B

10 CFR 170.31 License and Inspection 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 Program Category: K
Priority: 5

Fee Category: 2C

10 CFR 170.31 License and Inspection 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 Program Category: K
Priority: 3

Fee Category: 2C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Source Material General License Distribution 40.34

Program Code 11230

Source Material General License Distribution licenses are issued to authorize the initial transfer of industrial products and devices containing depleted uranium, or to initially transfer such products or devices to persons who have been issued a general license under Part 40.25. (A general license under Part 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 40.34 Inspection Program Category: E
Priority: 5

Fee Category: 2C

10 CFR 170.31 License and Inspection 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 one hundred and fifty kilograms of material.

10 CFR Citation: Part 40.32 Inspection Program Category: E
Priority: 3

Fee Category: 2C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Uranium Hexafluoride Production Plants

Program Code 11400

Uranium Hexafluoride Production 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). There are only two commercial production facilities operating in the United States: Allied Chemical in Illinois and Sequoyah Fuels Corporation in Oklahoma.

10 CFR Citation: Part 40.32 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 2A

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

Solution Mining (R&D and Commercial Plants)

Program Code 11500

Solution Mining licenses are issued for the extraction of uranium from uranium ores. The only mining operation licensed by the NRC is solution mining, which is leaching of ore by injection of liquid chemicals into the geologic formation. (Conventional mining is not under the NRC jurisdiction.)

10 CFR Citation: Part 40.32 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 2A

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

Heap Leach, Ore Buying Stations and Byproduct Recovery

Program Code 11600

Heap Leach, Ore Buying Station 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 40.32 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 2A

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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) and licenses for processing and recovery of source material in in-situ or heap leaching operations (program code 11500).

10 CFR Citation: Part 40

Inspection Program Category: E
Priority: 3

Fee Category: 2A

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Source Material Possession Only Program Code 11800

Source Material Possession Only 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. 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. A formal request for license termination is not required.

10 CFR Citation: Part 40

Inspection Program Category: UFF
Priority: 3

Fee Category: 2A or 2C

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Decommissioning of Source Material Facilities

Program Code 11900

Facilities that have notified the Commission of their intent to terminate all or part of their activities involving source material and the license authorizes 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. Includes licenses which authorize performing decontamination, decommissioning, reclamation, or site restoration in order to release a facility.

10 CFR Citation: Part 40 Inspection Program Category: N/A
Priority: 1

Fee Category: 14

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

SPECIAL NUCLEAR MATERIAL PROGRAM CODES

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 inspections are done at least annually but LTS tracks "0".

Hot Cell Operations*

Program Code 21130

Hot Cell Operation 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 Program Category: UFF
Priority: 1/0

Fee Category: 1A

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

*Typically 3 inspections per year

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Decommissioning of Advanced Fuel R&D And Pilot Plants

Program Code 21135

A facility which 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 the Commission a plan and schedule for decontaminating the facilities, property, and equipment so that it may be released for unrestricted use. The program code is used only when the license authorizes the decommissioning/decontamination.

10 CFR Citation: Part 70

Inspection Program Category:UFF
Priority: 1/0

Fee Category: 14

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

Uranium Enrichment Plants*

Program Code 21200

Uranium Enrichment Plant 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 percent U-235, while plants whose product is for naval reactor propulsion enrich uranium to greater than 90 percent U-235.

10 CFR Citation:Parts 40, 70

Inspection Program Category: N/A
Priority: 1/0

Fee Category: 1E

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

*May have Resident Inspectors

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Uranium Fuel Fabrication Plants*

Program Code 21210

Uranium Fuel Fabrication Plants licenses are issued for the possession and use of special nuclear material for the purpose of fabricating uranium fuel elements. In most uranium facilities where light water reactor fuels are processed, 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. In other facilities, high-enriched uranium is processed into naval reactor fuel and fabricated into naval reactor cores or core components. Licenses are for possession and use of five kilograms or more of uranium-235 that has been enriched to less than twenty percent.

10 CFR Citation: Part 70 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 1A

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

*Typically 3 inspections per year

Decommissioning of Uranium Fuel Fabrication Plants

Program Code 21215

A facility which 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 the Commission 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 Program Category: UFF
Priority: 1/0

Fee Category: 14

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Uranium Fuel Research and Development and Pilot Plants

Program Code 21240

Uranium Fuel Research and Development and Pilot Plant 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 five kilograms or more of enriched uranium-235 in unsealed form, or two kilograms or more of uranium-233 in unsealed form.

10 CFR Citation: Part 70 Inspection Program Category: UFF
Priority: 1/0

Fee Category: 1A or 1D

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 Program Category: E1C
Priority: 5

Fee Category: 1A

10 CFR 170.11 License and Inspection Fee (exemption in §170.11 may apply to program code 21310)
10 CFR 171.11 Annual Fee (exemption in §171.16 may apply to program code 21310)

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Decommissioning of Critical Mass - Other Than Fuel Fab

Program Code 21325

A facility which 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 the Commission 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 Program Category: EIC
Priority:1

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, etc.

10 CFR Citation: Part 70 Inspection Program Category: A
Priority: 2

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, etc.

10 CFR Citation: Part 70 Inspection Program Category: A
Priority: 2

Fee Category: 1D

10 CFR 170.31 License and Inspection Fee

10 CFR 171.16 Annual Fee

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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 Program Category: E2
Priority: 5

Fee Category: 1D

10 CFR 170.31 License and Inspection 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 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 Program Category: K
Priority: 7

Fee Category: 3P, 3B or 1D

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

Special Nuclear Material Plutonium-Sealed Sources in Devices
Program Code 22140

Special Nuclear Material Plutonium-Sealed Sources in Devices licenses are issued for the possession and use of sealed sources containing special nuclear material installed in devices such as gauges.

10 CFR Citation: Part 70 Inspection Program Category: F
Priority: 5

Fee Category: 1C

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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, etc.

10 CFR Citation: Part 70 Inspection Program Category: F
Priority: 5

Fee Category: 1D

10 CFR 170.31 License and Inspection 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, etc.

10 CFR Citation: Part 70 Inspection Program Category: F
Priority: 5

Fee Category: 1D

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

Pacemaker-Byproduct Material and/or Special Nuclear Material

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.

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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.

10 CFR Citation: Parts 30 and 70 Inspection Program Category: K
Priority: 7

Fee Category: 7C

10 CFR 170.31 License and Inspection 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 Program Category: K
Priority:7

Fee Category: Not subject to 10 CFR 170 and 10 CFR 171 fees.

Pacemaker-Byproduct and/or Special Nuclear Material-Manufacturing
and Distribution Program Code 22162

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

10 CFR Citation: Parts 30 and 70 Inspection Program Category: B
Priority: 1

Fee Category: 1D or 3B

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

Special Nuclear Material, General License Distribution--70.39
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 Part 70.19. General licenses under Part 70.19 authorize the possession and use of plutonium in calibration or reference sources. A person may be a general licensee only if the person is already a specific licensee.

10 CFR Citation: Part 70.39 Inspection Program Category: B
Priority: 5

Fee Category: 1D

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

Decommissioning of Other SNM Facilities- Less than Critical Mass
Program Code 22200

Facilities not covered by other SNM program codes that have notified the Commission of their intent to terminate all or part of their activities involving special nuclear material and are authorized to decommission the facility(ies). 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. This program code is used only when the license specifically authorizes decommissioning or decontamination.

10 CFR Citation: Part 70 Inspection Program Category: N/A
Priority: 1

Fee Category: 14

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

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

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 Program Category: UFF
Priority: 1/0

Fee Category: 1D

10 CFR 170.21 License and Inspection Fee
10 CFR 171.16 Annual Fee

*Resident Inspectors audit more frequently

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 Program Category: UFF
Priority: 1/0

Fee Category: 1B, 13A, 13B, or 13C

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

*Resident Inspectors audit more frequently

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING
AND INSPECTION PROGRAMS

SNM Possession Only - Other Than Reactor Fuel

Program Code 23300

SNM Possession Only - Other Than Reactor Fuel licenses authorized 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. 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 category does not include storage of fresh reactor fuel or spent reactor fuel (see program codes 23100 and 23200).

10 CFR Citation: Part 70 Inspection Program Category: N/A
Priority: 3

Fee Category: 1D

10 CFR 170.31 License and Inspection 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 Program
Category: N/A
Priority: N/A

Fee Category: 12

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