



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

APR 17 1984

MEMORANDUM FOR: *J. Asselstine*  
Commissioner Asselstine

FROM: William J. Dircks  
Executive Director for Operations

SUBJECT: SECY-83-495 - CEILING FOR ROUTINE INSPECTION OF POWER REACTORS

In your April 3, 1984 memorandum, you requested the rationale for the proposed \$166,100 ceiling for routine safety and safeguards inspections of power reactors. The ceiling is based on data which were provided for 1981 inspection activities. The data showed an estimated range of 1,300 to 3,135 hours for a typical plant for routine inspections during FY 1981. In computing the ceiling shown in SECY-83-495, the staff used the top of the range for safety and safeguards inspection effort (3,135 hours) and multiplied the number of hours by the hourly rate established for IE (\$53) to arrive at the ceiling of \$166,000.

The data provided by IE were based on approximately six months of FY 1981 data. Enclosed is a list of actual routine health and safety and safeguards inspection hours (preparation time, site time and documentation time) for all plants that were in operation in FY 1981. Analysis of data covering the full year (FY 1981) for plants in operation shows that the range is approximately 900 to 5,900 hours. Of the 75 plants listed, 57 (76%) fall below the proposed ceiling of \$166,000. As indicated in SECY-83-495, we intend to update fees annually to take into account any changes in cost. At such time all ceilings would be reevaluated.

William J. Dircks  
Executive Director for Operations

Enclosures:

1. IE 7/27/81 memo
2. Computer Printout 4/9/84

cc: Chairman Palladino  
Commissioner Gilinsky  
Commissioner Roberts  
Commissioner Bernthal  
OGC  
OPE  
SECY

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PDR FOIA  
REYNOLD84-564 PDR

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JUL 27 1981

MEMORANDUM FOR: Daniel J. Donoghue, Director  
Office of Administration

FROM: Victor Stello, Jr., Director  
Office of Inspection and Enforcement

SUBJECT: PROPOSED LICENSE FEE SCHEDULE REVISION

I have reviewed your proposal to use actual inspection manhours for license fee purposes, rather than a flat rate, as a way to recover more of the costs of performing inspections. More specifically, you propose to use manpower expended for all routine and reactive work plus all associated preparation and documentation effort, but not direct travel time. There are certain aspects of this proposal that I would like to have changed. First, I see numerous problems associated with trying to bill licensees for certain reactive work such as investigations, enforcement actions, and incident response effort. However, reactive inspections are more analogous to routine inspection activity and could logically be combined with the routine effort. Second, I believe it would make sense to include direct travel time since it is time that must be expended to conduct on-site inspections and is certainly as much a part of the overall inspection activity as writing the inspection report itself. You also proposed to include IE contractual support dollars. I understand that the program support costs of other offices that are now included in license fee billings are those that can be specifically identified with a given docket. None of our contracts are docket specific. Unless we establish an elaborate accounting mechanism to track contract costs on a per docket basis, I see no way of including any of IE's program support costs.

You asked me to provide a range of manhours expended at reactors and fuel facilities. I have done so for reactors, but I need more time to compute good statistics for the classes of fuel facilities you have specified. I will provide this information to you in the near future.

Victor Stello, Jr., Director  
Office of Inspection and Enforcement

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Range of Inspection Manpower Expected Per Typical Licensee  
For Inspections Conducted During FY 1961  
(Man-Hours)

Category (170.23 & 170.24)	Routine inspections				Reactive Inspections			
	Safety		Safeguards		Safety		Safeguards	
	From	To	From	To	From	To	From	To
Power Reactor Sites:								
Single Unit	1,220	2,865	80	270	80	1,380	0	95
Dual Unit	1,025	1,730	45	155	85	510	0	50
Triple Unit	785	1,345	40	125	150	410	0	45
Test and Research Reactors	15	45	5	15	0	15	0	15
Production or Utilization Facility Licensed for possession but not operation								

170.32

1A  
1B  
1C  
1D  
1E  
1F  
1G  
1H  
2A  
2B  
2C  
4A

New Categories

Ore Buying Station

Ion Exchange facilities

02/84

ROUTINE SAFETY & SAFEGUARDS INSPECTION  
FOR FY81

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	DOCKET NO	FACILITY NAME	TOTAL REGULAR HOURS
CKETNO TOTAL	05000313	ARKANSAS 1	2,768.2
CKETNO TOTAL	05000368	ARKANSAS 2	2,163.0
CKETNO TOTAL	05000334	BEAVER VALLEY 1	2,968.5
CKETNO TOTAL	05000155	BIG ROCK POINT 1	2,142.5
CKETNO TOTAL	05000259	BROWNS FERRY 1	2,717.2
CKETNO TOTAL	05000260	BROWNS FERRY 2	1,621.7
CKETNO TOTAL	05000296	BROWNS FERRY 3	1,612.7
CKETNO TOTAL	05000325	BRUNSWICK 1	2,414.0
CKETNO TOTAL	05000324	BRUNSWICK 2	2,359.6
CKETNO TOTAL	05000317	CALVERT CLIFFS 1	1,864.0
CKETNO TOTAL	05000318	CALVERT CLIFFS 2	1,352.0
CKETNO TOTAL	05000315	COOK 1	2,686.0
CKETNO TOTAL	05000316	COOK 2	2,654.5
CKETNO TOTAL	05000298	COOPER STATION	2,729.0
CKETNO TOTAL	05000302	CRYSTAL RIVER 3	4,585.3
CKETNO TOTAL	05000346	DAVIS-BESSE 1	4,093.0
CKETNO TOTAL	05000010	DRESDEN 1	300.0
CKETNO TOTAL	05000237	DRESDEN 2	1,941.5
CKETNO TOTAL	05000249	DRESDEN 3	1,228.5
CKETNO TOTAL	05000331	DUANE ARNOLD	3,147.5
CKETNO TOTAL	05000348	FARLEY 1	2,139.5
CKETNO TOTAL	05000364	FARLEY 2	2,090.0
CKETNO TOTAL	05000333	FITZPATRICK	2,788.0
CKETNO TOTAL	05000285	FORT CALHOUN 1	2,935.5

ROUTINE SAFETY & SAFEGUARDS INSPECTION  
FOR FY81

	DOCKET NO	FACILITY NAME	TOTAL REGULAR HOURS
KEINO TOTAL	05000267	<u>FORT ST VRAIN</u>	3,360.5
KEINO TOTAL	05000244	GINNA	2,325.5
KEINO TOTAL	05000213	HADDAM NECK	1,782.0
KEINO TOTAL	05000321	HATCH 1	1,300.0
KEINO TOTAL	05000366	HATCH 2	1,118.0
KEINO TOTAL	05000003	INDIAN POINT 1	116.0
KEINO TOTAL	05000247	INDIAN POINT 2	3,023.5
KEINO TOTAL	05000286	INDIAN POINT 3	2,842.5
KEINO TOTAL	05000305	<u>KEWAUNEE</u>	3,351.5
KEINO TOTAL	05000409	LA CROSSE	2,985.0
KEINO TOTAL	05000309	<u>MAINE YANKEE</u>	3,234.0
KEINO TOTAL	05000369	<u>MCGUIRE 1</u>	3,740.5
KEINO TOTAL	05000245	MILLSTONE 1	1,984.7
KEINO TOTAL	05000336	MILLSTONE 2	894.8
KEINO TOTAL	05000263	MONTICELLO	2,692.0
KEINO TOTAL	05000220	<u>NINE MILE POINT 1</u>	3,775.0
KEINO TOTAL	05000338	NORTH ANNA 1	1,945.3
KEINO TOTAL	05000339	NORTH ANNA 2	1,426.2
KEINO TOTAL	05000269	OCONEE 1	2,083.2
KEINO TOTAL	05000270	OCONEE 2	1,485.0
KEINO TOTAL	05000287	OCONEE 3	1,578.0
KEINO TOTAL	05000219	OYSTER CREEK 1	2,877.5
KEINO TOTAL	05000255	<u>PALISADES</u>	3,521.5



ROUTINE SAFETY & SAFEGUARDS INSPECTION  
FOR FY81

	DOCKET NO	FACILITY NAME	TOTAL REGULAR HOURS
KEINO TOTAL	05000277	PEACH BOTTOM 2	1,378.0
KEINO TOTAL	05000278	PEACH BOTTOM 3	1,640.0
KEINO TOTAL	05000293	PILGRIM 1	2,408.5
KEINO TOTAL	05000266	POINT BEACH 1	1,838.5
KEINO TOTAL	05000301	POINT BEACH 2	1,989.5
KEINO TOTAL	05000282	PRAIRIE ISLAND 1	1,633.0
KEINO TOTAL	05000306	PRAIRIE ISLAND 2	1,865.5
KEINO TOTAL	05000254	QUAD CITIES 1	2,514.0
KEINO TOTAL	05000265	QUAD CITIES 2	2,469.5
KEINO TOTAL	05000312	<u>RANCHO SECO 1</u>	4,823.5
KEINO TOTAL	05000261	<u>ROBINSON 2</u>	3,446.0
KEINO TOTAL	05000272	SALEM 1	2,602.0
KEINO TOTAL	05000311	SALEM 2	2,173.0
KEINO TOTAL	05000206	<u>SAN ONOFRE 1</u>	4,714.2
KEINO TOTAL	05000327	SEQUOYAH 1	2,777.0
KEINO TOTAL	05000328	<u>SEQUOYAH 2</u>	4,396.0
KEINO TOTAL	05000335	<u>ST LUCIE 1</u>	4,726.5
KEINO TOTAL	05000280	SURRY 1	1,693.6
KEINO TOTAL	05000281	SURRY 2	1,653.6
KEINO TOTAL	05000289	<u>THREE MILE ISLAND 1</u>	5,678.5
KEINO TOTAL	05000320	<u>THREE MILE ISLAND 2</u>	3,259.5
KEINO TOTAL	05000344	<u>TROJAN</u>	5,872.5
KEINO TOTAL	05000250	TURKEY POINT 3	1,971.5
KEINO TOTAL	05000251	TURKEY POINT 4	1,783.0

ROUTINE SAFETY & SAFEGUARDS INSPECTION  
FOR FY81

	DOCKET NO	FACILITY NAME	TOTAL REGULAR HOURS
KEINO TOTAL	05000271	VERMONT YANKEE 1	3,160.0
KEINO TOTAL	05000029	YANKEE-ROWE 1	1,967.5
KEINO TOTAL	05000295	ZION 1	2,717.5
KEINO TOTAL	05000304	ZION 2	2,054.5

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ROUTINE SAFETY & SAFEGUARDS INSPECTION  
FOR FY81

DOCKET NO		FACILITY NAME	TOTAL REGULAR HOURS
AND TOTAL			189,950.3