[7590-01-P]

NUCLEAR REGULATORY COMMISSION

10 CFR Parts 170 and 171

[NRC-2017-0228; Docket No. PRM-171-1; NRC-2019-0084]

RIN 3150-AK10

Revision of Fee Schedules; Fee Recovery for Fiscal Year 2020

AGENCY: Nuclear Regulatory Commission.

ACTION: Final rule.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is amending the licensing, inspection, special project, and annual fees charged to its applicants and licensees. These amendments are necessary to implement the Omnibus Budget Reconciliation Act of 1990, as amended (OBRA-90), which requires the NRC to recover approximately 90 percent of its annual budget through fees less certain amounts excluded from this fee-recovery requirement. To mitigate the financial impact and economic disruption caused by the COVID-19 Pandemic, the NRC has suspended billing of annual fees and fees for services for the 90-day period of April through June 2020. Deferred fees will be billed in July 2020.

DATES: This final rule is effective on **[INSERT DATE 60 DAYS AFTER THE DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**.

ADDRESSES: Please refer to Docket ID NRC-2017-0228 when contacting the NRC about the availability of information for this action. You may obtain publicly-available information related to this action by any of the following methods:

- **Federal Rulemaking website:** Go to https://www.regulations.gov and

search for Docket ID **NRC-2017-0228**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individual listed in the FOR FURTHER INFORMATION CONTACT section of this final rule.

- **NRC's Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly-available documents online in the ADAMS Public Documents collection at http://www.nrc.gov/reading-rm/adams.html. To begin the search, select "Begin Web-based ADAMS Search." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov. The ADAMS accession number for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in this document. For the convenience of the reader, the ADAMS accession numbers and instructions about obtaining materials referenced in this document are provided in the "Availability of Documents" section of this document.

FOR FURTHER INFORMATION CONTACT: Anthony Rossi, Office of the Chief Financial Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone: 301-415-7341; e-mail: Anthony.Rossi@nrc.gov.

SUPPLEMENTARY INFORMATION:

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I. Background; Statutory Authority

The NRC's fee regulations are primarily governed by two laws: 1) the Independent Offices Appropriation Act, 1952 (IOAA) (31 U.S.C. 9701), and 2) OBRA-90 (42 U.S.C. 2214). The IOAA generally authorizes and encourages Federal regulatory agencies to recover—to the fullest extent possible—costs attributable to services provided to identifiable recipients. Under OBRA-90, the NRC must recover approximately 90 percent of its budget authority for the fiscal year through fees. In FY 2020, the following appropriated amounts are excluded from the fee-recovery requirement: the development of a regulatory infrastructure for advanced nuclear reactor technologies, international activities, generic homeland security activities, Waste Incidental to Reprocessing, and Inspector General services for the Defense Nuclear Facilities Safety Board. Under OBRA-90, the NRC must use its IOAA authority first to collect service fees for NRC work that provides specific benefits to identifiable applicants and licensees (such as licensing work, inspections, and special projects).

The NRC's regulations in part 170 of title 10 of the *Code of Federal Regulations* (10 CFR), "Fees for Facilities, Materials, Import and Export Licenses, and Other Regulatory Services Under the Atomic Energy Act of 1954, as amended," authorize the fees the agency is required to collect from specific beneficiaries. Because the NRC's fee recovery under the IOAA (10 CFR part 170) will not equal 90 percent of the agency's budget authority for the fiscal year, the NRC also assesses "annual fees" under 10 CFR part 171, "Annual Fees for Reactor Licenses and Fuel Cycle Licenses and

Materials Licenses, Including Holders of Certificates of Compliance, Registrations, and Quality Assurance Program Approvals and Government Agencies Licensed by the NRC," to recover the remaining amount necessary to meet OBRA-90's fee-recovery requirement.

II. Petition for Rulemaking: (PRM-171-1; NRC-2019-0084)

On February 28, 2019, the NRC received a petition for rulemaking (ADAMS Accession No. ML19081A015) from Dr. Michael D. Meier, on behalf of the Southern Nuclear Operating Company (the petitioner). The petitioner requested that the NRC revise its regulations in 10 CFR part 171 related to the start of the assessment of annual fees for combined license (COL) holders licensed under 10 CFR part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," to align with the commencement of "commercial operation" of a licensed nuclear power plant. Specifically, the petitioner requested that the NRC revise the timing of when annual fees commence for COL holders to coincide with when a reactor achieves "commercial operation," rather than when the NRC finds under § 52.103(g) that the acceptance criteria in the COL are met, after which the licensee can operate the facility. The NRC's regulations at § 171.15 currently require a 10 CFR part 52 COL holder to pay the annual fee upon the Commission's finding under § 52.103(g).

Public Comment on PRM-171-1

The NRC published a notice of docketing in the *Federal Register* (84 FR 26774; June 10, 2019), and requested public comment on the issues raised in PRM-171-1. The comment period closed on July 10, 2019. The NRC received five public comment

submissions; these comments are available on www.regulations.gov under the docket ID NRC-2019-0084. Comments were submitted by Nuclear Energy Institute (NEI), several industry stakeholders, and one non-government organization, and all comments supported the petitioner's request. The NRC has carefully considered the public comments received on PRM-171-1, and provides this summary and analysis of the issues raised by the commenters.

Comment: Two commenters recommended expanding the scope of the rulemaking to apply to reactors licensed under 10 CFR part 50 and small modular reactors with conforming changes to § 171.19(e)(1).

Response: The NRC agrees with this comment. A power reactor can submit an application under 10 CFR parts 50 and part 52; therefore, the NRC found it reasonable to apply this to change to both 10 CFR parts. Although this comment is beyond the scope of PRM-171-1, the NRC considered this subject in its rulemaking for annual fees under 10 CFR part 171 within the FY 2020 fee rule. The annual fee assessment for 10 CFR part 50 power reactor licensees and 10 CFR part 52 COL holders will begin on the date of the licensee's written notification of successful completion of power ascension testing. The NRC notes that 10 CFR part 50 includes non-power reactor licensees (e.g., test reactors, research reactors) that the commenters did not separately distinguish. The NRC will consider, expanding the scope of 10 CFR part 171 to cover other 10 CFR part 50 licensees in a future rulemaking.

Comment: One commenter stated that, "[t]his is a drop in the bucket of the overall costs associated with getting the plant online, but is a great first step in removing government from the equation and letting costs be determined by market forces. . . [licensees] could then be able to assess their costs and set prices with the thumb of government pressing less forcefully on the economic scales."

Response: The NRC disagrees with the commenter's suggestion that fees should be determined by market forces. The NRC is required by statute, OBRA-90, as amended, to recover 90 percent of its budget in fees assessed to licensees, less portions specifically excluded from fee recovery or granted as fee-relief. Starting in FY 2021, the Nuclear Energy Innovation and Modernization Act (NEIMA) will increase the amount of the budget to be recovered to 100 percent, less portions specifically excluded or determined by the Commission as fee-relief. To maintain the cohesiveness of NRC's fee schedules, the Commission has maintained appropriate policies to comply with statutory requirements. The Commission previously addressed this issue in the statement of considerations for the FY 2002 final fee rule (67 FR 42611; June 24, 2002) that "the NRC has not based its fees on licensees' economic status, market conditions, or the ability of licensees to pass through the costs to its customers." In keeping with the agency's independent, non-promotional regulatory role, the NRC's regulations deliberately are not tied to economic viability or profitability, nor has the NRC assessed fees based on these concepts.

No changes were made to the final rule as a result of these comments.

PRM-171-1 Consideration

The petitioner requested that the NRC consider this rule change within the context of its annual fee rulemaking to amend 10 CFR parts 170 and 171 to collect FY 2020 fees. The NRC published a notice in the *Federal Register* (84 FR 65032; November 26, 2019) that granted partial consideration by modifying the timing regarding the assessment of annual fees for 10 CFR part 52 COL holders in the FY 2020 fee rule.

Based on its review of PRM-171-1 and the public comments, the NRC is amending § 171.15(a) to modify the timing regarding the assessment of annual fees for

10 CFR part 52 COL holders. In addition, the NRC is amending the timing regarding the assessment of annual fees to apply to future 10 CFR part 50 power reactor licensees. See the FY 2020 Policy Changes section of this final rule for additional information on the amendment resulting from PRM-171-1.

III. Discussion

FY 2020 Fee Collection—Overview

The NRC is issuing this FY 2020 final fee rule based on Public Law (Pub. L.) 116-93—Further Consolidated Appropriations Act, 2020, (the enacted budget). The final fee rule reflects a budget authority in the amount of $855.6 million, a decrease of $55.4 million from FY 2019. As explained previously, certain portions of the NRC's total budget are excluded from OBRA-90's fee-recovery requirement. Based on the FY 2020 enacted budget, these exclusions total $46.6 million, consisting of $15.5 million for the development of a regulatory infrastructure for advanced nuclear reactor technologies; $14.5 million for international activities; $14.1 million for generic homeland security activities; $1.3 million for Waste Incidental to Reprocessing activities; and $1.2 million for Inspector General services for the Defense Nuclear Facilities Safety Board. Additionally, OBRA-90 requires the NRC to recover approximately 90 percent of the remaining budget authority for the fiscal year—10 percent of the remaining budget authority need not be recovered through fees. The NRC refers to the activities included in this 10-percent as "fee-relief" activities.

After accounting for the fee-recovery exclusions, the fee-relief activities, and net billing adjustments (i.e., the sum of unpaid current year invoices (estimated) minus payments for prior year invoices, and current year collections made for the termination of one operating power reactor), the NRC must recover approximately $728.1 million in

fees in FY 2020. Of this amount, the NRC estimates that $220.2 million will be recovered through 10 CFR part 170 service fees and approximately $507.9 million will be recovered through 10 CFR part 171 annual fees. Table I summarizes the fee-recovery amounts for the FY 2020 final fee rule using the enacted budget, and taking into account excluded activities, fee-relief activities, and net billing adjustments. For all information presented in the following tables, individual values may not sum to totals due to rounding. Please see the work papers (ADAMS Accession No. ML20142A363) for actual amounts.

Pub. L. 116-93—Further Consolidated Appropriations Act, 2020, also includes direction for the NRC to use $40.0 million in prior year unobligated carryover funds. The use of carryover funds allows the NRC to accomplish the work needed without additional costs to licensees because, consistent with the requirements of OBRA–90, fees are calculated based on the budget authority enacted for the current fiscal year and not carryover funds.

The Commission has authorized a suspension of billing of 10 CFR part 171 annual fees, and 10 CFR part 170 fees for services, for the 90-day period of April through June 2020. This action includes all annual fees that would have come due during the 90-day period and fees for services that would have been billed in April for services rendered January through March 2020. These deferred fees will be billed in July 2020. The NRC took this action to help mitigate the financial impacts and economic disruptions caused by the COVID-19 Pandemic.

TABLE I—BUDGET AND FEE RECOVERY AMOUNTS[1]

[Dollars in millions]

[1] For each table, numbers may not add due to rounding.

	FY 2019 Final Rule	FY 2020 Final Rule
Total Budget Authority	$911.0	$855.6
Less Excluded Fee Items	-43.4	-46.6
Balance	867.6	808.9
Fee Recovery Percent	90	90
Total Amount to be Recovered:	780.8	728.1
Less Estimated Amount to be Recovered through 10 CFR Part 170 Fees	-252.1	-220.2
Estimated Amount to be Recovered through 10 CFR Part 171 Fees	528.7	507.9
10 CFR Part 171 Billing Adjustments:		
Unpaid Current Year Invoices (estimated)	4.5	4.5
Less Current Year Collections from a Terminated Reactor – Indian Point Nuclear Generating, Unit 2	0.0	-2.7
Less Payments Received in Current Year for Previous Year Invoices (estimated)	-2.8	-1.7
Adjusted 10 CFR Part 171 Annual Fee Collections Required	$530.5	$507.9

FY 2020 Fee Collection—Professional Hourly Rate

The NRC uses a professional hourly rate to assess fees under 10 CFR part 170 for specific services it provides. The professional hourly rate also helps determine flat fees (which are used for the review of certain types of license applications). This rate would be applicable to all activities for which fees are assessed under §§ 170.21 and 170.31.

The NRC's professional hourly rate is derived by adding budgeted resources for: 1) mission-direct program salaries and benefits, 2) mission-indirect program support, and 3) agency support (corporate support and the Inspector General). The NRC then subtracts certain offsetting receipts and divides this total by the mission-direct full-time equivalent (FTE) converted to hours (the mission-direct FTE converted to hours is the

product of the mission-direct FTE multiplied by the estimated annual mission-direct FTE productive hours). The only budgeted resources excluded from the professional hourly rate are those for mission-direct contract resources, which are generally billed to licensees separately. The following shows the professional hourly rate calculation:

$$\text{Professional Hourly Rate} = \frac{\text{Budgeted Resources}}{\text{Mission-Direct FTE Converted to Hours}} = \frac{\$716.9 \text{ million}}{1{,}701 \times 1{,}510} = \$279$$

For FY 2020, the NRC is increasing the professional hourly rate from $278 to $279. The FY 2019 professional hourly rate was $278, as discussed in the statement of considerations for both the FY 2019 proposed and final fee rules. During the development of the FY 2020 proposed fee rule, the NRC staff identified that the amendatory language for 10 CFR 170.20, “Average cost per professional staff-hour,” inadvertently was not updated in FY 2019 to reflect the professional hourly rate of $278, which is why the regulatory language in this final rule continues to show the FY 2018 professional hourly rate of $275. The NRC has updated the statement of considerations for the FY 2020 fee rule and the amendatory language to reflect the proposed FY 2020 professional hourly rate of $279.

The slight increase in the FY 2020 professional hourly rate is primarily due to the anticipated decline in number of mission-direct FTE compared to FY 2019. The hourly rate is inversely related to the mission-direct FTE amount, therefore as the number of mission-direct FTE decrease the hourly rate can increase. The number of mission-direct FTE is expected to decline by 109, primarily due to: 1) the anticipated completion of the NuScale small modular reactor (SMR) design certification review; 2) a reduction in workload associated with the Clinch River Nuclear Site (Clinch River) early site permit; 3) the power reactor plant closures of Oyster Creek Nuclear Generating Station (Oyster

Creek), Pilgrim Nuclear Power Station (Pilgrim), Three Mile Island (TMI) Nuclear Generating Station, Unit 1 (TMI 1); 4) the expected decline in submissions for fuel facility license renewal applications; 5) the decrease in the number of fuel facility license amendments; 6) the termination of the Mixed-Oxide (MOX) Fuel Fabrication Facility construction authorization; and 7) efficiencies gained within the fuel facilities inspection program. The FY 2020 estimate for annual mission-direct FTE productive hours is 1,510 hours, which is unchanged from FY 2019. This estimate, also referred to as the productive hours assumption, reflects the average number of hours that a mission-direct employee spends on mission-direct work in a given year. This estimate therefore excludes hours charged to annual leave, sick leave, holidays, training, and general administrative tasks. Table II shows the professional hourly rate calculation methodology. The FY 2019 amounts are provided for comparison purposes.

TABLE II—PROFESSIONAL HOURLY RATE CALCULATION

[Dollars in millions, except as noted]

	FY 2019 Final Rule	FY 2020 Final Rule
Mission-Direct Program Salaries & Benefits	$334.7	$314.6
Mission-Indirect Program Support	$120.6	$110.8
Agency Support (Corporate Support and the IG)	$304.5	$291.5
Subtotal	$759.8	$716.9
Less Offsetting Receipts[2]	$0.0	$0.0
Total Budgeted Resources Included in Professional Hourly Rate	$759.8	$716.9
Mission-Direct FTE (Whole numbers)	1,810	1,701

[2] The fees collected by the NRC for Freedom of Information Act (FOIA) services and indemnity fees (financial protection required of all licensees for public liability claims at 10 CFR part 140) are subtracted from the budgeted resources amount when calculating the 10 CFR part 170 professional hourly rate, per the guidance in the Office of Management and Budget (OMB) Circular A-25, *User Charges.* The budgeted resources for FOIA activities are allocated under the product for Information Services within the Corporate Support business line. The budgeted resources for indemnity activities are allocated under the Licensing Actions and Research and Test Reactors products within the Operating Reactors business line.

Annual Mission-Direct FTE Productive Hours (Whole numbers)	1,510	1,510
Mission-Direct FTE Converted to Hours (Mission-Direct FTE multiplied by Annual Mission-Direct FTE Productive Hours) (In Millions)	2,733,100	2,568,510
Professional Hourly Rate (Total Budgeted Resources Included in Professional Hourly Rate Divided by Mission-Direct FTE Converted to Hours) (Whole Numbers)	$278	$279

FY 2020 Fee Collection—Flat Application Fee Changes

The NRC is amending the flat application fees it charges in its schedule of fees in §§ 170.21 and 170.31 to reflect the revised professional hourly rate of $279. The NRC charges these fees to applicants for materials licenses and other regulatory services, as well as holders of materials licenses. The NRC calculates these flat fees by multiplying the average professional staff hours needed to process the licensing actions by the professional hourly rate for FY 2020. As part of its calculations, the NRC analyzes the actual hours spent performing licensing actions and estimates the five-year average professional staff hours that are needed to process licensing actions as part of its biennial review of fees, which is required by Section 205(a) of the Chief Financial Officers Act of 1990 (31 U.S.C. 902(a)(8)). The NRC performed this review in FY 2019 and will perform this review again in FY 2021. The higher professional hourly rate of $279 is the primary reason for the increase in application fees. Please see the work papers for more detail.

The NRC rounds these flat fees in such a way that ensures both convenience for its stakeholders and that any rounding effects are minimal. Accordingly, fees under $1,000 are rounded to the nearest $10, fees between $1,000 and $100,000 are rounded to the nearest $100, and fees greater than $100,000 are rounded to the nearest $1,000.

The licensing flat fees are applicable for certain materials licensing actions (see fee categories 1.C. through 1.D., 2.B. through 2.F., 3.A. through 3.S., 4.B. through 5.A., 6.A. through 9.D., 10.B., 15.A. through 15.L., 15.R., and 16 of § 170.31). Because the enacted budget excludes international activities from the fee-recoverable budget, import and exporting licensing activities, funded through the international activities product line (see fee categories K.1. through K.5. of § 170.21 and fee categories 15.A. through 15.R. of § 170.31) will not be charged flat fees under this final rule. Applications filed on or after the effective date of the FY 2020 final fee rule will be subject to the revised fees in this final rule.

FY 2020 Fee Collection—Fee-Relief and Low-Level Waste Surcharge

As previously noted, OBRA-90 requires the NRC to recover approximately 90 percent of its annual budget authority for the fiscal year. The NRC applies the remaining 10 percent that is not recovered to offset certain budgeted activities—see Table III for a full listing of these "fee-relief" activities. If the amount budgeted for these fee-relief activities is greater or less than 10 percent of the NRC's annual budget authority (less the fee-recovery exclusions), then the NRC applies a fee adjustment (either an increase or decrease) to all licensees' annual fees, based on the percentage of the NRC's budgeted resources allocated to each fee class.

In FY 2020, the amount budgeted for fee-relief activities is less than the 10 percent threshold. Therefore, the NRC is assessing a fee-relief credit that decreases all licensees' annual fees. Table III summarizes the fee-relief activities budgeted for FY 2020. The FY 2019 amounts are provided for comparison purposes.

TABLE III—FEE-RELIEF ACTIVITIES

[Dollars in millions]

Fee-Relief Activities	FY 2019 Budgeted Resources Final Rule	FY 2020 Budgeted Resources Final Rule
1. Activities not attributable to an existing NRC licensee or class of licensees:		
a. Agreement State oversight	$11.5	$11.9
b. Scholarships and Fellowships	15.0	16.0
c. Medical Isotope Production Infrastructure	5.4	3.1
2. Activities not assessed under 10 CFR part 170 service fees or 10 CFR part 171 annual fees based on existing law or Commission policy:		
a. Fee exemption for nonprofit educational institutions	9.1	9.0
b. Costs not recovered from small entities under 10 CFR 171.16(c)	8.0	7.6
c. Regulatory support to Agreement States	14.7	12.2
d. Generic decommissioning/reclamation (not related to the power reactor and spent fuel storage fee classes)	12.9	12.0
e. Uranium recovery program and unregistered general licensees	7.2	5.2
f. Potential Department of Defense remediation program Memorandum of Understanding activities	2.1	1.7
g. Non-military radium sites	1.1	0.8
Total fee-relief activities	87.0	79.6
Less 10 percent of the NRC's total FY budget (less the fee recovery exclusions)	-86.8	-80.9
Fee-Relief Adjustment to be Allocated to All Licensees' Annual Fees	$0.3	-1.3

Table IV shows how the NRC allocates the $1.3 million fee-relief credit to each licensee fee class. In addition to the fee-relief credit, the NRC assesses a generic low-level waste (LLW) surcharge of $3.4 million. Disposal of LLW occurs at commercially operated LLW disposal facilities that are licensed by either the NRC or an Agreement

State. Four existing LLW disposal facilities in the United States accept various types of LLW. All are located in Agreement States and, therefore, are regulated by an Agreement State, rather than the NRC. The NRC allocates this surcharge to its licensees based on data available in the U.S. Department of Energy's (DOE) Manifest Information Management System (MIMS). This database contains information on total LLW volumes disposed by four generator classes: academic, industrial, medical, and utility. The ratio of waste volumes disposed by these generator classes to total LLW volumes disposed over a period of time is used to estimate the portion of this surcharge that will be allocated to the power reactors, fuel facilities, and materials fee classes. The materials portion is adjusted to account for the large percentage of materials licensees that are licensed by the Agreement States rather than the NRC.

The LLW surcharge amounts have changed since publication of the proposed rule. The DOE updated MIMS with 2020 data; as a result of the update, the LLW surcharge for operating power reactors fee class increased from $2.8 million to $3.0 million and the LLW surcharge decreased from $0.4 million to $0.3 million for fuel facilities; while the LLW surcharge remained stable at $0.1 million for materials users.

Table IV shows the LLW surcharge and fee-relief credit and allocation across the various fee classes.

TABLE IV—ALLOCATION OF FEE-RELIEF ADJUSTMENT AND LLW SURCHARGE FY 2020

[Dollars in millions]

	LLW Surcharge		Fee-Relief Adjustment		Total
	Percent	$	Percent	$	$
Operating Power Reactors	87.4	2.997	86.4	-1.152	1.845
Spent Fuel Storage/Reactor Decommissioning	0.0	0.000	5.4	-0.071	-0.071
Research and Test Reactors	0.0	0.000	0.5	-0.006	-0.006
Fuel Facilities	10.0	0.343	3.4	-0.045	0.298

Materials Users	2.6	0.089	3.8	-0.051	0.039
Transportation	0.0	0.000	0.5	-0.007	-0.007
Rare Earth Facilities	0.0	0.000	0.0	0.0	0.0
Uranium Recovery	0.0	0.000	0.1	-0.001	-0.001
Total	100.0	3.430	100.0	-1.334	2.096

FY 2020 Fee Collection—Revised Annual Fees

In accordance with SECY-05-0164, "Annual Fee Calculation Method" (ADAMS Accession No. ML052580332), the NRC rebaselines its annual fees every year. "Rebaselining" entails analyzing the budget in detail and then allocating the budgeted costs to various classes or subclasses of licensees. It also includes updating the number of NRC licensees in its fee calculation methodology.

The NRC revised its annual fees in §§ 171.15 and 171.16 to recover approximately 90 percent of the NRC's FY 2020 enacted budget (less the fee-recovery exclusions and the estimated amount to be recovered through 10 CFR part 170 fees). The total estimated 10 CFR part 170 collections for this final rule are $220.2 million, a decrease of $31.9 million from the FY 2019 final rule (see the specific fee class sections for a discussion of this decrease). The NRC, therefore, must recover $507.9 million through annual fees from its licensees, which is a decrease of $22.6 million from the FY 2019 final rule.

Table V shows the final rebaselined fees for FY 2020 for a representative list of licensee categories. The FY 2019 amounts are provided for comparison purposes.

TABLE V—REBASELINED ANNUAL FEES

[Actual dollars]

Class/Category of Licenses	FY 2019 Final Annual Fee	FY 2020 Final Annual Fee

Operating Power Reactors	$4,669,000	$4,621,000
+ Spent Fuel Storage/Reactor Decommissioning	152,000	188,000
Total, Combined Fee	$4,821,000	$4,809,000
Spent Fuel Storage/Reactor Decommissioning	152,000	188,000
Research and Test Reactors (Non-power Reactors)	82,400	81,300
High Enriched Uranium Fuel Facility (Category 1.A.(1)(a))	$6,675,000	$5,067,000
Low Enriched Uranium Fuel Facility (Category 1.A.(1)(b))	$2,262,000	$1,717,000
Uranium Enrichment (Category 1.E)	3,513,000	2,208,000
UF_6 Conversion and Deconversion Facility (Category 2.A.(1)	$1,417,000	$510,000
Basic *In Situ* Recovery Facilities (Category 2.A.(2)(b))	$49,200	$49,200
Typical Users:		
Radiographers (Category 3O)	$30,200	$29,900
All Other Specific Byproduct Material Licensees (Category 3P)	$10,000	$9,700
Medical Other (Category 7C)	$15,300	$14,800
Device/Product Safety Evaluation - Broad (Category 9A)	$14,300	$13,800

The work papers that support this final rule show in detail how the NRC allocates the budgeted resources for each class of licensees and calculates the fees.

Paragraphs a. through h. of this section describe the budgeted resources allocated to each class of licensees and the calculations of the rebaselined fees. For more information about detailed fee calculations for each class, please consult the accompanying work papers for this final rule.

a. Operating Power Reactors

The NRC will collect $439.0 million in annual fees from the operating power reactors fee class in FY 2020, as shown in Table VI. The FY 2019 fees are shown for comparison purposes.

TABLE VI—ANNUAL FEE SUMMARY CALCULATIONS FOR OPERATING POWER REACTORS

[Dollars in millions]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources	$670.2	$623.9
Less estimated 10 CFR part 170 receipts	-217.7	-186.7
Net 10 CFR part 171 resources	452.5	437.2
Allocated generic transportation	0.2	0.2
Fee-relief adjustment/LLW surcharge	3.4	1.9
Billing adjustment	1.5	2.4
Adjustment: Estimated current year collections from terminated reactor (Indian Point Unit 2)	0.0	-2.7
Total required annual fee recovery	457.6	439.0
Total operating reactors	98	95
Annual fee per reactor	$4.669	$4.621

In comparison to FY 2019, the resources budgeted for the operating power reactors fee class decreased by $46.3 million due to a decline in FTE that includes, but is not limited to, the following: 1) the closures of Oyster Creek, Pilgrim, and TMI 1; 2) the delay in receipt of the Utah Associated Municipal Power System SMR application; 3) withdrawal of the Blue Castle large light-water reactor application; 4) delay in the submittal of the Advanced Passive 1000 design certification renewal application; 5) the near completion of Phase 4 of the NuScale SMR design certification review; 6) the completion of the Clinch River early site permit technical review; 7) a reduction in license amendment requests for the Vogtle Electric Generating Plant; 8) expected delays in

construction and operating license application review activities for Bellefonte Nuclear Station, Units 1 and 2; 9) efficiencies gained from the merger of the Office of Nuclear Reactor Regulation and the Office of New Reactors; and 10) the completion of flooding and integrated assessment work related to lessons learned from the accident at Fukushima Dai-ichi in Japan. In addition, the total budgeted resources decreased due to the utilization of prior year unobligated carryover funding.

The 10 CFR part 170 estimated billings declined primarily due to the following: 1) decreases in both licensing actions and inspections resulting from the shutdown of the Pilgrim and TMI 1 reactors at the end of FY 2019; 2) the shutdown of Indian Point Nuclear Generating, Unit 2 (Indian Point 2) during FY 2020; 3) the completion of the Advanced Power Reactor-1400 design certification, issued in FY 2019 for Korea Hydro and Nuclear Power Co., LTD.; and 4) the completion of the NuScale SMR design certification review and the completion of the Clinch River early site permit technical review. This decrease in the 10 CFR part 170 estimated billings is partially offset by increased work to support the Oklo Power LLC COL application for the Aurora micro reactor.

The recoverable budgeted costs are divided equally among the 95 licensed operating power reactors, resulting in an annual fee of $4,621,000 per reactor. As part of the final annual fee, an approximate $2,725,000 current year collection adjustment was included in the operating power reactors calculation due to the shutdown of Indian Point 2 as shown in Table VI. Additionally, each licensed operating power reactor is assessed the FY 2020 spent fuel storage/reactor decommissioning annual fee of $188,000 (see Table VII and the discussion that follows). The combined FY 2020 annual fee for each operating power reactor is $4,809,000.

In FY 2016, the NRC amended its licensing, inspection, and annual fee regulations to establish a variable annual fee structure for light-water SMRs

(81 FR 32617). Under the variable annual fee structure, an SMR's annual fee would be calculated as a function of its licensed thermal power rating. Currently, there are no operating SMRs; therefore, the NRC will not assess an annual fee in FY 2020 for this type of licensee.

b. Spent Fuel Storage/Reactor Decommissioning

The NRC will collect $22.9 million in annual fees from 10 CFR part 50 power reactors, and from 10 CFR part 72 licensees that do not hold a 10 CFR part 50 license, to recover the budgeted costs for the spent fuel storage/reactor decommissioning fee class, as shown in Table VII. The FY 2019 fees are shown for comparison purposes.

TABLE VII—ANNUAL FEE SUMMARY CALCULATIONS FOR SPENT FUEL STORAGE/REACTOR DECOMMISSIONING

[Dollars in millions]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources	$35.6	$37.9
Less estimated 10 CFR part 170 receipts	-17.8	-15.9
Net 10 CFR part 171 resources	17.8	22.1
Allocated generic transportation costs	0.7	0.8
Fee-relief adjustment	0.0	-0.1
Billing adjustments	0.1	0.1
Total required annual fee recovery	18.6	22.9
Total spent fuel storage facilities	122	122
Annual fee per facility	$0.152	$0.188

In comparison to FY 2019, the resources budgeted for the spent fuel storage/reactor decommissioning fee class increased to support the following: 1) the review of new storage license renewal applications for Holtec HI-Storm 100, TN-32, TN-68, NAC UMS, NAC-MPC, Westinghouse W-150, and GE-Hitachi Morris Operation,

which are expected in FY 2020; 2) inspection activities related to site preparation for decommissioning of TMI 1, Pilgrim, Oyster Creek, and Indian Point; and 3) fuel performance research. In addition, budgeted resources for contract costs increased due to a reduction in the utilization of prior year unobligated carryover funding compared to FY 2019.

The 10 CFR part 170 estimated billings for FY 2020 decreased primarily due to the following: 1) the completion of certain follow-up inspections and enforcement activities for San Onofre Nuclear Generating Station; 2) a reduction in the staff's review of the Holtec HI-STORE consolidated interim storage facility application due to the extension of the public comment period on the draft environmental impact statement until the end of July; 3) the completion of the Oyster Creek license transfer application and other licensing activities; and 4) the completion of amendments, partial site release requests, and final status surveys at multiple sites. This decrease in the 10 CFR part 170 estimated billings is partially offset by increased work to support the following: 1) license renewals, amendments, and certificates of compliance (CoCs) at multiple sites, and 2) the staff's review of the Indian Point 1 and TMI 2 license transfer applications. The overall decrease in 10 CFR part 170 estimated billings resulted in an increase in annual fees under 10 CFR part 171.

In addition, the annual fee increased due to the rise in generic transportation costs as a result of two new CoCs in FY 2020.

The required annual fee recovery amount is divided equally among 122 licensees, resulting in an FY 2020 annual fee of $188,000 per licensee.

c. Fuel Facilities

The NRC will collect $18.0 million in annual fees from the fuel facilities fee class, as shown in Table VIII. The FY 2019 fees are shown for comparison purposes.

TABLE VIII—ANNUAL FEE SUMMARY CALCULATIONS FOR FUEL FACILITIES

[Dollars in millions]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources	$30.0	$23.2
Less estimated 10 CFR part 170 receipts	-7.3	-6.8
Net 10 CFR part 171 resources	22.7	16.5
Allocated generic transportation	1.2	1.1
Fee-relief adjustment/LLW surcharge	0.5	0.3
Billing adjustments	0.1	0.1
Total remaining required annual fee recovery	$24.5	$18.0

In comparison to FY 2019, the resources budgeted for the fuel facilities fee class decreased primarily due to the following: 1) an expected decline in submissions for license renewal applications; 2) the decrease in the number of license amendments; 3) the termination of the MOX Fuel Fabrication Facility construction authorization; 4) efficiencies gained because of changes to the Fuel Facilities Inspection Program and workload projections; and 5) the utilization of prior year unobligated carryover funding in FY 2020. The 10 CFR part 170 estimated billings decreased as a result of the withdrawal of the license application for the MOX Fuel Fabrication Facility.

The NRC will continue allocating annual fees to individual fuel facility licensees based on the effort/fee determination matrix developed in the FY 1999 final fee rule (64 FR 31447; June 10, 1999). To briefly recap, the matrix groups licensees within this fee class into various fee categories. The matrix lists processes conducted at licensed sites and assigns effort factors for the safety and safeguards activities associated with each process (these effort levels are reflected in Table IX). The annual fees are then distributed across the fee class based on the regulatory effort assigned by the matrix. The effort factors in the matrix represent regulatory effort that is not recovered through

10 CFR part 170 fees (e.g., rulemaking, guidance). Regulatory effort for activities that are subject to 10 CFR part 170 fees, such as the number of inspections, is not applicable to the effort factor. In FY 2020, the safety and safeguard factors in the effort factors matrix for Liquid Uranium Hexafluoride (UF6) processes at Uranium Conversion facilities have been reduced from 5 (moderate effort) to 0 (no effort). Currently, there is one uranium conversion facility and it is in a "ready-idle" status with no processing operations, and the NRC believes that it will remain in "ready-idle" position for FY 2020 and will need to be reassessed on an annual basis. Regulatory oversight of processing operations have been curtailed while the operations are in a "ready-idle" status. Therefore, the Liquid UF6 processing at Uranium Conversion facilities safety and safeguards factors in the effort factors matrix have been reduced from a 5 to 0 to reflect the curtailed regulatory oversight of these processes.

TABLE IX—EFFORT FACTORS FOR FUEL FACILITIES, FY 2020

Facility Type (fee category)	Number of Facilities	Effort Factors	
		Safety	Safeguards
High-Enriched Uranium Fuel (1.A.(1)(a))	2	88	91
Low-Enriched Uranium Fuel (1.A.(1)(b))	3	70	21
Limited Operations (1.A.(2)(a))	0	0	0
Gas Centrifuge Enrichment Demonstration (1.A.(2)(b))	0	0	0
Hot Cell (and others) (1.A.(2)(c))	0	0	0
Uranium Enrichment (1.E.)	1	16	23
UF_6 Conversion and Deconversion (2.A.(1))	1	7	2

In FY 2020, the total remaining amount of annual fees to be recovered, $18.0 million, is comprised of safety activities, safeguards activities, and the fee-relief adjustment/LLW surcharge. For FY 2020, the total budgeted resources to be recovered

as annual fees for safety activities are $10.1 million. To calculate the annual fee, the NRC allocates this amount to each fee category based on its percentage of the total regulatory effort for safety activities. Similarly, the NRC allocates the budgeted resources to be recovered as annual fees for safeguards activities, $7.6 million, to each fee category based on its percentage of the total regulatory effort for safeguards activities. Finally, the fuel facilities fee class portion of the fee-relief adjustment/LLW surcharge—$0.3 million—is allocated to each fee category based on its percentage of the total regulatory effort for both safety and safeguards activities. The annual fee per licensee is then calculated by dividing the total allocated budgeted resources for the fee category by the number of licensees in that fee category. The fee for each facility is summarized in Table X.

TABLE X—ANNUAL FEES FOR FUEL FACILITIES

[Actual dollars]

Facility Type (fee category)	FY 2019 Final Annual Fee	FY 2020 Final Annual Fee
High-Enriched Uranium Fuel (1.A.(1)(a))	$6,675,000	$5,067,000
Low-Enriched Uranium Fuel (1.A.(1)(b))	$2,262,000	$1,717,000
Gas Centrifuge Enrichment Demonstration (1.A.(2)(b))	N/A	N/A
Hot Cell (and others) (1.A.(2)(c))	N/A	N/A
Uranium Enrichment (1.E.)	$2,909,000	$2,208,000
UF_6 Conversion and Deconversion (2.A.(1))	$1,417,000	$510,000

d. Uranium Recovery Facilities

The NRC will collect $0.2 million in annual fees from the uranium recovery facilities fee class, which is stable compared to FY 2019, as shown in Table XI. The FY 2019 fees are shown for comparison purposes.

TABLE XI—ANNUAL FEE SUMMARY CALCULATIONS

FOR URANIUM RECOVERY FACILITIES

[Dollars in millions]

Summary fee calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources	$1.0	$0.6
Less estimated 10 CFR part 170 receipts	-0.8	-0.4
Net 10 CFR part 171 resources	0.2	0.2
Allocated generic transportation	N/A	N/A
Fee-relief adjustment	0.0	0.0
Billing adjustments	0.0	0.0
Total required annual fee recovery	$0.2	$0.2

In comparison to FY 2019, the budgeted resources and 10 CFR part 170 estimated billings for the uranium recovery fee class decreased due to the expected reduction in support for adjudicatory actions, the uncertainty associated with the construction of the NuFuels Crownpoint site in NM and Powertech Dewey Burdock site in SD, and Cameco's continuation to cease U.S. uranium recovery operations at its Crow Butte facility in Crawford, NE. Budgeted resources also decreased to include additional uranium recovery resources in the fee-relief category, "*In Situ* leach rulemaking and unregistered general licenses," in order to ensure the equitability and the stability of annual fees.

The NRC regulates DOE's Title I and Title II activities under Uranium Mill Tailings Radiation Control Act (UMTRCA)[3] and the annual fee assessed to DOE includes the costs specifically budgeted for the NRC's UMTRCA Title I and II activities, as well as

[3] The Congress established the two programs, Title I and Title II, under UMTRCA to protect the public and the environment from hazards associated with uranium milling. The UMTRCA Title I program is for remedial action at abandoned mill tailings sites where tailings resulted largely from production of uranium for weapons programs. The NRC also regulates DOE's UMTRCA Title II program, which is directed toward uranium mill sites licensed by the NRC or Agreement States in or after 1978.

10 percent of the remaining budgeted costs for this fee class. The NRC described the overall methodology for determining fees for UMTRCA in the FY 2002 fee rule (67 FR 42625; June 24, 2002), and the NRC continues to use this methodology. The DOE's UMTRCA annual fee decreased compared to FY 2019 due to an increase in the 10 CFR part 170 estimated billings for processing groundwater corrective action plans site reviews, the anticipated workload increases at various DOE UMTRCA sites, and the fee-relief credit. The NRC assesses the remaining 90 percent of its budgeted costs to the remaining licensee in this fee class, as described in the work papers. This is reflected in Table XII:

TABLE XII—COSTS RECOVERED THROUGH ANNUAL FEES;
URANIUM RECOVERY FEE CLASS
[Actual dollars]

Summary of Costs:	FY 2019 Final Annual Fee	FY 2020 Final Annual Fee
DOE Annual Fee Amount (UMTRCA Title I and Title II)		
General Licenses:		
UMTRCA Title I and Title II budgeted costs less 10 CFR part 170 receipts	$115,888	$114,577
10 percent of generic/other uranium recovery budgeted costs	5,431	5,573
10 percent of uranium recovery fee-relief adjustment	33	-107
Total Annual Fee Amount for DOE (rounded)	121,000	120,000
Annual Fee Amount for Other Uranium Recovery Licenses:		
90 percent of generic/other uranium recovery budgeted costs less the amounts specifically budgeted for UMTRCA Title I and Title II activities	48,880	50,153
90 percent of uranium recovery fee-relief adjustment	294	-959
Total Annual Fee Amount for Other Uranium Recovery Licenses	$49,173	$49,194

Further, for any non-DOE licensees, the NRC will continue using a matrix to determine the effort levels associated with conducting generic regulatory actions for the different licensees in the uranium recovery fee class; this is similar to the NRC's approach for fuel facilities, described previously. The matrix methodology for uranium recovery licensees first identifies the licensee categories included within this fee class (excluding DOE). These categories are: conventional uranium mills and heap leach facilities, uranium *in situ* recovery (ISR) and resin ISR facilities, mill tailings disposal facilities, and uranium water treatment facilities. The matrix identifies the types of operating activities that support and benefit these licensees, along with each activity's relative weight (for more information, see the work papers). Currently, there is only one remaining non-DOE licensee which is a Basic *In Situ* Recovery facility. Table XIII displays the benefit factors for the non-DOE licensee in that fee category:

TABLE XIII—BENEFIT FACTORS FOR URANIUM RECOVERY LICENSES

Fee Category	Number of Licensees	Benefit Factor Per Licensee	Total Value	Benefit Factor Percent Total
Conventional and Heap Leach mills (2.A.(2)(a))	0	0	0	0
Basic *In Situ* Recovery facilities (2.A.(2)(b))	1	190	190	100.0
Expanded *In Situ* Recovery facilities (2.A.(2)(c))	0	0	0	0
Section 11e.(2) disposal incidental to existing tailings sites (2.A.(4))	0	0	0	0

Total	1	190	190	100.0

The annual fee for the remaining non-DOE licensee is calculated by allocating 100 percent of the budgeted resources, as summarized in Table XIV.

TABLE XIV—ANNUAL FEES FOR URANIUM RECOVERY LICENSEES

(Other than DOE)

[Actual dollars]

Facility Type (fee category)	FY 2019 Final Annual Fee	FY 2020 Final Annual Fee
Conventional and Heap Leach mills (2.A.(2)(a))	N/A	N/A
Basic *In Situ* Recovery facilities (2.A.(2)(b))	$49,200	$49,200
Expanded *In Situ* Recovery facilities (2.A.(2)(c))	N/A	N/A
Section 11e.(2) disposal incidental to existing tailings sites (2.A.(4))	N/A	N/A

e. Research and Test Reactors (Non-power Reactors)

The NRC will collect $0.325 million in annual fees from the research and test reactor licensee class, as shown in Table XV. The FY 2019 fees are shown for comparison purposes.

TABLE XV—ANNUAL FEE SUMMARY CALCULATIONS FOR RESEARCH AND TEST REACTORS

[Actual Dollars]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources	$834,280	$3,317,830
Less estimated 10 CFR part 170 receipts	-538,000	-3,030,000
Net 10 CFR part 171 resources	296,280	287,830

Allocated generic transportation	30,971	30,713
Fee-relief adjustment	284	-6,183
Billing adjustments	1,901	12,980
Total required annual fee recovery	329,436	325,341
Total research and test reactors	4	4
Total annual fee per reactor (rounded)	$82,400	$81,300

In comparison to FY 2019, the budgeted resources for the research and test reactors increased primarily within the medical isotope production facilities due to the submittal of the SHINE Medical Technologies, Inc. (SHINE) operating license application.

The 10 CFR part 170 estimated billings also increased due to the following: 1) the submittal of SHINE's operating license application for a medical production facility; 2) the review of Aerotest Operations, Inc.'s request to amend its operating license to possession only; and 3) reviews of the National Institute of Standards and Technology and GE-Hitachi Nuclear Energy America's, LLC Nuclear Test Reactor license amendments for security plan reviews.

The annual fee-recovery amount is divided equally among the four research and test reactors subject to annual fees and results in an FY 2020 annual fee of $81,300 for each licensee.

f. Rare Earth

The NRC has not allocated any budgeted resources to this fee class; therefore, the NRC is not assessing an annual fee for this fee class in FY 2020.

g. Materials Users

The NRC will collect $34.1 million in annual fees from materials users licensed under 10 CFR parts 30, 40, and 70, as shown in Table XVI. The FY 2019 fees changes are shown for comparison purposes.

TABLE XVI—ANNUAL FEE SUMMARY CALCULATIONS FOR MATERIALS USERS

[Dollars in millions]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total budgeted resources for licensees not regulated by Agreement States	$36.0	$33.7
Less estimated 10 CFR part 170 receipts	-1.1	-1.0
Net 10 CFR part 171 resources	35.0	32.8
Allocated generic transportation	1.2	1.2
Fee-relief adjustment/LLW surcharge	0.1	0.0
Billing adjustments	0.1	0.1
Total required annual fee recovery	$36.4	$34.1

The formula for calculating 10 CFR part 171 annual fees for the various categories of materials users is described in detail in the work papers. Generally, the calculation results in a single annual fee that includes 10 CFR part 170 costs, such as amendments, renewals, inspections, and other licensing actions specific to individual fee categories.

The total annual fee recovery of $34.1 million for FY 2020 shown in Table XVI consists of $26.6 million for general costs and $7.5 million for inspection costs. To equitably and fairly allocate the $34.1 million required to be collected among approximately 2,500 diverse materials users licensees, the NRC continues to calculate the annual fees for each fee category within this class based on the 10 CFR part 170

application fees and estimated inspection costs for each fee category. Because the application fees and inspection costs are indicative of the complexity of the materials license, this approach provides a proxy for allocating the generic and other regulatory costs to the diverse fee categories. This fee-calculation method also considers the inspection frequency (priority), which is indicative of the safety risk and resulting regulatory costs associated with the categories of licenses.

The NRC will decrease annual fees for licensees in this fee class in FY 2020 due to the following: 1) the utilization of prior year unobligated carryover funding in FY 2020; 2) reductions of regional resources for the Nuclear Regulatory Apprenticeship Network (formerly the Nuclear Safety Professional Development Program); 3) budget estimates that are better aligned with projected workload; and 4) a decline in the generic transportation costs for materials users. The decline in annual fees for materials users is offset by a reduction of materials users licensees from FY 2019.

A constant multiplier is established to recover the total general costs (including allocated generic transportation costs) of $26.6 million. To derive the constant multiplier, the general cost amount is divided by the sum of all fee categories (application fee plus the inspection fee divided by inspection priority) then multiplied by the number of licensees. This calculation results in a constant multiplier of 1.27 for FY 2020. The average inspection cost is the average inspection hours for each fee category multiplied by the professional hourly rate of $279. The inspection priority is the interval between routine inspections, expressed in years. The inspection multiplier is established in order to recover the $7.5 million in inspection costs. To derive the inspection multiplier, the inspection costs amount is divided by the sum of all fee categories (inspection fee divided by inspection priority) then multiplied by the number of licensees. This calculation results in an inspection multiplier of 1.48 for FY 2020. The unique category

costs are any special costs that the NRC has budgeted for a specific category of licenses. Please see the work papers for more detail about this classification.

The annual fee assessed to each licensee also takes into account a share of the approximately $0.051 million fee-relief credit assessment allocated to the materials users fee class (see Table IV, "Allocation of Fee-Relief Adjustment and LLW Surcharge, FY 2020," in Section IV, "Discussion," of this document), and for certain categories of these licensees, a share of the approximately $0.089 million in LLW surcharge costs allocated to the fee class. The annual fee for each fee category is shown in the revision to § 171.16(d).

h. Transportation

The NRC will collect $1.0 million in annual fees to recover generic transportation budgeted resources in FY 2020, as shown in Table XVII. The FY 2019 fees are shown for comparison purposes.

TABLE XVII—ANNUAL FEE SUMMARY CALCULATIONS FOR TRANSPORTATION
[Dollars in millions]

Summary Fee Calculations	FY 2019 Final	FY 2020 Final
Total Budgeted Resources	$8.0	$7.2
Less Estimated 10 CFR part 170 Receipts	-3.7	-2.8
Net 10 CFR part 171 Resources	4.3	4.4
Less Generic Transportation Resources	-3.3	-3.4
Fee-relief adjustment/LLW surcharge	0.0	0.0
Billing adjustments	0.0	0.0

Total required annual fee recovery	$1.0	$1.0

In comparison to FY 2019, the total budgeted resources for generic transportation activities decreased due to the following: 1) the utilization of prior year unobligated carryover funding; 2) a reduction in FTE due to decreases in maintenance work associated with the Storage and Transportation Information Management System; and 3) the decline in DOE's percentage of total CoCs as a result of two new CoCs benefitting other fee classes. The 10 CFR part 170 estimated billings decreased primarily due to the issuance of CoCs for NAC International, Inc. and Industrial Nuclear Company, LLC in FY 2019.

Consistent with the policy established in the NRC's FY 2006 final fee rule (71 FR 30721; May 30, 2006), the NRC recovers generic transportation costs unrelated to DOE by including those costs in the annual fees for licensee fee classes. The NRC continues to assess a separate annual fee under § 171.16, fee category 18.A., for DOE transportation activities. The amount of the allocated generic resources is calculated by multiplying the percentage of total CoCs used by each fee class (and DOE) by the total generic transportation resources to be recovered.

This resource distribution to the licensee fee classes and DOE is shown in Table XVIII. Note that for the research and test reactors fee class, the NRC allocates the distribution to only those licensees that are subject to annual fees. Although four CoCs benefit the entire research and test reactor class, only 4 out of 31 research and test reactors are subject to annual fees. Consequently, the number of CoCs used to determine the proportion of generic transportation resources allocated annual fees for the research and test reactors fee class has been adjusted to 0.7 so these licensees are charged a fair and equitable portion of the total fees. For more information, see the work papers.

TABLE XVIII—DISTRIBUTION OF TRANSPORTATION RESOURCES, FY 2020

[Dollars in millions]

Licensee Fee Class/DOE	Number of CoCs Benefiting Fee Class or DOE	Percentage of Total CoCs	Allocated Generic Transportation Resources
Materials Users	25.0	27.3	1.2
Operating Power Reactors	5.0	5.5	0.2
Spent Fuel Storage/Reactor Decommissioning	16.0	17.5	0.8
Research and Test Reactors	0.7	0.7	0.0
Fuel Facilities	24.0	26.2	1.2
Sub-Total of Generic Transportation Resources	70.7	77.1	3.4
DOE	21.0	22.9	1.0
Total	91.7	100.0	4.4

The NRC assesses an annual fee to DOE based on the 10 CFR part 71 CoCs it holds. The NRC, therefore, does not allocate these DOE-related resources to other licensees' annual fees because these resources specifically support DOE.

FY 2020—Policy Changes

The NRC is making two policy changes for FY 2020:

Removing the fee exceptions in § 170.21, footnote 1 and § 170.31, footnote 2

The NRC is eliminating the fee exceptions set forth in footnote 1 to § 170.21 "Schedule of Fees for Production and Utilization Facilities, Review of Standard Referenced Design Approvals, Special Projects, Inspections, and Import and Export Licenses," and footnote 2 to § 170.31, "Schedule of Fees for Materials Licenses and Other Regulatory Services, Including Inspections, and Import and Export Licenses."

These footnotes contain parallel language stating that the NRC "will not charge fees under 10 CFR part 170 for orders related to civil penalties or other civil sanctions issued by the Commission under § 2.202 or for amendments resulting specifically from the requirements of these orders."

Currently, footnote 1 to § 170.21 and footnote 2 to § 170.31 provide an exception to the general rule that the NRC recovers review and inspection costs through fees assessed to individuals under 10 CFR part 170. The current language excludes the following activities from 10 CFR part 170 fees if an order relates to a civil penalty or other sanction: 1) subsequent NRC inspection or review work to ensure compliance with the terms of the order, and 2) subsequent NRC review costs if the order requires the licensee to seek a license amendment. The current language also states, however, that where an order is "unrelated to civil penalties or other civil sanctions," the NRC will follow its normal practice of assessing fees under 10 CFR part 170.

The language in these footnotes comes from the NRC's FY 2005 fee rule (70 FR 30526; May 26, 2005). Before 2005, the NRC excluded work in connection with *all* orders from 10 CFR part 170 fees. In the FY 2005 fee rule, the NRC amended the footnotes to narrow the exceptions to just those orders that "relate" to civil penalties or civil sanctions. The NRC made this change because, after September 11, 2001, it had imposed additional security requirements on multiple licensees through orders. As a result of these orders, the NRC performed extensive follow-up activities that, because of the pre-existing broad exceptions in footnotes 1 and 2, were exempt from 10 CFR part 170 fees. Because these activities were exempt from 10 CFR part 170 fees, the NRC recovered the associated costs through annual fees under 10 CFR part 171, even though the work benefited specific licensees (70 FR 30528-30535; May 26, 2005).

Through the FY 2005 fee rule, the NRC attempted to allocate costs more fairly by ensuring that the beneficiaries of its review and inspection services associated with orders of the type issued after September 11, 2001, paid for those services through 10 CFR part 170 fees. At the same time, the NRC retained an exception for orders that relate to a civil penalty or civil sanction. The NRC also explained in the FY 2005 fee rule that it was maintaining its longstanding policy of not charging 10 CFR part 170 fees for the *preparation* of any order. The costs associated with preparing an order would continue to be recovered through annual fees under 10 CFR part 171.

The authority for assessing the 10 CFR part 171 fees comes from the same statute that provides the authority for the NRC's 10 CFR part 170 fee schedule. The IOAA requires that the NRC assess fees fairly and equitably, and it authorizes the NRC to collect fees whenever the agency provides "a service or thing of value" to a recipient. In addition, OBRA-90 (or, in future fiscal years, NEIMA) and Office of Management and Budget (OMB) Circular A-25, "User Charges," require that the NRC recover fees from persons who derive a direct benefit from the agency's services.

Even if an order related to a civil penalty or civil sanction has some public benefit, the services the NRC provides in connection with the order, such as inspections and document-review activities, primarily benefit a specific licensee. These services primarily benefit the licensee because they enable the licensee to maintain its NRC license in good standing and continue to operate its facility. Furthermore, regardless of whether the NRC issues an order in a safety, security, or enforcement context, the NRC's follow-up services related to the order—inspections, document review and analysis, and other services—benefit the licensee by contributing to public confidence in the safe operation of the licensee's facility. Charging 10 CFR part 170 fees for services related to all orders is therefore most consistent with the NRC's obligations under the governing fee-recovery statutes and OMB Circular A-25. Transferring the cost of these

services to other members of a licensee's fee class, on the other hand, could therefore be viewed as unfair and inconsistent with the governing fee-recovery statutes and OMB Circular A-25.

Accordingly, in this final rule, the NRC is removing the fee exceptions (i.e., the first two sentences) from § 170.21, footnote 1 and § 170.31, footnote 2. Removing the exceptions promotes fairness and equity in the NRC's fees rules, consistent with the IOAA, ensures that licensees who receive special benefits in the form of NRC services pay for those services, consistent with OMB Circular A-25. Removing the exceptions also simplifies the NRC's fee schedules. If there are circumstances in which charging 10 CFR part 170 fees for follow-up activities related to an order would be unfair, the NRC retains the ability under § 170.11 to grant a fee exemption for those services, either on its own initiative or upon request.

Removing the fee exceptions will not, however, change the NRC's longstanding policy regarding the recovery of costs associated with preparing an order. Consistent with this policy, such costs will continue to be recovered through annual fees under 10 CFR part 171.

Amending § 171.15 regarding the assessment of annual fees for 10 CFR part 52 combined license holders and future 10 CFR part 50 power reactor licensees

Based on its review of PRM-171-1 and the public comments, the NRC is amending § 171.15(a) so that the assessment of annual fees for 10 CFR part 52 COL holders commences upon successful completion of power ascension testing, rather than after the Commission makes a finding under § 52.103(g). This approach will also apply this approach to future 10 CFR part 50 power reactor licensees.

Currently, § 171.15 requires a 10 CFR part 52 COL holder to begin paying the annual fee once the Commission finds under § 52.103(g) that all acceptance criteria in

the COL are met. Similarly, 10 CFR part 50 licensees begin paying annual fees upon issuance of an operating license. The timing of annual fees reflects the NRC's historical position that a nuclear power reactor licensee receives the benefits of its license, and thus should begin paying annual fees, when the NRC authorizes the licensee to use nuclear materials (i.e., begin operating the reactor).

The NRC is firmly committed to the application of fairness and equity in the assessment of fees to licensees. The NRC recognizes that, subsequent to the § 52.103(g) finding for 10 CFR part 52 COL holders, and issuance of the operating license for 10 CFR part 50 power reactor licensees, fuel must be loaded, and power ascension testing must be completed to provide assurance that the facility is fully operational. As part of this process, 10 CFR part 52 COL holders must provide written notification to the NRC that successful power ascension testing is completed. This notification is the trigger that enables operation at a steady-state reactor core power level equal to 100 percent of reactor thermal power as defined in the facility's final safety analysis report.

As a result, the NRC recognizes that it would be more fair and equitable to change the timing of when annual fees commence for 10 CFR part 52 licensees from when the Commission issues a § 52.103(g) finding to a time that aligns more closely with the licensee's facility becoming fully operational. For that reason, the NRC will defer charging annual fees until after the licensee's start-up and initial-testing phase. The NRC will begin charging annual fees only after the licensee has notified the NRC in writing that it has successfully completed power ascension testing. For similar reasons, the NRC is also applying this change to 10 CFR part 50 power reactor licensees.

Because only current 10 CFR part 52 COLs contain a standard license condition that requires written notification be submitted to the NRC upon successful completion of power ascension testing, the NRC will consider adding a similar license condition to

future 10 CFR part 50 operating licenses and 10 CFR part 52 COLs to ensure that they promptly notify the NRC of successful completion of power ascension testing. Upon successful completion of testing and the required notification to the NRC, the power reactor would be fully operational. The annual fee assessment for 10 CFR part 50 power reactor licensees and 10 CFR part 52 COL holders would therefore begin on the date of the licensee's written notification of successful completion of power ascension testing.

Accordingly, the NRC is amending § 171.15(a) so that annual fees commence not upon issuance of the operating license for 10 CFR part 50 power reactors and issuance of the § 52.103(g) finding for 10 CFR part 52 COL holders, but upon written notification to the NRC of successful completion of power ascension testing and making conforming changes to § 171.3, "Scope," and § 171.17, "Proration." The NRC finds this rule change amendment to be reasonable, fair, and equitable, and supported by the public comments the NRC received on PRM-171-1 and on the proposed rule. Finally, the NRC will consider expanding this approach to other 10 CFR part 50 licensees in a future rulemaking.

FY 2020—Administrative Change

The NRC is making one administrative change:

Add a footnote to the table in § 171.16(d) for additional clarity.

The NRC is adding a footnote to the table in § 171.16(d) to clarify that licensees that are subject to annual fees under fee categories 4.A., 4.B. or 4.C. are not subject to annual fees under 3.N. for waste disposal services authorized on the same license.

Update on the Fees Transformation Initiative

In the Staff Requirements Memorandum, dated October 19, 2016, (ADAMS Accession No. ML16293A902) for SECY-16-0097, "Fee Setting Improvements and Fiscal Year 2017 Proposed Fee Rule," (ADAMS Accession No. ML16194A365), the Commission directed staff to explore, as a voluntary pilot, whether the NRC could establish a flat fee structure for routine licensing matters in the area of uranium recovery, and to accelerate the process improvements for setting fees, including the transition to an electronic billing system. In addition, the Commission also directed the staff to begin the fees transformation activities listed in SECY-16-0097 as "Process Changes Recommended for Future Consideration—FY 2018 and Beyond," which includes one remaining item to complete regarding the rulemaking to update the NRC's small business size standards in § 2.810, "NRC Size Standards."

With respect to the uranium recovery flat fee pilot initiative, the NRC explored the feasibility of establishing a flat fee structure for routine licensing matters and inspection activities. The NRC provided a report to Congress on January 9, 2020, describing the results of the pilot initiative and the decision to maintain the current NRC fee billing structure for 10 CFR part 170 fees for service for uranium recovery licensing matters. For more information, the report to Congress can be found at ADAMS Accession No. ML20010D684.

With respect to the NRC's transition to an electronic billing system (eBilling), eBilling went live with a phased implementation on October 1, 2019, which included 9 licensees with 65 dockets. As of May 12, 2020, eBilling currently has 111 licensees with 381 dockets enrolled. Outreach to additional licensees will continue throughout FY 2020 in order to increase enrollment and ensure awareness.

Finally, in order to obtain sufficient information to update the NRC's small business size standard in § 2.810, the NRC conducted a financial survey of materials licensees to determine whether changes to the size standards are needed. The NRC

published a document in the *Federal Register* (85 FR 6225; February 4, 2020) announcing the survey, and requested response by due date of April 30, 2020. The survey results will be analyzed to determine if changes are needed to the current nuclear industry-specific size standards in § 2.810.

For more information, please see our fees transformation accomplishments schedule, located on our license fees website at: https://www.nrc.gov/about-nrc/regulatory/licensing/fees-transformation-accomplishments.html.

IV. Public Comment Analysis

Overview of Public Comments

The NRC published a proposed rule on February 18, 2020 (85 FR 9328) and requested public comment on its proposed revisions to 10 CFR parts 170 and 171. By the close of the comment period, the NRC received eight written comment submissions on the FY 2020 proposed rule. In general, the commenters were supportive of the specific proposed regulatory changes. Some commenters expressed concerns about broader fee-policy issues related to transparency, the overall size of the budget, fairness of fees, and budget formulation.

The commenters are listed in Table XIX.

TABLE XIX—FY 2020 PROPOSED FEE RULE COMMENTER SUBMISSIONS

Commenter	Affiliation	ADAMS Accession No.
David Shafer	U.S. Department of Energy (DOE)	ML20056F131
Jeffrey Fulks	Honeywell International – Metropolis Works (MTW)	ML20073J763
Jennifer Uhle	NEI	ML20077K338
Matthew Ostdiek	Rendezvous Engineering, P.C. (RE)	ML20077M622

Fred Schuman	Mid River Asphalt, Inc.	ML20083K042
Camilla Zozula	Westinghouse Electric Company (WEC)	ML20083K046
Cheryl Gayheart	Southern Nuclear Operating Company (SNC)	ML20083K048
Bradley Fewell	Exelon Generation Company (Exelon)	ML20084K871

Information about obtaining the complete text of the comment submissions is available in Section XIV, "Availability of Documents," of this document.

V. Public Comments and NRC Responses

The NRC has carefully considered the public comments received on the proposed rule. The comments have been organized by topic. Comments from multiple commenters raising similar specific concerns were combined to capture the common essential issues raised by the commenters. Comments from a single commenter have been quoted to ensure accuracy; brackets within those comments are used to show changes that have been made to the quoted comments. The NRC responses are preceded by a short summary of the issues raised by the commenters.

A. Budget Formulation

Comment: "The NRC staff provided a very thorough public briefing about the proposed fee rule on March 5, 2020, including the business line budget utilization of the $40M in carryover funds. Approximately 50 [percent] of the carryover funding was utilized in the Operating and New Reactor business lines, consistent with the business line budgeting information provided in the briefing. However, the fee class budget distribution provided in the briefing shows 86 [percent] of the fee/receipt recoverable budget is allocated to Power Reactors. The Federal Register publication of the proposed fee rule notes that the $40M in carryover results in reduced fees to licensees.

In light of the NRC's distribution of its fee-recoverable appropriation, how did the NRC determine the percentage of carryover that would be applied to reduce operating reactor fees?" (Exelon)

Response: One commenter requested that the NRC explain its process to determine the percentage of carryover that was applied to reduce the operating power reactors fees. There is not a separate process to determine the percentage of carryover that would be applied to reduce the fee classes budgeted resources. When determining how to allocate the $40.0 million in carryover funds based on Congressional direction, the NRC used its appropriation funding categories—or control points—and allocated the carryover funds to appropropriate funding categories relative to the percentages of total enacted funding. This allocation was performed without distinguishing the specific fee classes during this process. The fee class distribution is determined as part of the normal fee allocation process after budget allocations are determined. During the March 5, 2020, public meeting, the NRC discussed the allocation process and demonstrated the reconciliation of the FY 2020 business line budgets to the specific fee classes. To increase transparency, NRC has included these reconciliations in the work papers for this final rule. In addition, the work papers include a chart, illustrating the utilization of carryover funding in FY 2019 and FY 2020 by business line and the subsequent allocations for the development of the fee rule.

No changes were made to the final rule as a result of this comment.

Comment: "Related to the use of carryover funds, the $40M amount is very large by historical standards, the FY2019 carryover was $20M. Again, referencing the business line carryover utilization provided in the March 5 briefing, $13M, approximately one third of carryover funding was used to defray corporate support costs. NRC has struggled to contain corporate support costs and is required under NEIMA to reduce these costs to less than 30 [percent], to the maximum extent practicable. Exelon is

concerned that without continued use of carryover funds in future years, corporate support will drive licensee fees higher, with uncertain safety benefit. We request that the work papers address the potential for increased industry fees to cover NRC corporate support." (Exelon)

Response: The agency remains focused on innovative strategies that result in savings, while not jeopardizing the corporate activities necessary to accomplish the agency's mission. The NRC has made significant progress in reducing corporate support in recent years. When compared to the FY 2014 enacted budget, the FY 2021 budget request for corporate support represents a decrease of $74.7 million, or approximately 22 percent. It should be noted that the NRC's annual fee rule and supporting work papers are published so that the public and licensees can understand how fees are calculated based on the budget authority enacted for the current fiscal year, not future fiscal years. The FY 2021 Congressional Budget Justification (CBJ), alternatively, provides the agency's explanation and justification for the resources being requested for the next fiscal year to allow the agency to complete its mission, the CBJ provides the reasoning for changes in the agency resource requests, and is the appropriate source for the agency's explanation and justification for the Corporate Support budget. The NRC's goal is to provide transparency in the fee rule and work papers between fees at the final appropriated budget requirements.

No changes were made to the final rule as a result of this comment.

B. Public Participation in Budget Formulation

Comment: Two commenters expressed a desire for industry to be involved with the NRC directly during the development of the NRC's budget to better determine the sufficiency of the budget and to accurately determine the necessary annual fees. They emphasized the need for the NRC staff to work with industry in an open and transparent

fashion regarding the prioritization of annual fee expenditures and the utilization of indirect resources. (NEI and WEC)

Response: The NRC seeks information from licensees and other entities relevant to projected workload, through public meetings and other forms of public outreach, to better inform NRC's budget formulation workload assumptions. However, the NRC is an independent safety regulator, and it would not be appropriate for regulated entities, non-government organizations, and members of the public to be involved in the NRC's budget formulation. In addition, OMB establishes the Executive Branch budget process through OMB Circular No. A-11, "Preparation, Submission, and Execution of the Budget." Section 22.1 of OMB Circular No. A-11 requires that pre-decisional budget deliberations remain confidential until the release of the CBJ.

No changes were made to this final rule as a result of these comments.

C. Work Papers

Comment: "In prior year comments, we have identified a lack of transparency in the basis for the budget as an area of concern. We acknowledge that several steps have been taken to improve both the types and clarity of information provided in the fee rule work papers and Congressional Budget Justification. There has been a marked improvement in the level of detail provided to stakeholders on the NRC budget, however, we urge that additional steps be taken. In particular, we believe that additional detail should be provided on budgeted work activities, including a level of planned effort for each activity, how this level compares with the prior year, and the rationale for the change. Such detail would enable licensees to better evaluate and understand significant budget changes. Additional information should be provided to enable a better understanding of which actions are recovered through service fees and which actions are recovered through annual fees. We also believe that stakeholders would benefit

greatly from an expansion on the narrative discussion in the fee rule work paper explaining significant increases/decreases in product line budget items." (NEI)

Response: The fee rule and its supporting work papers, are published so the public and licensees can understand how fees are determined for a fee class and a fee category. Consistent with requirements of OBRA-90, license fees are calculated by business lines, product lines, and products based on the budget authority enacted for the current fiscal year. The NRC provides those business lines, product lines, and products in the fee rule work papers. The CBJ provides the agency explanation and justification for the resources being requested for the budget year, including increases and decreases, and the reason for changes in the agency budget request as compared to the prior year, at the business line and product line levels; it also includes the prior year actual amounts at the business line and product line levels.

The commenter is correct that the work papers currently do not distinguish by specific budget line items which fees are recovered through user and annual fees. The fee rule work papers do not draw this distinction because it has been impractical for the NRC to determine in advance what precise percentage of fees for a given business line will be recovered through 10 CFR part 170 user fees versus 10 CFR part 171 annual fees. With respect to 10 CFR part 170 user fees, the NRC staff time spent on licensing and inspection actions is subject to change, depending on the novelty and complexity of the license application under review or the facility being inspected. Similarly, with respect to 10 CFR part 171 annual fees, the nature of the generic research, safety, environmental, or safeguards activities also may vary considerably, given changes in Commission priorities, external events, interactions with Agreement States, other Federal agencies, state, local and tribal governments, the regulated industry, and members of the public.

The NRC notes that the CBJ includes a statement in each business line chapter to indicate which product lines impact fees for services versus annual fees. For all the business lines, except for the nuclear materials users business line, typically resources budgeted in the Licensing and Oversight Product Lines typically affect fees for services, and all other resources affect annual fees. For the nuclear materials users business line, almost all budgeted resources impact annual fees. The NRC is planning for the implementation of NEIMA in FY 2021 and is considering adding additional detail in the fee rule and associated work papers to enhance the transparency of how fees are determined.

The NRC disagrees with the comment recommending that NRC expand the narrative to explain the significant increases and decreases. The NRC has provided improved and detailed explanation in the fee rule of the changes in budgetary resources, changes to 10 CFR part 170 estimated billings, and the impact on annual fees. The budgetary resources by each fee class by business line, product line, and product in the work papers, which show the specific fee class budget increases and decreases. For example, in the FY 2020 proposed fee rule the operating power reactors fee class displayed numerous activities within the licensing and oversight product lines (i.e., delayed construction and operating license application review activities), that affected the fee class budget and caused it to decline from the previous year. To increase transparency, the NRC incorporated a reconciliation of the FY 2020 CBJ resources by business line to the associated fee class in the FY 2020 proposed fee rule work papers. For the first time, stakeholders can trace the CBJ business line budgets to the resources recovered within each fee class budget by product line.

No changes were made to this final rule as a result of this comment.

Comment: "The work papers supporting the FY2020 proposed rule show a detailed breakdown of the products and product lines included in the calculation of the

Part 171 Operating Power Reactors annual per-reactor fee, including significant amounts for various research activities. Research for Operating Reactors is shown as $24M in contract dollars, and 128 FTEs. While some research appears explainable for the existing fleet of reactors, e.g., “Aging & Materials,” other descriptors are more cryptic, e.g., “Engineering Research,” “Systems Analysis,” or “Risk Analysis” ($16M contract dollars budgeted for these three.) And others that might appear applicable, e.g., “Digital I&C” have no resources budgeted. It would be helpful to have in the work papers, perhaps as a separate paragraph or table in the Operating Power Reactors section, a brief description of the major efforts for each research Product, the goal of the research, expected completion date, safety issue to be resolved by the research, whether related to specific licensing actions, etc., so that Licensees and the public have confidence that these research dollars are being used to directly support the NRC mission.” (Exelon)

Response: The commenter is requesting additional detail in the work papers in order to better understand the specific budgeted research efforts. The CBJ is the appropriate source for the agency’s explanation and justification for the agency’s research budget, not the fee rule, which implements the final results of the budget process. The NRC’s goal is to provide transparency in the fee rule and work papers between fees at the final appropriated budget requirements. The fee rule and the supporting work papers are published in order for the public and licensees to understand how fees are determined for a fee class and a fee category.

With respect to the commenter’s request to expand the fee rule work papers to provide additional information on all research activities with the specific goal of the research, expected completion date, safety issue to be resolved by the research, and whether it is related to specific licensing actions, the NRC does not believe such a change to the fee rule work papers is necessary. The CBJ, which serves a different purpose than the fee rule work papers, provides the overview of the specific research

activities being conducted by the NRC during FY 2020. Some examples of NRC research activities discussed in the CBJ include but are not limited to: seismic and structural stability; probabilistic risk assessment; digital instrumentation and controls and electrical systems; accident tolerant fuel; fuel performance research; and materials performance. Additional information on the regulatory research program, including NUREG-1925, Revision 4, "Research Activities FY 2018-FY 2020," and the "FY 2020-22 Planned Research Activities," are available on the NRC's public website at https://www.nrc.gov/about-nrc/regulatory/research.html. Additional information regarding the costs associated with research can be derived by comparing the work papers from the proposed fee rule to the final fee rule, which would allow the impact associated with budget changes, including the use of carryover, to be identified between fiscal years. Work papers for the proposed and final fee rules for the last several years can be readily accessed at https://www.nrc.gov/about-nrc/regulatory/licensing/fees.html.

No changes were made to this final rule as a result of this comment.

Comment: "As Exelon has noted in reviewing proposed fee rules for prior years, this trade-off between Part 170 and Part 171 fees divorces the reactor fee from any actual health and safety benefit to be achieved via the Part 171 fee collection. That is, an increase in per-reactor fee does not necessarily mean greater NRC focus is needed to ensure safety. Exelon notes that under [NEIMA], the reactor fee is limited "to the maximum extent practicable." Exelon recommends that the work papers address this aspect of the fees so that safety benefit derived from increased Part 171 fees can be better understood. If the fee reflects only the budgeting process and not any change in the need for NRC oversight, that clarity would also be useful for the industry in prioritizing resource allocations." (Exelon)

Response: The NRC's annual budget request reflects the agency's continued commitment to protecting public health and safety and ensuring the long-term safety and

security of nuclear power facilities and nuclear materials, which includes mission-direct, mission-indirect, and agency-support resources, as well as resources that are excluded from the NRC's fee recoverable budget.

Beginning in FY 2021, the NRC will be required to collect 100 percent of its annual budget authority (less certain excluded items), to the maximum extent practicable. Additionally, in accordance with Section 102(b)(3)(B)(i) of NEIMA, the operating power reactors fee class annual fee, to the maximum extent practicable, shall not exceed the operating power reactor annual fee amount established in the FY 2015 final fee rule, adjusted for inflation. On its own initiative, the NRC included an estimate of the operating power reactors annual fee in Appendix C, Estimated Operating Power Reactors Annual Fee," of the FY 2021 CBJ, with the intent to increase transparency. The NRC developed this estimate based on the NRC staff's allocation of the FY 2021 budget request to fee collections under 10 CFR part 170, and allocations within the operating power reactors fee class under 10 CFR part 171. In addition, the estimated annual fee assumes 93 operating power reactors in FY 2021 and applies various data assumptions from the FY 2019 final fee rule. Collectively, these actions help mitigate impacts on the remaining licensees from licensees that leave a fee class by helping the NRC continue to develop budgets that account for regulating a fee class with a declining number of licensees. Though the FY 2021 estimated operating power reactor fee class annual fee is included in the FY 2021 CBJ, it is subject to changes in those data assumptions as the NRC will conduct an annual rulemaking for FY 2021 fees by publishing a proposed and final rule in order to assess fees. Fee rule estimates during budget formulation are subject to the changes that will occur in the two-year interval between formulation and final appropriation impacting the fee rule.

The commenter is correct that the NRC's FY 2020 work papers do not include the allocation of the FY 2021 budget. The NRC's fee rule and supporting work papers

are published in order for the public and licensees to understand how fees are calculated based on the budget authority enacted for the current fiscal year and not future fiscal years. The FY 2021 CBJ, which serves a different purpose than the fee rule work papers, provides the agency's explanation and justification for the resources being requested for the next fiscal year to allow the agency to complete its mission, and it provides the reasoning for changes in the agency resource requests. The NRC is planning for the implementation of NEIMA in FY 2021, and strives to enhance transparency for the annual fee rule and supporting work papers each year.

No changes were made to this final rule as a result of this comment.

D. Operating Reactors Decline in the Budget and 10 CFR part 170 Estimated Billings

Comment: Several commenters expressed concern regarding the declining fraction of fees recovered under 10 CFR part 170 (service fees) relative to 10 CFR part 171 (annual fees), as well as the NRC's overall budget for the operating power reactors fee class. The commenters noted that these fees were being borne by a decreasing number of facilities with a decreasing number of licensing actions and completion of NRC reviews and certifications. The commenters noted that the high percentage of activities covered by annual fees places an increased importance on transparency of indirect services covered under 10 CFR part 171 fees, and they encourage a continued focus on enhancing transparency. (NEI and Exelon)

Response: The relationship between 10 CFR part 170 (service fees) relative to 10 CFR part 171 (annual fees) is workload driven. The activities covered by 10 CFR part 171 annual fees are necessary for NRC to accomplish its safety mission as described and justified in the CBJ. The amount of user fees collected under 10 CFR part 170 depends on a number of different factors including the professional hourly

rate, licensee and applicant decisions to pursue licensing actions, and the number of hours necessary to resolve any licensing actions. Due to OBRA-90 requirements, examining changes in the 10 CFR part 170 fees and the 10 CFR part 171 fees separately may not account for the overall decreases in the fee class budget or the realized efficiencies. Over the last seven years, the fee class budget for operating power reactors has decreased from $734.7 million in FY 2013 to $623.9 million in FY 2020. This represents a reduction of $110.8 million, or 15 percent as a result of the decreasing number of nuclear power reactor licensees, application delays and withdrawals, reduced license amendments, efficiencies gained in office mergers, and long-term project completions.

Over this same period, the 10 CFR part 170 estimated billings for the operating power reactors fee class have declined from $303.8 million in FY 2013 to $186.7 million in FY 2020, which represents a decline of $117.1 million or 38.5 percent. These changes in the budgetary resources and the 10 CFR part 170 estimated billings, ultimately adjust the amount of fee recoverable resources that is required to be collected through 10 CFR part 171 annual fees. As compared to FY 2013, the operating power reactors fee class annual fee has increased from $424.2 million in FY 2013 to $439.0 million in FY 2020, which represents an increase of $14.8 million or 3.5 percent.

With respect to enhancing transparency, the NRC continues to review its budget and will pursue additional efficiency improvements to ensure that its budgetary request accurately reflects the anticipated workload. The NRC considers projected operating power plant closures and other external factors when estimating workload changes in a manner that allows the agency to meet its statutory responsibilities as the industry changes. However, a reduction in the budget is not linearly proportional as there is a cost for the infrastructure that must be maintained independent of the number of operating power reactors in the fleet.

The implementation of NEIMA in FY 2021, will include a cap on annual fees for operating reactors; the NRC continues to evaluate resource requirements and adjustments that can be made to refine the operating power reactors budget. Finally, the NRC remains committed to providing enhanced transparency throughout the development of the annual fee rule and supporting work papers.

No changes were made to this final rule as a result of these comments.

E. Fairness of Fees

Comment: "The work papers also show that approximately 17% of the Nuclear Reactor Safety program budget used in determining the annual Operating Reactor fee comes from the New Reactors product line. Exelon suggests that the new reactor budget be broken out separately, to be paid by those entities pursuing new reactors. Alternately, the work papers should clarify in some detail how new reactor spending benefits the operating reactor fleet." (Exelon)

Response: The NRC disagrees with the proposed recommendation. To the extent that the NRC's reactor safety work directly benefits a licensee or applicant, the NRC then assesses 10 CFR part 170 user fees upon that licensee or applicant. As a result, existing operating reactor licensees are not paying any fees for new reactor work that directly benefits an entity engaged in new reactor activities. As for the portion of the new reactor work that is not collected through 10 CFR part 170 user fees, OBRA–90, as amended, requires that the NRC allocate the costs for this work fairly and equitably. Because the NRC's generic new reactor activities yield indirect benefits for existing operating reactor licensees, the NRC's current system of allocating all operating reactor costs to existing licensees satisfies OBRA–90's requirements.

While there are generic activities that may preferentially benefit new reactor vendors or licensees, there are activities that appear to be focused on new reactors but

have a direct benefit to the operating power reactor licensees. For example, if an existing licensee sought to obtain NRC approval for a design change to a safety significant structure at an operating plant, then the NRC may use guidance that was developed for new reactor applications to analyze the design change. One example is the vendor quality assurance inspection program that develops and maintains the infrastructure for vendor inspections and quality assurance reviews supporting both new and operating reactors. While inspections and allegations specific to operating reactors are funded by operating reactors, many of the vendor inspections and allegations funded by the new reactor program are at vendors that also supply parts for operating reactors. Moreover, entities holding licenses for currently operating reactors may also be, either now or in the future, applicants for new nuclear power plant licenses. Finally, all power plant licensees indirectly benefit from rulemaking or other generic activities that enhance and develop the new reactor licensing framework because these generic activities help to establish and maintain the regulatory infrastructure at the NRC. This provides existing nuclear reactor licensees with regulatory predictability that is useful for business planning purposes.

Along these same lines, the NRC performs generic activities related to license renewal. These costs are spread among all holders of power reactor operating licenses without regard to whether the operating license holder intends to seek renewal. This is because a stable and efficient regulatory regime for license renewal indirectly benefits all existing power plants even if an existing power reactor has no immediate plans to seek license renewal. The same is true for new reactor licensing activities.

Ultimately, identification of fee classes is a matter of drawing practical distinctions. By virtue of being a generic activity without a specific, concrete beneficiary, all the activities that fall in the 10 CFR part 171 annual fee category could be theoretically parsed into an almost infinite amount of fee classes. For example, if the

NRC were to base fees on distinctions such as whether generic work benefited boiling-water reactors versus pressurized-water reactors or coastal versus inland reactors, the exercise would result in distinctions that are both artificial and unduly burdensome from an administrative and recordkeeping standpoint. Therefore, the NRC's decision to draw the fee class line in a way that encompasses generic new reactor work satisfies OBRA–90's requirement that costs be allocated fairly and that, ''[t]o the maximum extent practicable, the charges shall have a reasonable relationship to the cost of providing regulatory services.''

No change was made to this final rule in response to this comment.

F. Fuel Facilities Matrix

Comment: "The Metropolis facility has been secured in an idle state due to market conditions. The idle state conditions prohibits the production or the creation of liquid UF6 per Honeywell Request for Relaxation Security Order dated April 30, 2018. The NRC approved the request for Relaxation of Security Order in a letter dated March 11, 2019, due to the removal of UF6 from the process equipment. NRC recently acknowledged an 80% reduction in inspection effort due to the idle condition as stated in the NRC Inspection Report 4-339/2020-005 Honeywell Metropolis Works License Performance Review dated March 2, 2020. In the current idle state, MTW will not have liquid UF6 on site, or implement safeguards related to liquid UF6. Therefore, MTW asks that the effort factor for liquid UF6 be revised from 5 to 0 and the safeguards factor for liquid UF6 also be revised from a 5 to 0 to appropriately reflect the effort during the current idle state condition." (MTW)

Response: Currently, there is one uranium conversion facility, and it is in a "ready-idle" status with no processing operations. The NRC believes that this facility will remain in "ready-idle" position for FY 2020 and will need to be reassessed on an annual basis.

Regulatory oversight of processing operations have been curtailed while the operations are shut down. Therefore, the safety and safeguards factors for "Liquid UF6 processing at Uranium Conversion facilities" in the effort factors matrix have been reduced from 5 to 0 to reflect the curtailed regulatory oversight of these processes.

G. Fuel Facilities Fee Class

Comment: "We note that annual fees for Category I Fuel Cycle Facilities (listed under Category "High-Enriched Uranium Fuel") still exceed operating power reactor fees by roughly half a million dollars ($4.9M vs. $4.5M, respectively). We continue to encourage the NRC to adjust the Category I Fuel Cycle Facility regulatory effort, and in turn fees, to be commensurate with the facility risk profile." (NEI)

Response: The resources budgeted for each business line reflect the regulatory effort. In this final rule the total required annual fee recovery for the operating power reactor business line is $439.0 million, and the total annual fee recovery for the fuel facility business line is $18.0 million. The lower amount is commensurate with the lower risk at fuel facilities. This amount must be recovered from the 7 existing fuel facilities in the business line. For the Category I fuel facilities, the processes in the matrix are surrogates for the actual processes because the actual processes are classified.

No changes were made to this final rule because of this comment.

Comment: Two commenters welcomed the reductions in the fuel facilities fee class budgetary resources and annual fees in FY 2020, but felt that it is imperative that the OCFO staff take into consideration the Office of Nuclear Materials Safety and Safeguards' (NMSS) ongoing Fuel Cycle Smarter Program initiative, which will likely identify further reductions in FY 2021 fee-billable inspection hours. For planning purposes, a commensurate business line reduction in FY 2021 should closely reflect any final "Smarter Programs" inspection decisions (final reports are anticipated in Spring

2020). In the absence of such adjustments, fuel cycle facilities will experience an unnecessary increase in annual fees for FY 2021. (NEI and WEC)

Response: The fuel facilities business line is responsible for ensuring the safety and security of fuel cycle and greater than critical mass facilities. The business line leads the licensing and oversight of these facilities, as well as domestic material control and accounting and international safeguards implementation activities for the NRC. The business line also supports rulemaking and environmental review activities for fuel facilities. The NRC has taken steps to right-size the fuel facilities budget to ensure that it reflects the reduced workload in the business line. A peak workload was experienced in FY 2012 and since then, the fee class budget has decreased from $54.4 million in FY 2012 to $18.0 million in FY 2020. This represents a reduction of $36.4 million, or 67 percent within the fee class budget. The FY 2020 fuel facilities fee class budget decreased primarily due to an expected decline in license renewal applications, the decrease in the number of license amendments, the termination of the MOX Fuel Fabrication Facility construction authorization, and efficiencies gained because of changes to the Fuel Facilities Inspection Program, and workload projections.

In a public meeting conducted on March 5, 2020, on the FY 2020 proposed fee rule, the NRC provided an overview of the fuel facilities business line budget, major activities, the budget planning process (e.g., workload forecasting, types of work, and inspection activities), the reconciliation from the fuel facilities business line to the fee class budget, and the five-year trend of 10 CFR part 170 user fees and 10 CFR part 171 annual fees. Slides from this public meeting are available at ADAMS Accession No. ML20064G525.

Regarding the assertion that the NRC should reduce the fuel facilities business line budget, the NRC continues to actively evaluate resource requirements, both in terms of overall budget numbers and FTEs, to address changes that occur between budget

formulation and execution. The NRC will continue to assess resource requirements and evaluate programmatic efficiencies that could result in additional resource reductions, but a reduction in the budget is not linearly proportional as there is a cost for the infrastructure that must be maintained independent of the number of operational fuel facilities.

In this final rule, the fees assessed to the licensees and applicants by the NRC must conform to OBRA–90, which requires the NRC to collect approximately 90 percent of its FY 2020 budget authority (less certain excluded items) through both user fees and annual fees. The NRC can assess these annual fees only to licensees or certificate holders, and the annual fee schedule must be fair and equitably allocate annual fees among the NRC's many licensees. To ensure compliance with OBRA–90, the NRC makes continual organizational improvements to align the resources needed to support its regulatory activities. These actions help mitigate impacts on the remaining licensees from licensees that leave a fee class by helping the NRC continue to develop budgets that account for regulating a fee class with a declining number of licensees.

Beyond FY 2020, the NRC will continue to look for efficiencies within the fuel facilities program. Going forward, the fuel facilities business line is focusing efforts to align the agency's program of work in the fuel facilities area to workload projections and continuing to risk-inform the regulatory framework for these activities while maintaining adequate protection consistent with our principles of good regulation.

On April 26, 2019, the NRC created two working groups tasked with building smarter Fuel Cycle licensing and oversight programs. The working groups were tasked with conducting a holistic assessment of the fuel cycle licensing and oversight programs for the purpose of improving the effectiveness and efficiency of the programs. The working groups included experienced supervisors and staff members looking for areas of

transformation and innovation while adhering to the key principles of good regulation that guide the manner in which we conduct our work and make decisions.

The NRC believes that the implementation of the recommendations resulting from this effort will ensure focus on the areas of greatest safety benefit using the appropriate level of effort. Implementation of the recommendations will begin in FY 2021 and the results will be reflected in future rulemakings.

No changes were made to this final rule because of these comments.

H. Uranium Mill Tailings Radiation Control Act (Work Papers)

*Comment: "*The U.S. Department of Energy (DOE) has reviewed the proposed 10 CFR parts 170 and 171 fee schedule for FY 2020. The DOE finds that the basis for the total annual fee amount and the level of effort to support the general licenses for [UMTRCA] sites is not presented in the proposed rule or associated work papers. Additionally, the bases for allocation percentages for DOE and other uranium recovery licensees and the generic/other uranium recovery costs in the proposed rule and work papers are not presented. The DOE requests that the US NRC clarify the rationale for the various fee components that are used to determine the total charge. This will help DOE evaluate whether the proposed NRC scope is consistent with anticipated DOE activities and establish the basis for DOE's estimate of annual uranium licensee fees in its budget request." (DOE)

Response: The NRC described the overall methodology for determining fees for uranium recovery facilities, including DOE, in the 2002 fee rule (67 FR 42625; June 24, 2002), and the NRC continues to use this methodology. As the NRC explained in the FY 2020 proposed fee rule, the NRC recovers fees from DOE through both user fees charged under 10 CFR part 170 for specific UMTRCA oversight activities and annual fees charged under 10 CFR part 171 for generic and other costs related to

UMTRCA and other uranium recovery activities. As shown in the work papers referenced in the proposed fee rule, the NRC calculated the total amount of budgeted resources for UMTRCA activities related to DOE sites in the FY 2020 budget by computing the cost of staff hours budgeted to conduct the work (in terms of full-time equivalent, or FTE) and the budgeted contract costs. The total amount of budgeted resources was reduced by the amount expected to be recovered by 10 CFR part 170 user fees for site-specific UMTRCA activities. The NRC estimated the amount of 10 CFR part 170 user fees by analyzing billing data and the actual contractual work charged to DOE for the previous four quarters. The estimate, therefore, reflects any recent reductions in NRC oversight activities. The remainder of the UMTRCA budgeted amount related to DOE sites is charged to DOE for generic activities. In addition to those generic costs, DOE was charged for 10 percent of the overall generic costs attributable to the uranium recovery program. In other words, the DOE fee includes the costs of generic activities related to DOE sites and 10 percent of the overall generic costs attributable to the uranium recovery program. The remaining 90 percent of the overall generic costs is charged to the other members of the uranium recovery fee class. The work papers also provided information on all the values of the effort/benefit factors used in the uranium recovery matrix for FY 2020.

No changes were made to this final rule because of this comment.

I. Small Entity Size Standards

Comment: "Regarding small entity size standards, the NRC should consider establishing lower licensing fees by creating one or more additional ranges between the $520,000 and $7,000,000 gross annual receipts range. A fee rate schedule with more steps for small businesses would help reduce the license fee burden on the smaller entities and address small business concerns." (RE)

Response: To reduce the significance of the annual fees on a substantial number of small entities, the NRC established the maximum small entity fee in FY 1991. In FY 1992, the NRC introduced a second lower tier to the small entity fee. Because the NRC's methodology for small entity size standards has been approved by the Small Business Administration, the NRC did not modify its current methodology for this rulemaking. However, as one of the ongoing Fees Transformation initiatives, the NRC conducted a financial survey of materials licensees to determine whether changes to the size standards are needed. The NRC published a document in the *Federal Register* (85 FR 6225; February 4, 2020) announcing the survey, with a requested due date of April 30, 2020, to complete the survey. The survey results will be analyzed to determine if changes are needed to the current NRC nuclear industry-specific small entity size standards in § 2.810.

No change was made to this final rule in response to this comment.

J. Comments Generally Supporting Actions of the Agency

Several commenters expressed comments generally in favor of actions that the agency is taking with respect to fees, billing, and other aspects of the fee rule process. Comments expressed support for the public meetings NRC held on the proposed fee rule; improved efficiency and clarity of the fee and invoicing process; NRC's eBilling system; the policy change to modify the timing of when annual fees commence for power reactor licensees; actions to decrease and right-size the fuel facilities budget to right-size the budget to reflect a reduced workload; and other improvements made as part of the Fees Transformation Initiative. No change was made to this final rule in response to this comment.

K. Comments on Matters Not Related to this Rulemaking

Several commenters raised issues outside the scope of the FY 2020 fee rule. Commenters raised concerns with the agency's budgeting process and requested public participation on the agency's budget formulation process. A few commenters requested expediting efficiency efforts and engaging industry regarding additional efficiencies and risk-informing the current regulatory program. These matters are outside the scope of this final rule. The primary purpose of the rule is to update the NRC's fee schedules to recover approximately 90 percent of the NRC's budgeted authority for the current fiscal year, and to make other necessary corrections or appropriate changes to specific aspects of the NRC's fee regulations in order to ensure compliance with OBRA-90.

The NRC understands the importance of examining and improving the efficiency of its operations and the prioritization of its regulatory activities. Accordingly, the NRC has undertaken, and continues to undertake, a number of significant initiatives aimed at improving the efficiency of NRC operations and enhancing the agency's approach to regulating. Though comments raising these issues are not within the scope of this final rule, the NRC will consider this input in its future program operations.

VI. Regulatory Flexibility Certification

As required by the Regulatory Flexibility Act of 1980, as amended (RFA),[4] the NRC has prepared a regulatory flexibility analysis related to this final rule. The regulatory flexibility analysis is available as indicated in Section XIV, Availability of Documents, of this document.

[4] 5 U.S.C. 603. The RFA, 5 U.S.C. 601–612, has been amended by the Small Business Regulatory Enforcement Fairness Act of 1996, Public Law 104–121, Title II, 110 Stat. 847 (1996).

VII. Regulatory Analysis

Under OBRA-90, the NRC is required to recover approximately 90 percent of its budget authority in FY 2020. The NRC established fee methodology guidelines for 10 CFR part 170 in 1978, and established additional fee methodology guidelines for 10 CFR part 171 in 1986. In subsequent rulemakings, the NRC has adjusted its fees without changing the underlying principles of its fee policy to ensure that the NRC continues to comply with the statutory requirements for cost recovery in OBRA-90.

In this final rule, the NRC continues this longstanding approach. Therefore, the NRC did not identify any alternatives to the current fee structure guidelines and did not prepare a regulatory analysis for this final rule.

VIII. Backfitting and Issue Finality

The NRC has determined that the backfit rule, § 50.109, does not apply to this final rule and that a backfit analysis is not required. A backfit analysis is not required because these amendments do not require the modification of, or addition to, systems, structures, components, or the design of a facility, or the design approval or manufacturing license for a facility, or the procedures or organization required to design, construct, or operate a facility.

IX. Plain Writing

The Plain Writing Act of 2010 (Pub. L. 111-274) requires Federal agencies to write documents in a clear, concise, and well-organized manner. The NRC has written this document to be consistent with the Plain Writing Act, as well as the Presidential

Memorandum, “Plain Language in Government Writing,” published June 10, 1998 (63 FR 31885).

X. National Environmental Policy Act

The rule is limited to amending the NRC’s administrative requirements in 10 CFR parts 170 and 171. Therefore, this action is categorically excluded from needing environmental review, as described in § 51.22(c)(1). Consequently, neither an environmental impact statement nor an environmental assessment has been prepared for this final rule.

XI. Paperwork Reduction Act

This final rule does not contain a collection of information as defined in the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) and, therefore, is not subject to the requirements of the Paperwork Reduction Act of 1995.

Public Protection Notification

The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

XII. Congressional Review Act

This final rule is a rule as defined in the Congressional Review Act of 1996 (5 U.S.C. 801-808). The Office of Management and Budget has found it to be a major rule as defined in the Congressional Review Act.

XIII. Voluntary Consensus Standards

The National Technology Transfer and Advancement Act of 1995, Pub. L. 104-113, requires that Federal agencies use technical standards that are developed or adopted by voluntary consensus standards bodies unless the use of such a standard is inconsistent with applicable law or otherwise impractical. In this final rule, the NRC is amending the licensing, inspection, and annual fees charged to its licensees and applicants, as necessary, to recover approximately 90 percent of its budget authority in FY 2020, as required by OBRA-90. This action does not constitute the establishment of a standard that contains generally applicable requirements.

XIV. Availability of Guidance

The Small Business Regulatory Enforcement Fairness Act requires all Federal agencies to prepare a written compliance guide for each rule for which the agency is required by 5 U.S.C. 604 to prepare a regulatory flexibility analysis. The NRC, in compliance with the law, prepared the “Small Entity Compliance Guide” for the FY 2019 proposed fee rule. The NRC plans to continue to use this compliance guide for FY 2020 and has relabeled the compliance guide to reflect the current fiscal year. The FY 2020 version of the compliance guide is available as indicated in Section XIV, Availability of Documents, of this document. The next compliance guide will be developed when the NRC completes the next small entity biennial review in FY 2021.

XV. Availability of Documents

The documents identified in the following table are available to interested persons through one or more of the following methods, as indicated.

DOCUMENTS	ADAMS ACCESSION NO. / WEB LINK
SECY-05-0164, "Annual Fee Calculation Method," dated September 15, 2005	ML052580332
SECY-16-0097, "Fee Setting Improvements and Fiscal Year 2017 Proposed Fee Rule," dated August 15, 2016	ML16194A365
Staff Requirements Memorandum for SECY-16-0097, dated October 19, 2016	ML16293A902
NUREG-1100, Volume 35, "Congressional Budget Justification: Fiscal Year 2020" (February 2019)	ML19065A279
Petition for Rulemaking-171-1, "Petition to Amend 10 CFR 171.15, "Reactor Licenses and Independent Spent Fuel Storage Licenses," dated February 28, 2019	ML19081A015
"Nuclear Power Plant License Fees Upon Commencing Commercial Operation," partial consideration in the rulemaking process (84 FR 65032; November 26, 2019)	ML19304B492
FY 2020 Final Rule Work Papers	ML20142A363
"Uranium Recovery Flat Fee Pilot Initiative: A Report for the Senate Committee on Environment and Public Works and the House Committee on Energy and Commerce"	ML20010D684
FY 2020 Final Fee Rule	ML20114E208
FY 2020 Regulatory Flexibility Analysis	ML20120A537
FY 2020 U.S. Nuclear Regulatory Commission Small Entity Compliance Guide	ML19318G044
NRC Form 526, "Certification of Small Entity Status for the Purposes of Annual Fees Imposed under 10 CFR Part 171"	https://www.nrc.gov/reading-rm/doc-collections/forms/nrc526.pdf.
OMB Circular A–25, "User Charges"	https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/assets/OMB/circulars/a025/a025.html.

Fees Transformation Accomplishments	https://www.nrc.gov/about-nrc/regulatory/licensing/fees-transformation-accomplishments.html.

List of Subjects

10 CFR Part 170

Byproduct material, Import and export licenses, Intergovernmental relations, Non-payment penalties, Nuclear energy, Nuclear materials, Nuclear power plants and reactors, Source material, Special nuclear material.

10 CFR Part 171

Annual charges, Approvals, Byproduct material, Holders of certificates, Intergovernmental relations, Nonpayment penalties, Nuclear materials, Nuclear power plants and reactors, Registrations, Source material, Special nuclear material.

For the reasons set out in the preamble and under the authority of the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, as amended; and 5 U.S.C. 552 and 553, the NRC is adopting the following amendments to 10 CFR parts 170 and 171:

PART 170 -- FEES FOR FACILITIES, MATERIALS, IMPORT AND EXPORT LICENSES, AND OTHER REGULATORY SERVICES UNDER THE ATOMIC ENERGY ACT OF 1954, AS AMENDED

1. The authority citation for part 170 continues to read as follows:

Authority: Atomic Energy Act of 1954, secs. 11, 161(w) (42 U.S.C. 2014, 2201(w)); Energy Reorganization Act of 1974, sec. 201 (42 U.S.C. 5841); 42 U.S.C. 2214; 31 U.S.C. 901, 902, 9701; 44 U.S.C. 3504 note.

§ 170.20 [Amended]

2. In § 170.20, remove the dollar amount "$275" and add in its place the dollar amount "$279".

3. In § 170.21, in the table, revise the entry for "K. Import and export licenses" and footnotes 1 and 6 to read as follows:

§ 170.21 Schedule of fees for production and utilization facilities, review of standard referenced design approvals, special projects, inspections and import and export licenses.

*** * * * ***

SCHEDULE OF FACILITY FEES

[See footnotes at end of table]

Facility categories and type of fees	Fees[1 2]
* * * * *	* *
K. Import and export licenses[6]	
Licenses for the import and export only of production or utilization facilities or the export only of components for production or utilization facilities issued under 10 CFR part 110.	
1. Application for import or export of production or utilization facilities[4] (including reactors and other facilities) and exports of components requiring Commission and Executive Branch review, for example, actions under 10 CFR 110.40(b).	
Application -- new license, or amendment; or license exemption request	N/A
2. Application for export of reactor and other components requiring Executive Branch review, for example, those actions under 10 CFR 110.41(a).	
Application -- new license, or amendment; or license exemption request	N/A
3. Application for export of components requiring the assistance of the Executive Branch to obtain foreign government assurances.	

Application -- new license, or amendment; or license exemption request	N/A
4. Application for export of facility components and equipment not requiring Commission or Executive Branch review, or obtaining foreign government assurances.	
Application -- new license, or amendment; or license exemption request	N/A
5. Minor amendment of any active export or import license, for example, to extend the expiration date, change domestic information, or make other revisions which do not involve any substantive changes to license terms or conditions or to the type of facility or component authorized for export and, therefore, do not require in-depth analysis or review or consultation with the Executive Branch, U.S. host state, or foreign government authorities.	
Minor amendment to license	N/A

[1]Fees will be charged for approvals issued under a specific exemption provision of the Commission's regulations under title 10 of the *Code of Federal Regulations* (e.g., 10 CFR 50.12, 10 CFR 73.5) and any other sections in effect now or in the future, regardless of whether the approval is in the form of a license amendment, letter of approval, safety evaluation report, or other form.

[2]Full cost fees will be determined based on the professional staff time and appropriate contractual support services expended. For applications currently on file and for which fees are determined based on the full cost expended for the review, the professional staff hours expended for the review of the application up to the effective date of the final rule will be determined at the professional rates in effect when the service was provided.

***** ***** ***** ***** *****

[4]Imports only of major components for end-use at NRC-licensed reactors are authorized under NRC general import license in 10 CFR 110.27.

* * * * *

[6] Because the Further Consolidated Appropriations Act, 2020, excludes international activities from the fee-recoverable budget in FY 2020, import and export licensing actions will not incur fees.

4. In § 170.31, revise the table to read as follows:

§ 170.31 Schedule of fees for materials licenses and other regulatory services, including inspections, and import and export licenses.

***** ***** ***** ***** *****

Table 1 to § 170.31 -- SCHEDULE OF MATERIALS FEES

[See footnotes at end of table]

Category of materials licenses and type of fees[1]	Fees[2, 3]
1. Special nuclear material[11]:	
A. (1) Licenses for possession and use of U-235 or plutonium for fuel fabrication activities.	
(a) Strategic Special Nuclear Material (High Enriched Uranium)[6] [Program Code(s): 21213]	Full Cost
(b) Low Enriched Uranium in Dispersible Form Used for Fabrication of Power Reactor Fuel[6] [Program Code(s): 21210]	Full Cost
(2) All other special nuclear materials licenses not included in Category 1.A. (1) which are licensed for fuel cycle activities.[6]	
(a) Facilities with limited operations[6] [Program Code(s): 21240, 21310, 21320]	Full Cost
(b) Gas centrifuge enrichment demonstration facilities.[6] [Program Code(s): 21205]	Full Cost
(c) Others, including hot cell facilities.[6] [Program Code(s): 21130, 21133]	Full Cost
B. Licenses for receipt and storage of spent fuel and reactor-related Greater than Class C (GTCC) waste at an independent spent fuel storage installation (ISFSI)[6] [Program Code(s): 23200]	Full Cost
C. Licenses for possession and use of special nuclear material of less than a critical mass as defined in § 70.4 in sealed sources contained in devices used in industrial measuring systems, including x-ray fluorescence analyzers.[4] Application [Program Code(s): 22140]	$1,300
D. All other special nuclear material licenses, except licenses authorizing special nuclear material in sealed or unsealed form in combination that would constitute a critical mass, as defined in § 70.4 of this chapter, for which the licensee shall pay the same fees as those under Category 1.A.[4] Application [Program Code(s): 22110, 22111, 22120, 22131, 22136, 22150, 22151, 22161, 22170, 23100, 23300, 23310]	$2,600
E. Licenses or certificates for construction and operation of a uranium enrichment facility[6] [Program Code(s): 21200]	Full Cost
F. Licenses for possession and use of special nuclear material greater than critical mass as defined in § 70.4 of this chapter, for development and testing of commercial products, and other non-fuel-cycle activities.[4,6] [Program Code(s): 22155]	Full Cost
2. Source material[11]: A. (1) Licenses for possession and use of source material for refining uranium mill concentrates to uranium hexafluoride or for deconverting uranium hexafluoride in the production of uranium oxides for disposal.[6] [Program Code(s): 11400]	Full Cost

(2) Licenses for possession and use of source material in recovery operations such as milling, *in-situ* recovery, heap-leaching, ore buying stations, ion-exchange facilities, and in processing of ores containing source material for extraction of metals other than uranium or thorium, including licenses authorizing the possession of byproduct waste material (tailings) from source material recovery operations, as well as licenses authorizing the possession and maintenance of a facility in a standby mode.[6]	
(a) Conventional and Heap Leach facilities[6] [Program Code(s): 11100]	Full Cost
(b) Basic *In Situ* Recovery facilities[6] [Program Code(s): 11500]	Full Cost
(c) Expanded *In Situ* Recovery facilities[6] [Program Code(s): 11510]	Full Cost
(d) *In Situ* Recovery Resin facilities[6] [Program Code(s): 11550]	Full Cost
(e) Resin Toll Milling facilities[6] [Program Code(s): 11555]	Full Cost
(f) Other facilities[6] [Program Code(s): 11700]	Full Cost
(3) Licenses that authorize the receipt of byproduct material, as defined in Section 11e.(2) of the Atomic Energy Act, from other persons for possession and disposal, except those licenses subject to the fees in Category 2.A.(2) or Category 2.A.(4)[6] [Program Code(s): 11600, 12000]	Full Cost
(4) Licenses that authorize the receipt of byproduct material, as defined in Section 11e.(2) of the Atomic Energy Act, from other persons for possession and disposal incidental to the disposal of the uranium waste tailings generated by the licensee's milling operations, except those licenses subject to the fees in Category 2.A.(2)[6] [Program Code(s): 12010]	Full Cost
B. Licenses which authorize the possession, use, and/or installation of source material for shielding.[7, 8] Application [Program Code(s): 11210]	$1,200
C. Licenses to distribute items containing source material to persons exempt from the licensing requirements of part 40 of this chapter. Application [Program Code(s): 11240]	$4,300
D. Licenses to distribute source material to persons generally licensed under part 40 of this chapter. Application [Program Code(s): 11230, 11231]	$2,800
E. Licenses for possession and use of source material for processing or manufacturing of products or materials containing source material for commercial distribution. Application [Program Code(s): 11710]	$2,700
F. All other source material licenses. Application [Program Code(s): 11200, 11220, 11221,	

11300, 11800, 11810, 11820]	$2,700
3. Byproduct material[11]: A. Licenses of broad scope for the possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 1–5. Application [Program Code(s): 03211, 03212, 03213]	$13,100
(1). Licenses of broad scope for the possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 6–20. Application [Program Code(s): 04010, 04012, 04014]	$17,400
(2). Licenses of broad scope for the possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: more than 20. Application [Program Code(s): 04011, 04013, 04015]	$21,700
B. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 1–5. Application [Program Code(s): 03214, 03215, 22135, 22162]	$3,600
(1). Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 6–20. Application [Program Code(s): 04110, 04112, 04114, 04116]	$4,800
(2). Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: more than 20. Application [Program Code(s): 04111, 04113, 04115, 04117]	$6,000
C. Licenses issued under §§ 32.72 and/or 32.74 of this chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: 1–5. Application [Program Code(s): 02500, 02511, 02513]	$5,200
(1). Licenses issued under §§ 32.72 and/or 32.74 of this	$6,900

chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: 6–20. Application [Program Code(s): 04210, 04212, 04214]	
(2). Licenses issued under §§ 32.72 and/or 32.74 of this chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: more than 20. Application [Program Code(s): 04211, 04213, 04215]	$8,700
D. [Reserved]	N/A
E. Licenses for possession and use of byproduct material in sealed sources for irradiation of materials in which the source is not removed from its shield (self-shielded units). Application [Program Code(s): 03510, 03520]	$3,200
F. Licenses for possession and use of less than or equal to 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes. Application [Program Code(s): 03511]	$6,500
G. Licenses for possession and use of greater than 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes. Application [Program Code(s): 03521]	$62,300
H. Licenses issued under subpart A of part 32 of this chapter to distribute items containing byproduct material that require device review to persons exempt from the licensing requirements of part 30 of this chapter. The category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter. Application [Program Code(s): 03254, 03255, 03257]	$6,700
I. Licenses issued under subpart A of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require device evaluation to persons exempt from the licensing requirements of part 30 of this chapter. This category does not include specific licenses	$11,600

authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter. Application [Program Code(s): 03250, 03251, 03252, 03253, 03256]	
J. Licenses issued under subpart B of part 32 of this chapter to distribute items containing byproduct material that require sealed source and/or device review to persons generally licensed under part 31 of this chapter. This category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter. Application [Program Code(s): 03240, 03241, 03243]	$2,000
K. Licenses issued under subpart B of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require sealed source and/or device review to persons generally licensed under part 31 of this chapter. This category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter. Application [Program Code(s): 03242, 03244]	$1,100
L. Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: 1-5. Application [Program Code(s): 01100, 01110, 01120, 03610, 03611, 03612, 03613]	$5,500
(1) Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: 6-20. Application [Program Code(s): 04610, 04612, 04614, 04616, 04618, 04620, 04622]	$7,300
(2) Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: more than 20. Application [Program Code(s): 04611, 04613, 04615, 04617, 04619, 04621, 04623]	$9,100
M. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for research and development that do not authorize commercial distribution. Application [Program Code(s): 03620]	$8,300
N. Licenses that authorize services for other licensees, except: (1) Licenses that authorize only calibration and/or leak testing services are subject to the fees specified in fee	$8,900

Category 3.P.; and (2) Licenses that authorize waste disposal services are subject to the fees specified in fee Categories 4.A., 4.B., and 4.C. Application [Program Code(s): 03219, 03225, 03226]	
O. Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations. Number of locations of use: 1-5. Application [Program Code(s): 03310, 03320]	$6,400
(1). Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations. Number of locations of use: 6-20. Application [Program Code(s): 04310, 04312]	$8,500
(2). Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations. Number of locations of use: more than 20. Application [Program Code(s): 04311, 04313]	$10,600
P. All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[9] Number of locations of use: 1-5. Application [Program Code(s): 02400, 02410, 03120, 03121, 03122, 03123, 03124, 03130, 03140, 03220, 03221, 03222, 03800, 03810, 22130]	$4,700
(1). All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[9] Number of locations of use: 6-20. Application [Program Code(s): 04410, 04412, 04414, 04416, 04418, 04420, 04422, 04424, 04426, 04428, 04430, 04432, 04434, 04436, 04438]	$6,300
(2). All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[9] Number of locations of use: more than 20. Application [Program Code(s): 04411, 04413, 04415, 04417, 04419, 04421, 04423, 04425, 04427, 04429, 04431, 04433, 04435, 04437, 04439]	$7,900
Q. Registration of a device(s) generally licensed under part 31 of this chapter. Registration	$600
R. Possession of items or products containing radium-226 identified in 10 CFR 31.12 which exceed the number of items or limits specified in that section.[5] 1. Possession of quantities exceeding the number of items or limits in 10 CFR 31.12(a)(4) or (5) but less than or equal to 10 times the number of items or limits specified. Application [Program Code(s): 02700]	$2,600
2. Possession of quantities exceeding 10 times the number of items or limits specified in 10 CFR 31.12(a)(4) or (5). Application [Program Code(s): 02710]	$2,500

S. Licenses for production of accelerator-produced radionuclides. Application [Program Code(s): 03210]	$14,300
4. Waste disposal and processing:[11] A. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other persons for the purpose of contingency storage or commercial land disposal by the licensee; or licenses authorizing contingency storage of low-level radioactive waste at the site of nuclear power reactors; or licenses for receipt of waste from other persons for incineration or other treatment, packaging of resulting waste and residues, and transfer of packages to another person authorized to receive or dispose of waste material. Application [Program Code(s): 03231, 03233, 03236, 06100, 06101]	Full Cost
B. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other persons for the purpose of packaging or repackaging the material. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material. Application [Program Code(s): 03234]	$6,900
C. Licenses specifically authorizing the receipt of prepackaged waste byproduct material, source material, or special nuclear material from other persons. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material. Application [Program Code(s): 03232]	$5,000
5. Well logging[11]: A. Licenses for possession and use of byproduct material, source material, and/or special nuclear material for well logging, well surveys, and tracer studies other than field flooding tracer studies. Application [Program Code(s): 03110, 03111, 03112]	$4,600
B. Licenses for possession and use of byproduct material for field flooding tracer studies. Licensing [Program Code(s): 03113]	Full Cost
6. Nuclear laundries[11]: A. Licenses for commercial collection and laundry of items contaminated with byproduct material, source material, or special nuclear material. Application [Program Code(s): 03218]	$22,200
7. Medical licenses[11]: A. Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. Number of locations of use: 1-5. Application [Program Code(s): 02300, 02310]	$11,200
(1). Licenses issued under parts 30, 35, 40, and 70 of this	$14,800

chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. Number of locations of use: 6-20. Application [Program Code(s): 04510, 04512]	
(2). Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. Number of locations of use: more than 20. Application [Program Code(s): 04511, 04513]	$18,500
B. Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license. Number of locations of use: 1-5. Application [Program Code(s): 02110]	$8,700
(1). Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license. Number of locations of use: 6-20. Application [Program Code(s): 04710]	$11,600
(2). Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license. Number of locations of use: more than 20. Application [Program Code(s): 04711]	$14,500
C. Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices.[10] Number of locations of use: 1-5. Application [Program Code(s): 02120, 02121, 02200,	$6,600

02201, 02210, 02220, 02230, 02231, 02240, 22160]	
(1). Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices.[10] Number of locations of use: 6-20. Application [Program Code(s): 04810, 04812, 04814, 04816, 04818, 04820, 04822, 04824, 04826, 04828]	$8,800
(2). Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices.[10] Number of locations of use: more than 20. Application [Program Code(s): 04811,04813, 04815, 04817, 04819, 04821,04823, 04825, 04827, 04829]	$10,900
8. Civil defense:[11] A. Licenses for possession and use of byproduct material, source material, or special nuclear material for civil defense activities. Application [Program Code(s): 03710]	$2,600
9. Device, product, or sealed source safety evaluation: A. Safety evaluation of devices or products containing byproduct material, source material, or special nuclear material, except reactor fuel devices, for commercial distribution. Application -- each device	$10,900
B. Safety evaluation of devices or products containing byproduct material, source material, or special nuclear material manufactured in accordance with the unique specifications of, and for use by, a single applicant, except reactor fuel devices. Application -- each device	$9,000
C. Safety evaluation of sealed sources containing byproduct material, source material, or special nuclear material, except reactor fuel, for commercial distribution. Application -- each source	$5,300
D. Safety evaluation of sealed sources containing byproduct material, source material, or special nuclear material, manufactured in accordance with the unique specifications of, and for use by, a single applicant, except reactor fuel. Application -- each source	$1,100
10. Transportation of radioactive material: A. Evaluation of casks, packages, and shipping containers. 1. Spent Fuel, High-Level Waste, and plutonium air packages	Full Cost
2. Other Casks	Full Cost
B. Quality assurance program approvals issued under part 71 of this chapter. 1. Users and Fabricators.	

Application	$4,200
Inspections	Full Cost
2. Users. Application	$4,200
Inspections	Full Cost
C. Evaluation of security plans, route approvals, route surveys, and transportation security devices (including immobilization devices).	Full Cost
11. Review of standardized spent fuel facilities.	Full Cost
12. Special projects: Including approvals, pre-application/licensing activities, and inspections. Application [Program Code: 25110]	Full Cost
13. A. Spent fuel storage cask Certificate of Compliance.	Full Cost
B. Inspections related to storage of spent fuel under § 72.210 of this chapter.	Full Cost
14. Decommissioning/Reclamation[11] A. Byproduct, source, or special nuclear material licenses and other approvals authorizing decommissioning, decontamination, reclamation, or site restoration activities under parts 30, 40, 70, 72, and 76 of this chapter, including master materials licenses (MMLs). The transition to this fee category occurs when a licensee has permanently ceased principal activities. [Program Code(s): 03900, 11900, 21135, 21215, 21325, 22200]	Full Cost
B. Site-specific decommissioning activities associated with unlicensed sites, including MMLs, regardless of whether or not the sites have been previously licensed.	Full Cost
15. Import and Export licenses:[12] Licenses issued under part 110 of this chapter for the import and export only of special nuclear material, source material, tritium and other byproduct material, and the export only of heavy water, or nuclear grade graphite (fee categories 15.A. through 15.E.). A. Application for export or import of nuclear materials, including radioactive waste requiring Commission and Executive Branch review, for example, those actions under 10 CFR 110.40(b). Application -- new license, or amendment; or license exemption request	N/A
B. Application for export or import of nuclear material, including radioactive waste, requiring Executive Branch review, but not Commission review. This category includes applications for the export and import of radioactive waste and requires the NRC to consult with domestic host state authorities (i.e., Low-Level Radioactive Waste Compact Commission, the U.S. Environmental Protection Agency, etc.). Application -- new license, or amendment; or license	N/A

exemption request	
C. Application for export of nuclear material, for example, routine reloads of low enriched uranium reactor fuel and/or natural uranium source material requiring the assistance of the Executive Branch to obtain foreign government assurances. Application -- new license, or amendment; or license exemption request	N/A
D. Application for export or import of nuclear material not requiring Commission or Executive Branch review, or obtaining foreign government assurances. Application -- new license, or amendment; or license exemption request.	N/A
E. Minor amendment of any active export or import license, for example, to extend the expiration date, change domestic information, or make other revisions which do not involve any substantive changes to license terms and conditions or to the type/quantity/chemical composition of the material authorized for export and, therefore, do not require in-depth analysis, review, or consultations with other Executive Branch, U.S. host state, or foreign government authorities. Minor amendment	N/A
Licenses issued under part 110 of this chapter for the import and export only of Category 1 and Category 2 quantities of radioactive material listed in appendix P to part 110 of this chapter (fee categories 15.F. through 15.R.). *Category 1 (Appendix P, 10 CFR Part 110) Exports:* F. Application for export of appendix P Category 1 materials requiring Commission review (e.g. exceptional circumstance review under 10 CFR 110.42(e)(4)) and to obtain one government-to-government consent for this process. For additional consent see fee category 15.I. Application -- new license, or amendment; or license exemption request	N/A
G. Application for export of appendix P Category 1 materials requiring Executive Branch review and to obtain one government-to-government consent for this process. For additional consents see fee category 15.I. Application -- new license, or amendment; or license exemption request	N/A
H. Application for export of appendix P Category 1 materials and to obtain one government-to-government consent for this process. For additional consents see fee category 15.I. Application -- new license, or amendment; or license exemption request	N/A

I. Requests for each additional government-to-government consent in support of an export license application or active export license. Application -- new license, or amendment; or license exemption request	N/A
Category 2 (Appendix P, 10 CFR Part 110) Exports: J. Application for export of appendix P Category 2 materials requiring Commission review (e.g. exceptional circumstance review under 10 CFR 110.42(e)(4)). Application -- new license, or amendment; or license exemption request	N/A
K. Applications for export of appendix P Category 2 materials requiring Executive Branch review. Application -- new license, or amendment; or license exemption request	N/A
L. Application for the export of Category 2 materials. Application -- new license, or amendment; or license exemption request	N/A
M. [Reserved]	N/A
N. [Reserved]	N/A
O. [Reserved]	N/A
P. [Reserved]	N/A
Q. [Reserved]	N/A
Minor Amendments (Category 1 and 2, Appendix P, 10 CFR Part 110, Export): R. Minor amendment of any active export license, for example, to extend the expiration date, change domestic information, or make other revisions which do not involve any substantive changes to license terms and conditions or to the type/quantity/chemical composition of the material authorized for export and, therefore, do not require in-depth analysis, review, or consultations with other Executive Branch, U.S. host state, or foreign authorities. Minor amendment	N/A
16. Reciprocity: Agreement State licensees who conduct activities under the reciprocity provisions of 10 CFR 150.20. Application	$2,100
17. Master materials licenses of broad scope issued to Government agencies. Application [Program Code(s): 03614]	Full Cost
18. Department of Energy. A. Certificates of Compliance. Evaluation of casks, packages, and shipping containers (including spent fuel, high-level waste, and other casks, and plutonium	

air packages).	Full Cost
B. Uranium Mill Tailings Radiation Control Act (UMTRCA) activities.	Full Cost

[1]*Types of fees*—Separate charges, as shown in the schedule, will be assessed for pre-application consultations and reviews; applications for new licenses, approvals, or license terminations; possession-only licenses; issuances of new licenses and approvals; certain amendments and renewals to existing licenses and approvals; safety evaluations of sealed sources and devices; generally licensed device registrations; and certain inspections. The following guidelines apply to these charges:

(a) *Application and registration fees*. Applications for new materials licenses and export and import licenses; applications to reinstate expired, terminated, or inactive licenses, except those subject to fees assessed at full costs; applications filed by Agreement State licensees to register under the general license provisions of 10 CFR 150.20; and applications for amendments to materials licenses that would place the license in a higher fee category or add a new fee category must be accompanied by the prescribed application fee for each category.

(1) Applications for licenses covering more than one fee category of special nuclear material or source material must be accompanied by the prescribed application fee for the highest fee category.

(2) Applications for new licenses that cover both byproduct material and special nuclear material in sealed sources for use in gauging devices will pay the appropriate application fee for fee category 1.C. only.

(b) *Licensing fees*. Fees for reviews of applications for new licenses, renewals, and amendments to existing licenses, pre-application consultations and other documents submitted to the NRC for review, and project manager time for fee categories subject to full cost fees are due upon notification by the Commission in accordance with §170.12(b).

(c) *Amendment fees*. Applications for amendments to export and import licenses must be accompanied by the prescribed amendment fee for each license affected. An application for an amendment to an export or import license or approval classified in more than one fee category must be accompanied by the prescribed amendment fee for the category affected by the amendment, unless the amendment is applicable to two or more fee categories, in which case the amendment fee for the highest fee category would apply.

(d) *Inspection fees*. Inspections resulting from investigations conducted by the Office of Investigations and nonroutine inspections that result from third-party allegations are not subject to fees. Inspection fees are due upon notification by the Commission in accordance with §170.12(c).

(e) *Generally licensed device registrations under 10 CFR 31.5*. Submittals of registration information must be accompanied by the prescribed fee.

[2] Fees will be charged for approvals issued under a specific exemption provision of the Commission's regulations under title 10 of the *Code of Federal Regulations* (e.g., 10 CFR 30.11, 40.14, 70.14, 73.5, and any other sections in effect now or in the future), regardless of whether the approval is in the form of a license amendment, letter of approval, safety evaluation report, or other form. In addition to the fee shown, an applicant may be assessed an additional fee for sealed source and device evaluations as shown in fee categories 9.A. through 9.D.

[3]Full cost fees will be determined based on the professional staff time multiplied by the appropriate professional hourly rate established in §170.20 in effect when the service is provided, and the appropriate contractual support services expended.

[4]Licensees paying fees under categories 1.A., 1.B., and 1.E. are not subject to fees under categories 1.C., 1.D. and 1.F. for sealed sources authorized in the same license, except for an application that deals only with the sealed sources authorized by the license.

[5]Persons who possess radium sources that are used for operational purposes in another fee category are not also subject to the fees in this category. (This exception does not apply if the radium sources are possessed for storage only.)

[6]Licensees subject to fees under fee categories 1.A., 1.B., 1.E., or 2.A. must pay the largest applicable fee and are not subject to additional fees listed in this table.

[7]Licensees paying fees under 3.C., 3.C.1, or 3.C.2 are not subject to fees under 2.B. for possession and shielding authorized on the same license.

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

[9]Licensees paying fees under 3.N. are not subject to paying fees under 3.P., 3.P.1, or 3.P.2 for calibration or leak testing services authorized on the same license.

[10]Licensees paying fees under 7.B., 7.B.1, or 7.B.2 are not subject to paying fees under 7.C., 7.C.1, or 7.C.2. for broad scope licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices authorized on the same license.

[11]A materials license (or part of a materials license) that transitions to fee category 14.A is assessed full-cost fees under 10 CFR part 170, but is not assessed an annual fee under 10 CFR part 171. If only part of a materials license is transitioned to fee category 14.A, the licensee may be charged annual fees (and any applicable 10 CFR part 170 fees) for other activities authorized under the license that are not in decommissioning status.

[12]Because the Further Consolidated Appropriations Act, 2020, excludes international activities from the fee-recoverable budget in FY 2020, import and export licensing actions will not be charged fees.

PART 171 -- ANNUAL FEES FOR REACTOR LICENSES AND FUEL CYCLE LICENSES AND MATERIALS LICENSES, INCLUDING HOLDERS OF CERTIFICATES OF COMPLIANCE, REGISTRATIONS, AND QUALITY ASSURANCE PROGRAM APPROVALS AND GOVERNMENT AGENCIES LICENSED BY THE NRC

5. The authority citation for part 171 continues to read as follows:

Authority: Atomic Energy Act of 1954, secs. 11, 161(w), 223, 234 (42 U.S.C. 2014, 2201(w), 2273, 2282); Energy Reorganization Act of 1974, sec. 201 (42 U.S.C. 5841); 42 U.S.C. 2214; 44 U.S.C. 3504 note.

6. Revise § 171.3 to read as follows:

§ 171.3 Scope.

The regulations in this part apply to any person holding an operating license for a test reactor or research reactor issued under part 50 of this chapter, and to any person holding an operating license for a power reactor licensed under 10 CFR part 50 or a combined license issued under 10 CFR part 52 that has provided notification to the NRC that the licensee has successfully completed power ascension testing. The regulations

in this part also apply to any person holding a materials license as defined in this part, a Certificate of Compliance, a sealed source or device registration, a quality assurance program approval, and to a Government agency as defined in this part. Notwithstanding the other provisions in this section, the regulations in this part do not apply to uranium recovery and fuel facility licensees until after the Commission verifies through inspection that the facility has been constructed in accordance with the requirements of the license.

7. In § 171.15, revise paragraphs (a), (b)(1), (b)(2) introductory text, (c)(1), (c)(2) introductory text, (d)(1) introductory text, (d)(2) and (3), and (f) to read as follows:

§ 171.15 Annual fees: Reactor licenses and independent spent fuel storage licenses.

(a) Each person holding an operating license for a test or research reactor; each person holding an operating license for a power reactor licensed under 10 CFR part 50 or a combined license under 10 CFR part 52 that has provided notification to the NRC that the licensee has successfully completed power ascension testing; each person holding a 10 CFR part 50 or 10 CFR part 52 power reactor license that is in decommissioning or possession only status, except those that have no spent fuel onsite; and each person holding a 10 CFR part 72 license who does not hold a 10 CFR part 50 or 10 CFR part 52 license and provides notification in accordance with 10 CFR 72.80(g), shall pay the annual fee for each license held during the Federal fiscal year in which the fee is due. This paragraph (a) does not apply to test or research reactors exempted under § 171.11(b).

(b)(1) The FY 2020 annual fee for each operating power reactor that must be collected by September 30, 2020, is $4,621,000.

(2) The FY 2020 annual fees are comprised of a base annual fee for power reactors licensed to operate, a base spent fuel storage/reactor decommissioning annual fee, and associated additional charges (fee-relief adjustment). The activities comprising the spent fuel storage/reactor decommissioning base annual fee are shown in paragraphs (c)(2)(i) and (ii) of this section. The activities comprising the FY 2020 fee-relief adjustment are shown in paragraph (d)(1) of this section. The activities comprising the FY 2020 base annual fee for operating power reactors are as follows:

* * * * *

(c)(1) The FY 2020 annual fee for each power reactor holding a 10 CFR part 50 license or combined license issued under 10 CFR part 52 that is in a decommissioning or possession-only status and has spent fuel onsite, and for each independent spent fuel storage 10 CFR part 72 licensee who does not hold a 10 CFR part 50 license or a 10 CFR part 52 combined license, is $188,000.

(2) The FY 2020 annual fee is comprised of a base spent fuel storage/reactor decommissioning annual fee (which is also included in the operating power reactor annual fee shown in paragraph (b) of this section) and a fee-relief adjustment. The activities comprising the FY 2020 fee-relief adjustment are shown in paragraph (d)(1) of this section. The activities comprising the FY 2020 spent fuel storage/reactor decommissioning rebaselined annual fee are:

* * * * *

(d)(1) The fee-relief adjustment allocated to annual fees includes a surcharge for the activities listed in paragraph (d)(1)(i) of this section, plus the amount remaining after total budgeted resources for the activities included in paragraphs (d)(1)(ii) and (iii) of this section are reduced by the appropriations the NRC receives for these types of activities. If the NRC's appropriations for these types of activities are greater than the budgeted resources for the activities included in paragraphs (d)(1)(ii) and (iii) of this section for a

given fiscal year, annual fees will be reduced. The activities comprising the FY 2020 fee-relief adjustment are as follows:

* * * * *

(2) The total FY 2020 fee-relief adjustment allocated to the operating power reactor class of licenses is a $1,152,477 fee-relief credit, not including the amount allocated to the spent fuel storage/reactor decommissioning class. The FY 2020 operating power reactor fee-relief adjustment to be assessed to each operating power reactor is approximately a $12,131 fee-relief credit. This amount is calculated by dividing the total operating power reactor fee-relief credit, $1,152,477, by the number of operating power reactors (95).

(3) The FY 2020 fee-relief adjustment allocated to the spent fuel storage/reactor decommissioning class of licenses is a $71,443 fee-relief credit. The FY 2020 spent fuel storage/reactor decommissioning fee-relief adjustment to be assessed to each operating power reactor, each power reactor in decommissioning or possession-only status that has spent fuel onsite, and to each independent spent fuel storage 10 CFR part 72 licensee who does not hold a 10 CFR part 50 license, is a $586 fee-relief credit. This amount is calculated by dividing the total fee-relief credit by the total number of power reactors licenses, except those that permanently ceased operations and have no fuel onsite, and 10 CFR part 72 licensees who do not hold a 10 CFR part 50 license.

* * * * *

(f) The FY 2020 annual fees for licensees authorized to operate a research or test (non-power) reactor licensed under 10 CFR part 50, unless the reactor is exempted from fees under § 171.11(b), are as follows:

Research reactor	$81,300

Test reactor	$81,300

8. In § 171.16, revise paragraphs (c), (d), and (e) introductory text to read as follows:

§ 171.16 Annual fees: Materials licensees, holders of certificates of compliance, holders of sealed source and device registrations, holders of quality assurance program approvals, and government agencies licensed by the NRC.

* * * * *

(c) A licensee who is required to pay an annual fee under this section, in addition to 10 CFR part 72 licenses, may qualify as a small entity. If a licensee qualifies as a small entity and provides the Commission with the proper certification along with its annual fee payment, the licensee may pay reduced annual fees as shown in following table. Failure to file a small entity certification in a timely manner could result in the receipt of a delinquent invoice requesting the outstanding balance due and/or denial of any refund that might otherwise be due. The small entity fees are as follows:

NRC Small Entity Classification	**Maximum Annual Fee Per Licensed Category**
Small Businesses Not Engaged in Manufacturing (Average gross receipts over last 3 completed fiscal years):	
$485,000 to $7 million	$4,500
Less than $485,000	$900
Small Not-For-Profit Organizations (Annual Gross Receipts):	
$485,000 to $7 million	$4,500
Less than $485,000	$900
Manufacturing Entities that Have An Average of 500 Employees or Fewer:	
35 to 500 employees	$4,500
Fewer than 35 employees	$900

Small Governmental Jurisdictions (Including publicly supported educational institutions) (Population):	
20,000 to 49,999	$4,500
Fewer than 20,000	$900
Educational Institutions that are not State or Publicly Supported, and have 500 Employees or Fewer	
35 to 500 employees	$4,500
Fewer than 35 employees	$900

(d) The FY 2020 annual fees are comprised of a base annual fee and an allocation for fee-relief adjustment. The activities comprising the FY 2020 fee-relief adjustment are shown for convenience in paragraph (e) of this section. The FY 2020 annual fees for materials licensees and holders of certificates, registrations, or approvals subject to fees under this section are shown in the following table:

SCHEDULE OF MATERIALS ANNUAL FEES

AND FEES FOR GOVERNMENT AGENCIES LICENSED BY NRC

[See footnotes at end of table]

Category of materials licenses	**Annual fees**[1, 2, 3]
1. Special nuclear material:	
A. (1) Licenses for possession and use of U-235 or plutonium for fuel fabrication activities.	
(a) Strategic Special Nuclear Material (High Enriched Uranium)[15] [Program Code(s): 21213]	$5,067,000
(b) Low Enriched Uranium in Dispersible Form Used for Fabrication of Power Reactor Fuel[15] [Program Code(s): 21210]	$1,717,000
(2) All other special nuclear materials licenses not included in Category 1.A.(1) which are licensed for fuel cycle activities.	
(a) Facilities with limited operations[15] [Program Code(s): 21310, 21320]	N/A
(b) Gas centrifuge enrichment demonstration facility[15] [Program Code(s): 21205]	N/A
(c) Others, including hot cell facility[15] [Program Code(s): 21130, 21133]	N/A
B. Licenses for receipt and storage of spent fuel and reactor-related Greater than Class C (GTCC) waste at an independent spent fuel storage installation (ISFSI)[11,15] [Program Code(s): 23200]	N/A

C. Licenses for possession and use of special nuclear material of less than a critical mass, as defined in § 70.4 of this chapter, in sealed sources contained in devices used in industrial measuring systems, including x-ray fluorescence analyzers. [Program Code(s): 22140]	$2,800
D. All other special nuclear material licenses, except licenses authorizing special nuclear material in sealed or unsealed form in combination that would constitute a critical mass, as defined in § 70.4 of this chapter, for which the licensee shall pay the same fees as those under Category 1.A. [Program Code(s): 22110, 22111, 22120, 22131, 22136, 22150, 22151, 22161, 22170, 23100, 23300, 23310]	$7,000
E. Licenses or certificates for the operation of a uranium enrichment facility[15] [Program Code(s): 21200]	$2,208,000
F. Licenses for possession and use of special nuclear materials greater than critical mass, as defined in § 70.4 of this chapter, for development and testing of commercial products, and other non-fuel cycle activities.[4] [Program Code: 22155]	$5,100
2. Source material:	
A. (1) Licenses for possession and use of source material for refining uranium mill concentrates to uranium hexafluoride or for deconverting uranium hexafluoride in the production of uranium oxides for disposal.[15] [Program Code: 11400]	$510,000
(2) Licenses for possession and use of source material in recovery operations such as milling, in-situ recovery, heap-leaching, ore buying stations, ion-exchange facilities and in-processing of ores containing source material for extraction of metals other than uranium or thorium, including licenses authorizing the possession of byproduct waste material (tailings) from source material recovery operations, as well as licenses authorizing the possession and maintenance of a facility in a standby mode.	
(a) Conventional and Heap Leach facilities.[15] [Program Code(s): 11100]	N/A
(b) Basic *In Situ* Recovery facilities.[15] [Program Code(s): 11500]	$49,200
(c) Expanded *In Situ* Recovery facilities[15] [Program Code(s): 11510]	N/A
(d) *In Situ* Recovery Resin facilities.[15] [Program Code(s): 11550]	[5]N/A
(e) Resin Toll Milling facilities.[15] [Program Code(s): 11555]	[5]N/A
(f) Other facilities[6] [Program Code(s): 11700]	[5]N/A
(3) Licenses that authorize the receipt of byproduct material, as defined in Section 11e.(2) of the Atomic Energy Act, from other persons for possession and disposal, except those licenses subject to the fees in Category 2.A.(2) or Category 2.A.(4).[15] [Program Code(s): 11600, 12000]	[5]N/A
(4) Licenses that authorize the receipt of byproduct material, as defined in Section 11e.(2) of the Atomic Energy Act, from other persons for possession and disposal incidental to the disposal of the uranium waste tailings generated by the licensee's milling operations, except those licenses subject to the fees in Category 2.A.(2).[15] [Program Code(s): 12010]	N/A

B. Licenses which authorize the possession, use, and/or installation of source material for shielding.[16,17] Application [Program Code(s): 11210]	$3,100
C. Licenses to distribute items containing source material to persons exempt from the licensing requirements of part 40 of this chapter. [Program Code: 11240]	$7,700
D. Licenses to distribute source material to persons generally licensed under part 40 of this chapter. [Program Code(s): 11230 and 11231]	$6,000
E. Licenses for possession and use of source material for processing or manufacturing of products or materials containing source material for commercial distribution. [Program Code: 11710]	$7,400
F. All other source material licenses. [Program Code(s): 11200, 11220, 11221, 11300, 11800, 11810, 11820]	$9,100
3. Byproduct material: A. Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 1–5. [Program Code(s): 03211, 03212, 03213]	$27,900
(1). Licenses of broad scope for the possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 6–20. [Program Code(s): 03211, 03212, 03213]	$37,100
(2). Licenses of broad scope for the possession and use of byproduct material issued under parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: more than 20. [Program Code(s): 04011, 04013, 04015]	$46,300
B. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 1–5. [Program Code(s): 03214, 03215, 22135, 22162]	$11,300
(1). Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: 6–20. [Program Code(s): 04110, 04112, 04114, 04116]	$15,000
(2). Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution. Number of locations of use: more than 20. [Program Code(s): 04111, 04113, 04115, 04117]	$18,700
C. Licenses issued under §§ 32.72 and/or 32.74 of this chapter that	

authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: 1–5. [Program Code(s): 02500, 02511, 02513]	$10,500
(1). Licenses issued under §§ 32.72 and/or 32.74 of this chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: 6–20. [Program Code(s): 04210, 04212, 04214]	$13,800
(2). Licenses issued under §§ 32.72 and/or 32.74 of this chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4). Number of locations of use: more than 20. [Program Code(s): 04211, 04213, 04215]	$17,400
D. [Reserved]	[5]N/A
E. Licenses for possession and use of byproduct material in sealed sources for irradiation of materials in which the source is not removed from its shield (self-shielded units) [Program Code(s): 03510, 03520]	$11,700
F. Licenses for possession and use of less than or equal to 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials in which the source is not exposed for irradiation purposes [Program Code(s): 03511]	$10,700
G. Licenses for possession and use of greater than 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials in which the source is not exposed for irradiation purposes [Program Code(s): 03521]	$85,200
H. Licenses issued under subpart A of part 32 of this chapter to distribute items containing byproduct material that require device review to persons exempt from the licensing requirements of part 30 of this chapter, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter [Program Code(s): 03254, 03255, 03257]	$10,700
I. Licenses issued under subpart A of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require device evaluation to persons exempt from the	$16,900

licensing requirements of part 30 of this chapter, except for specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter [Program Code(s): 03250, 03251, 03252, 03253, 03256]	
J. Licenses issued under subpart B of part 32 of this chapter to distribute items containing byproduct material that require sealed source and/or device review to persons generally licensed under part 31 of this chapter, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter [Program Code(s): 03240, 03241, 03243]	$4,100
K. Licenses issued under subpart B of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require sealed source and/or device review to persons generally licensed under part 31 of this chapter, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter [Program Code(s): 03242, 03244]	$3,000
L. Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: 1-5. [Program Code(s): 01100, 01110, 01120, 03610, 03611, 03612, 03613]	$15,000
(1) Licenses of broad scope for possession and use of product material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: 6-20. [Program Code(s): 04610, 04612, 04614, 04616, 04618, 04620, 04622]	$19,800
(2) Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution. Number of locations of use: more than 20. [Program Code(s): 04611, 04613, 04615, 04617, 04619, 04621, 04623]	$24,700
M. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for research and development that do not authorize commercial distribution [Program Code(s): 03620]	$14,400
N. Licenses that authorize services for other licensees, except: (1) Licenses that authorize only calibration and/or leak testing services are subject to the fees specified in fee Category 3.P.; and (2) Licenses that authorize waste disposal services are subject to the fees specified in fee categories 4.A., 4.B., and 4.C.[21] [Program Code(s): 03219, 03225, 03226]	$18,100
O. Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations. This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when authorized on the same license Number of locations of use: 1-5. [Program Code(s): 03310, 03320]	$29,900
(1). Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations.	

This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when authorized on the same license. Number of locations of use: 6-20. [Program Code(s): 04310, 04312]	$40,000
(2). Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations. This category also includes the possession and use of source material for shielding authorized under part 40 of this chapter when authorized on the same license. Number of locations of use: more than 20. [Program Code(s): 04311, 04313]	$49,800
P. All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[18] Number of locations of use: 1-5. [Program Code(s): 02400, 02410, 03120, 03121, 03122, 03123, 03124, 03140, 03130, 03220, 03221, 03222, 03800, 03810, 22130]	$9,700
(1). All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[18] Number of locations of use: 6-20. [Program Code(s): 04410, 04412, 04414, 04416, 04418, 04420, 04422, 04424, 04426, 04428, 04430, 04432, 04434, 04436, 04438]	$13,000
(2). All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.[18] Number of locations of use: more than 20. [Program Code(s): 04411, 04413, 04415, 04417, 04419, 04421, 04423, 04425, 04427, 04429, 04431, 04433, 04435, 04437, 04439]	$16,300
Q. Registration of devices generally licensed under part 31 of this chapter	[13]N/A
R. Possession of items or products containing radium–226 identified in 10 CFR 31.12 which exceed the number of items or limits specified in that section:[14] (1). Possession of quantities exceeding the number of items or limits in 10 CFR 31.12(a)(4), or (5) but less than or equal to 10 times the number of items or limits specified [Program Code(s): 02700]	$7,000
(2). Possession of quantities exceeding 10 times the number of items or limits specified in 10 CFR 31.12(a)(4) or (5) [Program Code(s): 02710]	$7,300
S. Licenses for production of accelerator-produced radionuclides [Program Code(s): 03210]	$30,300
4. Waste disposal and processing: A. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other persons for the purpose of contingency storage or commercial land disposal by the licensee; or licenses authorizing contingency storage of low-level radioactive waste at the site of nuclear power reactors; or licenses for receipt of waste from other persons for incineration or other treatment, packaging of resulting waste and residues, and transfer of packages to another person authorized to receive or dispose of waste material. [Program Code(s): 03231, 03233, 03235, 03236, 06100, 06101]	$31,900
B. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other	

persons for the purpose of packaging or repackaging the material. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material. [Program Code(s): 03234]	$18,100
C. Licenses specifically authorizing the receipt of prepackaged waste byproduct material, source material, or special nuclear material from other persons. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material. [Program Code(s): 03232]	$10,200
5. Well logging:	
A. Licenses for possession and use of byproduct material, source material, and/or special nuclear material for well logging, well surveys, and tracer studies other than field flooding tracer studies. [Program Code(s): 03110, 03111, 03112]	$14,300
B. Licenses for possession and use of byproduct material for field flooding tracer studies. [Program Code(s): 03113]	[5]N/A
6. Nuclear laundries:	
A. Licenses for commercial collection and laundry of items contaminated with byproduct material, source material, or special nuclear material. [Program Code(s): 03218]	$34,000
7. Medical licenses:	
A. Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: 1-5. [Program Code(s): 02300, 02310]	$25,300
(1). Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: 6-20. [Program Code(s): 04510, 04512]	$33,600
(2). Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: more than 20. [Program Code(s): 04511, 04513]	$42,000
B. Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in	$30,800

teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: 1-5. [Program Code(s): 02110]	
(1). Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: 6-20. [Program Code(s): 04710]	$41,100
(2). Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9] Number of locations of use: more than 20. [Program Code(s): 04711]	$51,200
C. Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9, 19] Number of locations of use: 1-5. [Program Code(s): 02120, 02121, 02200, 02201, 02210, 02220, 02230, 02231, 02240, 22160]	$14,800
(1). Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9, 19] Number of locations of use: 6-20. [Program Code(s): 04810, 04812, 04814, 04816, 04818, 04820, 04822, 04824, 04826, 04828]	$19,700
(2). Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.[9, 19] Number of locations of use: more than 20. [Program Code(s): 04811, 04813, 04815, 04817, 04819, 04821, 04823, 04825, 04827, 04829]	$24,500

8. Civil defense: A. Licenses for possession and use of byproduct material, source material, or special nuclear material for civil defense activities. [Program Code(s): 03710]	$7,000
9. Device, product, or sealed source safety evaluation: A. Registrations issued for the safety evaluation of devices or products containing byproduct material, source material, or special nuclear material, except reactor fuel devices, for commercial distribution	$13,800
B. Registrations issued for the safety evaluation of devices or products containing byproduct material, source material, or special nuclear material manufactured in accordance with the unique specifications of, and for use by, a single applicant, except reactor fuel devices	$11,400
C. Registrations issued for the safety evaluation of sealed sources containing byproduct material, source material, or special nuclear material, except reactor fuel, for commercial distribution	$6,700
D. Registrations issued for the safety evaluation of sealed sources containing byproduct material, source material, or special nuclear material, manufactured in accordance with the unique specifications of, and for use by, a single applicant, except reactor fuel	$1,400
10. Transportation of radioactive material: A. Certificates of Compliance or other package approvals issued for design of casks, packages, and shipping containers. 1. Spent Fuel, High-Level Waste, and plutonium air packages 2. Other Casks	 [6]N/A [6]N/A
B. Quality assurance program approvals issued under part 71 of this chapter. 1. Users and Fabricators 2. Users	 [6]N/A [6]N/A
C. Evaluation of security plans, route approvals, route surveys, and transportation security devices (including immobilization devices)	[6]N/A
11. Standardized spent fuel facilities	[6]N/A
12. Special Projects [Program Code(s): 25110]	[6]N/A
13. A. Spent fuel storage cask Certificate of Compliance	[6]N/A
B. General licenses for storage of spent fuel under 10 CFR 72.210	[12]N/A
14. Decommissioning/Reclamation: A. Byproduct, source, or special nuclear material licenses and other approvals authorizing decommissioning, decontamination, reclamation, or site restoration activities under parts 30, 40, 70, 72, and 76 of this chapter, including master materials licenses (MMLs). The transition to this fee category occurs when a licensee has permanently ceased principal activities. [Program Code(s): 03900, 11900, 21135, 21215, 21325, 22200]	[7,20]N/A
B. Site-specific decommissioning activities associated with unlicensed sites, including MMLs, whether or not the sites have been previously licensed	[7]N/A
15. Import and Export licenses	[8]N/A

16. Reciprocity	[8]N/A
17. Master materials licenses of broad scope issued to Government agencies.[15] [Program Code(s): 03614]	$312,000
18. Department of Energy: A. Certificates of Compliance	[10]$1,007,000
B. Uranium Mill Tailings Radiation Control Act (UMTRCA) activities [Program Code(s): 03237, 03238]	$120,000

[1]Annual fees will be assessed based on whether a licensee held a valid license with the NRC authorizing possession and use of radioactive material during the current FY. The annual fee is waived for those materials licenses and holders of certificates, registrations, and approvals who either filed for termination of their licenses or approvals or filed for possession only/storage licenses before October 1 of the current FY, and permanently ceased licensed activities entirely before this date. Annual fees for licensees who filed for termination of a license, downgrade of a license, or for a possession-only license during the FY and for new licenses issued during the FY will be prorated in accordance with the provisions of §171.17. If a person holds more than one license, certificate, registration, or approval, the annual fee(s) will be assessed for each license, certificate, registration, or approval held by that person. For licenses that authorize more than one activity on a single license (e.g., human use and irradiator activities), annual fees will be assessed for each category applicable to the license.

[2]Payment of the prescribed annual fee does not automatically renew the license, certificate, registration, or approval for which the fee is paid. Renewal applications must be filed in accordance with the requirements of parts 30, 40, 70, 71, 72, or 76 of this chapter.

[3]Each FY, fees for these materials licenses will be calculated and assessed in accordance with §171.13 and will be published in the Federal Register for notice and comment.

[4]Other facilities include licenses for extraction of metals, heavy metals, and rare earths.

[5]There are no existing NRC licenses in these fee categories. If NRC issues a license for these categories, the Commission will consider establishing an annual fee for this type of license.

[6]Standardized spent fuel facilities, 10 CFR parts 71 and 72 Certificates of Compliance and related Quality Assurance program approvals, and special reviews, such as topical reports, are not assessed an annual fee because the generic costs of regulating these activities are primarily attributable to users of the designs, certificates, and topical reports.

[7]Licensees in this category are not assessed an annual fee because they are charged an annual fee in other categories while they are licensed to operate.

[8]No annual fee is charged because it is not practical to administer due to the relatively short life or temporary nature of the license.

[9]Separate annual fees will not be assessed for pacemaker licenses issued to medical institutions that also hold nuclear medicine licenses under fee categories 7.A, 7.A.1, 7.A.2, 7.B., 7.B.1, 7.B.2, 7.C, 7.C.1, or 7.C.2.

[10]This includes Certificates of Compliance issued to the U.S. Department of Energy that are not funded from the Nuclear Waste Fund.

[11]See §171.15(c).

[12]See §171.15(c).

[13]No annual fee is charged for this category because the cost of the general license registration program applicable to licenses in this category will be recovered through 10 CFR part 170 fees.

[14]Persons who possess radium sources that are used for operational purposes in another fee category are not also subject to the fees in this category. (This exception does not apply if the radium sources are possessed for storage only.)

[15]Licensees subject to fees under categories 1.A., 1.B., 1.E., 2.A., and licensees paying fees under fee category 17 must pay the largest applicable fee and are not subject to additional fees listed in this table.

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

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

[18]Licensees paying fees under 3.N. are not subject to paying fees under 3.P., 3.P.1, or 3.P.2 for calibration or leak testing services authorized on the same license.

[19]Licensees paying fees under 7.B., 7.B.1, or 7.B.2 are not subject to paying fees under 7.C., 7.C.1, or 7.C.2 for broad scope license licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices authorized on the same license.

[20]No annual fee is charged for a materials license (or part of a materials license) that has transitioned to this fee category because the decommissioning costs will be recovered through 10 CFR part 170 fees, but annual fees may be charged for other activities authorized under the license that are not in decommissioning status.

[21]Licensees paying fees under 4.A., 4.B. or 4.C. are not subject to paying fees under 3.N. licenses that authorize services for other licensees authorized on the same license.

(e) The fee-relief adjustment allocated to annual fees includes the budgeted resources for the activities listed in paragraph (e)(1) of this section, plus the total budgeted resources for the activities included in paragraphs (e)(2) and (3) of this section, as reduced by the appropriations the NRC receives for these types of activities. If the NRC's appropriations for these types of activities are greater than the budgeted resources for the activities included in paragraphs (e)(2) and (3) of this section for a given fiscal year, a negative fee-relief adjustment (or annual fee reduction) will be allocated to annual fees. The activities comprising the FY 2020 fee-relief adjustment are as follows:

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9. In § 171.17, revise paragraphs (a) introductory text and (a)(1) and (2) to read as follows:

§ 171.17 Proration.

* * * * *

(a) Reactors, 10 CFR part 72 licensees who do not hold 10 CFR part 50 or 10 CFR part 52 licenses, and materials licenses with annual fees of $100,000 or greater for a single fee category. The NRC will base the proration of annual fees for terminated and downgraded licenses on the fee rule in effect at the time the action is official. The NRC will base the determinations on the proration requirements under paragraphs (a)(2) and (3) of this section.

(1) *New licenses.* (i) The annual fees for new licenses for power reactors that are subject to fees under this part, for which the licensee has notified the NRC on or after October 1 of a fiscal year (FY) that the licensee has successfully completed power ascension testing, are prorated on the basis of the number of days remaining in the FY. Thereafter, the full annual fee is due and payable each subsequent FY.

(ii) The annual fees for new licenses for non-power reactors, 10 CFR part 72 licensees who do not hold 10 CFR part 50 or 10 CFR part 52 licenses, and materials licenses with annual fees of $100,000 or greater for a single fee category for the current FY, that are subject to fees under this part and are granted a license to operate on or after October 1 of a FY, are prorated on the basis of the number of days remaining in the FY. Thereafter, the full annual fee is due and payable each subsequent FY.

(2) *Terminations.* The base operating power reactor annual fee for operating reactor licensees who have requested amendment to withdraw operating authority permanently during the FY will be prorated based on the number of days during the FY the license was in effect before docketing of the certifications for permanent cessation of operations and permanent removal of fuel from the reactor vessel or when a final legally effective order to permanently cease operations has come into effect. The spent fuel storage/reactor decommissioning annual fee for reactor licensees who permanently cease operations and have permanently removed fuel from the site during the FY will be prorated on the basis of the number of days remaining in the FY after docketing of both

the certifications of permanent cessation of operations and permanent removal of fuel from the site. The spent fuel storage/reactor decommissioning annual fee will be prorated for those 10 CFR part 72 licensees who do not hold a10 CFR part 50 or 10 CFR part 52 license who request termination of the 10 CFR part 72 license and permanently cease activities authorized by the license during the FY based on the number of days the license was in effect before receipt of the termination request. The annual fee for materials licenses with annual fees of $100,000 or greater for a single fee category for the current FY will be prorated based on the number of days remaining in the FY when a termination request or a request for a possession-only license is received by the NRC, provided the licensee permanently ceased licensed activities during the specified period.

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Dated: June 5, 2020.

For the Nuclear Regulatory Commission.

Cherish K. Johnson,
Chief Financial Officer.

[FR Doc. 2020-13031 Filed: 6/18/2020 8:45 am; Publication Date: 6/19/2020]