

JUL 20 1981

MEMORANDUM FOR: Herb Berkow, Chief, Management Analysis Branch, Planning and Program Analysis Staff, NRR
FROM: William O. Miller, Chief, License Fee Management Branch, ADM
SUBJECT: REQUEST FOR NPT. AMENDMENT DATA

This will follow-up our meeting with you and representatives of MPA on July 13, 1981 concerning facility data to be used for the revision of the fee schedule. With respect to data for amendments relating to power and test and research reactors, we have reviewed Section K-1 (enclosed) of the Operating Reactors Licensing Action Summary dated June 1981 (NUREG-0748) and find that the information presented is summary or average-type information for each power reactor fee class. It does not provide the high and low range for each fee class which is needed for the schedule. We have discussed this matter with Bill Usilton, MPA, hoping to get the detailed information in support of the Section K-1 table. We understand that a special program would have to be written to capture the data (i.e., the backup). MPA is exploring this alternative. We have also discussed this matter with Les Barnett, CON, but the information he has concerning completed amendment actions is not identified by fee class. As we indicated in the meeting, we are working with very tight time constraints in order to get a staff paper to the Commission by the end of August. We would appreciate your assistance in providing the range of manpower, by fee class, expended by NRR for power as well as test and research reactors. Please show the power reactor manpower separate from the test and research reactors. Since our records reflect that there were no Class V or Class VI amendments approved during FY 1981, we do not anticipate that the system will identify any manpower for these two classes. We would, however, appreciate it if you would provide a best estimate for these two areas. As we indicated in the meeting, the data provided to Congressman Udall will be used in establishing the range for processing CP's and OL's.

We wish to make two additional observations concerning the K-1 table. First, a rate of \$70 per hour has been used for comparison purposes. We have been unable to determine the source of this rate. Second, the table shows that there has been 999 completed actions during the period October-May 1981 with no fee class. This represents approximately 80% of the total completed actions. What do the 999 completed actions represent? Are they all exempt from fees or are they cases where the actions were subject to fees but the fee category was not entered into the system for reporting purposes? Please clarify.

We appreciate your cooperation in this matter.

DISTRIBUTION:

License Fee File LFMB R/F (2)
DMiller, LFMB
DHolloway, LFMB ✓

Original Signed by
Wm. O. Miller

William O. Miller, Chief
License Fee Management Branch

WOM

8302180084 830111	Office of Administration	LFMB:ADM	LFMB:ADM
PDR FOIA			
KNOWLES82-607 PDR			
cc: Isaac Kirk		CDHolloway:y	WOMiller
William Usilton		7/19/81	7/20/81

R-1208621-001

TECHNICAL ASSIGNMENT CONTROL SYSTEM
COMPLETED LICENSING ACTIONS BY FEE CLASS

FISCAL YEAR: 1981

REPORT DATE: 06/12/81

FEE CLASS	COMPLETED ACTIONS		MANHOURS		AVG HOURS/ACTION		AVG COST/ACTION	
	MAR. 1981	FY TO DATE	TOTAL FY 81	TOTAL TO DATE	FOR FY 81	TO DATE	FIXED BY REG	ACTUAL @ \$70/HR
NONE	386	999	23,634.1	66,327.1	23.6	66.3	N/A	\$4,641
1	29	68	725.3	1,689.3	10.6	24.8	400	\$1,736
2	17	39	800.8	1,213.3	20.5	31.1	1,200	\$2,177
3	62	135	4,786.3	7,236.2	35.4	53.6	4,000	\$3,752
4	10	20	1,714.5	3,869.0	85.7	193.4	12,300	\$13,538
5	0	0	0.0	0.0	0.0	0.0	25,800	\$0
6	0	0	0.0	0.0	0.0	0.0	45,900	\$0
TOTAL	504	1,261	31,661.0	80,334.9	25.1	63.7		\$25,844

Calculation Of Materials License Fees

Category	New License Review					Renewal Review					Amendment Review				
	Process Time (M/H)		Cost Per M/H	Cost Range		Process Time (M/H)		Cost Per M/H	Cost Range		Process Time (M/H)		Cost Per M/H	Cost Range	
	From	To		From	To	From	To		From	To	From	To			
SNM Licenses For Processing & Fuel Fabrication Highly Enriched Uranium (> 20%)															
Safety Review	1,440	2,700	\$50	\$ 72,000	\$ 135,000	00	1,440	\$50	\$45,000	\$ 72,000	6	900	\$50	\$300	\$ 45,000
Safety Contracts				175,000	250,000				30,000	125,000				-0-	60,000
Subtotal Safety				\$247,000	\$385,000				\$75,000	\$197,000				\$300	\$105,000
Safeguards	3,600	7,200	\$50	\$180,000	\$ 360,000	00	1,800	\$50	\$15,000	\$ 90,000	4	1,000	\$50	\$200	\$ 50,000
Total				\$427,000	\$ 745,000				\$90,000	\$287,000					
SNM Licenses For Processing & Fuel Fabrication Low Enriched Uranium (< 20%)															
Safety Review	1,440	2,700	\$50	\$ 72,000	\$135,000	00	1,440	\$50	\$45,000	\$ 72,000	6	900	\$50	\$300	\$ 45,000
Safety Contracts				175,000	250,000				30,000	125,000				-0-	60,000
Subtotal Safety				\$247,000	\$385,000				\$75,000	\$197,000				\$300	\$105,000
Safeguards	1,800	3,600	\$50	\$ 90,000	\$180,000	00	900	\$50	\$10,000	\$ 45,000	4	600	\$50	\$200	\$ 30,000
Total				\$337,000	\$565,000				\$85,000	\$242,000					

10-7

AA-6

Calculation of Materials License Fees

Category	New License Review			Renewal Review			Amendment Review		
	Process Time (M/H)	Cost Per M/H	Cost Range	Process Time (M/H)	Cost Per M/H	Cost Range	Process Time (M/H)	Cost Per M/H	Cost Range
	From		From To	From		From To	From		From To
SNM Licenses For Uranium Processing and Fuel Fabrication	5,400	\$50	\$270,000	2,700	\$50	\$135,000	6	\$50	\$300
			\$450,000			\$90,000			\$0-
			\$250,000			\$80,000			\$300
			\$520,000			\$170,000			\$200
Safeguards	5,400	\$50	\$270,000	1,800	\$50	\$90,000	4	\$50	\$200
			\$790,000			\$185,000			\$425,000
SNM Licenses with quantities of 5Kgs or more of U-235 or 2Kgs or more of U-233 for other than fuel processing or fabrication	720	\$50	\$36,000	500	\$50	\$27,000	6	\$50	\$300
			\$100,000			\$15,000			\$0-
			\$136,000			\$42,000			\$300
			\$90,000			\$27,000			\$200
Safeguards	180	\$50	\$9,000	20	\$50	\$1,000	4	\$50	\$200
			\$145,000			\$43,000			\$105,000
Total									
			\$72,000			\$80,000			\$72,000
			\$152,000			\$152,000			\$152,000
			\$50,000			\$50,000			\$50,000
			\$45,000			\$45,000			\$45,000
			\$60,000			\$60,000			\$60,000
			\$105,000			\$105,000			\$105,000
			\$7,500			\$7,500			\$7,500

Calculation of Materials License Fees

Fee Category	New Licenses Review			Renewal Review			Amendment Review						
	Profess. Process Time (M/H) From To	Cost Per M/H	Cost Range From To	Profess. Process Time (M/H) From To	Cost Per M/H	Cost Range From To	Profess. Process Time (M/H) From To	Cost Per M/H	Cost Range From To				
SNM Licenses for possession and use of quantities of plutonium of 2Kgs or more for activities other than fuel processing	900	2,700	\$50	\$45,000	900	\$50	\$45,000	6	900	\$50	\$300	\$45,000	
				100,000			30,000					80,000	\$60,000
				\$145,000			\$66,000					\$300	\$105,000
				\$270,000			\$15,000					\$200	\$50,000
Safeguards	5,400	10,800	\$50	\$540,000	2,000	\$50	\$100,000	4	1,000	\$50	\$200	\$50,000	
Total				\$115,000			\$81,000					\$252,000	
SNM Licenses for possession and use of 200 grams but less than 2Kgs of plutonium	720	1,800	\$50	\$36,000	200	\$50	\$10,000	6	900	\$50	\$300	\$45,000	
				100,000			15,000					60,000	\$60,000
				\$136,000			\$42,000					\$300	\$105,000
				\$90,000			\$1,000					\$200	\$7,000
Safeguards	180	1,800	\$50	\$90,000	200	\$50	\$10,000	4	140	\$50	\$200	\$7,000	
Total				\$145,000			\$43,000					\$105,000	

Category	New License Review			Renewal Review			Amendment Review		
	Profess. Process Time (M/H) From To	Cost Per M/H From To	Cost Range From To	Profess. Process Time (M/H) From To	Cost Per M/H From To	Cost Range From To	Profess. Process Time (M/H) From To	Cost Per M/H From To	Cost Range From To
Spent Fuel Storage									
Licenses for receipt and storage of spent fuel where the independent operator - fuel storage installation is to be located at the site of an existing facility	1,620	3,240 \$50	\$ 81,000 \$100,000 \$181,000						
Safety Review			\$162,000				6	900 \$50	\$ 300
Safety Contracts			200,000						-0-
Subtotal Safety			\$362,000						\$300
Safeguards	180	540 \$50	\$ 27,000				4	120 \$50	\$ 200
Total			\$389,000						\$ 6,000
Licenses for milling operations									
Safety Review	1,000	1,600 \$50	\$ 80,000 250,000				5	500 \$50	\$ 250
Safety Contracts			\$200,000						-0-
Total Safety			\$330,000						\$ 250

NO ESTIMATE

Licenses for milling operations

Calculation of Materials License Fees

Category	New License Review					Renewal Review					Amendment Review				
	Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range	
	From	To		From	To	From	To		From	To	From	To			
Licenses for processing and recovery of source material in in-situ leaching or high heap leach operations															
<u>Commercial Scale Activity</u>															
Safety Review	700	1,000	\$50	\$ 35,000	\$ 50,000	700	\$50	\$10,000	\$35,000	5	400	\$50	\$250	\$20,000	
Safety Contracts				<u>150,000</u>	<u>200,000</u>			<u>10,000</u>	<u>50,000</u>				<u>-0-</u>	<u>20,000</u>	
Total Safety				<u>\$185,000</u>	<u>\$250,000</u>			<u>\$20,000</u>	<u>\$85,000</u>				<u>\$250</u>	<u>\$40,000</u>	
<u>D Scale Activity</u>															
Safety Review	400	700	\$50	\$ 20,000	\$ 35,000	350	\$50	\$ 5,000	\$17,500	5	200	\$50	\$250	\$10,000	
Safety Contracts				<u>-0-</u>	<u>50,000</u>			<u>-0-</u>	<u>20,000</u>				<u>-0-</u>	<u>10,000</u>	
Total Safety				<u>\$ 20,000</u>	<u>\$ 85,000</u>			<u>\$ 5,000</u>	<u>\$37,500</u>				<u>\$250</u>	<u>\$20,000</u>	
Licenses for refining uranium mill concentrates															
uranium hexafluoride															
Safety Review	1,440	2,700	\$50	\$ 72,000	\$135,000	1,440	\$50	\$45,000	\$ 72,000	6	900	\$50	\$300	\$ 45,000	
Safety Contracts				<u>175,000</u>	<u>250,000</u>			<u>30,000</u>	<u>125,000</u>				<u>-0-</u>	<u>60,000</u>	
Total Safety				<u>\$247,000</u>	<u>\$385,000</u>			<u>\$75,000</u>	<u>\$197,000</u>				<u>\$300</u>	<u>\$105,000</u>	

Calcul. of Materials License Fees

Fee Category	New License Review					Renewal Review					Amendment Review				
	Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range	
	From	To		From	To	From	To		From	To	From	To			
Licenses for ion exchange and ore-leaching stations	200	500	\$50	\$10,000	\$25,000	3	263	\$50	\$ 2,500	\$10,000	5	100	\$50	\$250	\$ 5,000
Safety Review				-0-	25,000				-0-	10,000				-0-	5,000
Safety Contracts															
Total Safety				<u>\$10,000</u>	<u>\$50,000</u>				<u>\$ 2,500</u>	<u>\$20,000</u>				<u>\$250</u>	<u>\$ 10,000</u>
Commercial waste disposal involving material															
Safety Review	900	7,200	\$50	\$45,000	\$360,000	10	3,600	\$50	\$25,000	\$180,000	1	900	\$50	\$ 50	\$ 45,000
Safety Contracts				-0-	400,000				-0-	200,000				-0-	100,000
Total Safety				<u>\$45,000</u>	<u>\$760,000</u>				<u>\$25,000</u>	<u>\$380,000</u>				<u>\$ 50</u>	<u>\$145,000</u>
Licenses issued pursuant to 10 CFR 30 specifically authorizing on-agency storage of low level waste at power reactor sites.															
Safety Review	360	900	\$50	\$18,000	\$ 45,000	0	540	\$50	\$ 9,000	\$ 27,000	6	540	\$50	\$300	\$ 27,000
Safety Contracts				20,000	50,000				15,000	25,000				-0-	25,000
Total Safety				<u>\$18,000</u>	<u>\$ 95,000</u>				<u>\$24,000</u>	<u>\$ 52,000</u>				<u>\$300</u>	<u>\$ 52,000</u>

Materials License Fees

Fee Category	New License Review					Renewal Review					Amendment Review				
	Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range		Profess. Process Time (M/H)		Cost Per M/H =	Cost Range	
	From	To		From	To	From	To		From	To	From	To			
A Evaluation of spent fuel casks or greater than 20 W decay heat															
Safety Review	800	1,800	\$50	\$10,000	\$90,000	24	\$50	\$400	\$1,200	8	400	\$50	\$400	\$20,000	
Safety Contracts				-0-	60,000			-	-				-0-	20,000	
Total Safety				<u>\$10,000</u>	<u>\$150,000</u>			<u>\$400</u>	<u>\$1,200</u>				<u>\$400</u>	<u>\$40,000</u>	
B Evaluation of spent fuel casks or less than 20 W decay heat; air shipping packages for Pu, etc.															
Safety Review	700	1,600	\$50	\$35,000	\$80,000	24	\$50	\$400	\$1,200	8	400	\$50	\$400	\$20,000	
Safety Contracts				-0-	50,000			-	-				-0-	20,000	
Total Safety				<u>\$35,000</u>	<u>\$130,000</u>			<u>\$400</u>	<u>\$1,200</u>				<u>\$400</u>	<u>\$40,000</u>	
C Evaluation of missile packages containing greater than type "A" quantities															
Safety Review	200	600	\$50	\$10,000	\$30,000	16	\$50	\$200	\$600	4	200	\$50	\$200	\$10,000	
Safety Contracts				-0-	30,000			-	-				-0-	20,000	
Total Safety				<u>\$10,000</u>	<u>\$60,000</u>			<u>\$200</u>	<u>\$600</u>				<u>\$200</u>	<u>\$30,000</u>	

Calculation Of Materials License Fees

Fee Category	New License Review					Renewal Review					Amendment Review											
	Profess. Process Time (M/H)		X	Cost Per M/H	=	Cost Range		Profess. Process Time (M/H)		X	Cost Per M/H	=	Cost Range		Profess. Process Time (M/H)		X	Cost Per M/H	=	Cost Range		
	From	To				From	To	From	To				From	To	From	To						
D Evaluation of fissile packages containing less than type "A" quantities																						
Safety Review	100	400	50		\$5,000		\$20,000		16	\$50		\$200		\$800		4	100	\$50		\$200		\$5,000
Safety Contracts					-0-		20,000					-		-					-0-		10,000	
Total Safety					<u>\$5,000</u>		<u>\$40,000</u>					<u>\$200</u>		<u>\$800</u>					<u>\$200</u>		<u>\$15,000</u>	
E Evaluation of package containing radioactive material less than 20 times the type "A" quantity																						
Safety Review	50	300	50		\$2,500		\$15,000		16	\$50		\$200		\$800		4	100	\$50		\$200		\$5,000
Safety Contracts					-0-		10,000					-		-					-0-		10,000	
Total Safety					<u>\$2,500</u>		<u>\$25,000</u>					<u>\$200</u>		<u>\$800</u>					<u>\$200</u>		<u>\$15,000</u>	

R-1203621-001

FISCAL YEAR: 1981

TECHNICAL ASSIGNMENT CONTROL SYSTEM
 COMPLETED LICENSING ACTIONS BY FEE CLASS

PAGE: K-1

REPORT DATE: 06/12/81

FEE CLASS	COMPLETED ACTIONS		MAN HOURS		AVG HOURS/ACTION		AVG COST/ACTION	
	MAR. 1981	FY TO DATE	1	TOTAL TO DATE	FOR FY 81	TO DATE	FIXED BY REG	ACTUAL @ \$70/HR
NONE	386	999	23.6	36,327.1	23.6	66.3	N/A	\$4,641
1	29	68	7.7	1,689.3	10.6	24.8	400	\$1,736
2	17	39	8.2	1,213.3	20.5	31.1	1,200	\$2,177
3	62	135	4.7	7,236.2	35.6	53.6	4,000	\$3,752
4	10	20	1.7	3,869.0	85.7	193.4	12,300	\$13,538
5	0	0		0.0	0.0	0.0	25,800	\$0
6	0	0		0.0	0.0	0.0	45,900	\$0
TOTAL	504	1,261	31.0	30,334.9	25.1	63.7		\$25,844

COST RANGE FOR PART 50 AMENDMENTS

	<u>MANPOWER RANGE</u>	<u>COST RANGE</u>
Power Reactors	1 Hour to 1,769.2 Hours	\$50 to \$90,229
Test and Research Reactors	1 Hour to 374 Hours	\$50 to \$19,074

RANGE OF INSPECTION FEES FOR FACILITY LICENSES
FOR INSPECTIONS CONDUCTED DURING YEAR

AG-2

Category	ROUTINE INSPECTION FEES				REACTIVE INSPECTION FEES			
	Safety		Safeguards		Safety		Safeguards	
	From	To	From	To	From	To	From	To
<u>Power Reactors</u>								
Single Unit Site	\$57,340	\$134,655	\$3,700	\$12,390	\$3,760	\$64,860	-0-	\$4,465
Multiple Unit Site	48,175	81,310 ^{1/}	2,115	7,285 ^{1/}	3,995	23,970 ^{1/}	-0-	2,350 ^{1/}
Research Reactor Site	36,895	63,215 ^{1/}	1,800	6,375 ^{1/}	7,050	19,270 ^{1/}	-0-	2,115 ^{1/}
<u>Test & Research Reactors</u>	705	2,115	205	705	-0-	705	-0-	705
<u>Session Only Licenses</u>	376	1,128	47	98	-0-	376	-0-	376

See...

Notes:
Range Applies To Each Unit At The Site.

RANGE OF INSPECTION FEES FOR RETAILERS LICENSES
FOR INSPECTIONS COMPLETED DURING YEAR

AC-3

License Category	ROUTINE INSPECTION FEES				REACTIVE INSPECTION FEES			
	Safety		Safeguards		Safety		Safeguards	
	From	To	From	To	From	To	From	To
1A	\$1,974	\$18,424	\$23,876	\$37,000	-0-	\$8,460	-0-	\$36,989 ^{1/}
1B	1,974	13,818	2,444	17,400	-0-	8,037	-0-	31,772
1C	3,807	14,993	4,982	6,750	-0-	8,037	-0-	24,440
1D	-0-	1,128	13,724	17,400	-0-	5,734	-0-	8,319
1E & 1F	NO LICENSES IN THESE CATEGORIES							
1G	1,598	3,196	21,594	37,000	752	1,504	\$5,969	9,729
1H	1,598	3,196	7,349	17,400	752	1,504	-0-	2,867
2A	1,598	2,068	N/A	N/A	752	893	N/A	N/A
2B	-0-	893	N/A	N/A	-0-	893	N/A	N/A
2C	1,598	2,068	N/A	N/A	752	893	N/A	N/A
4A	235	329 ^{2/}	N/A	N/A	47	188 ^{2/}	N/A	N/A
Exchange Buying Stations	564	1,128	N/A	N/A	-0-	564	N/A	N/A
Exchange Facilities	564	1,128	N/A	N/A	-0-	564	N/A	N/A

Source: 1-5

NOTES:

- 1 Excludes NFS Erwin.
- 2 Range would double if licensee located in non-agreement state.