

File No: 98-101
Date Rec'd: 3-10-98
Action: Pugh
Related Case: 98-098

From: Rod Buckles <rbuckles@NUS.COM>
To: FOIA <foia@nrc.gov>
Date: 3/9/98 4:11pm
Subject: NRC Inspection Hours Reported at Regulatory Information Conference

Dear Sir/Ma'am:

Pursuant to the Freedom of Information Act, USC Paragraph 552, and to the NRC's FOIA regulations, I hereby request the following:

1. FY-97 NRC Inspection Hours at each Nuclear Power Plant; similar information was provided for FY-96 at NRC's 1997 Regulatory Information Conference;
2. Access to the White Book referenced in the handout provided at the 1997 Reg Info Conference; and
3. Description of how the hours presented in the White Book are compiled (i.e., Are the following activities included in the inspection hours tabulated in the RIC handout: direct inspection hours by RIs, SRIs, Regional & HQ inspectors; hours reviewing documents to support inspections; and preparation & review/approval of inspection reports?)

In advance, I agree to pay research costs up to \$500. If you believe the costs will exceed my authorization of \$500, please contact me via phone, email, or fax.

I look forward to your acknowledgement of my FOIA request.

Best Regards,
Rod Buckles, Manager
Licensing Information Service (LIS)
NUS Information Services, Inc. (NUSIS)
Ph.: 813/669-3021
Fax: 813/669-3100
Email: rbuckles@nus.com



**REGULATORY
INFORMATION CONFERENCE
April 1997**

Office of Nuclear Reactor Regulation

REGULATORY TRENDS

- I. Performance Indicator Trends**
- II. NRR Regulatory Effort Trends**

**TOTAL INSPECTION EFFORT FOR SINGLE UNIT SITES
FY 1996 (10/1/95 - 9/30/96)**

PLANT	TOTAL HOURS	MEDIAN HOURS
KEWAUNEE	2754.4	
INDIAN POINT 2	3294.7	
CALLAWAY	3375.7	
MONTICELLO	3688.0	
SUMMER	3735.5	3545.4
FTZPATRICK	3748.3	
DUANE AERNOLD	3764.0	
HARRIS 1	3764.1	
BIG ROCK POINT	3783.8	
GRAND GULF 1	3974.3	
FORT CALHOUN 1	4291.8	
DAVIS-BESSE	4348.0	
VERMONT YANKEE	4389.5	
THREE MILE ISLAND 1	4644.0	4647.0
SEABROOK 1	4937.7	
PILGRIM 1	4953.5	
OYSTER CREEK	5127.7	
WOLF CREEK 1	5156.4	
PERRY 1	5323.8	
WASHINGTON NUCLEAR 2	5492.9	
CLINTON	5498.0	
PALISADES	5521.8	
ROBINSON 2	5544.7	6442.1
MAINE YANKEE	5919.0	
MILLSTONE 2	6396.0	
HOPE CREEK 1	6404.8	
WATERFORD 3	6553.7	
COOPER	6610.3	
RIVER BEND	6651.9	
FERMI 2	6803.5	
GENA	6840.1	
INDIAN POINT 3	7131.5	8400.0
MILLSTONE 3	8410.2	
MILLSTONE 1	8534.5	
HADDAM NECK	10472.8	
CRYSTAL RIVER 3	10777.0	
WATTS BAR 1	11767.7	

Source: White Book - End of FY 1996

TOTAL INSPECTION EFFORT FOR DUAL UNIT SITES
FY 1996 (10/1/95 - 9/30/96)

	TOTAL HOURS	MEDIAN HOURS
PLANT		
* NORTH ANNA 1,2	3628.0	
COMANCHE PEAK 1,2	4034.9	
PRAIRIE ISLAND 1,2	4282.7	
* TURKEY POINT 3,4	4399.5	4450.5
PEACH BOTTOM 2,3	4520.9	
* LIMERICK 1,2	4716.7	
FARLEY 1,2	4826.9	
VOGTLE 1,2	5234.4	
* BYRON 1,2	5352.2	
DIABLO CANYON 1,2	5651.6	
SAN ONOFRE 2,3	5730.2	
MCGUIRE 1,2	5773.7	5818.5
BRUNSWICK 1,2	5808.7	
* SUSQUEHANNA 1,2	5940.2	
BRAIDWOOD 1,2	6015.3	
POINT BEACH 1,2	6276.5	
CALVERT CLIFFS 1,2	6381.0	
SOUTH TEXAS 1,2	6740.7	
NINE MILE POINT 1,2	6787.4	
BEAVER VALLEY 1,2	7029.6	7100.5
COOK 1,2	7299.3	
SURRY 1,2	7357.3	
HATCH 1,2	7598.1	
CATAWBA 1,2	7610.5	
QUAD CITIES 1,2	7629.0	
ARKANSAS 1,2	7643.2	
ST. LUCIE 1,2	7760.7	
LASALLE 1,2	7882.4	
SEQUOYAH 1,2	8531.3	8993.3
ZION 1,2	9563.1	
BROWNS FERRY 2,3	9648.7	
SALEM 1,2	10269.9	
DRESDEN 2,3	12011.5	

* Site with N + 1 exemption

Source: White Book - End of FY 1996

**TOTAL INSPECTION EFFORT FOR TRIPLE UNIT SITES
FY 1996 (10/1/95 - 9/30/96)**

PLANT	TOTAL HOURS	MEDIAN HOURS
PALO VERDE 1,2,3	7300.3	
OCONEE 1,2,3	7878.0	7589.2

**TOTAL EFFORT FOR SINGLE UNIT SITES
FY 1996 (10/1/95 - 9/30/96)**

PLANT	TOTAL HOURS	MEDIAN HOURS
INDIAN POINT 2	4977.0	
SUMMER	5880.4	
HARRIS 1	5904.2	
KEWAUNEE	6160.7	
BIG ROCK POINT	6549.6	6324.8
MONTICELLO	6798.9	
CALLAWAY	6845.2	
VERMONT YANKEE	6901.8	
DUANE ARNOLD	6905.5	
FITZPATRICK	7303.4	
GRAND GULF 1	7493.7	
SEABROOK 1	7504.8	
CLINTON	7918.4	
THREE MILE ISLAND 1	7958.9	8096.8
DAVIS-BESSE	8191.8	
FORT CALHOUN 1	8194.3	
PILGRIM 1	8639.4	
PERRY 1	8700.1	
COOPER	9063.1	
RIVER BEND	9123.2	
OYSTER CREEK	9144.2	
ROBINSON 2	9420.1	
HOPE CREEK 1	9519.8	
WOLF CREEK 1	9614.8	9911.5
MILLSTONE 2	9894.2	
WATERFORD 3	9928.2	
MAINE YANKEE	11255.0	
FERMI 2	11303.7	
INDIAN POINT 3	11342.8	
PALISADES	11948.1	
MILLSTONE 3	12719.7	
WASHINGTON NUCLEAR 2	13435.2	
GINNA	13697.6	15086.5
WATTS BAR 1	15937.1	
HADDAM NECK	16104.5	
CRYSTAL RIVER 3	17798.5	
MILLSTONE 1	22795.4	

Source: White Book - End of FY 1996

**TOTAL EFFORT FOR DUAL UNIT SITES
FY 1996 (10/1/95 - 9/30/96)**

	TOTAL HOURS	MEDIAN HOURS
PLANT		
* NORTH ANNA 1,2	6556.0	
PEACH BOTTOM 2,3	7389.2	
FARLEY 1,2	7618.3	
PRAIRIE ISLAND 1,2	7723.7	7937.3
COMANCHE PEAK 1,2	7785.2	
* LIMERICK 1,2	7825.2	
* BYRON 1,2	9060.6	
DIABLO CANYON 1,2	9540.2	
BRAIDWOOD 1,2	9814.7	
* TURKEY POINT 3,4	9863.0	
SURRY 1,2	9947.6	
SAN ONOFRE 2,3	10005.2	10112.7
MCGUIRE 1,2	10076.4	
QUAD CITIES 1,2	10316.9	
* SUSQUEHANNA 1,2	10378.1	
BRUNSWICK 1,2	10499.3	
POINT BEACH 1,2	10640.1	
HATCH 1,2	10658.9	
BEAVER VALLEY 1,2	10911.5	
VOGTLE 1,2	11271.8	
CALVERT CLOFFS 1,2	11467.9	11323.9
ST. LUCIE 1,2	11604.3	
ARKANSAS 1,2	11743.3	
NINE MILE POINT 1,2	11782.9	
COOK 1,2	11834.3	
LASALLE 1,2	12661.8	
SEQUOYAH 1,2	12789.1	
BROWNS FERRY 2,3	13003.6	
CATAWBA 1,2	13511.3	14253.2
SOUTH TEXAS 1,2	13576.1	
ZION 1,2	14791.4	
SALEM 1,2	15719.0	
DRESDEN 2,3	18003.3	

* Site with N + 1 exemption

Source: White Book - End of FY 1996

**TOTAL EFFORT FOR TRIPLE UNIT SITES
FY 1996 (10/1/95 - 9/30/96)**

PLANT	TOTAL HOURS	MEDIAN HOURS
PALO VERDE 1,2,3	13565.6	
OCONEE 1,2,3	15945.6	14755.6

Source: White Book - End of FY 1996

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Licensing Information Service

Established 1973

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Charge Number: _____

Date: 03/09/98

Pages Including cover page: 9

If you have any questions, or do not receive all the pages, please contact the person above.

Message:

Attached is an FOIA request. I also sent it
via email. My email, however, did not
include the attached handout excerpt from
NRC's 1997 Regulatory Information Conference.

Best Regards,

Rod Buckles

Rod Buckles

From: Rod Buckles
Sent: Monday, March 09, 1998 4:21 PM
To: 'FOIA'
Subject: NRC Inspection Hours Reported at Regulatory Information Conference
Importance: High

Dear Sir/Ma'am:

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In advance, I agree to pay research costs up to \$500. If you believe the costs will exceed my authorization of \$500, please contact me via phone, email, or fax.

I look forward to your acknowledgement of my FOIA request.

Best Regards,

Rod Buckles, Manager

Licensing Information Service (LIS)

NUS Information Services, Inc. (NUSIS)

Ph.: 813/869-3021

Fax: 813/869-3100

Email: rbuckles@nus.com

Question 1
FOIA 98-101

TOTAL INSPECTION EFFORT FOR SINGLE UNIT SITES
FY 1997

PLANT	TOTAL HOURS	
BIG ROCK POINT	3,475.6	
WOLF CREEK 1	3,964.9	
OYSTER CREEK	4,131.2	
HADDAM NECK	4,388.8	
SUMMER	4,436.7	MEDIAN HOURS = 4,436.7
DUANE ARNOLD	4,471.0	MEAN HOURS = 4,275.2
MONTICELLO	4,483.5	
MILLSTONE 1	4,553.0	
MILLSTONE 2	4,571.7	
FITZPATRICK	4,594.7	
KEWAUNEE	4,673.5	
PALISADES	4,705.0	
GRAND GULF 1	4,743.4	
RIVER BEND	4,757.1	MEDIAN HOURS = 4,757.1
HOPE CREEK 1	4,766.4	MEAN HOURS = 4,780.3
GINNA	4,797.9	
DAVIS-BESSE	4,822.6	
SEABROOK 1	5,162.4	
THREE MILE ISLAND 1	5,200.1	
ROBINSON 2	5,202.4	
MAINE YANKEE	5,213.6	
CALLAWAY	5,399.1	
HARRIS 1	5,472.5	MEDIAN HOURS = 5,472.5
PILGRIM 1	5,605.0	MEAN HOURS = 5,489.7
WATTS BAR 1	5,667.2	
FORT CALHOUN 1	5,712.0	
PERRY 1	5,935.5	
VERMONT YANKEE	6,227.3	
COOPER	6,707.3	
WATERFORD 3	6,967.7	
INDIAN POINT 2	7,181.1	
INDIAN POINT 3	7,293.5	MEDIAN HOURS = 7,300.1
MILLSTONE 3	7,306.6	MEAN HOURS = 7,717.9
FERMI 2	7,475.0	
WNP 2	7,529.8	
CRYSTAL RIVER 3	8,853.3	
CLINTON	11,637.0	

Source: RITS DATA - End of FY 1997

A/1

Question 1
FOIA 98-101

TOTAL INSPECTION EFFORT FOR DUAL UNIT SITES
FY 1997

PLANT	TOTAL HOURS	
BROWNS FERRY 2,3	4,233.3	
* NORTH ANNA 1,2	4,234.8	
* LIMERICK 1,2	4,252.6	
CALVERT CLIFFS 1,2	4,622.8	
* TURKEY POINT 3,4	4,641.4	MEDIAN = 4,632.1
PEACH BOTTOM 2,3	4,655.1	MEAN = 4,652.9
BYRON 1,2	5,140.2	
* COMANCHE PEAK 1,2	5,442.7	
PRAIRIE ISLAND 1,2	5,475.5	
VOGTLE 1,2	5,546.7	
SUSQUEHANNA 1,2	5,663.5	
LA SALLE 1,2	5,702.2	MEDIAN = 5,705.2
BEAVER VALLEY 1,2	5,708.2	MEAN = 5,777.7
DIABLO CANYON 1,2	5,930.2	
SURRY 1,2	6,027.1	
SOUTH TEXAS 1,2	6,168.5	
QUAD CITIES 1,2	6,246.9	
FARLEY 1,2	6,313.5	
CATAWBA 1,2	6,674.7	
ARKANSAS 1,2	6,684.1	
HATCH 1,2	6,766.7	MEDIAN = 6,725.4
SAN ONOFRE 2,3	6,987.8	MEAN = 6,734.0
BRUNSWICK 1,2	7,004.6	
BRAIDWOOD 1,2	7,193.8	
McGUIRE 1,2	7,209.5	
ST. LUCIE 1,2	7,521.7	
SEQUOYAH 1,2	8,033.0	
COOK 1,2	8,095.0	
NINE MILE POINT 1,2	8,383.2	MEDIAN = 8,383.2
ZION 1,2	9,427.8	MEAN = 9,849.7
POINT BEACH 1,2	10,537.9	
DRESDEN 2,3	11,413.3	
SALEM 1,2	18,025.9	

* Site with N + 1 exemption

Source: RITS Data - End of FY 1997

Question 1
FOIA 98-101

TOTAL INSPECTION EFFORT FOR TRIPLE UNIT SITES
FY 1997

<u>PLANT</u>	<u>TOTAL HOURS</u>	
PALO VERDE 1,2,3	6,426.4	MEDIAN = 8,170.7
OCONEE 1,2,3	9,914.9	MEAN = 8,170.7

Question 2
FOIA 98-101



NRR MANAGEMENT AND PROGRAM INFORMATION

DECEMBER 1996
(END OF FY 1996)

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OVERVIEW

This report provides key management and program information to NRR management on a periodic basis and is reviewed by the NRR Executive Team at semi-annual management meetings. This report is organized into four information categories:

- I Program Performance: Assess performance against operating plans for NRR programs.
- II Action Items: Assess the completion status of action items.
- III Resource Utilization: Assess the utilization of Headquarters and Regional resources against budget.
- IV Personnel: Status and nature of NRR and regional personnel.

The main body of the report (pages 1 through 16) has information deemed essential for the review by all members of the Executive Team. Highlights/exception reporting are presented at the front of the report (page ii).

The upper portion of each page highlights issues needing resolution, presents an analysis of the data, and describes future actions. A senior NRR manager is assigned as "division contact" for each page. A PPRB/PIMB/PADB contact is also assigned to assist in data collection and analysis. The source of data and its timeliness is also provided. The actual data -- the bottom portion of each page -- is derived both from automated systems and from information obtained by NRR divisions, regions and other offices. Plans/goals are obtained from several official documents including the budget, operating plans and staffing plans.

HIGHLIGHTS AND EXCEPTION REPORTING

Page
(Reference)

ISSUES NEEDING RESOLUTION: None requiring Executive Team decision for this reporting period.

I. PROGRAM PERFORMANCE:

- Direct inspection effort (DIE) for operating reactors dropped 10.7 % below planned, continuing a downward trend. In contrast, DIE was 1.7 % below planned at the end of FY 1995, and 4.7 % above planned at the end of FY 1994. 3
- The licensing action inventory has increased by 10 % over the last twelve months (FY 1996). Several trends have emerged: 5
 - Incoming actions gradually decreased during this FY;
 - Completion rates decreased significantly;
 - The median age (time spent per actions) has increased slightly.
 - Increase in higher priority work associated with Millstone, Haddam Neck, and Maine Yankee.
- The total number of hours expended on operating reactors, on a unit basis, has shown a downward trend from FY 1994 to present. The total hours expended at operating reactors (see pg 9) for FY 1996 (Mean = 6906) are 9.4 % lower than the hours presented in FY 1995 (Mean = 7620 hrs.); and are 6.6 % lower than those reported in FY 1994 (Mean = 7393 hrs.). 9

II. ACTION ITEMS:

None

III. RESOURCE UTILIZATION:

None.

IV. PERSONNEL:

None

I. PROGRAM PERFORMANCE

Status of Advanced Reactors

1

PURPOSE:

Presents the status of FTE utilization for the advanced reactors program (standard reactor design certification).

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

The Chart on page 1a depicts the level of direct effort expended in advanced reactors. The actual, direct FTE have decreased from 48.2 in FY 1995 to 31.2 in FY 1996. Efforts in the advanced reactor area concentrated mostly on the AP-600 review. The resources in the advanced reactor program area are below the budgeted levels due to the following:

- the refocusing of the AP-600 review effort to a limited number of priority areas identified by Westinghouse in November 1995;
- the redirection of the SBWR review at GE's request;
- rulemaking activity for ABWR and System 80+ required less resources than anticipated.

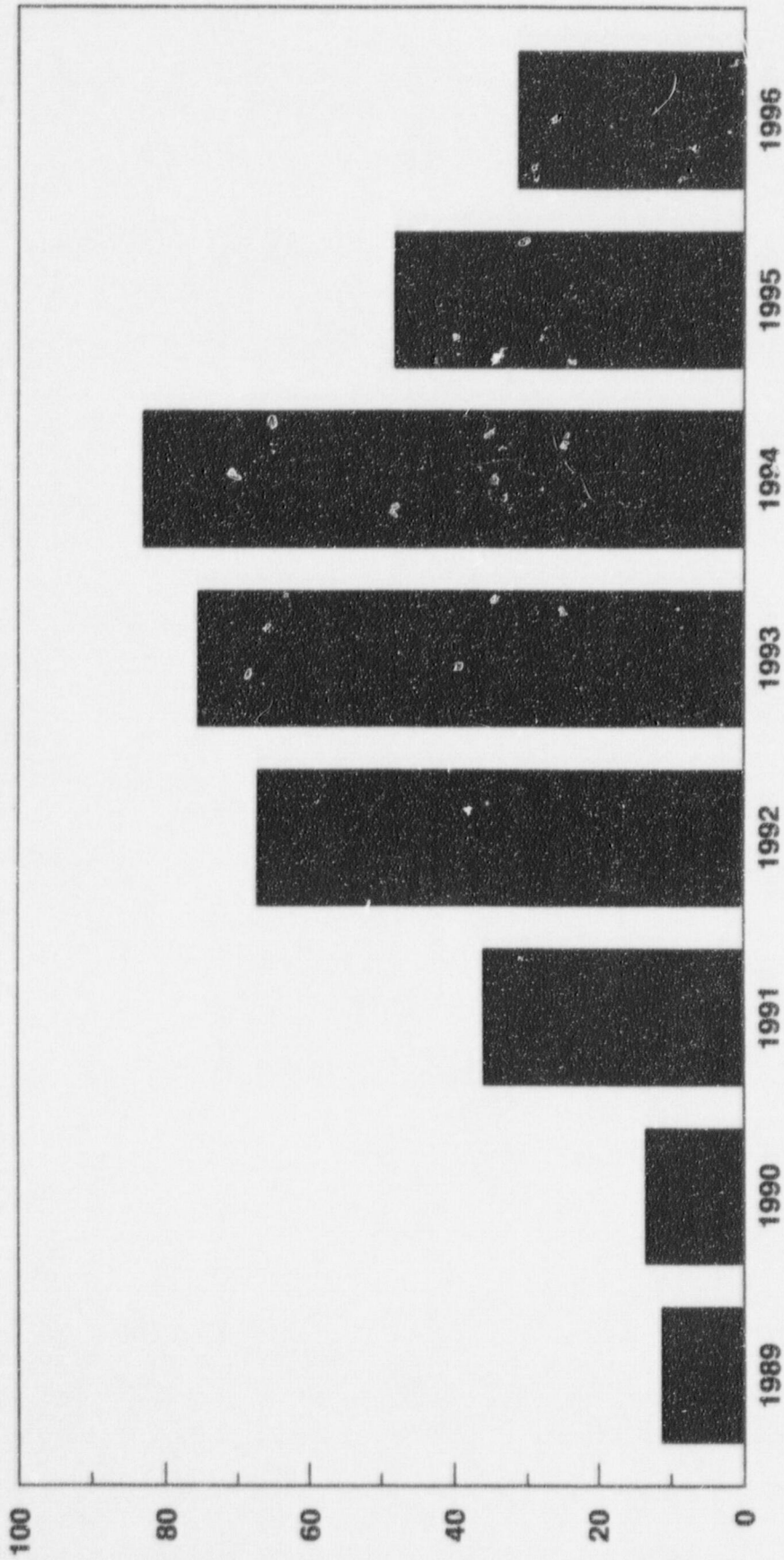
FUTURE ACTION: None.

SOURCE OF DATA:

RITS for NRR Headquarters. Data for FY 1996 is current, from October 1, 1995 through September 30, 1996; generated on December 16, 1996.

Advanced Reactors Resources

Direct FTE



Fiscal Year

Actuals 11.2 13.4 36.0 67.2 75.5 82.9 48.2 31.2

Data through September 1996.

Operating Reactor Inspection Program
October 1, 1995 - September 30, 1996

2

PURPOSE:

Presents the status of the regional inspection program for reactors in operation.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- Regular, direct inspection hours were distributed as follows:
 - Core - 60%
 - Initiative - 37%
 - Area of Emphasis - 3%
- The distribution above appears appropriate and in keeping with the requirements of the program. In comparison with FY 1995, the hours expended on core inspections remained stable, whereas the total hours (regular and O/T) for all DIE dropped by approximately 14%. This is attributable primarily to under-hiring in the regional inspection staff.
- For core, the effort ranged from 57% in Region II to 64% in Region III
- Overtime hours as a percentage of total hours were highest in the *Headquarters and Regional Team Inspections* category (19.7%). However, the *Regional Initiative/Reactive Inspections/Allegation Follow-up* category accounted for the highest absolute number of overtime hours, 12,100 hours.

SOURCE OF DATA:

Regional RITS data for both regular and non-regular hours extracted by master inspection program element category (IPE Code). Data is current for FY 1996 (10/01/95 - 09/30/96), generated on December 13, 1996.

Operating Reactor Inspection Program (Continued)

OVERTIME VS. REGULAR HOURS (in 000's)

IPE Codes	CO	RI/RR/AF	HT/RT	OA/OR	GT	SI	TOTAL
Reg. Hours	146.7	81.6	6.2	1.1	0.5	6.5	243.8
O/T Hours	11.9	12.1	1.5	0.4	0.0	0.5	26.4
Total Hours FY 1996	158.6	93.7	7.7	1.5	0.6	7.1	270.2
Percent O/T	7.5 %	11.1 %	19.7 %	11.9 %	6.3 %	7.7 %	9.8 %

Regional Inspection MC 2515 Program Elements

- Core (CO)
- Regional Initiative (RI), Regional Reactive (RR) and Allegation Follow-up (AF)
- Headquarters & Regional Special Team Inspections (HT/RT)
- Other Routine (OA) and Other Reactive (OR)
- Generic Team Inspections (GT) and Safety Issues (SI)
- The table below is a comparison between FY 1995 and FY 1996

IPE Codes	CO	RI/RR/AF	HT/RT	OA/OR	GT	SI	TOTAL
Total Hours FY 1996	158.6	92.7	7.7	1.5	0.6	7.1	270.2
Total Hours FY 1995	163.0	113.7	5.3	15.5	2.8	13.3	313.7

FUTURE ACTIONS: None

SOURCE OF DATA:

Regional RITS data for both regular and non-regular hours extracted by master inspection program element category (IPE Code). Data is current for FY 1996 (10/01/95 - 09/30/96), generated on December 13, 1996.

PPRB CONTACT: C. Velez

DIV CONTACT: R. W. Borchardt, Chief, PIPB

Direct Inspection at Reactors in Operation

3

PURPOSE:

Provides monthly and year-to-date direct inspection effort at reactors in operation by all regional and resident inspectors and for each region.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- Direct inspection effort (DIE) for FY 96 was 270,200 hours, which is 8.5% under budgeted. There has been a downward trend in direct inspection effort from FY 1994 to FY 1996. This decreased level of DIE was due to several factors, including under-allocating in the regional inspection staff, decreased inspection effort by those in the Sr. Resident Inspector and Resident Inspector Development Programs, and the conduct of large reactive team inspections (at Millstone, Haddam Neck, Maine Yankee, and Dresden) which resulted in less direct inspection effort than normal for the individuals involved.
- Resident inspection for the same period was 159,700 hours; 59.1% of total direct inspection effort.

FUTURE ACTION: None.

SOURCE OF DATA:

Direct inspection equals actual inspection time and does not include inspection travel, nor preparation, documentation and enforcement efforts associated with inspection. Data is obtained from Regional Manpower System (RITS) only for those operating power reactors which have received an OL prior to the beginning of each month and have fuel loaded in the core. Data is for regular and non-regular hours for IPE codes: AF, CO, MT, GT, RT, HT, SI, ST, RI, RR, OA, and OR. Actuals may include time by others whose primary responsibility is not inspections; budgeted hours established at the beginning of the fiscal year do not include an estimate for these categories.

Data presented is for FY 1996 (October 1, 1995 - September 30, 1996). Data generated on November 14, 1996.

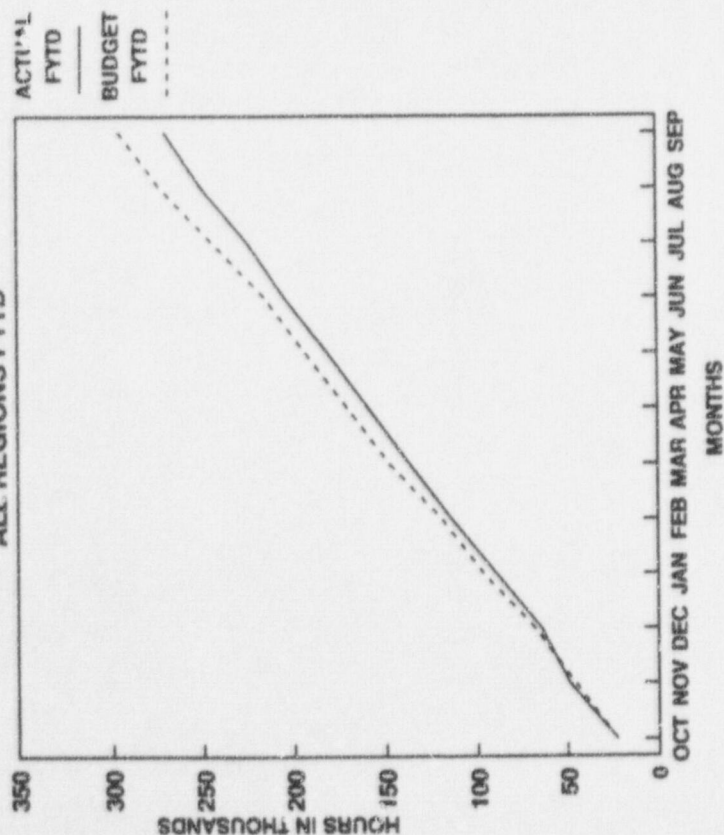
PPRB CONTACT: C. Velez

DIV CONTACT: R. W. Borchardt, Chief, PIPB

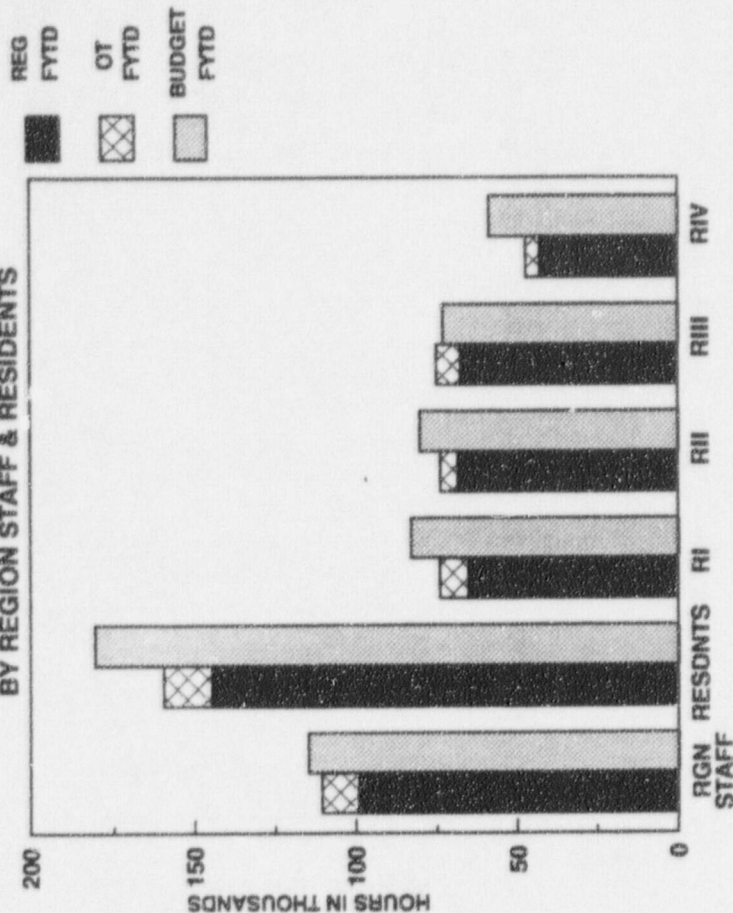
DIRECT INSPECTION AT REACTORS IN OPERATION

October 1, 1995 - September 30, 1996

REGION STAFF AND RESIDENTS
ALL REGIONS FYTD



BY REGION STAFF & RESIDENTS



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ACTUAL MTH	22.5	26.1	15.9	24.9	24.5	24.5	24.9	24.5	23.6	22.2	21.8	20.6
REG FYTD	22.5	48.6	64.5	89.4	113.9	136.9	159.1	180.9	204.6	224.6	249.6	270.2
OT FYTD	22.7	45.4	66.1	96.5	119.2	147.6	170.3	193.0	215.7	244.1	272.5	295.2
BUDGET FYTD	22.7	45.4	66.1	96.5	119.2	147.6	170.3	193.0	215.7	244.1	272.5	295.2

Direct and Non-Direct
Inspection Effort by Reactor/Site: FY 1996

4

PURPOSE:

Presents both the direct and non-direct inspection effort for each reactor unit in operation and each reactor site during the preceding 12 months

ISSUES NEEDING RESOLUTION None

ANALYSIS:

- During the FY 1996 (October 1, 1995 - September 30, 1996) period, 4,087 hours were expended, on average, at each power reactor. This represents a decrease of 8% when compared to FY 1995 where 4,441 hours were expended at each power reactor. During this same time period (FY 1996) 5,686 hours were expended, on average, at single-unit sites, 6,664 hours at dual-unit sites, and 7,589 hours at triple-unit sites. The table below is a comparison of hours expended at reactor sites in FY 1996 with hours expended in FY 1995.

Direct & Non-Direct Inspection Effort by Reactor Site: FY 1995/FY 1996 Comparison			
SITES	Hours Expended FY 1995	Hours Expended FY 1996	% DECREASE FY 95 - FY96
Single-Unit Sites	6,536	5,686	< 13.0% >
Dual-Unit Sites	6,852	6,664	< 2.7% >
Triple-Unit Sites	8,030	7,589	< 5.5% >

- During FY 1996, the five least-inspected units were North Anna 2, North Anna 1, Oconee 2, Prairie Island 2, Peach Bottom 3, and Comanche Peak 1. The five most-inspected units were Watts Bar 1, Crystal River 3, Haddam Neck, Millstone 1, and Millstone 3. Watts Bar 1 was the reactor unit and site with the greatest effort, expending 11,768 hours for the twelve month period.

Direct and Non-Direct
Inspection Effort by Reactor/Site: FY 1996 (continued)

FUTURE ACTION: None.

SOURCE OF DATA:

RITS for NRR and Regions. Regular and non-regular hours devoted to preparing, inspecting and documenting inspection (but not travel); these include IPE and activity codes AF, CO, GT, RT, HT, SI, RI, RR, OA, OR, BA1, BA2, BJ2, APP, and ARP. Includes operating power reactors (i.e., with loaded fuel) only. Data generated on January 10, 1996.

PPRB CONTACT: C. Velez

DIV CONTACT: R. W. Borchardt, Chief, PIPB

**INSPECTION EFFORT BY REACTOR UNIT
HOURS BY NRR HEADQUARTERS AND REGION
OCTOBER 1, 1995 - SEPTEMBER 30, 1996**

NORTH ANNA 2	1723.5	SAN ONOFRE 2	3007.6	HATCH 1	3797.8	HOPE CREEK 1	6404.8
NORTH ANNA 1	1904.5	DIABLO CANYON 1	3022.4	HATCH 2	3800.3	WATERFORD 3	6553.7
PRAIRIE ISLAND 2	1923.7	VOGTLE 1	3024.9	GRAND GULF 1	3974.3	COOPER	6610.3
PEACH BOTTOM 3	1974.4	BRUNSWICK 2	3028.2	QUAD CITIES 1	4046.8	RIVER BEND	6651.9
COMANCHE PEAK 1	1991.9	MCGUIRE 1	3037.0	BEAVER VALLEY 1	4113.8	FERMI 2	6803.5
COMANCHE PEAK 2	2043.0	POINT BEACH 2	3055.5	LASALLE 1	4121.2	GINNA	6840.1
PALO VERDE 3	2108.5	SOUTH TEXAS 2	3111.2	CATAWBA 1	4126.7	BROWNS FERRY 3	7015.5
TURKEY POINT 4	2110.5	NINE MILE POINT 2	3132.9	ARKANSAS 1	4149.1	INDIAN POINT 3	7131.5
LIMERICK 2	2172.3	BRAIDWOOD 1	3141.7	SEQUOYAH 2	4244.4	MILLSTONE 3	8410.2
VOGTLE 2	2209.5	POINT BEACH 1	3221.0	SEQUOYAH 1	4286.9	MILLSTONE 1	8534.5
TURKEY POINT 3	2249.0	O'CONNOR 1	3288.5	FORT CALHOUN 1	4291.8	HADDAM NECK	10472.8
OCONEE 2	2280.0	INDIAN POINT 2	3294.7	ST LUCIE 1	4313.0	CRYSTAL RIVER 3	10777.0
OCONEE 3	2309.5	SUSQUEHANNA 1	3314.5	DAVIS-BESSE	4348.0	WATTS BAR 1	11767.7
FARLEY 2	2334.5	CALLAWAY	3375.7	VERMONT YANKEE	4389.5		
PRAIRIE ISLAND 1	2359.0	ST LUCIE 2	3447.7	ZION 2	4625.2		
BYRON 2	2383.6	CATAWBA 2	3483.8	THREE MILE ISL 1	4644.0		
PALO VERDE 1	2418.8	ARKANSAS 2	3494.1	SALEM 1	4896.5		
FARLEY 1	2492.4	QUAD CITIES 2	3582.2	SEABROOK 1	4937.7		
LIMERICK 1	2544.4	COOK 1	3612.3	ZION 1	4937.9		
PEACH BOTTOM 2	2546.5	SURRY 2	3624.5	PILGRIM 1	4953.5		
SUSQUEHANNA 2	2625.7	SOUTH TEXAS 1	3629.5	OYSTER CREEK	5127.7		
DIABLO CANYON 2	2629.1	NINE MILE POINT 1	3654.5	WOLF CREEK 1	5156.4		
BROWNS FERRY 2	2633.2	COOK 2	3687.0	PERRY 1	5323.8		
CALVERT CLIFFS 2	2678.5	MONTICELLO	3688.0	SALEM 2	5373.4		
SAN ONOFRE 3	2722.6	CALVERT CLIFFS 1	3702.5	WASH NUCLEAR 2	5492.9		
MCGUIRE 2	2736.7	SURRY 1	3732.8	CLINTON	5498.0		
KEWAUNEE	2754.4	SUMMER	3735.5	PALISADES	5521.8		
PALO VERDE 2	2773.0	FITZPATRICK	3748.3	ROBINSON 2	5544.7		
BRUNSWICK 1	2780.5	LASALLE 2	3761.2	MAINE YANKEE	5919.0		
BRAIDWOOD 2	2873.6	DUANE ARNOLD	3764.0	DRESDEN 2	5979.2		
BEAVER VALLEY 2	2915.8	HARRIS 1	3764.1	DRESDEN 3	6032.3		
BYRON 1	2967.6	BIG ROCK POINT	3783.8	MILLSTONE 2	6396.0		

MEDIAN = 3687

MEAN = 4087

INSPECTION EFFORT BY SITE HOURS BY NRR HEADQUARTERS AND REGIONS OCTOBER 1, 1995 - SEPTEMBER 30, 1996 SINGLE UNIT

Kewaunee	2754.4	Hope Creek 1	6404.8
Indian Point 2	3294.7	Waterford 3	6553.7
Callaway	3375.7	Cooper	6610.3
Monticello	3688.0	River Bend	6651.9
Summer	3735.5	Ferri 2	6903.5
Fitzpatrick	3748.3	GINNA	6840.1
Duane Arnold	3764.0	Indian Point 3	7131.5
Harris 1	3764.1	Millstone 3	8410.2
Big Rock Point	3783.8	Millstone 1	8534.5
Grand Gulf 1	3974.3	Haddam Neck	10472.8
Fort Calhoun 1	4291.8	Crystal River 3	10777.0
Davis-Besse	4348.0	Watts Bar 1	11767.7
Vermont Yankee	4389.5		
Three Mile Island 1	4644.0		
Seabrook 1	4937.7		
Pilgrim 1	4953.5		
Oyster Creek	5127.7		
Wolf Creek 1	5156.4		
Perry 1	5323.8		
Washington Nuclear 2	5492.9		
Clinton	5498.0		
Palisades	5521.8		
Robinson 2	5544.7		
Maine Yankee	5919.0		
Millstone 2	6396.0		

MEDIAN = 5324

MEAN = 5686

INSPECTION EFFORT BY SITE HOURS BY NRR HEADQUARTERS AND REGIONS OCTOBER 1, 1995 - SEPTEMBER 30, 1996

DUAL UNIT

NORTH ANNA 1,2	3628.0	SURRY 1,2	7357.3
COMANCHE PEAK 1,2	4034.9	HATCH 1,2	7598.1
PRAIRIE ISLAND 1,2	4282.7	CATAWBA 1,2	7610.5
TURKEY POINT 3,4	4359.5	QUAD CITIES 1,2	7629.0
PEACH BOTTOM 2,3	4520.9	ARKANSAS 1,2	7643.2
LIMERICK 1,2	4716.7	ST LUCIE 1,2	7760.7
FARLEY 1,2	4826.9	LASALLE 1,2	7882.4
VOGTLE 1,2	5234.4	SEOUOYAH 1,2	8531.3
BYRON 1,2	5351.2	ZION 1,2	9563.1
DIABLO CANYON 1,2	5651.5	BROWNS FERRY 2,3	6487.7
SAN ONOFRE 2,3	5730.2	SALEM 1,2	10269.9
MCGUIRE 1,2	5772.7	DRESDEN 2,3	12011.5
BRUNSWICK 1,2	5808.7		
SUSQUEHANNA 1,2	5940.2		
BRAIDWOD 1,2	6015.3		
POINT BEACH 1,2	6276.5		
CALVERT CLIFFS 1,2	6361.0		
SOUTH TEXAS 1,2	6740.7		
NINE MILE POINT 1,2	6787.4		
BEAVER VALLEY 1,2	7029.6		
COOK 1,2	7299.3		

MEDIAN = 6361

MEAN = 6664

TRIPLE UNIT

PALO VERDE 1,2,3	7300.3
OCONEE 1,2,3	7878.0

MEDIAN = 7589

MEAN = 7589

Licensing Action Inventory

5

PURPOSE:

Presents how the current inventory is affected over time by the rate of new and completed licensing actions. Provides a trend of the total inventory and year-to-date status by Project Division.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- The cumulative completion ratio (Completed Actions/Incoming Actions) for FY 1996 is .94. During this period, NRR has opened 89 more actions than have been completed. Inventory levels have increased by 101 or 10.1% as compared to FY 1995.
- The licensing action inventory has increased for FY 1996 compared to FY 1995; several trends have emerged:
 - The average number of incoming actions per month (126) are trending down about 13% as compared to the same time period for FY 1995.
 - Completion rates have decreased (about 31%) during FY 1996 compared to the same time period for FY 1995.
 - The median age of the inventory has increased from 4.9 months in FY 1995 to a median age of 5.8 months in FY 1996.

FUTURE ACTION: None.

SOURCE OF DATA:

WISP; data current through the end of September 1996; generated on October 15, 1996.

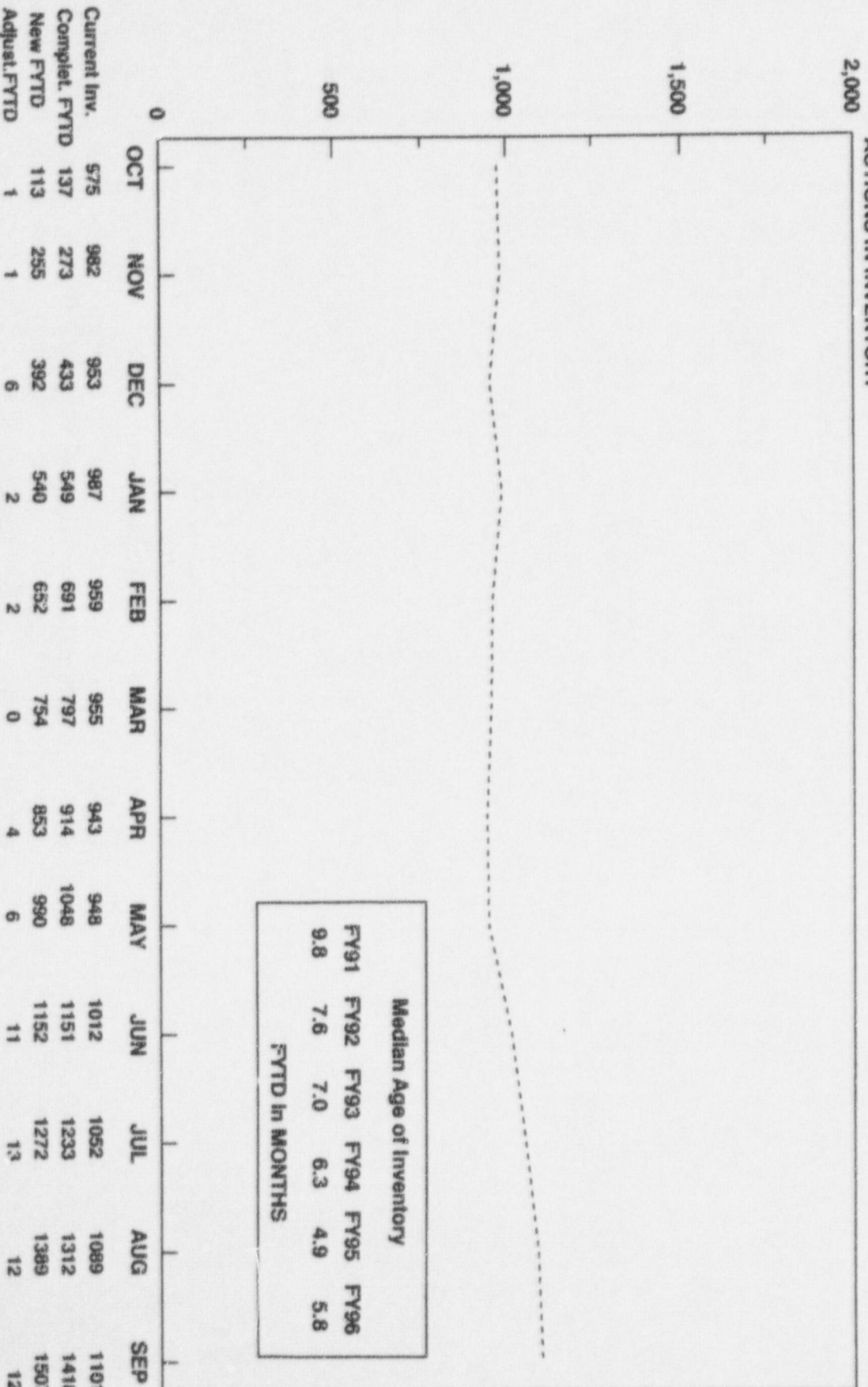
PPRB CONTACT: T. Dietz

DIV CONTACT: J. Roe, DRPW
S. Varga, DRPE

LICENSING ACTION INVENTORY

October 1, 1995 - September 30, 1996

ACTIONS IN INVENTORY



PURPOSE:

Presents the duration of actions in the inventory against goals recommended by the Management Guidance Team (MGT).
Provides the year-to-date status, with the age calculated from the date of the initial submittal by the licensee.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- During FY 1996, the NRC completed 1,418 licensing actions for operating power reactor licensees. The total licensing action inventory at the end of September 1996 was 1,101 an increase over the previous year's ending inventory of 1,000. All of the actions in the inventory are plant specific actions requested by licensees.
- Although NRR has not yet achieved the aging goals, significant progress has been realized in reducing the number of older actions in the licensing action inventory. From the first year of measurement in 1989, the percentage of actions over 3 years old has dropped from 23 % to 1.6 %. Improvement has also been made in the 2-3 year category, with a significant reduction of 65% compared to FY 1995. For FY 1996, 98.4 % of all actions are less than or equal to 3 years old.
- Several factors have contributed to a significant increase in 1-2 year category: a combination of higher priority work associated with Millstone, Haddam Neck, and Maine Yankee; more applications for conversion of technical specifications; and a shift of staff emphasis from low priority licensing actions to higher priority licensing tasks.
- Eighteen actions (1.6%) are over three years old as of the end of September 1996 due to aging of the group; the goal is zero. At the end of FY 1995, 17 actions were over 3 years old.

FUTURE ACTION: None

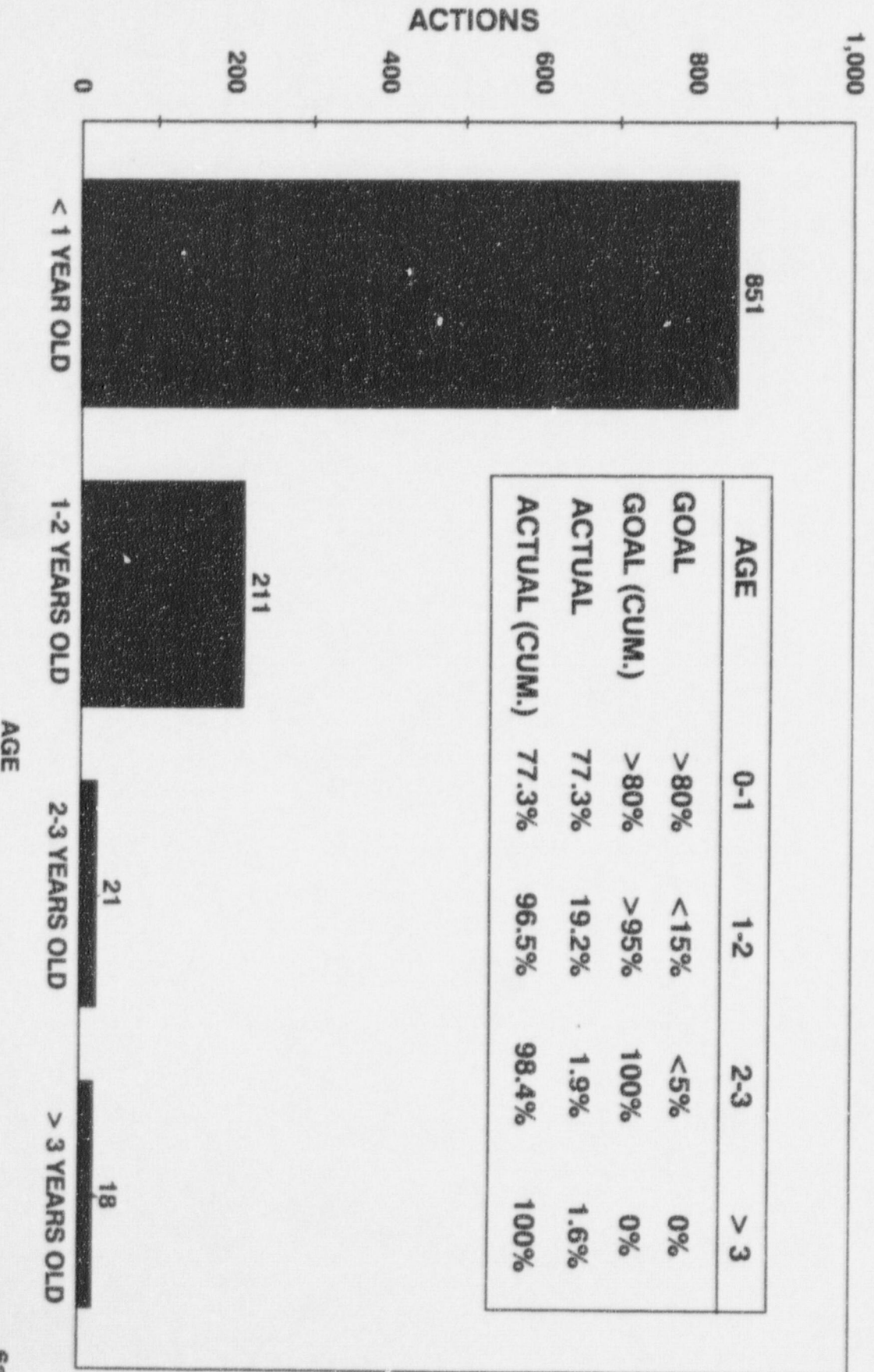
SOURCE OF DATA:

WISP; data current through the end of September 1996; generated on October 15, 1996.

RESPONSIVENESS TO LICENSEE REQUESTS

Age of Licensing Actions

October 1, 1995 - September 30, 1996



Status of SALP Program Hours

7

PURPOSE:

Presents the hours used for Direct Inspection Effort (DIE) by SALP Functional Areas and hours expended for the preparation, documentation and meetings associated with SALP reports for all facilities.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- Total hours for SALP Program preparation, documentation and meetings expended during the period October 1, 1995 to September 28, 1996 (including Headquarters) was 17,619.0 hrs. Region III was highest with 4,182.0 hours because of 12 SALPs completed as compared to 9 for the other Regions. In FY 1996, the downward trend of hours is due primarily to change in program of going to a 24 month period vice 18 months for more plants.
- During the period of FY 1996, ending September 30, 1996, some 278,555 hours, which are approximately 3 % less than the DIE used for inspection in the same period in FY 1995 for SALP functional areas with an average of 3,869 hours/site. This reduction of DIE is primarily due to: under-hiring in the regional inspection staff in FY 1996; decreased inspection effort by those inspectors in the Senior Resident Inspection and Resident Inspector Development program; and the conduct of large, reactive team inspections in FY 1996 at Millstone, Haddam Neck, Maine Yankee and Dresden plants which resulted in less direct inspection effort for the involved individuals.
- During FY 1996, Region III averaged the highest total DIE of 4,151.3 hours/site compared to the lowest, 3,457.3 hours/site, for Region IV.

FUTURE ACTION: None

SOURCE OF DATA:

RITS data used for other SALP hours (preparation, documentation and meetings) and MIPS used for DIE for Regions. Data presented is for DIE current for October 1, 1995 - September 30, 1996; generated on November 19, 1996.

PPRB CONTACT: T. Dietz

DIV CONTACT: B. Borchardt, DISP

SALP PROGRAM DIE HOURS BY FUNCTIONAL AREAS

HOURS EXPENDED FROM OCTOBER 1, 1995 THROUGH SEPTEMBER 30, 1996

# SITES IN EACH REGION FUNCTIONAL AREAS	REG 1	REG 2	REG 3	REG 4
1 PLANT OPERATIONS	1574.3	1888.2	1892.9	1534.4
2 PLANT SUPPORT	537.0	482.0	598.1	577.1
3 MAINTENANCE	499.3	822.5	649.6	601.3
4 ENGINEERING	*1005.3	712.7	*963.5	621.3
5 OTHER	85.3	206.0	47.2	123.2
AVERAGE TOTAL HRS BY SITE	3701.2	4111.4	4151.3	3457.3

*LARGE INFLUENCE DUE TO SPECIAL INSPECTIONS @ MILLSTONE, HADDAM NECK,
MAINE YANKEE, AND DRESDEN.
INFORMATION LIMITED TO OPERATING REACTORS
INFORMATION DOES NOT INCLUDE HOURS FOR WATTS BAR 2 AND BELLEFONTE AS SITES
REGION IV INCLUDES HOURS FOR TROJAN
HOURS NORMALIZED BY SITE AND FUNCTIONAL AREA AND % OF THE TOTAL AVERAGE HOURS
BY SITE AND BY REGION
NUMBERS ARE ROUNDED

Status of Events Analysis and Generic Communications

8

PURPOSE:

Provides a trend on the total number of events reviewed by NRR and those assigned for initial and longer-term follow-up.
Provides status of the disposition of longer-term follow-ups and of generic communications issuances.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

For the October 1, 1995 through September 30, 1996 time period:

- A total of 1,677 events (an increase of 7.9% from FY 95) were reviewed. Of these events, 391 or 23.3 % (a decrease of 7% when compared to FY 95) required some type of follow-up action. Sixteen events were assigned for long-term follow-up effort.
- A total of 391 events were opened for follow-up during this period, and a total of 165 events were initially screened as potential significant events. Of those events based on a screened date, 6 were significant, 65 were initially categorized as events of interest, 28 were categorized as other, and 75 were categorized as generic issues.
- Follow-up action was completed on 271 events, of which 139 were screened as potential significant events. Of those closed, 6 were significant events, 58 were events of interest, 68 were other, and 51 were generic issues.
- Seven Augmented Inspection Teams (AITs) were initiated. Generic communications included the issuance of 60 information notices, 9 generic letters, 5 bulletins, and 8 administrative letters. Between October 1995 and September 1996, there were 176 Part 21 notification reports processed into the NRC tracking system, with a total of 56 new issues identified.
- The following operating reactors event briefings were held:
 - November 08, 1995 (95-13) - **HATCH**, Unit 2, *Inadvertent Draining of Reactor Vessel & Isolation of Shutdown Cooling System.*
 - December 13, 1995 (95-14) - **SUSQUEHANNA**, Unit 1, *Valve Internals Damaged by Thermally Induced Bonnet Pressure.*
 - January 31, 1996 (96-01) - **BRUNSWICK**, Unit 1, *Slow Scram Times Caused by Viton Diaphragms in Scram Solenoid Pilot Valves;*
SOUTH TEXAS, Unit 1, *Failure of Control Rods to Insert Fully.*

Status of Events Analysis and Generic Communications (Continued)

Reactor Briefings (cont.)

- February 07, 1996 (96-02) - WOLF CREEK, Unit 1, Plant Trip with Multiple Complications.
- February 21, 1996 (96-03) - WOLF CREEK, Unit 1, Plant Trip with Multiple Complications (*update*);
- CATAWBA, Unit 2, Loss of Off-site Power and Reactor Trip with One of Two Emergency Diesel Generators *Unavailable*.
- February 28, 1996 (96-04) - WOLF CREEK, Unit 1, Plant Trip with Multiple Complications (*update*);
- MILLSTONE, Unit 2, Potential Clogging of High Pressure Safety Injection Valves During Recirculation.
- May 29, 1996 (96-05) - DRESDEN, Unit 3, Loss of Feedwater, (AIT);
- POINT BEACH, Gas Burn Within Spent Fuel Dry Storage Cask, (AIT);
- ARKANSAS NUCLEAR ONE, Unit 1, Reactor Trip with Steam Generator Dry-out, (AIT).
- June 12, 1996 (96-06) - LASALLE, Units 1 & 2, Foreign Material Found In Service Water Tunnel, (AIT).
- July 10, 1996 (96-07) - MCGUIRE, Unit 2, Bypass Reactor-Trip Breaker Failed to Open.
- July 24, 1996 (96-08) - HADDAM NECK, Potential Failure of Containment Coolers.
- July 31, 1996 (96-09) - MONTICELLO, Automatic Isolation of Reactor Water Cleanup (RWCU) Piping.
- August 28, 1996 (96-10) - HADDAM NECK, Nitrogen Bubble Identified in Reactor Coolant System While Shutdown, (AIT);
- September 18, 1996 (96-11) - CLINTON, Reactor Recirculation Pump Seal Failure.

FUTURE ACTION:

Review of charts to present Generic Communications and Compliance Activities (GCCA) in a different format. This activity is expected to be completed by June 1997.

DATA SOURCES:

Events tracking system, established by DRPM. Data current through the end of September 1996, generated on November 19, 1996.

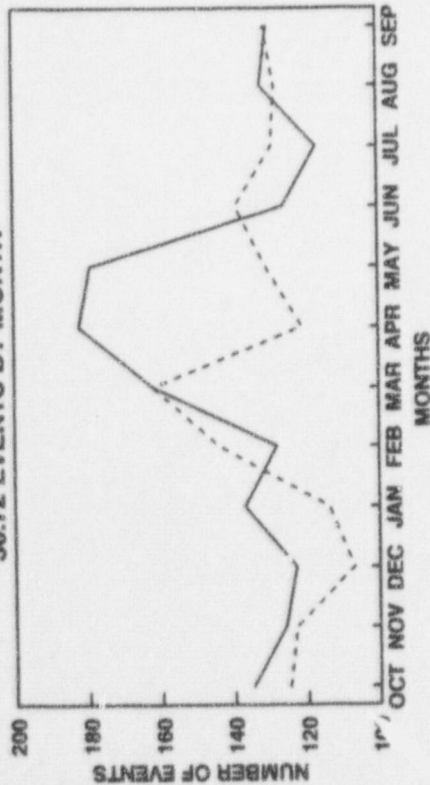
PPRB CONTACT: T. Dietz

DIV CONTACT: Alfred E. Chaffee, Chief, PECB/DRPM

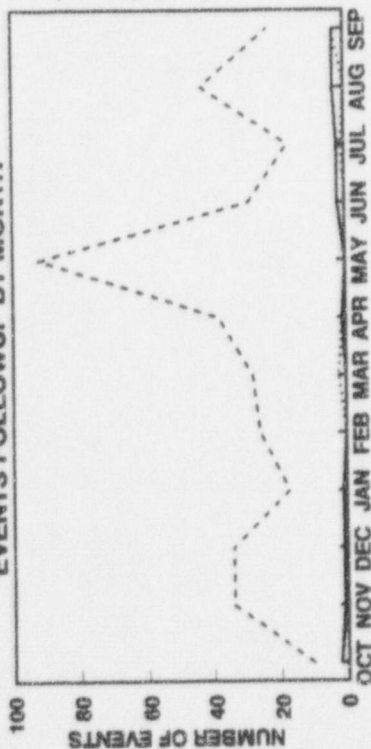
EVENTS ANALYSIS STATUS & GENERIC COMMUNICATIONS

OCTOBER 1, 1995 - SEPTEMBER 30, 1996

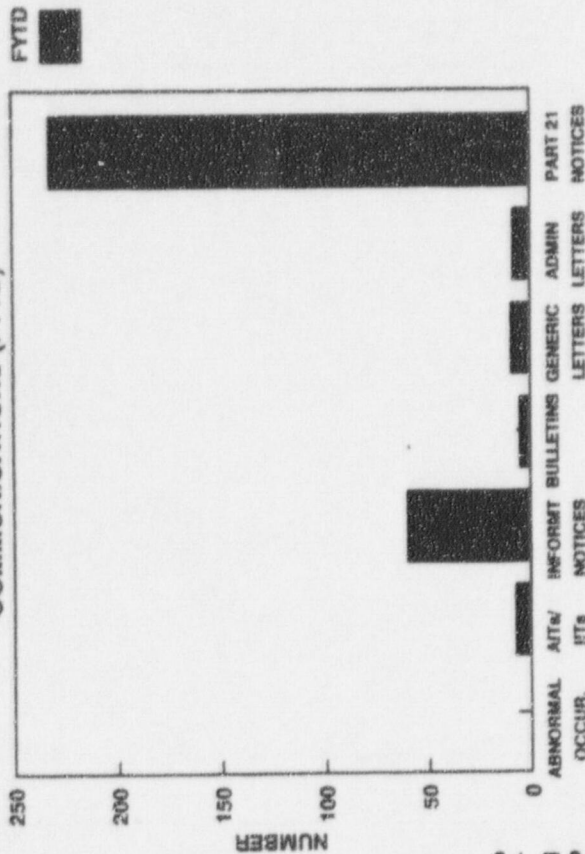
50.72 EVENTS BY MONTH



EVENTS FOLLOWUP BY MONTH



DISPOSITION OF EVENTS & GENERIC COMMUNICATIONS (FYTD)



EVENTS & GENERIC COMMUNICATIONS**

ABNORMAL OCCUR	AITs	INFORM BULLETINS	ADMIN LETTERS	PART 21 NOTICES
0	7	60	8	232
FYTD				

**includes supplements and revisions.

MONTHS

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
50.72 EVENTS	135	126	123	137	128	162	182	179	126	117	132	130
EVENTS RVD YTD	135	261	384	521	649	811	993	1172	1298	1415	1547	1677
EVENTS MO.	10	34	34	17	26	28	38	92	29	17	43	23
FOLLOW-UP YTD	10	44	78	95	121	149	187	279	308	325	368	391
LONG TERM MO.	2	1	1	1	0	0	1	0	2	2	3	3
FOLLOW-UP YTD	2	3	4	5	5	5	6	6	8	10	13	16
* SIGNIFICANT MO.	2	0	0	0	0	2	1	0	0	1	0	3
EVENTS YTD	0	2	2	2	2	2	4	5	5	6	6	9

* Based on closeout dates.

Total Hours Expended on Operating Reactors/Sites: FY 1996
October 1, 1995 - September 30, 1996

PURPOSE:

Presents the total fiscal year effort expended by NRR Headquarters and Regions on each operating reactor and each reactor site for FY 1996. This includes effort expended at Watts Bar 1 and Millstone 1.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- During this fiscal year (October 1, 1995 - September 30, 1996) 6,906 hours were expended, on average, at each power reactor (Unit basis). Over this same time period, on average, 9,611 hours were expended at each single unit site, 10,919 hours at each dual unit site, and 14,756 hours at each triple unit site. For FY 1996, Millstone 1 was the reactor unit and site with the greatest effort, expending 22,795 hours. Crystal River 3 was the next single unit/site with 17,798 total hours expended.

The total hours expended on operating reactors, on a unit basis, have shown a downward trend from FY 1994 to present. The chart below indicates that the total hours expended, for FY 1996 (6,906), are 9.4% lower when compared to hours in FY 1995 (7,620 hrs.); and the hours expended in FY 96 are 6.6% lower than those reported in FY 1994 (7,393 hrs.).

TOTAL HOURS EXPENDED AT OPERATING REACTORS BY NRR HEADQUARTERS AND REGIONS ON A UNIT BASIS		
FISCAL YEAR	HOURS	% DECREASE IN FY 1996
FY 1996	6,906	-
FY 1995	7,620	< 9.4 >
FY 1994	7,393	< 6.6 >

Total Hours Expended on Operating Reactors/Sites: FY 1996 (Continued)
October 1, 1995 - March 31, 1996

- The five reactors with the least effort (averaging - 3,223 hours) during FY 1996, were Peach Bottom 3, North Anna 2, Prairie Island 2, Limerick 2, and North Anna 1. The five reactors with the most effort (averaging - 17,267 hours) were Ginna, Watts Bar 1, Haddam Neck, Crystal River 3, and Millstone 1.
- In FY 1996, the five single-unit sites with the least number of staff hours expended (averaging - 5,894 hours) were Indian Point 2, Summer, Harris 1, Kewaunee, and Big Rock Point. The five dual-unit sites with the least staff effort (averaging - 7,414 hours) were North Anna 1,2; Peach Bottom 2,3; Farley 1,2; Prairie Island 1,2; and Comanche Peak 1,2.
- In FY 1996, the five single-unit sites with the most number of staff hours expended (averaging - 17,267 hours) were; Ginna, Watts Bar 1, Haddam Neck, Crystal River 3, and Millstone 1. The five dual-unit sites with the most staff effort (averaging - 15,120 hours) were Catawba 1,2; South Texas 1,2; Zion 1,2; Salem 1,2; and Dresden 2,3.

FUTURE ACTION: None.

SOURCE OF DATA:

RITS data for NRR headquarters and the regions. Regular and non-regular hours charged to each operating reactor including inspection, licensing, and all other efforts related to that docket. Excludes TMI-2, nonpower reactors, permanently/indefinitely shutdown facilities (i.e., Dresden 1, Humbolt Bay, Indian Point 1, Fort St. Vrain, LaCrosse, Rancho Seco, San Onofre 1, Shoreham, Trojan, Watts Bar 2, and Yankee Rowe), and decommissioned reactors. Data current FY 1996 (10/01/95 - 9/30/96) generated on January 7, 1997.

PPRB CONTACT: S.P. Sands

S. Varga, DRPE
DIV CONTACT: J. Roe, DRPW 9a

**TOTAL HOURS EXPENDED ON OPERATING REACTORS BY UNIT
BY NRR HEADQUARTERS AND REGIONS
OCTOBER 1, 1995 - SEPTEMBER 30, 1996**

PEACH BOTTOM 3	2947.2	HATCH 1	5321.7	SEABROOK 1	7504.8
NORTH ANNA 2	2965.7	SAN ONOFRE 2	5336.7	SOUTH TEXAS 2	7525.2
PRAIRIE ISLAND 2	3132.7	HATCH 2	5337.2	SALEM 2	7763.0
LIMERICK 2	3479.0	PALO VERDE 1	5344.1	ZION 1	7878.0
NORTH ANNA 1	3590.3	TURKEY POINT 3	5375.1	CATAWBA 1	7917.7
OCONEE 2	3612.7	BRUNSWICK 1	5454.7	CLINTON	7918.4
PALO VERDE 3	3738.6	QUAD CITIES 1	5476.2	SALEM 1	7956.0
FARLEY 2	3773.8	MCGUIRE 1	5564.2	THREE MILE ISLAND 1	7958.9
COMANCHE PEAK 2	3809.9	COOK 2	5586.8	DAVIS-BESSE	8191.8
BYRON 2	3816.5	CATAWBA 2	5593.6	FORT CALHOUN 1	8194.3
FARLEY 1	3844.5	LASALLE 2	5669.6	DRESDEN 3	8257.2
OCONEE 3	3904.8	BRAIDWOOD 1	5693.7	OCONEE 1	8428.1
COMANCHE PEAK 1	3975.3	NINE MILE POINT 2	5745.6	PILGRIM 1	8639.4
BRAIDWOOD 2	4121.0	SUSQUEHANNA 1	5778.3	PERRY 1	8700.1
BROWNS FERRY 2	4184.7	SUMMER	5880.4	BROWNS FERRY 3	8818.9
POINT BEACH 2	4300.4	HARRIS 1	5904.2	COOPER	9063.1
LIMERICK 1	4346.2	NINE MILE POINT 1	6037.3	RIVER BEND	9123.2
DIABLO CANYON 2	4386.5	SOUTH TEXAS 2	6050.9	OYSTER CREEK	9144.2
PEACH BOTTOM 2	4442.0	KEWAUNEE	6160.7	ROBINSON 2	9420.1
PALO VERDE 2	4482.9	BEAVER VALLEY 1	6233.4	HOPE CREEK 1	9519.8
TURKEY POINT 4	4487.9	COOK 1	6247.5	WOLF CREEK 1	9614.8
MCGUIRE 2	4512.2	POINT BEACH 1	6339.7	DRESDEN 2	9746.1
PRAIRIE ISLAND 1	4591.0	SEQUOYAH 1	6371.6	MILLSTONE 2	9894.2
SUSQUEHANNA 2	4599.8	SEQUOYAH 2	6387.5	WATERFORD 3	9928.2
SAN ONOFRE 3	4668.5	VOGTLE 1	6434.1	MAINE YANKEE	11255.0
BEAVER VALLEY 2	4678.1	CALVERT CLIFFS 1	6455.5	FERMI 2	11303.7
SURRY 2	4768.4	BIG ROCK POINT	6549.6	INDIAN POINT 3	11342.8
VOGTLE 2	4837.7	ST LUCIE 1	6582.3	PALISADES	11948.1
QUAD CITIES 2	4840.7	ARKANSAS 1	6713.6	MILLSTONE 3	12719.7
INDIAN POINT 2	4977.0	MONTICELLO	6798.9	WASH NUCLEAR 2	13435.2
CALVERT CLIFFS 2	5012.4	CALLAWAY	6845.2	GINNA	13697.6
ST LUCIE 2	5022.0	VERMONT YANKEE	6901.8	WATTS BAR 1	15937.1
ARKANSAS 2	5029.7	DUANE ARNOLD	6905.5	HADDAM NECK	16104.5
BRUNSWICK 2	5044.6	ZION 2	6913.4	CRYSTAL RIVER 3	17798.5
DIABLO CANYON 1	5153.7	LASALLE 1	6992.2	MILLSTONE 1	22795.4
SURRY 1	5179.2	FITZPATRICK	7303.4		
BYRON 1	5244.1	GRAND GULF 1	7493.7		

MEDIAN = 6050.9

MEAN = 6905.7

**TOTAL HOURS EXPENDED ON OPERATING REACTORS BY SITE
BY NRR HEADQUARTERS AND REGIONS
OCTOBER 1, 1995 - SEPTEMBER 30, 1996
SINGLE UNIT**

INDIAN POINT 2	4977.0	OYSTER CREEK	9144.2
SUMMER	5880.4	ROBINSON 2	9420.1
HARRIS 1	5904.2	HOPE CREEK 1	9519.8
KEWAUNEE	6160.7	WOLF CREEK 1	9614.8
BIG ROCK POINT	6549.6	MILLSTONE 2	9894.2
MONTICELLO	6798.9	WATERFORD 3	9928.2
CALLAWAY	6845.2	MAINE YANKEE	11255.0
VERMONT YANKEE	6901.8	FERMI 2	11303.7
DUANE ARNOLD	6905.5	INDIAN POINT 3	11342.8
FITZPATRICK	7303.4	PALIDADES	11948.1
GRAND GULF 1	7493.7	MILLSTONE 3	12719.7
SEABROOK 1	7504.8	WASH NUCLEAR 2	13435.2
CLINTON	7918.4	GINNA	13697.6
THREE MILE ISLAND 1	7958.9	WATTS BAR 1	15937.1
DAVIS-BESSE	8191.8	HADDAM NECK	16104.5
FORT CALHOUN 1	8194.3	CRYSTAL RIVER 3	17798.5
PILGRIM 1	8639.4	MILLSTONE 1	22795.4
PERRY 1	8700.1		
COOPER	9063.1		
RIVER BEND	9123.2		

MEDIAN = 9063.1 MEAN = 9807.4

**TOTAL HOURS EXPENDED ON OPERATING REACTORS BY SITE
BY NRR HEADQUARTERS AND REGIONS
OCTOBER 1, 1995 - SEPTEMBER 30, 1996**

DUAL UNIT

NORTH ANNA 1,2	6556.0	VOGTLE 1,2	11271.8
PEACH BOTTOM 2,3	7389.2	CALVERT CLIFFS 1,2	11467.9
FARLEY 1,2	7618.3	ST LUCIE 1,2	11604.3
PRAIRIE ISLAND 1,2	7723.7	ARKANSAS 1,2	11743.3
COMANCHE PEAK 1,2	7785.2	NINE MILE POINT 1,2	11782.9
LIMERICK 1,2	7825.2	COOK 1,2	11834.3
BYRON 1,2	9060.6	LASALLE 1,2	12661.8
DIABLO CANYON 1,2	9540.2	SEQUOYAH 1,2	12759.1
BRAIDWOOD 1,2	9814.7	BROWNS FERRY 2,3	13003.6
TURKEY POINT 3,4	9863.0	CATAWBA 1,2	13511.3
SURRY 1,2	9947.6	SOUTH TEXAS 1,2	13576.1
SAN ONOFRE 2,3	10005.2	ZION 1,2	14791.4
MCGUIRE 1,2	10076.4	SALEM 1,2	15719.0
QUAD CITIES 1,2	10316.9	DRESDEN 2,3	18003.3
SUSQUEHANNA 1,2	10378.1		
BRUNSWICK 1,2	10499.3		
POINT BEACH 1,2	10640.1		
HATCH 1,2	10656.9		
BEAVER VALLEY 1,2	10911.5		

MEDIAN = 10640.1

MEAN = 10919.4

TRIPLE UNIT

PALO VERDE 1,2,3	13565.6
OCONEE 1,2,3	15945.6

MEDIAN = 14755.6

MEAN = 14755.6

Status of MPA Implementation
by Issue

PURPOSE:

To track and highlight the status of Multi-Plant Actions

MULTI-PLANT ACTION (MPA) IMPLEMENTATION

- Listed on the chart below are the 10 least implemented issues as measured by percent implementation at plants affected. Excluded from the list are issues which affect fewer than 10 plants or issues which were imposed in the last year, since adequate time to complete imposition reviews and start implementation at these plants has not been available.

FUTURE ACTION: None

SOURCE OF DATA:

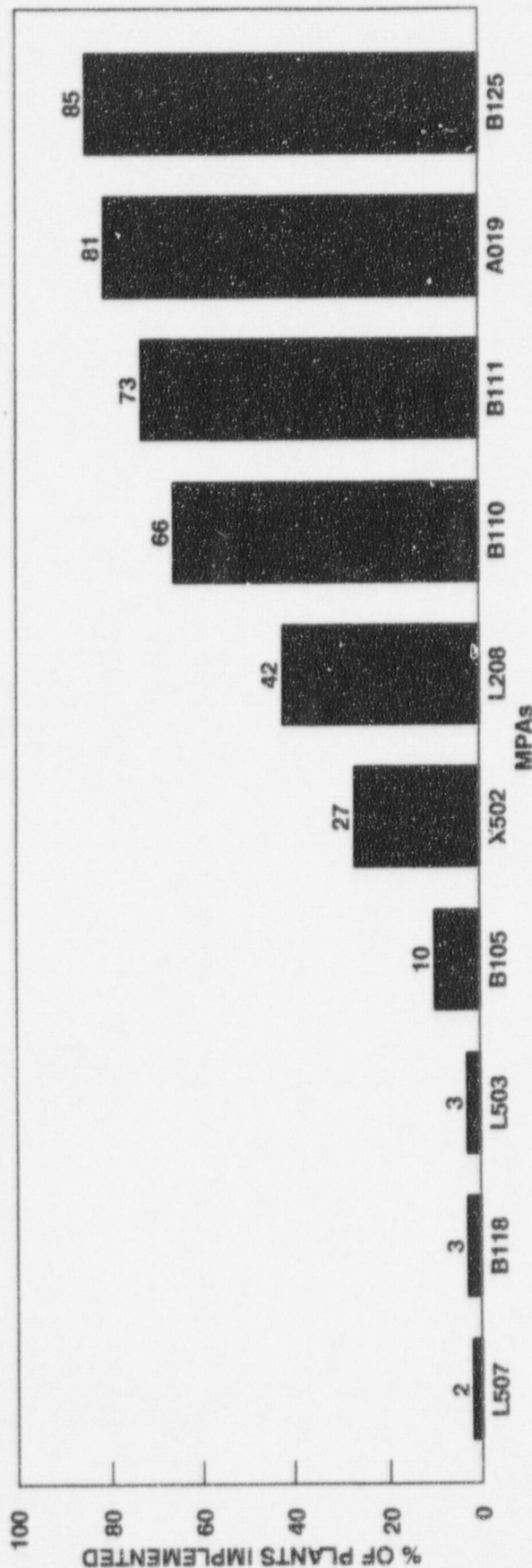
WISP; data current as of January 10, 1997; generated on January 13, 1997.

PIMB CONTACT: M. Chaney

DIV CONTACT: L. Barnett, DISP

MULTI-PLANT ACTION IMPLEMENTATION BY ISSUE (ISSUES LEAST IMPLEMENTED*)

ISSUE	TITLE	DATE IMPOSED	COMP TO DATE	LAST PLANT	% ** CHANGE
L507	PRESSURE LOCKING/THERMAL BINDING OF POWER GATE VALVES (GL-95-07)	09/95	2%	01/01	-1%
B118	IPE EXTERNAL EVENTS (OL 88-20, SUPP 4)	06/92	3%	07/05	NC
L503	CIRCUMFERENTIAL CRACKING OF STEAM GENERATOR TUBES (GL-95-03)	05/95	3%	01/01	NC
B105	SEISMIC QUALIFICATION (GL-87-02)	06/88	10%	07/05	+1%
X502	RESPONSE TO BL-95-02, UNEXPECTED CLOGGING OF RHR PUMP STRAINER	10/95	27%	06/05	***
L208	THERMO LAG (GL-82-08)	01/93	42%	01/00	NC
B110	MOTOR OPERATED VALVES TESTING AND SURVEILLANCE (GL-89-10)	06/89	66%	07/05	+2%
B111	INDIVIDUAL PLANT EVALUATIONS (GL-88-20)	05/89	73%	12/98	+8%
A019	RECOMBINER CAPABILITY REQUIREMENTS OF 10 CFR 50.44 (GL-84-09)	07/83	81%	12/97	NC
B125	CORE SHROUD CRACKING (GL-94-03)	08/94	85%	07/05	+5%



*Requirements affecting more than 10 plants and imposed prior to 01/01/96.

**Represents % change in completion since 09/30/96.

***Issue was not included in top ten as of 09/30/96.

NOTE: Data current as of January 10, 1997.

Status of Nuclear Power Plants

11

PURPOSE:

List overall status of Nuclear Power Plants.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS: None.

FUTURE ACTION: None.

SOURCE:

Information Digest, 1996 Edition, and Office for Analysis and Evaluation of Operational Data (AEOD)(T. Wolf). Data current through March 1996; generated on September 5, 1996.

PPRB CONTACT: S.P. Sands

DIV CONTACT: R. Villafranco, DISP

STATUS OF NUCLEAR POWER PLANT UNITS

DATA AS OF SEPTEMBER 30, 1996

Capacity*
(MWe)

99,000

LICENSED TO OPERATE

(Excludes ten units which were permanently shutdown since the formation of NRC in 1975-Dresden 1, Fort St. Vrain, Humboldt Bay, La Crosse, Rancho Seco, San Onofre 1, Shoreham, Three Mile Island 2, Trojan, and Yankee-Rowe.) The 109 Units have accumulated 1839 reactor years of operation. An additional 193 reactor years of operation have been accumulated by permanently shutdown units. Also excludes Browns Ferry Unit 1 which has been indefinitely shutdown since 1985, but in 1993 were declared to have a Maximum Dependable Capacity of zero by the Licensee, retroactive to June 1, 1985.

Boiling Pressurized
Water Water
Reactors Reactors Others

36	73	0	109
0	0	0	0
0	3	0	3
36	76	0	112

LICENSED FOR LOW-POWER TESTING

0

CONSTRUCTION PERMIT GRANTED

3,700

0 Under Operating License Review *****

1 Cancelled WNP-1

3 Construction Deferred Bellefonte 1&2
Watts Bar 2

TOTAL (Number Rounded)

102,700**

*Net Maximum Dependable Capacity for operating units for which it is established; new Design Electrical Rating for all other units.

**Numbers are rounded to nearest 100.

II. ACTION ITEMS

PURPOSE:

Presents the on-time completion of action items (Green, Yellow, and WITS) by NRR, by division, on a semi-annual basis.

ISSUES NEEDING RESOLUTION: None.ANALYSIS:

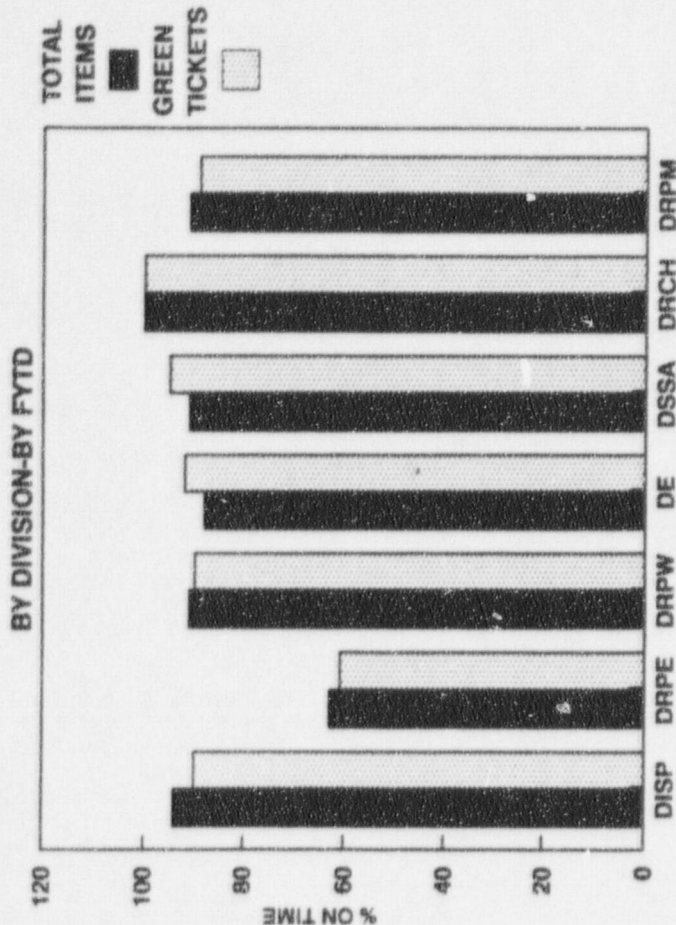
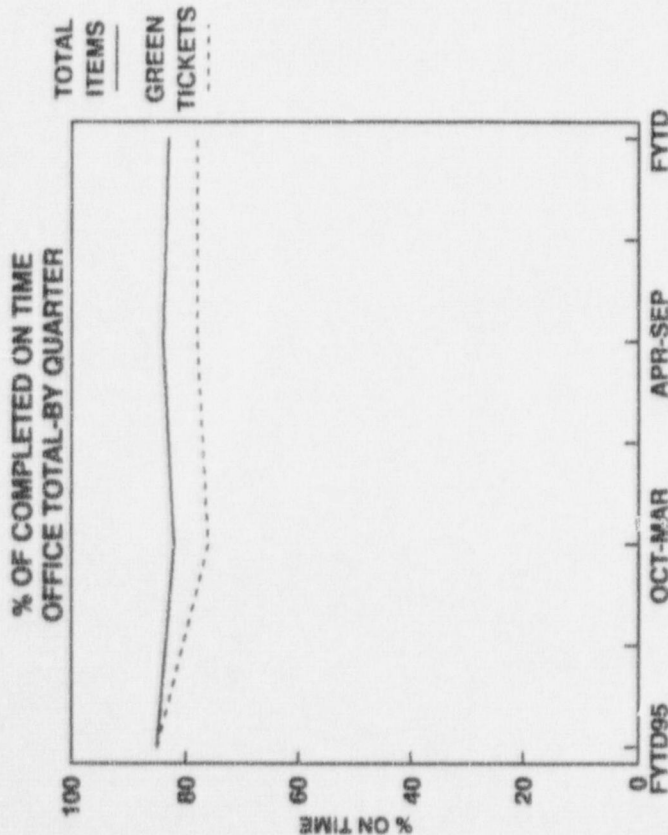
- On-time completion of all action items for the last half of FY 1995 was 90% and decreased to 83% for the last half of FY 1996.
- On-time completion of Green Tickets for last half of FY 1995 was 86% as compared with 78% for the last half of FY 1996. The 8% drop in on-time completion of Green Tickets was primarily due to the impact of Millstone 1. In addition, the volume of green tickets has increased in total number.
- In FY 1996, 303 green tickets were processed, representing an increase of 69.3% above FY 1995 (179 green tickets). The number of total items received for FY 1996 was 499. This represents an increase of 11.9% above FY 1995 (446 items).

FUTURE ACTION: None.DATA SOURCE:

WITS system maintained by IRM. Data presented is current through the end of September 1996; generated on January 15, 1997.

TIMELINESS OF ACTION ITEMS CLOSED

October 1, 1995 - September 30, 1996



		DISP	DRPE	DRPW	DE	DSSA	DRCH	DRPM
TOTAL ITEMS		111	153	58	17	34	13	113
ON TIME		104	97	53	15	31	13	103
%		94	63	91	88	91	100	91
GRN TICKETS		20	137	48	13	20	8	57
ON TIME		18	84	43	12	19	8	51
%		90	61	90	92	95	100	89
TOT ITEMS LATE								
1-5 DAYS		4	19	4	1	1	0	4
6-14 DAYS		1	21	0	0	0	0	4
15-29 DAYS		0	11	0	0	1	0	0
>30 DAYS		2	5	1	1	1	0	2

III. RESOURCE UTILIZATION

Distribution of NRR Hours

13

PURPOSE:

Illustrates the distribution of hours for FY 1996 expended by NRR Headquarters staff support activities and absence.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- For direct effort, the hours expended have increased slightly from 49% for FY 1995 to 50.4% for FY 1996.
- Hours expended for management (9.4%), clerical (8.0%), and support (14.3%) have remained constant for the fiscal year when compared to the first half of FY 1996, and have all decreased slightly (by 1%) when compared with the end of FY 1995.
- "Other," under Support for NRR staff, includes, Technical Coordination, General Correspondence, FOIA, Union Activities, Contract Management and Support to Other Organizations.
- Absence has increased by 2% from 15.9% at the end of FY 1995, to 17.9% at the end of FY 1996.

FUTURE ACTIONS: None.

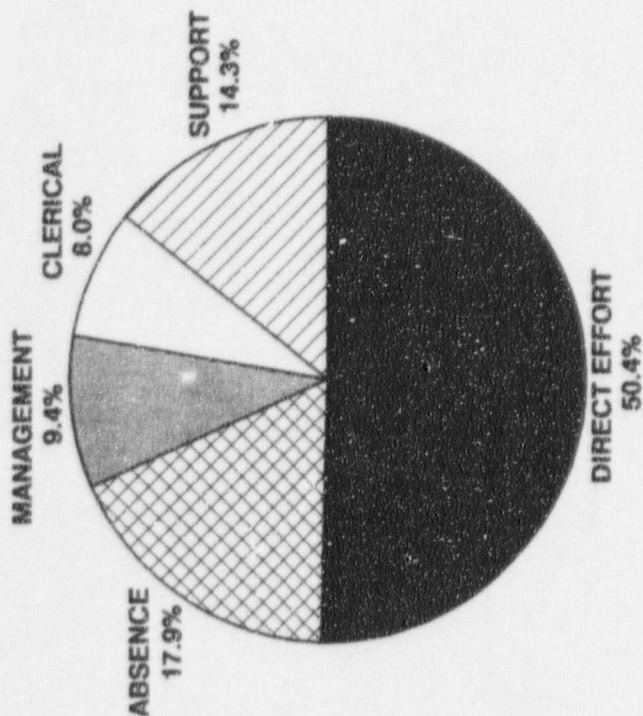
DATA SOURCE:

WISP; NRR regular and non-regular hours; data presented is current through September 28, 1996, generated on December 17, 1996.

PPRB CONTACT: S.P. Sands

DIV CONTACT: R. Villafranco, DISP

DISTRIBUTION OF NRR HOURS



	HRS(000)	% OF TOTAL
DIRECT EFFORT	688.3	50.4%
MANAGEMENT	128.9	9.4%
CLERICAL	109.4	8.0%
SUPPORT	196.0	13.4%
ADMIN	62.6	4.6%
TRAINING	67.9	5.0%
TRAVEL	19.3	1.4%
OTHER	46.2	3.3%
ABSENCE	244.5	17.9%
TOTAL	1367.1	100%

Note: Data is for a 1 Fiscal Year period (10/01/95 - 09/28/96)

IV. PERSONNEL

NRR Awards

14

PURPOSE:

Portrays a summary of NRR awards.

ISSUES NEEDING RESOLUTION: None.

ANALYSIS:

- In FY 1994, 36.2% of on board NRR staff (624) received awards (226 awards).
- In FY 1995, 40.5% of on board NRR staff (625) received awards (253 awards).
- In FY 1996, 40.6% of on board NRR staff (589) received awards (239 awards).
- For the purpose of calculating awards, the on board staff represents a snap-shot in time of personnel, excluding SES members, at the end of March 1996 (604) and at the end of September 1996 (589).

FUTURE ACTION: None.

SOURCE OF DATA:

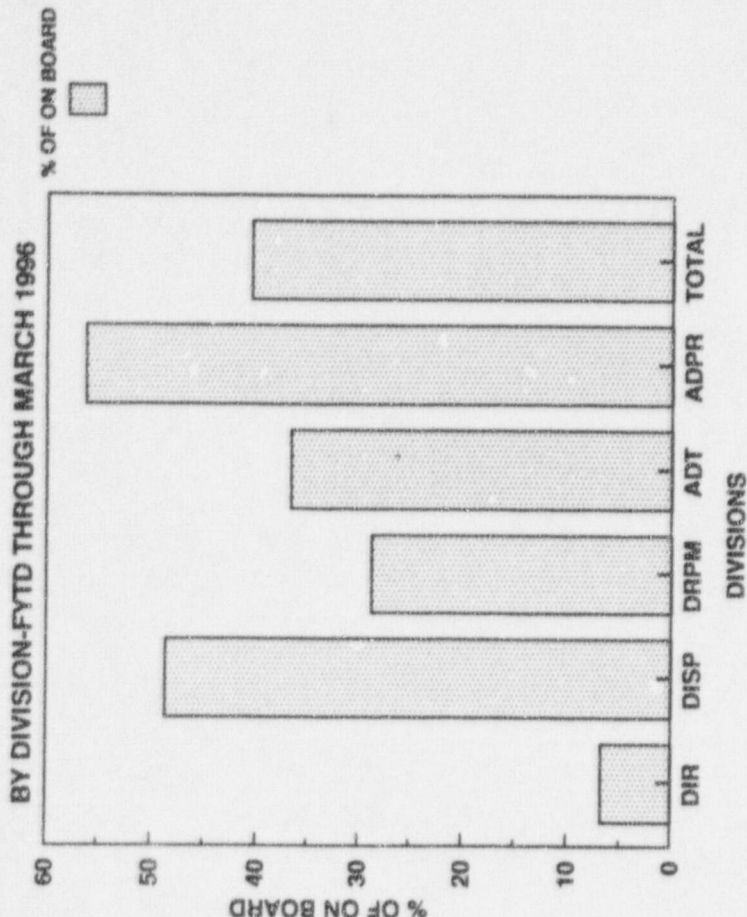
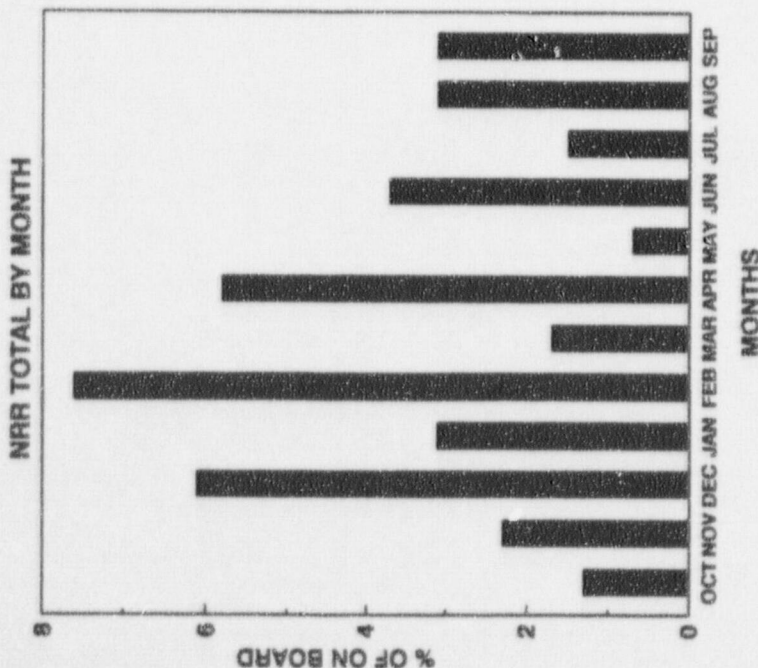
NRR Satellite, Office of Personnel. Data presented is current through the end of September 1996; generated on December 23, 1996.

1. Data does not include SES staff
2. Data does not include instant cash awards or any award $\leq$ \$200
3. Awards are those awarded from 10/1/95 - > 9/30/96
4. On board FY 96 staff (589), excluding SES, reflects employees on board as of 9/30/96.

PERSONNEL CONTACT: J. Albright (Caswell)

DIV CONTACT: R. Villafranco, DISP

NRR AWARDS % OF ON BOARD* October 1, 1995 - September 30, 1996



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DIR	DISP	DRPM	ADT	ADPR	TOTAL
CURRENT MONTH	8	14	37	19	46	10	34	4	22	9	18	18	15	78	111	248	137	589
FYTD	8	22	59	78	124	134	168	172	194	203	221	239	1	38	32	91	77	239
% OF ON BOARD	1.3	2.3	6.1	3.1	7.6	1.7	5.8	0.7	3.7	1.5	3.1	3.1	6.7	48.7	28.9	36.7	56.2	40.6

Source of Data: NRR Satellite Office of Personnel
 Data current through the end of September 1996
 Data does not include instant cash awards or any award < /= \$200
 On Board Staff: 804 on 3/31/96; 589 as of 9/30/96
 *Does not include SES
 NOTE: Data correct through the end of September 1996.

NRR EEO Profile

PURPOSE:

Presents the trend and status of females and minorities in NRR and compares these with the NRC average.

ISSUES NEEDING RESOLUTION: None.ANALYSIS:

- While the number of NRR minority employees for FY 1996 ending September 30, 1996 decreased slightly to 155 (when compared to the data (160) ending September 1995), the percentage of NRR minorities has increased slightly from 23.5 % in FY 1995, to 24.2% for FY 1996. This is 15.8% greater than the NRC average, where 20.9% of all employees are minorities.
- The number of NRR female employees decreased from 167 (24.5 %) in September 1995, to 154 (24.0%) in September 1996, and remains below the NRC average, where 37.3 % of all employees are female. Portions of the decrease are due to downsizing and a reduction to overhead positions.

FUTURE ACTION: None.SOURCE OF DATA:

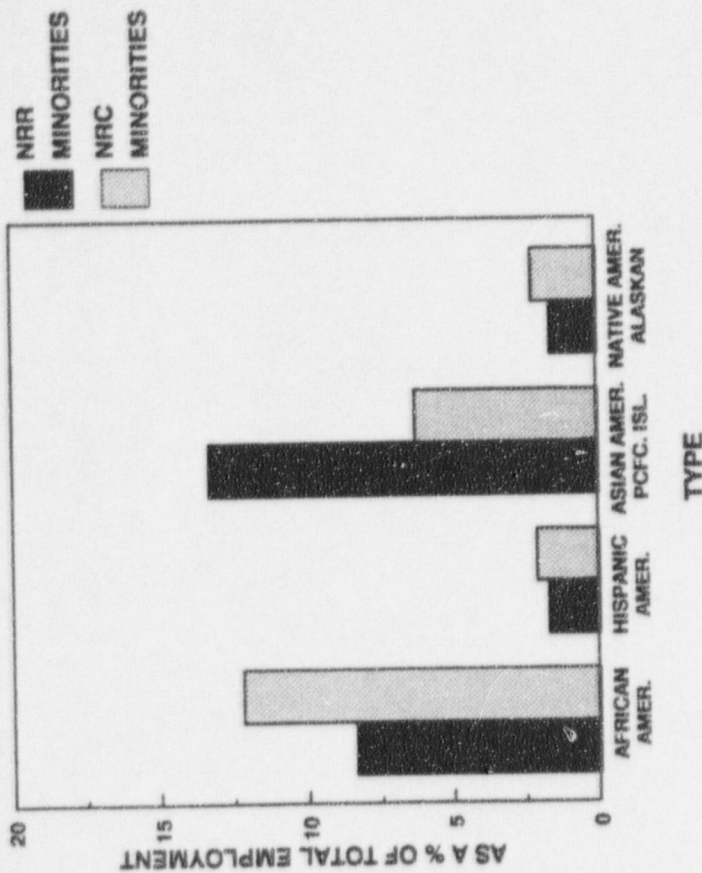
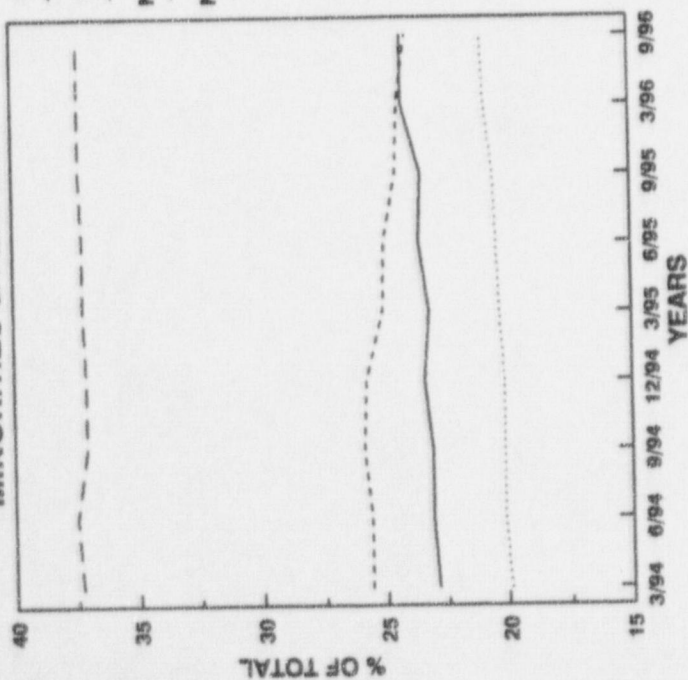
The Office of Personnel (data drawn on 1/13/96). Data current through the end of September 1996.

PPRB CONTACT: S.P. Sands

DIV CONTACT: R. Villafranco, DISP

NRR EEO PROFILE FY - 1996

MINORITIES & FEMALES



	AFRICAN AMER.	HISPANIC AMER.	ASIAN AMER. PCFC ISL	NATIVE AMER. ALASKAN
NRR MINORITIES	54	11	89	1
NRR % OF TOTAL	8.4	1.7	13.9	0.16
NRC % OF TOTAL	12.2	2.1	6.3	0.22

	3/94	6/94	9/94	12/94	3/95	6/95	9/95	3/96	9/96
NRR MINORITIES	165	166	166	166	160	163	160	159	155
NRR % OF TOTAL	22.9	23.1	23.1	23.4	23.2	23.6	23.5	24.2	24.2
NRC % OF TOTAL	19.9	20.1	20.1	20.1	20.3	20.4	20.5	20.8	20.9
NRR FEMALES	184	184	186	183	173	173	167	160	154
NRR % OF TOTAL	25.6	25.6	25.9	25.8	25.1	25.0	24.5	24.4	24.0
NRC % OF TOTAL	37.3	37.5	37.1	37.1	37.2	37.2	37.3	37.3	37.3

Note: Data current through the end of September 1996.

Reactor Inspector Assignments

PURPOSE:

Presents the current status of Resident Inspectors for Operating Reactors as compared to the "N + 1" Policy Statement (SECY 92-354) on Resident Reactor Inspector assignments

ISSUES NEEDING RESOLUTION None

ANALYSIS:

As of September 30, 1996, the following have been granted exceptions to the "N + 1" Policy:

RI	Susquehanna	-	April 6, 1995
RI	Limerick	-	April 6, 1995
RII	North Anna	-	October 2, 1995
RII	Turkey Point	-	April 6, 1995
RIII	Byron	-	April 6, 1995

FUTURE ACTIONS: None.

SOURCE OF DATA: Data current through September 30, 1996.

PPRB CONTACT: C. Velez

DIV CONTACT: R. W. Borchardt, Chief, PIPB

ACKNOWLEDGEMENTS

Editor - Stephen Sands
Graphics - Barbara Johnson