

SEP 21 1981

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MEMORANDUM FOR: Paul Collins, Chief, Operator Licensing Branch, NRR
FROM: C. James Holloway, Jr., Assistant Chief, License Fee Management Branch, ADM
SUBJECT: NRC COSTS FOR THE OPERATOR LICENSING PROGRAM

This will confirm my meeting with you on September 11, 1981 concerning the above subject. Based on workload data developed for the operator licensing program, you indicated that the following manpower information should be used in developing license fees for the operator licensing program:

<u>Type of Examination</u>	<u>NRR Professional Manpower (M/Y)</u>
<u>Power Reactor-Operating License</u>	
Cold Exam	.30
Initial Hot Exam	.23
Total Cold & Initial Hot Exam - OL	.53
<u>Requalification, Replacement & Reexams</u>	
Requalification Exams	.90
Replacement & Reexams	.42
Total for requalification, replacement and reexams per site/per year (50-55 Sites)	1.32
<u>Research & Test Reactors</u> <i>professional manpower effort total per year > 50 Examiners visit 10 4/11/81 = 2.0k years</i>	
Replacement and Reexams per site/per year (70 Sites) <i>25 days/yr x 2 = 450 days / 70/450 = 6.43 man days</i>	6 Man days

The above information will be used to develop fees for Commission consideration.

Signed, C. James Holloway, Jr.

C. James Holloway, Jr., Assistant Chief
License Fee Management Branch
Office of Administration

cc: John Zwolinski

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ICE	LFME	8302180117	830111				
ME	CJH	PDR FOIA	KNOWLES82-607	PDR			
TE		9/21/81					

Distribution of NMSS's Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	NMSS's Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 84,466	\$ 150,161	\$ 234,627
Controller	63	37	182,743	107,325	290,068
Mgt. Info. Program Control	57	43	168,231	126,912	295,143
Administration	64	36	799,256	449,582	1,248,838
Exec. Dir. Operations	71	29	161,279	65,874	227,153
Exec. Legal Director	76	24	262,293	82,829	345,122
Totals			\$1,658,268	\$ 982,683	\$ 2,640,951
Percentage			63%	37%	100%
			<u>Salaries & Benefits</u>	<u>All Other Costs</u>	<u>Totals</u>
NMSS Budget Data Used in Calculation of Rate For Professional Services					
Personnel Benefit Costs			600,000	-	600,000
Administrative Support Costs				\$1,720,000	1,720,000
Travel Costs				530,000	530,000
NMSS Proportionate Share Of PDA & PTS Costs (See Above)			1,658,268	982,683	2,640,951
Added Factor			-	81,420	81,420
Less Consultants			(85,624)		(85,624)
Totals			\$8,872,644	\$3,314,103	\$12,186,747
Professional Man-Years		÷	176	176	176
Professional Cost Per Man-Year			\$50,413	\$18,830	\$69,243
Professional Cost Per Man-Hour			\$28	\$10	\$38

Distribution Of NRR'S Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	NRR Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 183,133	\$ 325,571	\$ 508,704
Controller	63	37	405,773	238,311	644,084
Mgt. Info. Program Control	57	43	530,575	400,259	930,834
Administration	64	36	1,774,883	998,371	2,773,254
Exec. Dir. Operations	71	29	161,279	65,874	227,153
Exec. Legal Director	76	24	491,800	155,305	647,105
Totals			\$ 3,547,443	\$ 2,183,691	\$ 5,731,134
Percentage			62%	38%	100%

Salaries & Benefits All Other Costs

NRR Budget Data Used in Computation of Rate for Fee Program

Personnel Benefits Costs	1,590,000	-	1,590,000
Administrative Support Costs		\$4,460,000	4,460,000
Travel Costs		810,000	810,000
Less Consultants	(106,675)	-	(106,675)
NRR's Proportionate Share of PDA & PTS Costs (See Above)	3,547,443	2,183,691	5,731,134
Training Costs	-	300,000	300,000
Added Factor	-	180,835	180,835
Totals	\$22,730,768	\$7,934,526	\$30,665,294
Professional Man-Years	÷	438	438
Professional Cost Per Man-Year		\$51,897	\$70,011
Professional Cost Per Man-Hour		\$29	\$39

Distribution of IE's Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	IE's Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 62,041	\$ 110,295	\$ 172,336
Controller	63	37	391,914	230,171	622,085
Mgt. Info. Program Control	57	43	20,705	15,620	36,325
Administration	64	36	1,714,022	964,138	2,678,160
Exec. Dir. Operations	71	29	80,640	32,937	113,577
Exec. Legal Director	76	24	32,786	10,354	43,140
Totals			\$ 2,302,108	\$ 1,363,515	\$ 3,665,623
Percentage			63%	37%	100%
			<u>Salaries & Benefits</u>	<u>All Other Costs</u>	<u>Totals</u>

IE Budget Data used in Computation of Rate for FY 1977 Purposes

Personnel Benefits Costs	1,370,000	-	1,370,000
Administrative Support Costs		\$ 3,920,000	3,920,000
Travel Costs		1,770,000	1,770,000
IE's Proportionate Share of PDA & PTS Costs (See Above)	2,302,108	1,363,515	3,665,623
Training Costs	-	56,000	56,000
Added Factor	-	275,130	275,130
Totals	\$18,852,108	\$ 7,384,645	\$26,236,753
Professional Man-Years	406	406	406
Professional Cost Per Man-Year	\$46,434	\$18,189	\$64,623
Professional Cost Per Man-Hour	\$26	\$10	\$36

Distribution of ACRS Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	ACRS Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 11,212	\$ 19,933	\$ 31,145
Controller	63	37	24,495	14,386	38,881
Mgt. Info. Program Control	57	43	-	-	-
Administration	64	36	106,816	60,084	166,900
Exec. Dir. Operations	71	29	-	-	-
Exec. Legal Director	76	24	-	-	-
Totals			\$ 142,523	\$ 94,403	\$ 236,926
Percentage			60%	40%	100%
			Salaries & Benefits	All Other Costs	Totals
ACRS Budget Data Used In Computation of Rate For Fee Purposes					
Personnel Benefits Costs			102,413	-	102,413
Administrative Support Costs			-	\$ 268,424	268,424
Travel Costs			-	348,000	348,000
Program Support Cases			-	537,000	537,000
ACRS's Proportionate Share of PDA & PTS Costs (See Above)			142,523	94,403	236,926
Added Factor			-	10,915	10,915
Totals			\$1,280,447	\$1,258,742	\$2,539,189
Professional Man-Years			26.5	28.5	26.5
Professional Cost Per Man-Year			\$44,928	\$44,166	\$89,094
Professional Cost Per Man-Hour			\$25	\$25	\$50

Distribution of ASLAP Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	ASLAP Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 20,182	\$ 35,879	\$ 56,061
Controller	63	37	11,280	6,625	17,905
Mgt. Info. Program Control	57	43	-	-	-
Administration	64	36	49,060	27,597	76,657
Exec. Dir. Operations	71	29	-	-	-
Exec. Legal Director	76	24	-	-	-
Totals			\$ 80,522	\$ 70,101	\$150,623
Percentage			53%	47%	100%
			Salaries & Benefits	All Other Costs	Totals
ASLAP Budget Data Used In Computation Of Rate For Fee Purposes					
Personnel Benefits Costs			47,055	-	47,055
Administrative Support Costs			-	\$123,330	\$123,330
Travel Costs			-	25,000	25,000
Program Support Costs			-	15,000	15,000
ASLAP's Proportionate Share of PDA & PTS Costs (See Above)			80,522	70,101	150,623
Added Factor			-	5,015	5,015
Totals			\$603,352	\$238,446	\$841,798
Professional Man-Years		÷	9.56	9.56	9.56
Professional Cost Per Man-Year			\$63,112	\$24,942	\$88,054
Professional Cost Per Man-Hour			\$35	\$14	\$49

Distribution Of ASLBP Proportionate Share
Of PDA & PTS Costs Between Salaries & Benefits
And All Other Costs - FY 1977 Budget

Office	% Of Budget Salaries & Benefits	% Of Budget All Other Costs	ASLBP Proportionate Share Of PDA and PTS Costs		Totals
			Salaries & Benefits	All Other Costs	
Secretary	36%	64%	\$ 80,728	\$143,517	\$ 224,245
Controller	63	37	27,879	16,373	44,252
Mgt. Info. Program Control	57	43	-	-	-
Administration	64	36	121,720	68,468	190,188
Exec. Dir. Operations	71	29	-	-	-
Exec. Legal Director	76	24	-	-	-
Totals			\$ 230,327	\$228,358	\$ 458,685
Percentage			50%	50%	100%

ASLBP Budget Data Used In Computation of Rate For Fee Purposes

	Salaries & Benefits	All Other Costs	Totals
Personnel Benefit Costs	116,253	-	116,253
Administrative Support Costs	-	\$304,698	304,698
Travel Costs	-	127,000	127,000
Program Support Costs	-	230,000	230,000
ASLBP's Proportionate Share of PDA & PTS Costs (See Above)	230,327	228,358	458,685
Added Factor	-	12,390	12,390
Totals	\$1,522,025	\$902,446	\$2,424,471
Professional Man-Years	28.38	28.38	28.38
Professional Cost Per Man-Year	\$53,630	\$31,799	\$85,429
Professional Cost Per Man-Hour	\$30	\$17	\$47

Computation Of Range
For Construction Permit and Operating License Fees

<u>Type Of Review</u>	<u>Average Professional Processing Time (M/Y)</u>		<u>Cost Per Man-Year</u>	<u>Cost Range</u>	
	<u>From</u>	<u>To</u>		<u>From</u>	<u>To</u>
<u>Construction Permit</u>					
		A A - 7			
NRR Manpower	14.00	21.00	\$ 91,540	\$1,281,560	\$1,922,340
NRR Contracts	-	-	-	500,000	600,000
IE Manpower	.42	.42	84,428	35,460	35,460
IE Contracts				3,000	3,000
NMSS Manpower	.18	.18	90,492	16,289	16,289
ACRS Manpower	.20	.60	115,546	23,109	69,328
ASLBP Manpower	.50	.50	111,264	55,632	55,632
ASLAP Manpower	<u>.25</u>	<u>1.00</u>	115,031	<u>28,758</u>	<u>115,031</u>
Totals	15.40	23.55		\$1,943,808	\$2,817,080

Operating License

NRR Manpower	16.50	18.50	\$ 91,540	\$1,510,410	\$1,693,490
NRR Contracts	-	-	-	450,000	500,000
IE Manpower	2.68	2.68	84,428	226,267	226,267
IE Contracts	-	-	-	28,000	28,000
NMSS Manpower	.30	.30	90,492	27,148	27,148
NMSS Contracts	-	-	-	25,000	25,000
ACRS Manpower	.30	.70	115,546	34,664	80,882
ASLBP Manpower	.50	.50	111,264	55,632	55,632
ASLAP Manpower	<u>0</u>	<u>1.0</u>	115,031	<u>0</u>	<u>115,031</u>
Totals	20.28	23.68		\$2,357,121	\$2,751,450