

July 21, 1992

Docket Nos. 50-250
and 50-251

LICENSEE: Florida Power and Light Company
FACILITY: Turkey Point, Units 3 & 4
SUBJECT: SUMMARY OF JULY 7, 1992 MEETING

On July 7, 1992, the Turkey Point Site Vice President, Mr. T. Plunkett and the Site Licensing Manager, Mr. E. Weinkam met with Mr. Taylor, Dr. Murley and other NRC senior management staff at their offices in Rockville, Maryland. The discussions were general in nature and did not result in specific action items.

In its presentation, Florida Power and Light Company (FPL) discussed the current status, and future directions and plans for Turkey Point Units 3 and 4. Enclosed is a copy of handout provided in the meeting. Significantly, FPL indicated that there is a steady annual growth in demand for electricity in the area (approximately 3%) and that they are currently buying approximately 2500 MWT from outside sources.

(Original Signed by)

L. Raghavan, Acting Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Handout

cc w/enclosure:
See next page

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D. Miller
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J. Wechselberger, 17-G-21
J. Taylor, 17-G-21

LA:PDII-2
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7/29/92
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Memo
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Florida Power and Light Company

Turkey Point Plant

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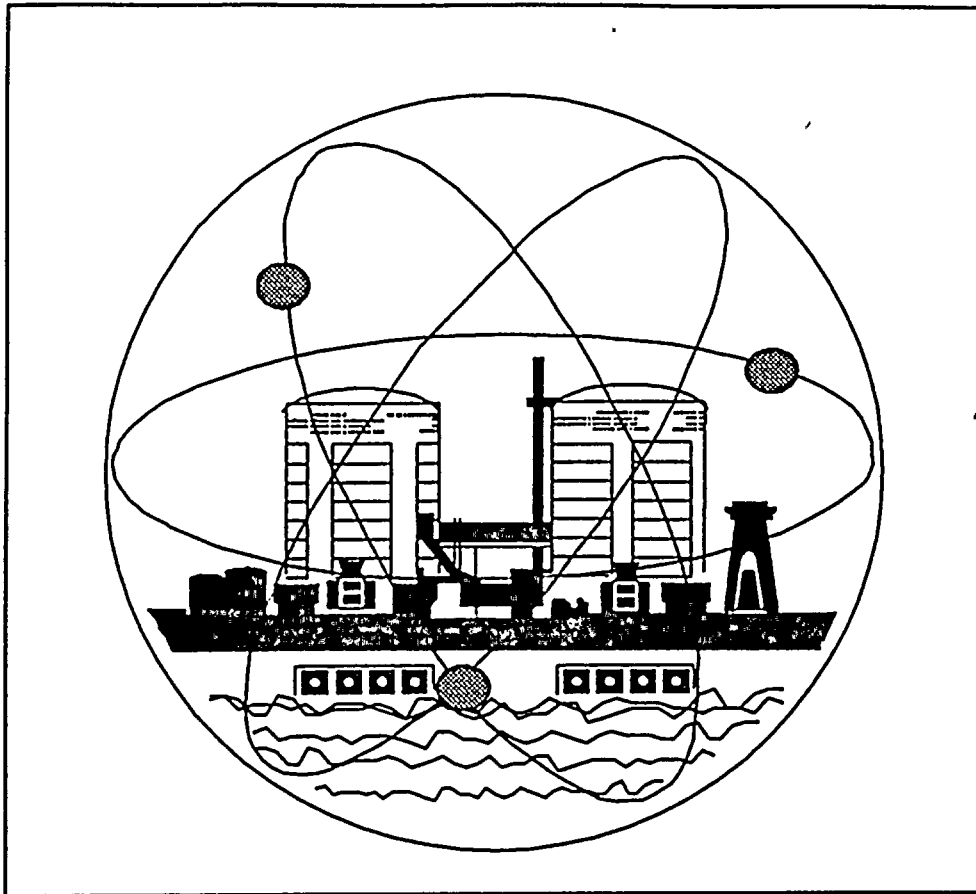
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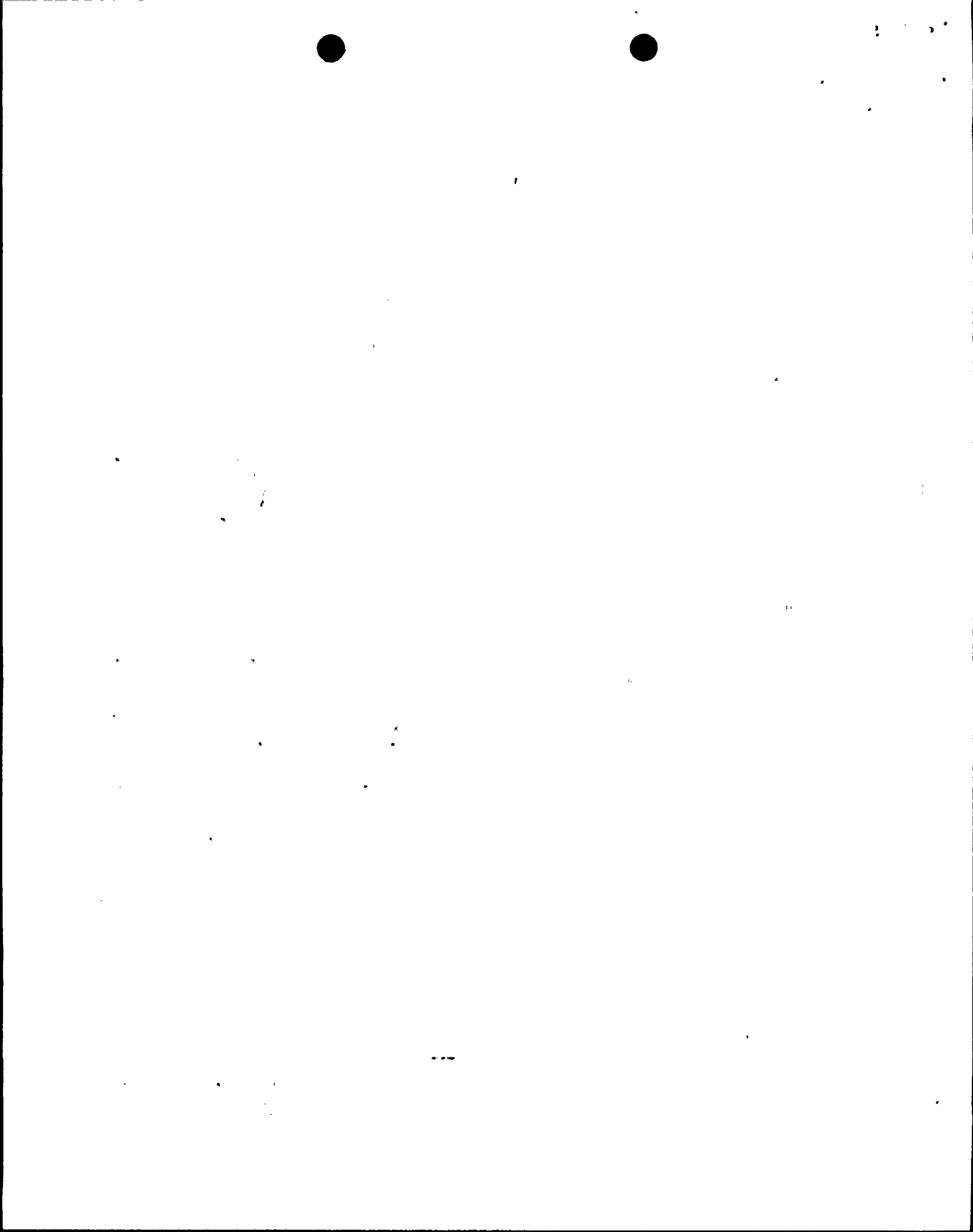
TURKEY POINT NUCLEAR PLANT



FLORIDA POWER & LIGHT
PRESENTATION TO NRC MANAGEMENT
WHITE FLINT, MARYLAND
JULY 7, 1992

INDEX

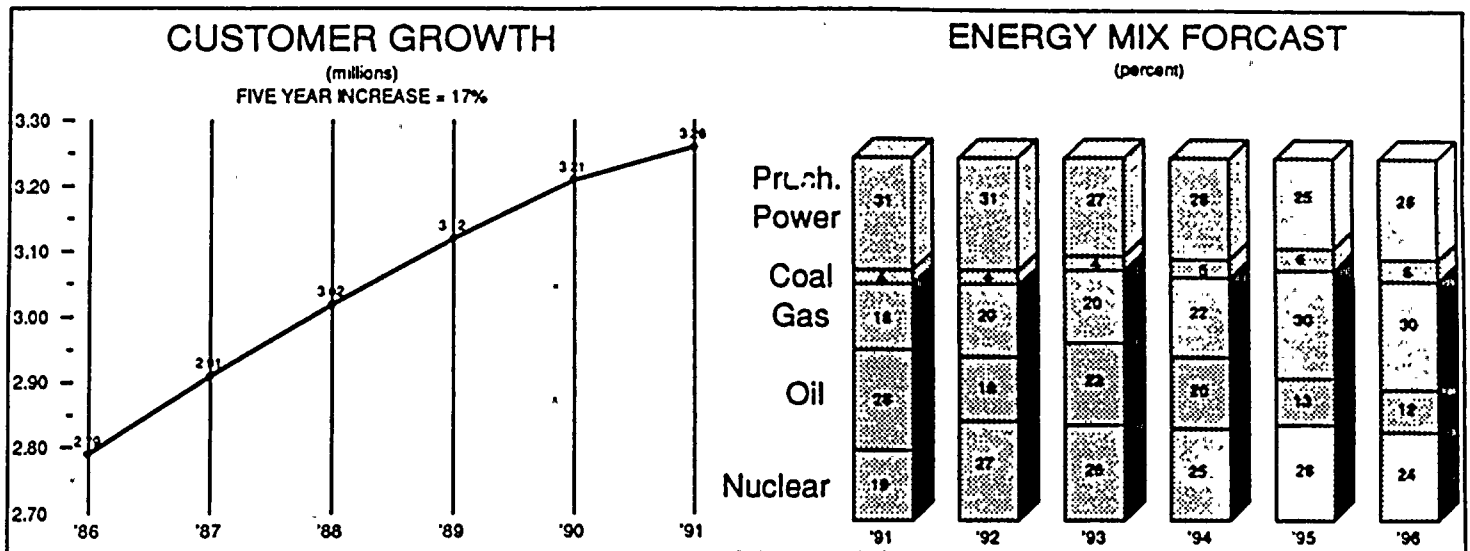
| | <u>Page</u> |
|------------------------------------|-------------|
| Florida Power & Light Fact Sheet | 1 |
| Florida Power & Light Organization | 2 |
| Aerial Overview of Turkey Point | 3 |
| Close-Up of Turkey Point | 4 |
| Turkey Point History | 5 |
| Capital and O&M History | 6 |
| Dual Unit Outage Summary | 7 |
| Quality Program | 8 |
| Human Resources | 9 |
| Overtime | 10 |
| Engineering Support | 11 |
| Drawing Update and NCR Summary | 12 |
| PRA | 13 |
| Operator Licensing Performance | 14 |
| Corrective Maintenance | 15 |
| MOV Failure Analysis | 16 |
| Chemistry Performance Index | 17 |
| Personnel Exposure | 18 |
| Contaminations | 19 |
| SALP History | 20 |
| Benchmarking Turkey Point | 21 |
| Strategic Planning | 22 |
| Changes In Turkey Point Culture | 23 |
| Turkey Point Tomorrow | 24 |



Florida Power and Light Company

Fact Sheet

(Based upon 1991 year-end statistics)



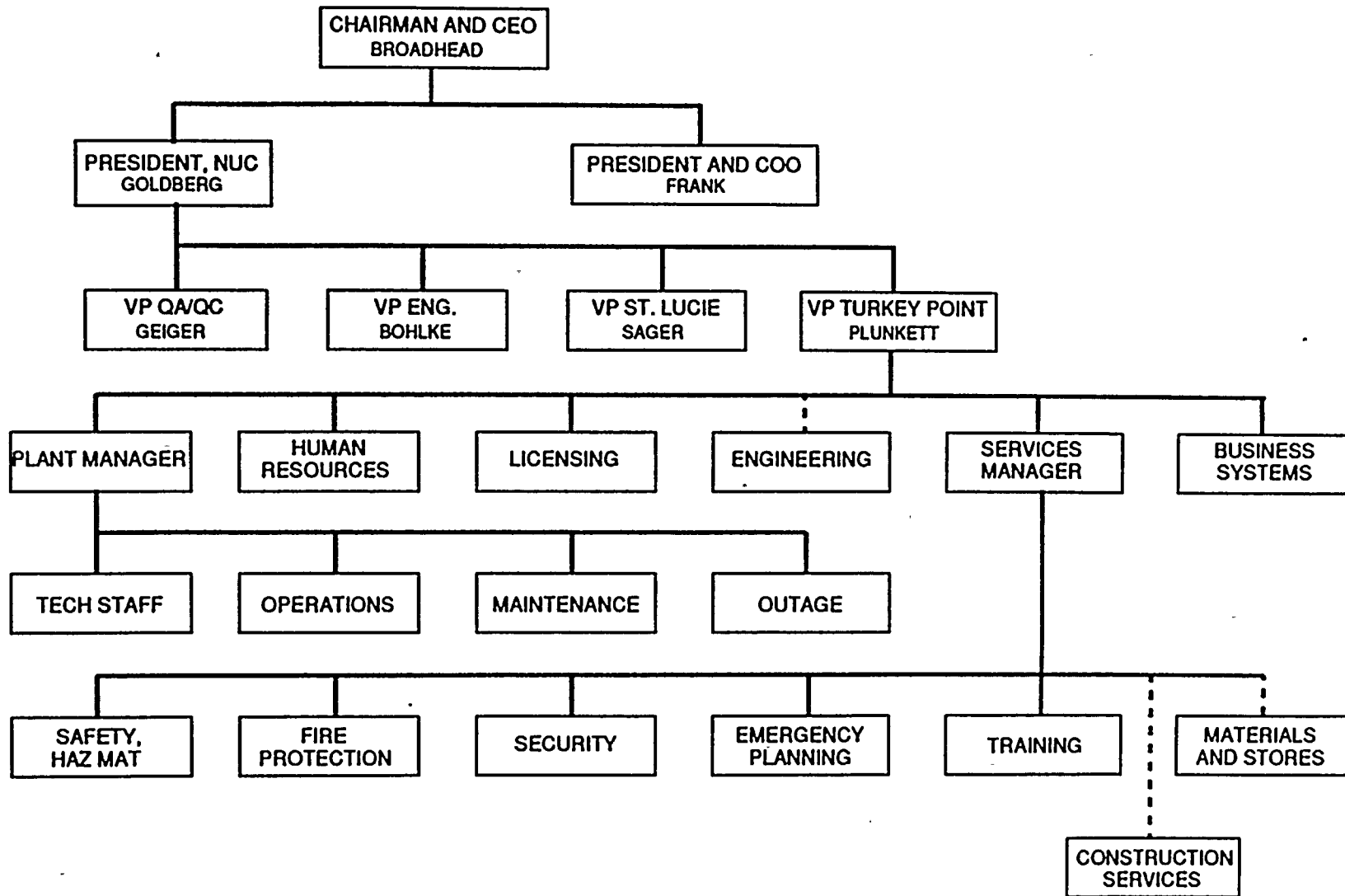
FPL Capacity Resources

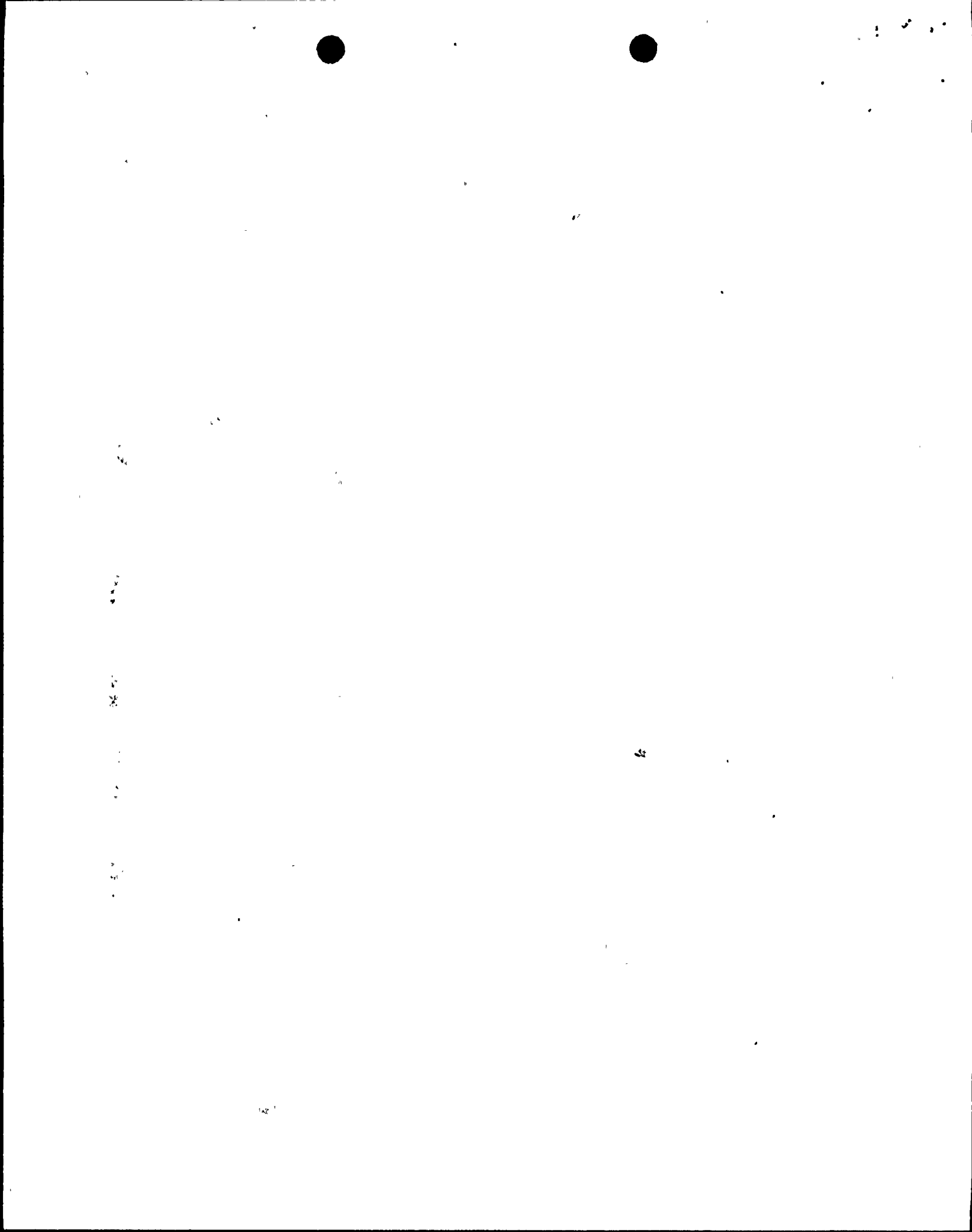
| | Name | Units | Fuel | Capacity (megawatts) |
|--------------|-----------------|-----------|-------------|----------------------|
| A. | Manatee | 2 | Oil | 1,506 |
| B. | Ft. Meyers | 2 | Oil | 504 |
| C. | Turkey Point | 4 | Nuc/Oil/Gas | 2,006 |
| D. | Culer | 2 | Gas | 207 |
| E. | Lauderdale | 2 | Oil/Gas | 274 |
| F. | Port Everglades | 4 | Oil/Gas | 1,142 |
| G. | Rivers | 2 | Oil/Gas | 544 |
| H. | Marin | 2 | Oil/Gas | 1,506 |
| I. (1) | St. Lucie | 2 | Nuclear | 1,553 |
| J. | Cape Canaveral | 2 | Oil/Gas | 734 |
| K. | Sanford | 3 | Oil/Gas | 661 |
| L. | Putnam | 2 | Oil/Gas | 448 |
| M. (2) | St. Johns River | 2 | Coal | 250 |
| N. (3) | Scherer | 1 | Coal | 150 |
| | Purchased Power | | | 2,596 |
| | Peaking Units | | | 1,892 |
| | Load Management | | | 347 |
| Total | | 32 | | 16,702 |

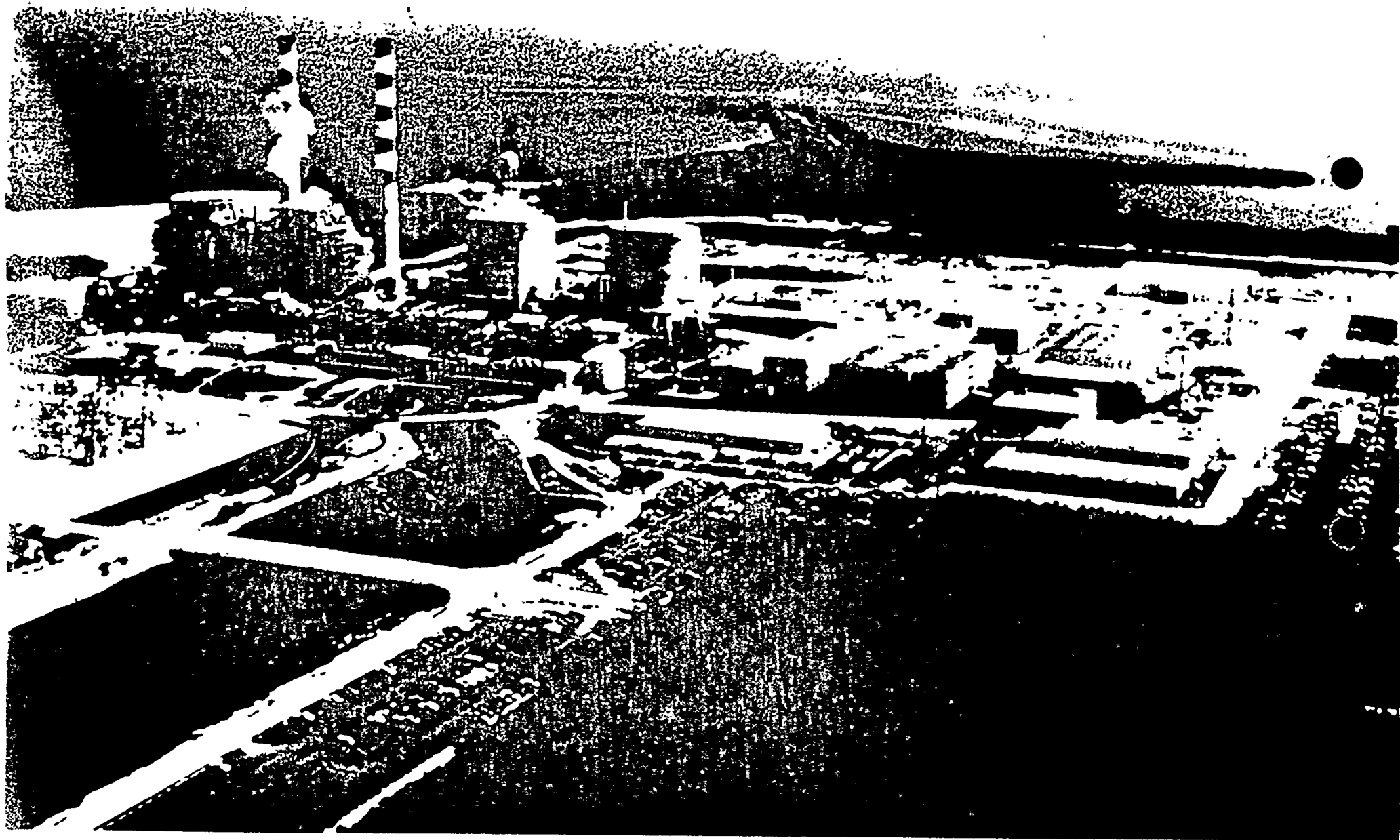
Energy Usage

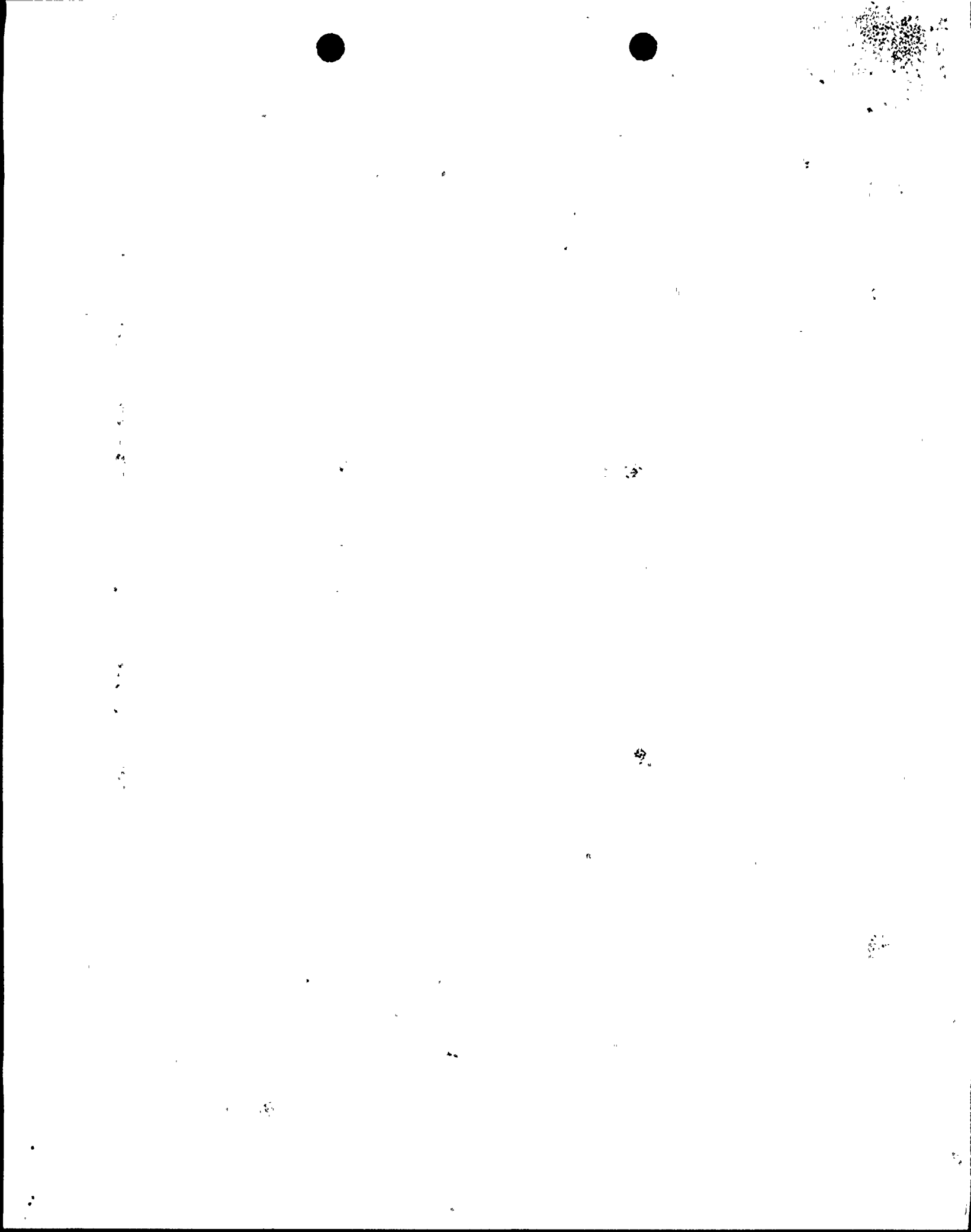
- Total Usage (all customers) 67.6 Billion kwh
- Growth in usage (above 1990)3.0%
- Avg. annual residential usage (and cost per kwh)
 - | 199112,083 kwh (8.2 cents)
 - | 199011,955 kwh (8.0 cents)
- 1991 peak load (60-minute net)
 - | Winter (Feb. 16, 1991) 11,868 mw
 - | Summer (Aug. 12, 1991) 14,123 mw
 - | All-time system peak (Aug. 12, 1991) . 14,123 mw

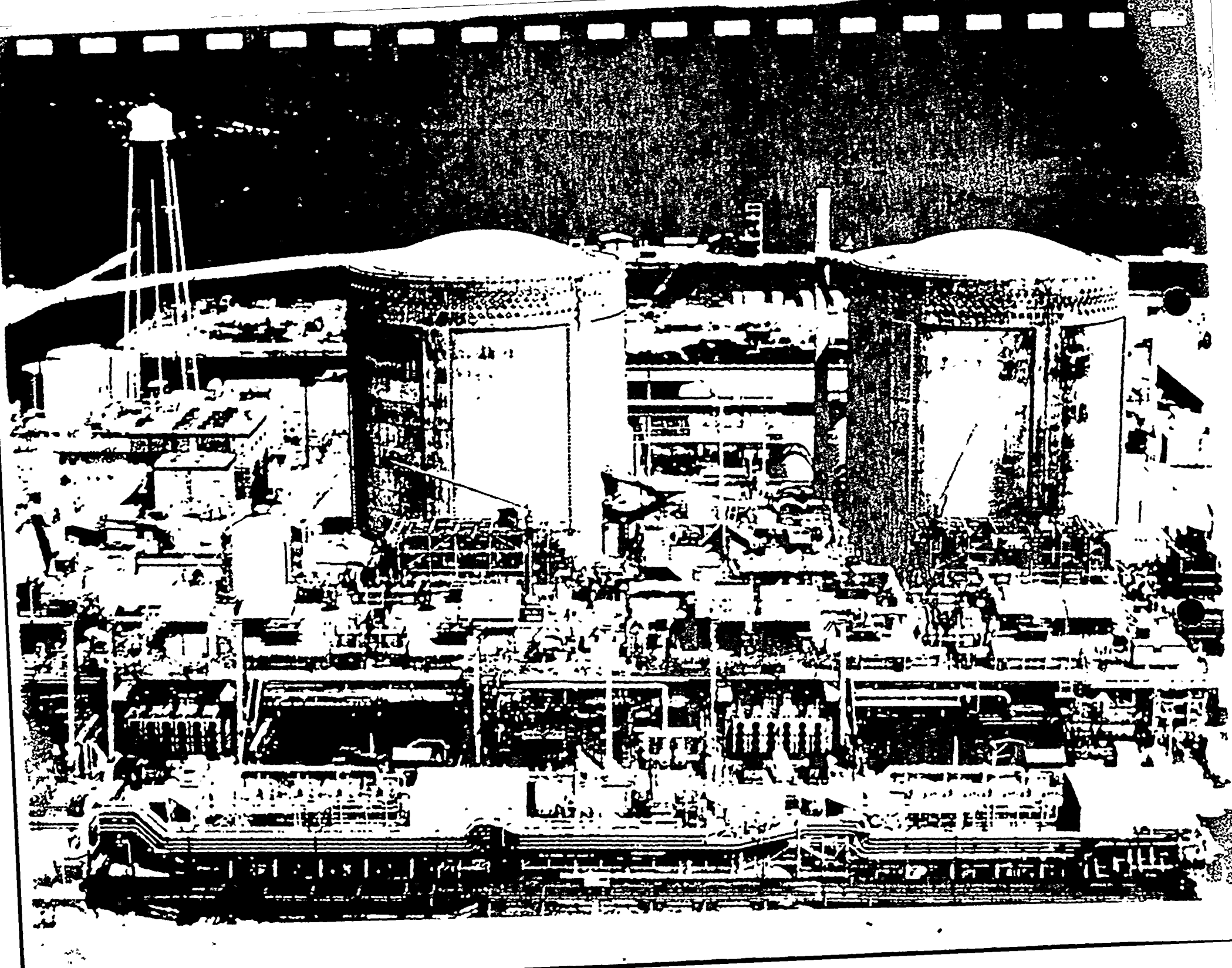
(1) FPL owns 100% of Unit 1 and 83% of Unit 2
 (2) FPL owns 20% of two 624 MW units
 (3) 1st Phase of 76% purchase of 846 MW Unit 4











TURKEY POINT HISTORY

- Westinghouse 3-loop PWR
- 666 MW each of two units
- Unit 3 - 11/22/72
- Unit 4 - 6/21/73

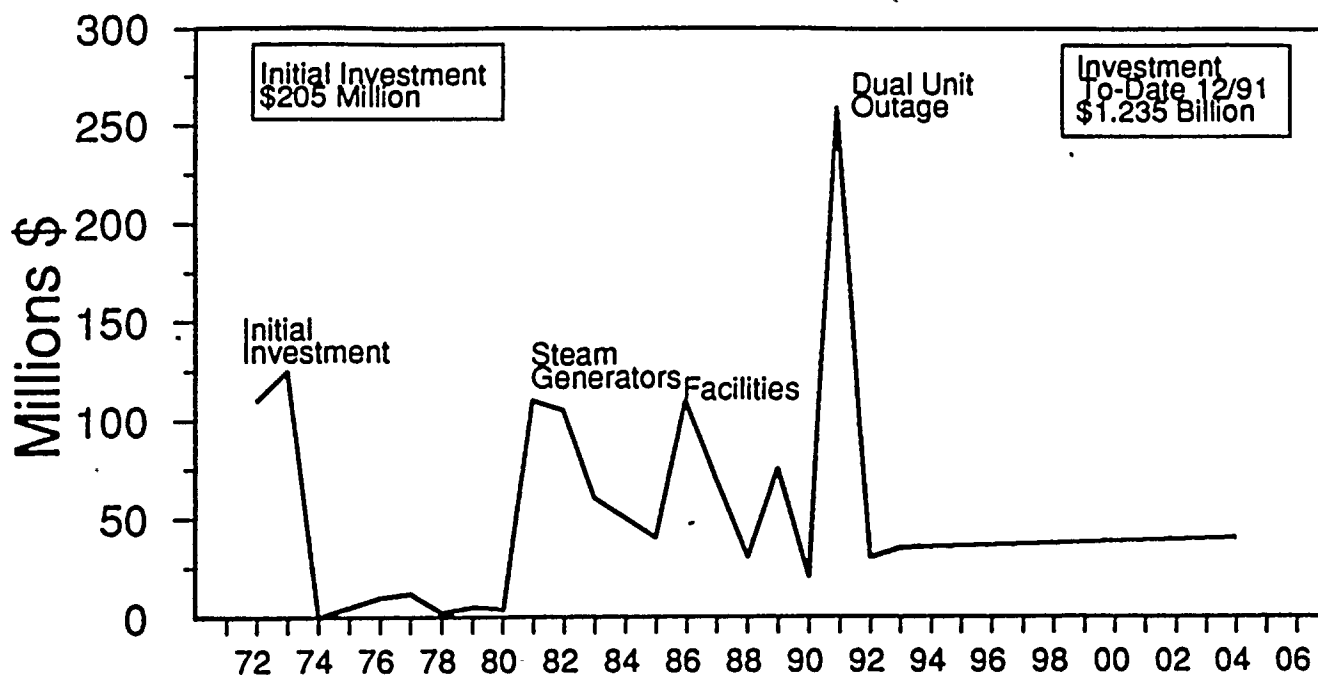
BACKGROUND

- February 1990 - Off NRC's "watch list"
- Fall 1990 - Longest dual unit run - 107 days
- November 1990 - Dual unit outage start
- January - April 1990 - Staffing analysis
- October 1991 - Dual unit outage end

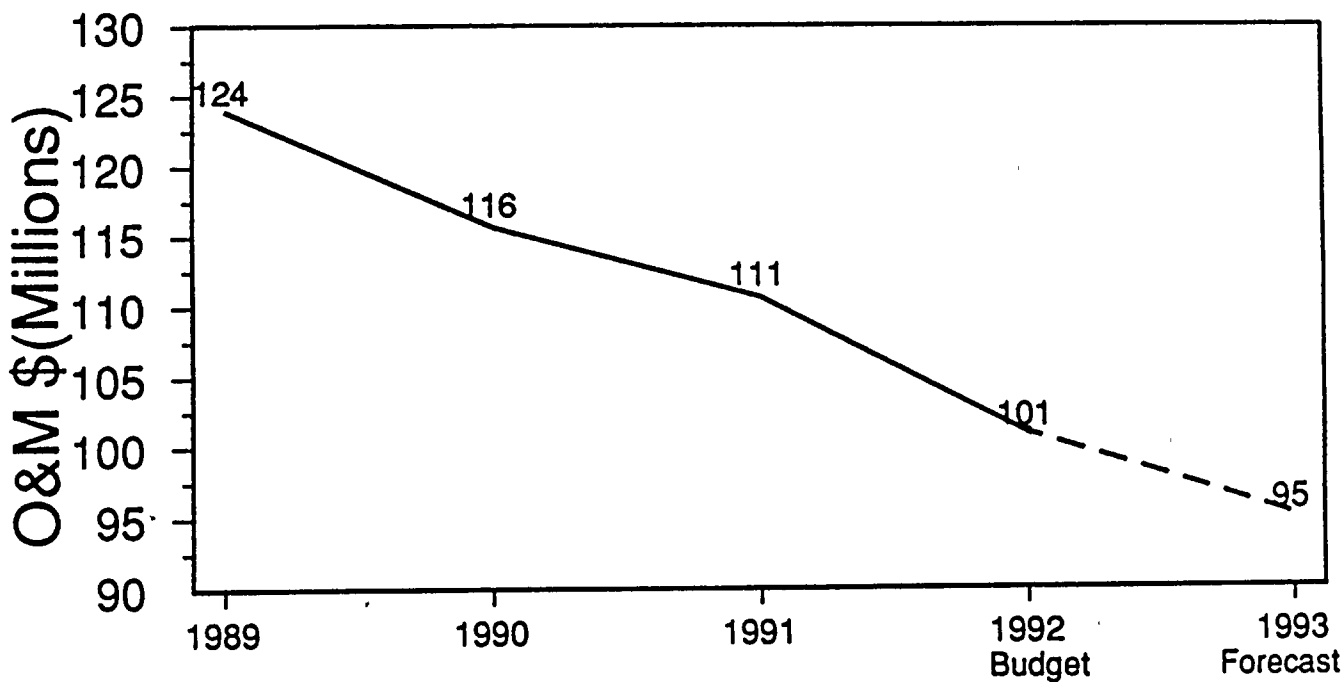
FALL 1990

- Strong Nuclear Division President
- Five site VPs in six years
- Strong Plant Manager (4 months in job)
- Absenteeism double FPL fossil units
- Training programs strong
- Major reliance on long term contractors
- Strong desire to improve

TURKEY POINT CAPITAL INVESTMENT



TURKEY POINT NUCLEAR O&M





10

11

12

13

14

15

16

17

18

19

20

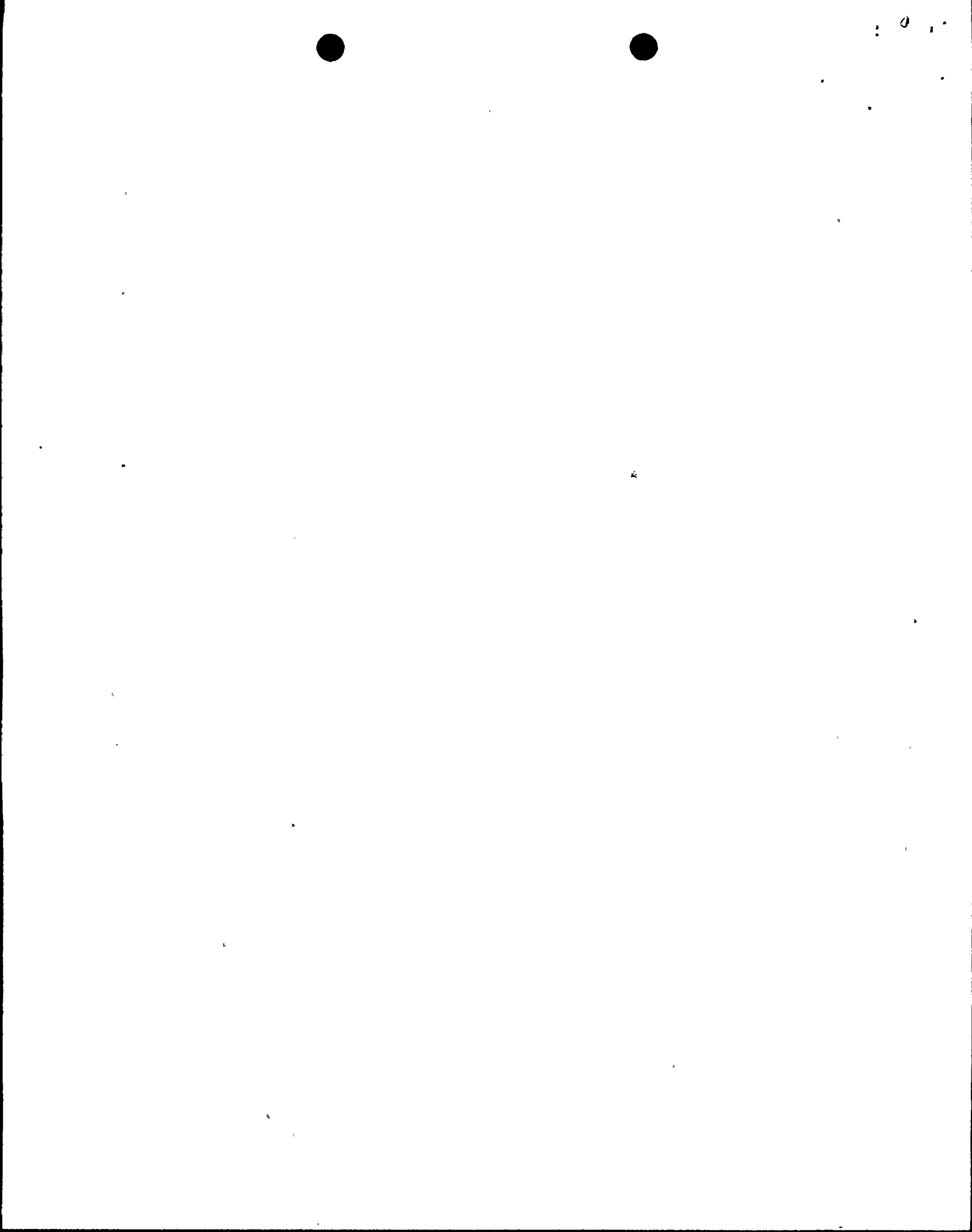
DUAL UNIT OUTAGE

\$258 Million Cost

NOVEMBER 24, 1990 - OCTOBER 29, 1991

● MAJOR OUTAGE WORK

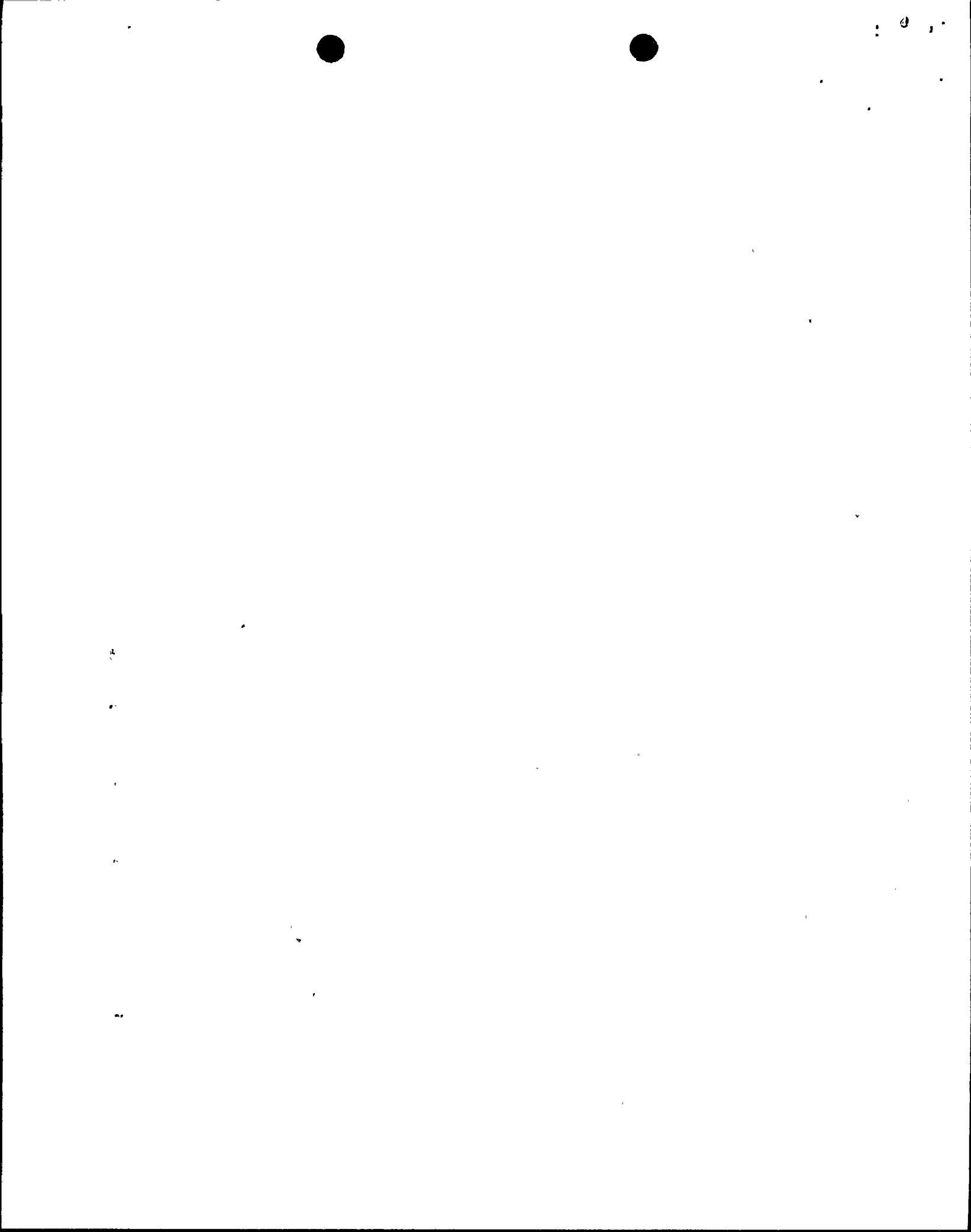
- Install 2 New Emergency Diesel Generators**
- Upgrade Existing Generators**
- Separate Plant Emergency Electrical System**
- Construct Security Entrance Building**
- Install Vital Area Barriers, Microwave and CCTV, Intrusion Detection Etc.**
- RTD Bypass Loop Elimination**
- Refuel Unit 4**
- Over 4000 Additional Tasks**
- Completed 6 Days Ahead of Schedule**
- Completed 3% Under Budget**
- MAJOR SUCCESS FOR TURKEY POINT EMPLOYEES**
- STRONG TEAMWORK EXHIBITED**





TURKEY POINT NUCLEAR PLANT
QUALITY

- Good Programs in Place
- Aggressive and Proactive Quality Leadership
- QA Manager Invited to All Management Meetings
- QA "Part of the Team"
- Some Attitude Tweaking Needed
 - Reduce Backlog of Responses
 - Managers Required to Attend QA Exits



HUMAN RESOURCES

LONG TERM GAME PLAN

- Reduce Contractors
- Reduce FPL Turkey Point Staff

January 1991:

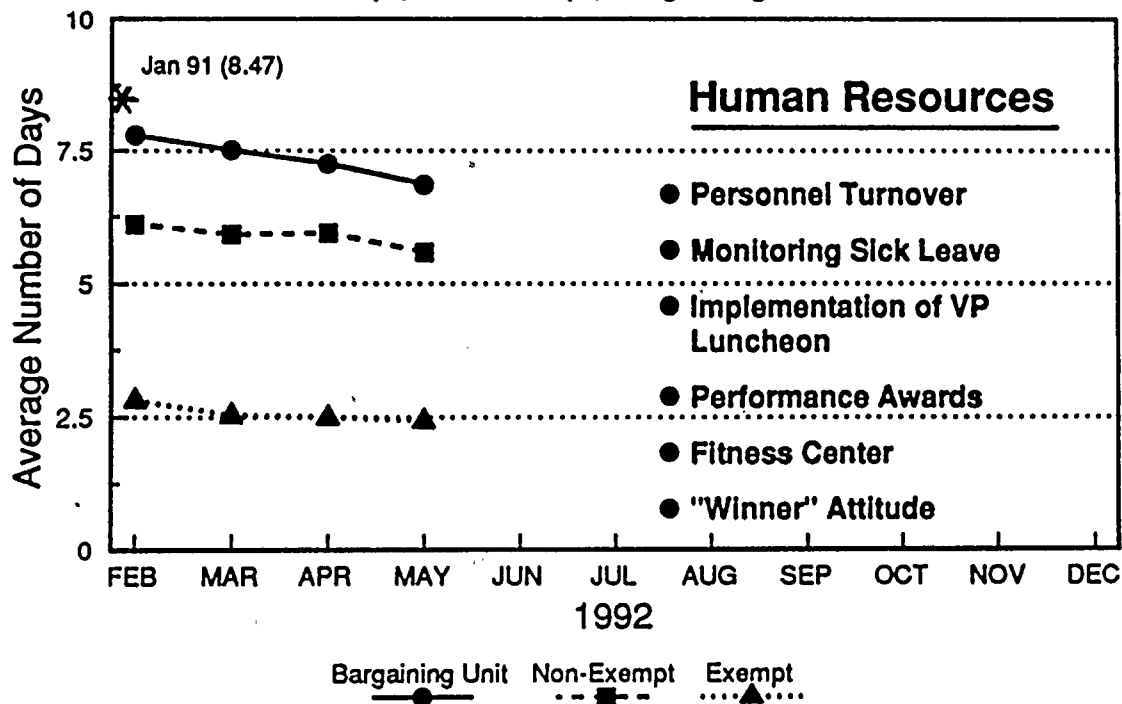
920 FPL
684 Long Term Contractors
 1604

Today

858 FPL
222 Long Term Contractors
 1080

AVERAGE NUMBER OF ABSENCES PER EMPLOYEE

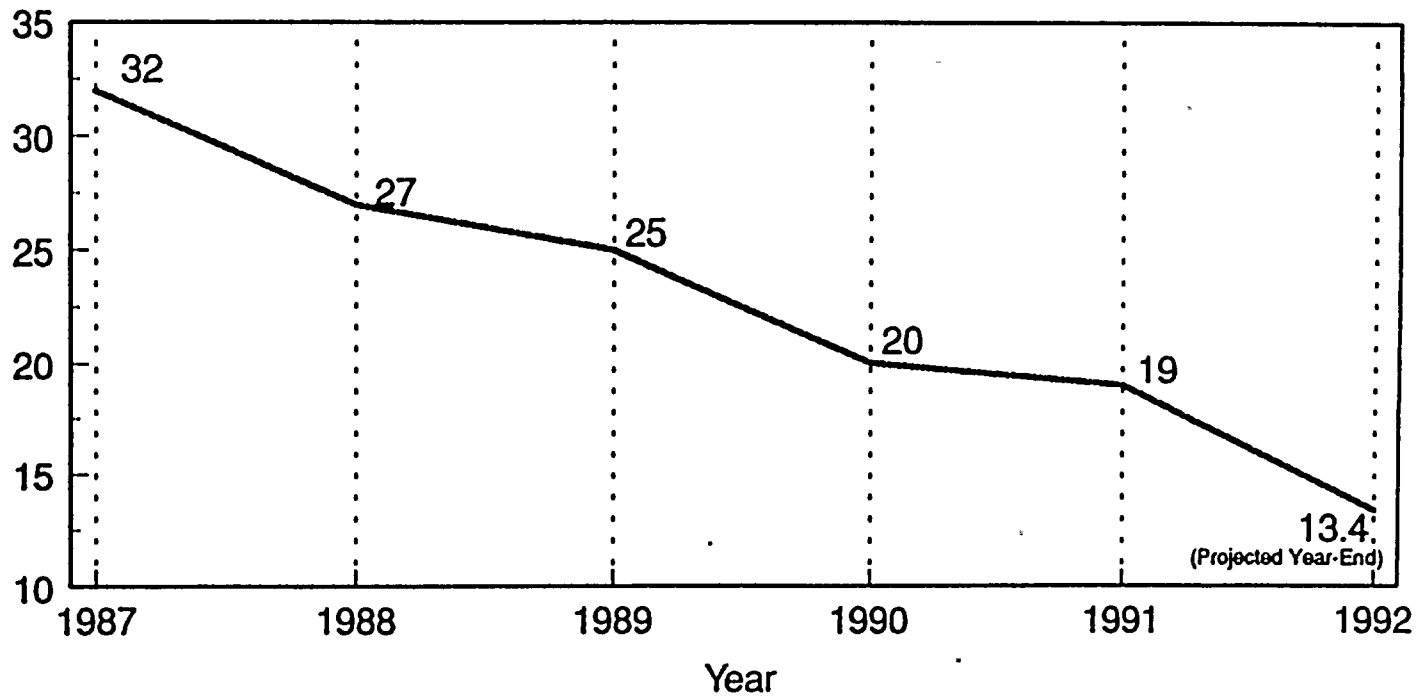
Exempt, Non-Exempt, Bargaining Unit



Turkey Point Overtime

1987 to 1992

Percent Overtime





ENGINEERING SUPPORT TO TURKEY POINT

NUCLEAR ENGINEERING

| SITE ENGINEERING | |
|--------------------|----|
| DESIGN ENGINEERING | |
| ENGINEERS | 28 |
| VACANT | 4 |
| ADMINISTRATIVE | 4 |
| | |
| PROCUREMENT | |
| ENGINEERS | 16 |
| VACANT | 3 |
| ADMINISTRATIVE | 2 |

TOTAL 57

| PRODUCTION ENGINEERING | |
|------------------------|----|
| P.E.G. ENGINEERING | |
| ENGINEERS | 50 |
| VACANT | 0 |
| ADMINISTRATIVE | 3 |
| | |
| OUTSIDE CONTR. MGMT. | |
| ENGINEERS | 4 |
| VACANT | 0 |
| ADMINISTRATIVE | 1 |

TOTAL 58

| STAFF AND ESI | |
|---|----|
| APPROXIMATELY 70 SUPPORT PROGRAMS. RESOURCES DIRECTED TO TURKEY POINT, AS REQUIRED. | |
| | |
| ENGINEERS | 64 |
| VACANT | 3 |
| ADMINISTRATIVE | 3 |

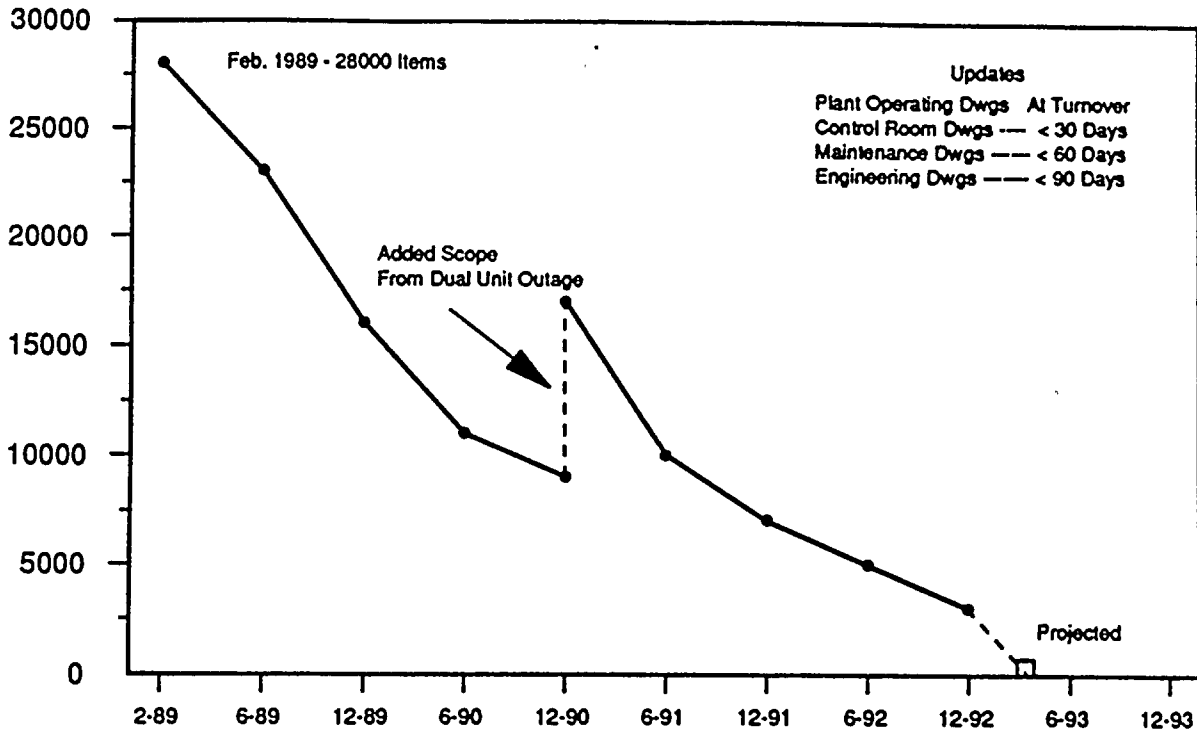
TOTAL: AS REQUIRED TO
SUPPORT PLANT
PROGRAMS.

GRAND TOTAL: 115 DIRECT TURKEY POINT SUPPORT STAFF

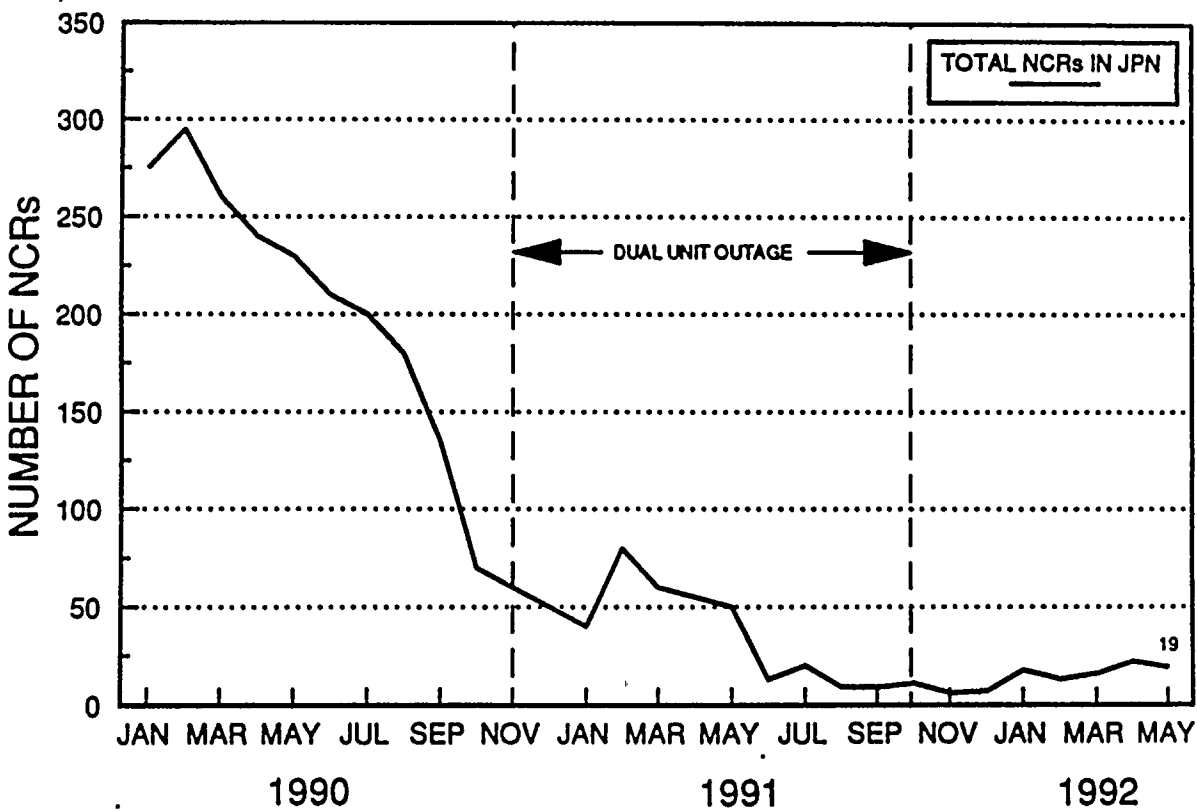
TURKEY POINT ENGINEERING

DRAWING UPDATE PROGRAM

TOTAL DRAWING CHANGES OR UPDATES



NCR SUMMARY



TURKEY POINT PRA

PRA APPLICATIONS IN DAILY WORK

- PROGRAMATIC APPLICATIONS

- QUARTERLY MAINTENANCE REVIEW - INPO GOOD PRACTICE
- ISEG REVIEW OF IMPORTANT PRA SEQUENCES

- DESIGN PROCESS APPLICATIONS

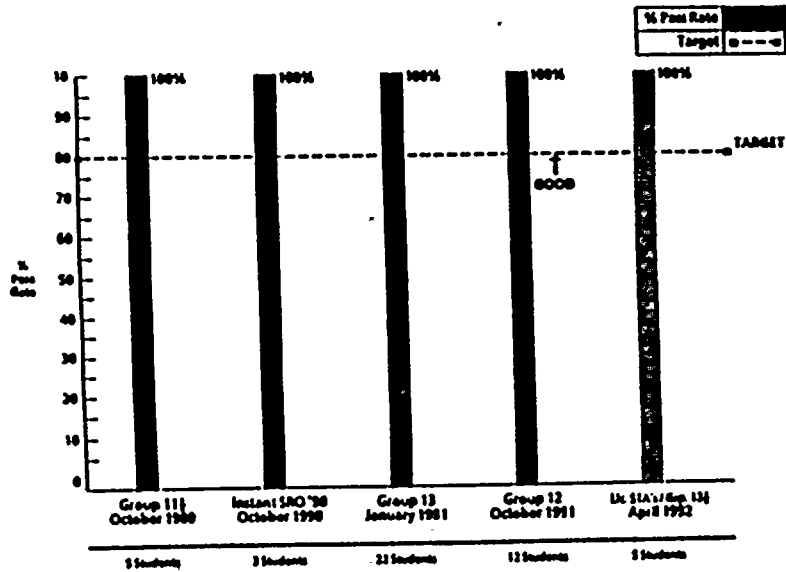
- DESIGNS IN PROGRESS REVIEWED FOR PRA IMPACT
- INSTRUMENT AIR STUDY - DESIGN OPTIONS REVIEW

- SPECIAL STUDIES

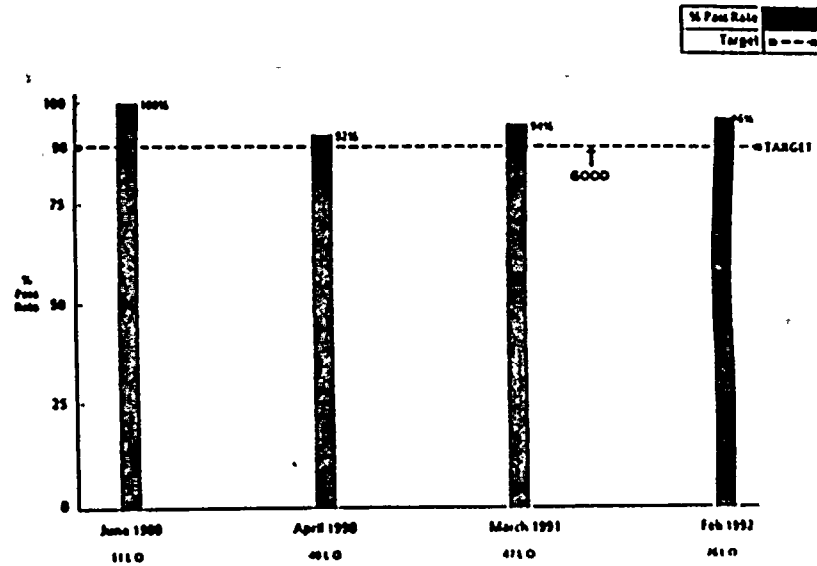
- INSIGHTS TO ON-LINE MAINTENANCE
- SAFETY SIGNIFICANCE OF IDENTIFIED PROBLEMS
 - MSIV NITROGEN VALVE MISPOSITION
- SEQUENCER TEST INTERVAL OPTIMIZATION

Operator Licensing Performance

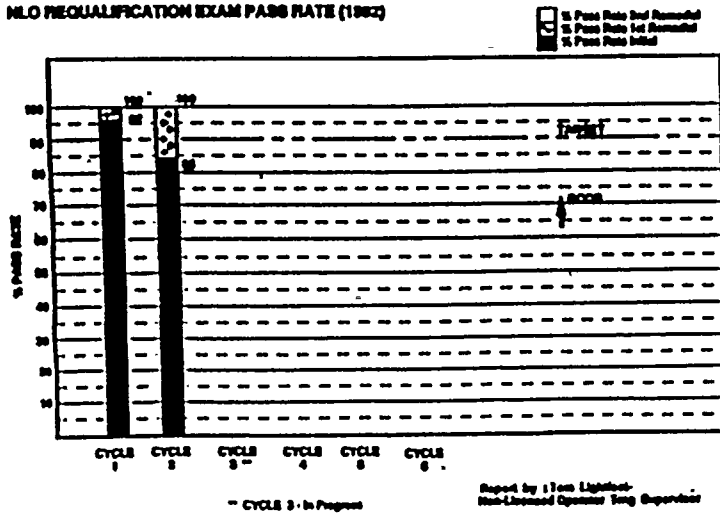
NRC INITIAL LICENSE EXAM RESULTS



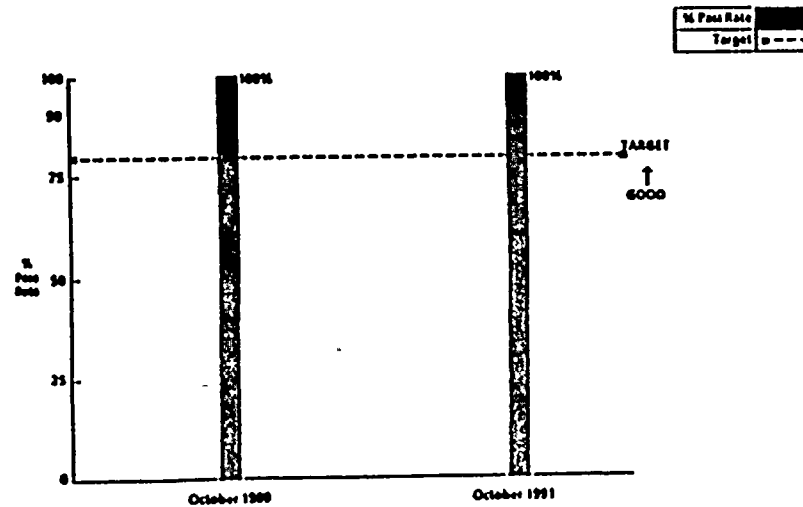
LICENSED OPERATOR ANNUAL REQUAL EXAM RESULTS



NLO REQUALIFICATION EXAM PASS RATE (1982)

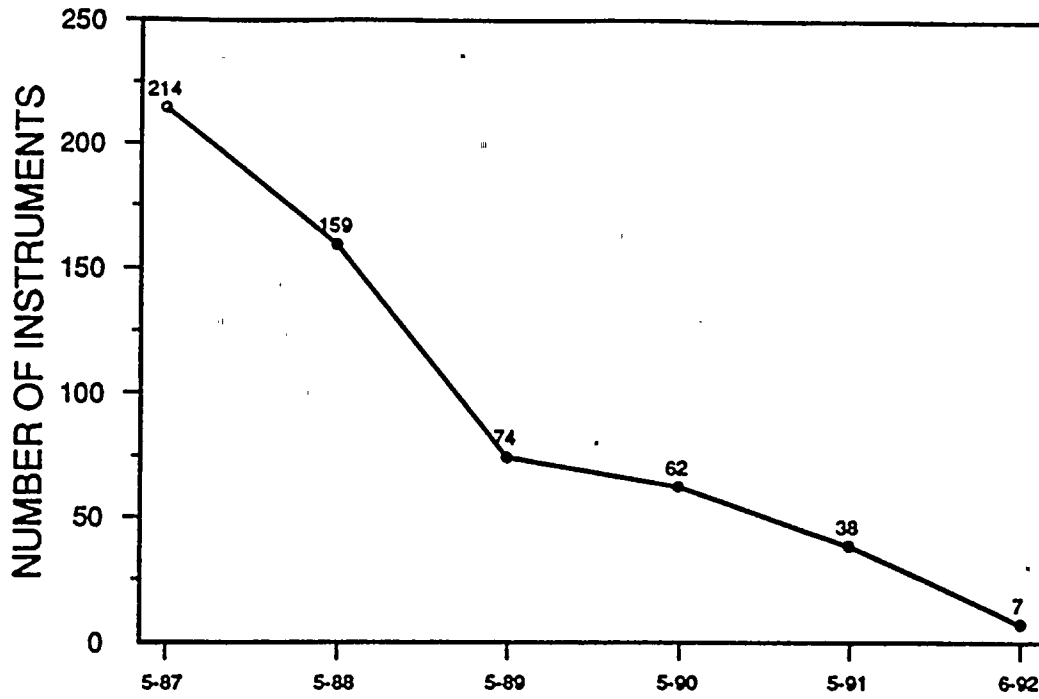


NRC SRO UPGRADE EXAM RESULTS

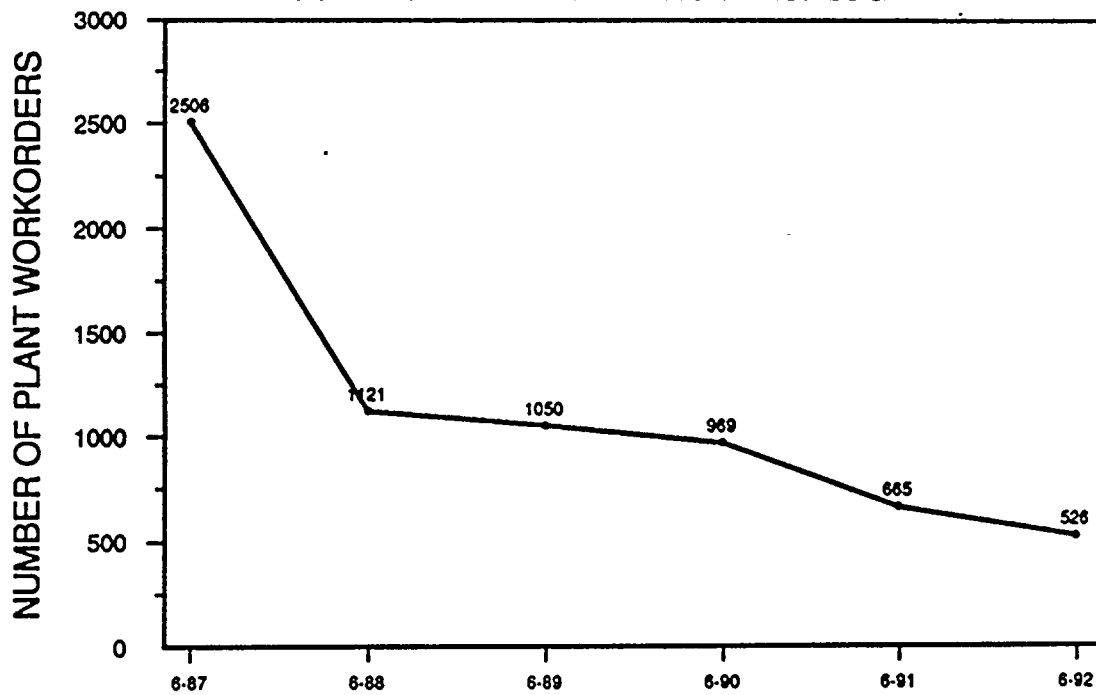


TURKEY POINT

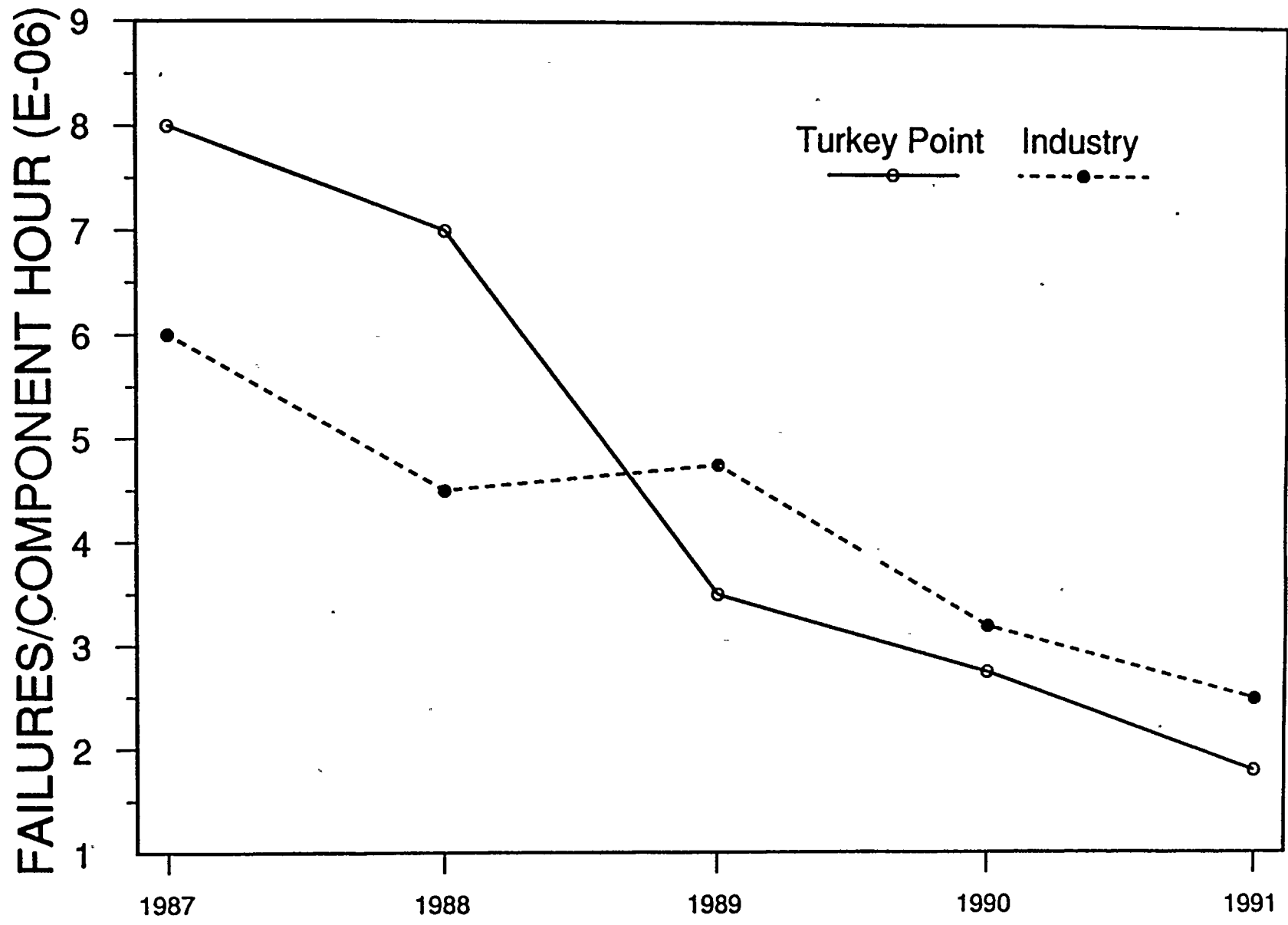
CONTROL ROOM INSTRUMENTS OUT-OF-SERVICE



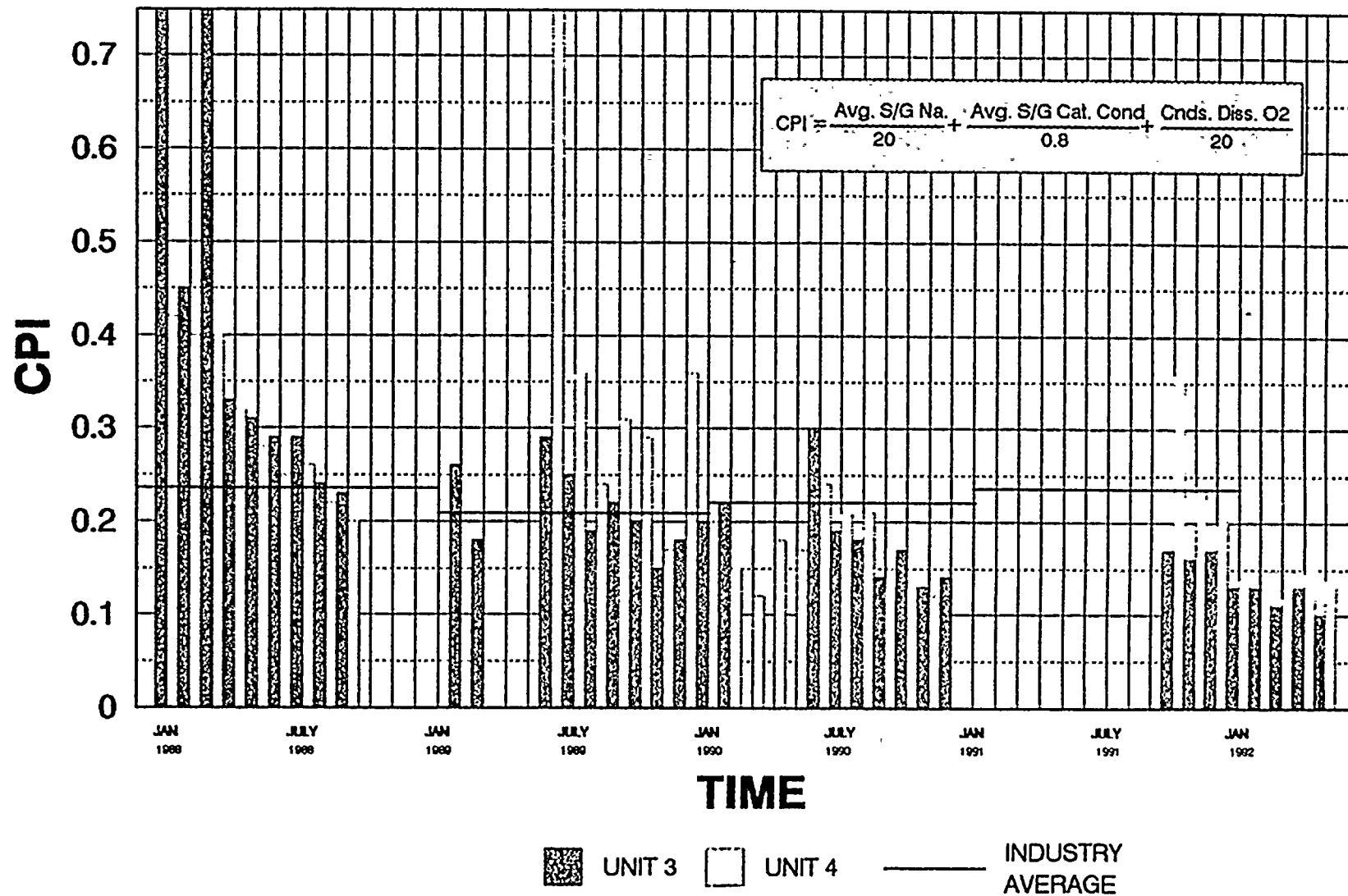
CORRECTIVE MAINTENANCE BACKLOG



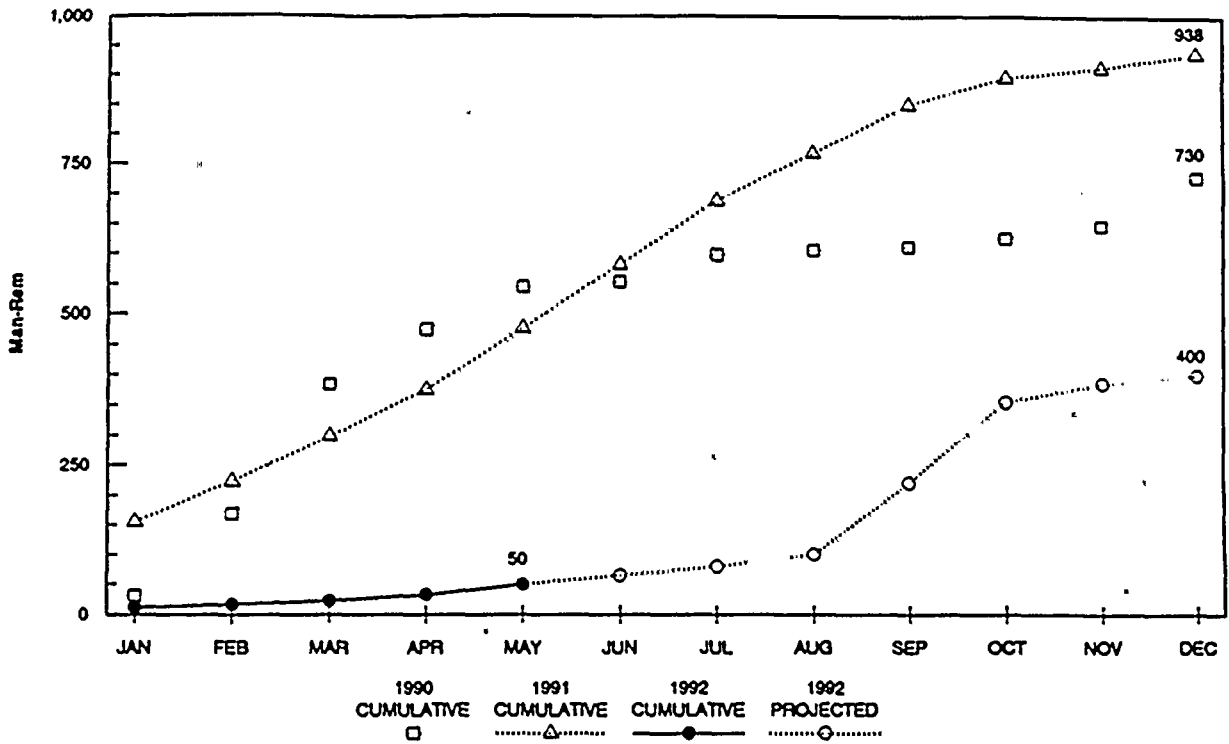
MOV COMPONENT FAILURE ANALYSIS REPORT



TURKEY POINT CHEMISTRY PERFORMANCE INDICATOR

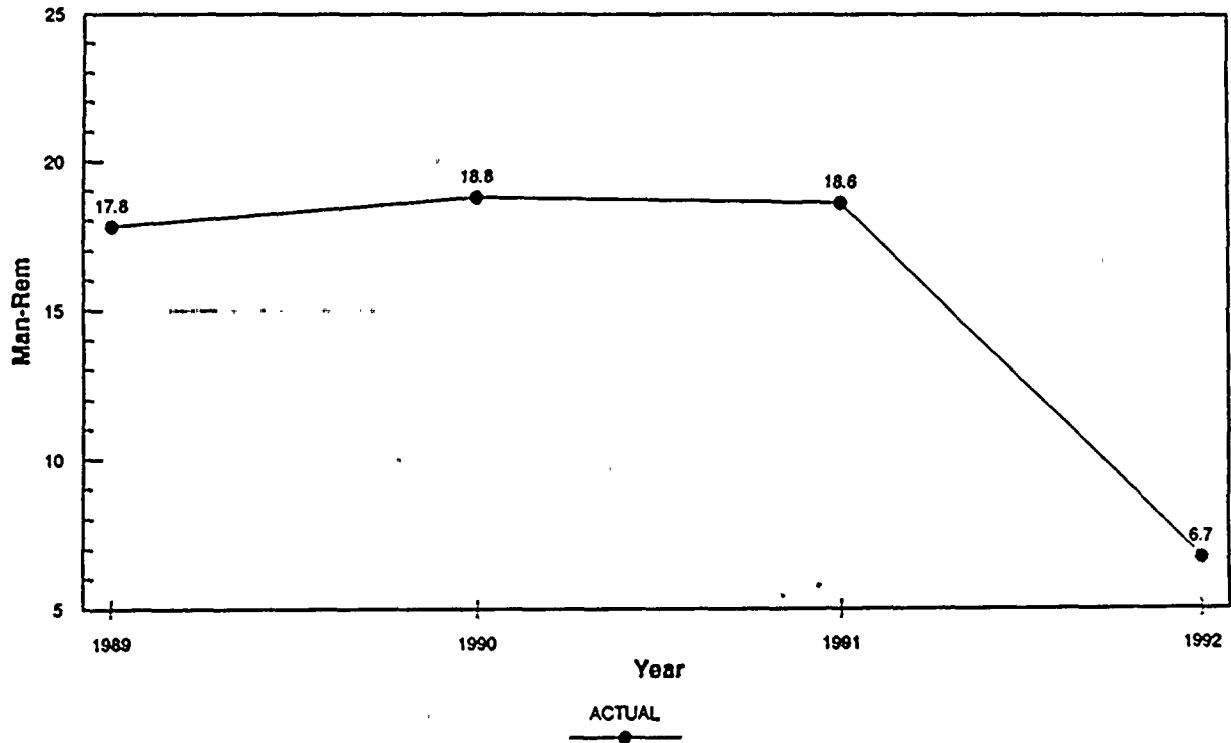


TURKEY POINT UNITS 3 & 4 1992 PERSONNEL EXPOSURE



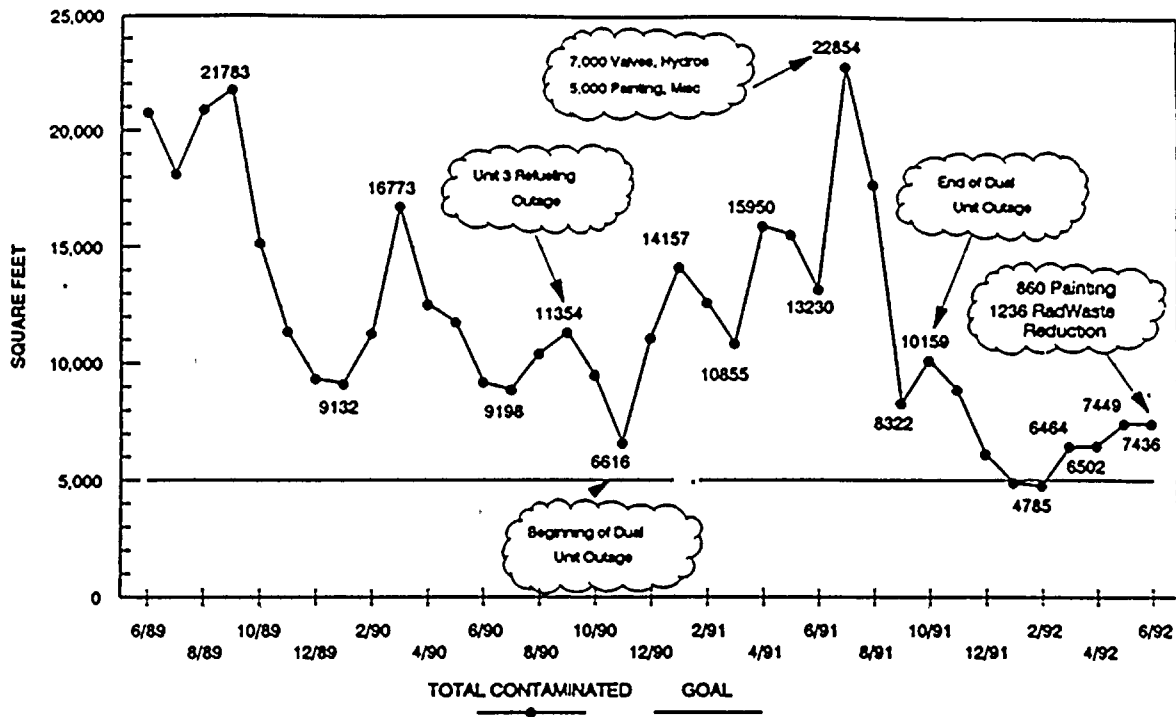
Data Manager: J. D. Lindsay
 Data Date: June 24, 1992
 Chart Name: SE176

1992 AVERAGE MONTHLY EXPOSURE Daily Maintenance & Plant Operation



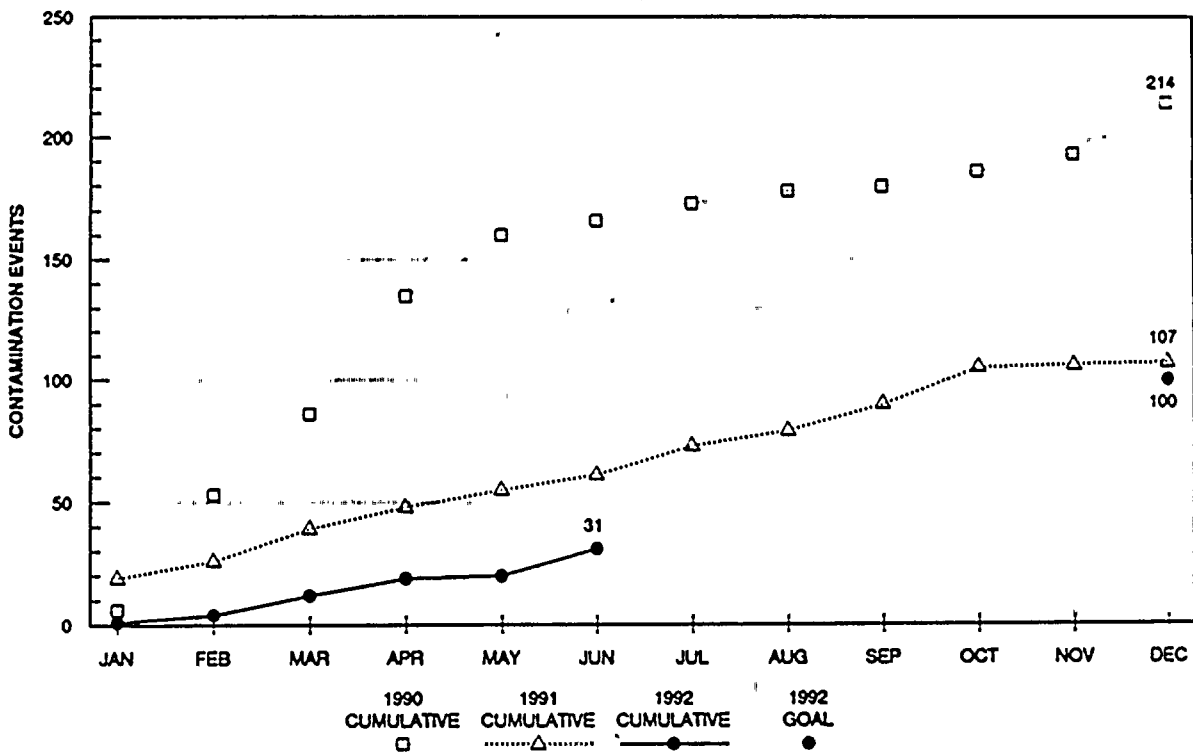
Data Manager: T. A. Coleman
 Data Date: June 23, 1992
 Chart Name: CA175

TURKEY POINT UNITS 3 & 4 CONTAMINATED FLOOR SPACE

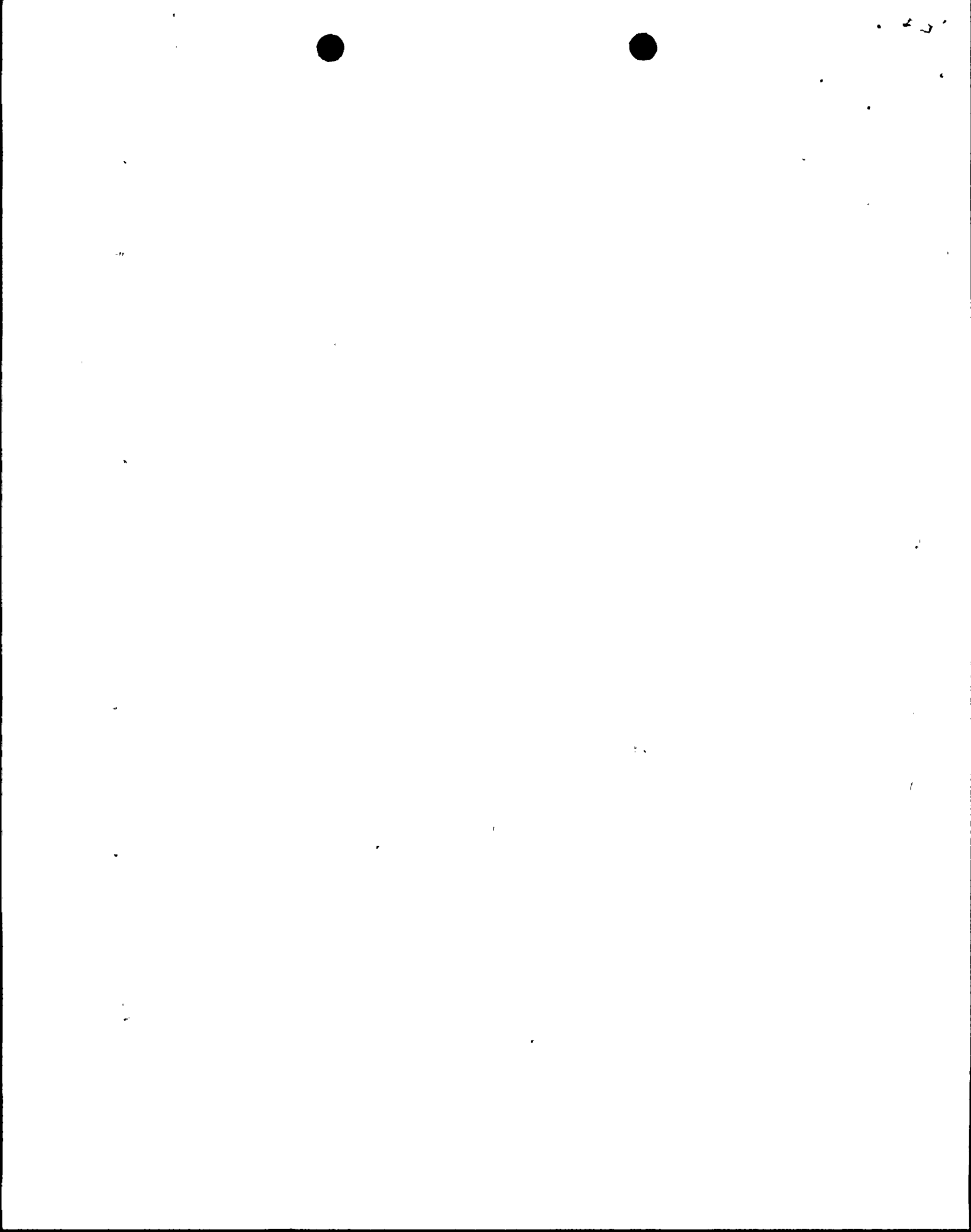


Data Manager: J. A. Ferguson
 Data Date: June 24, 1992
 Chart Name: SF176

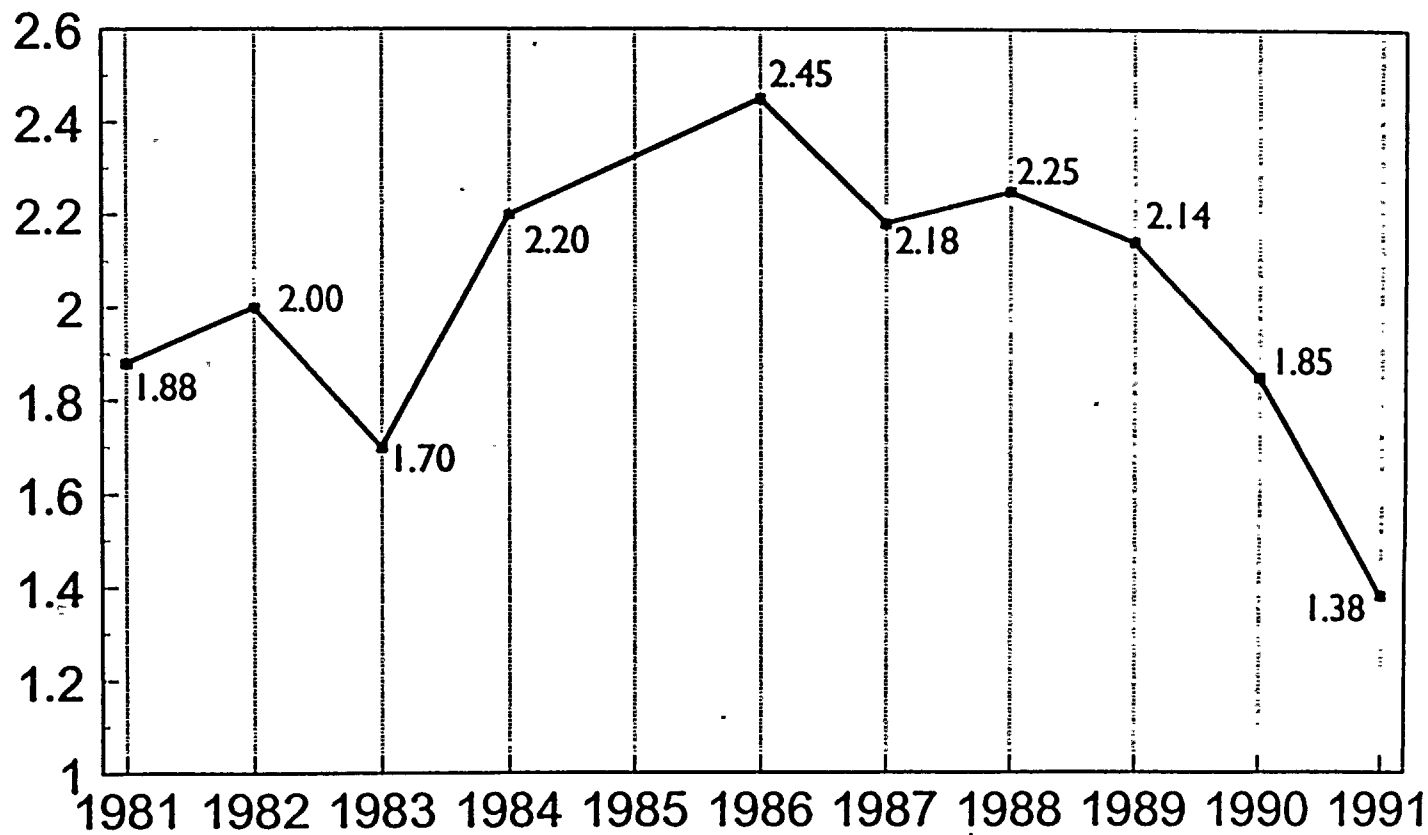
1992 PERSONNEL CONTAMINATIONS



Data Manager: R. M. Brown
 Data Date: June 24, 1992
 Chart Name: SC176

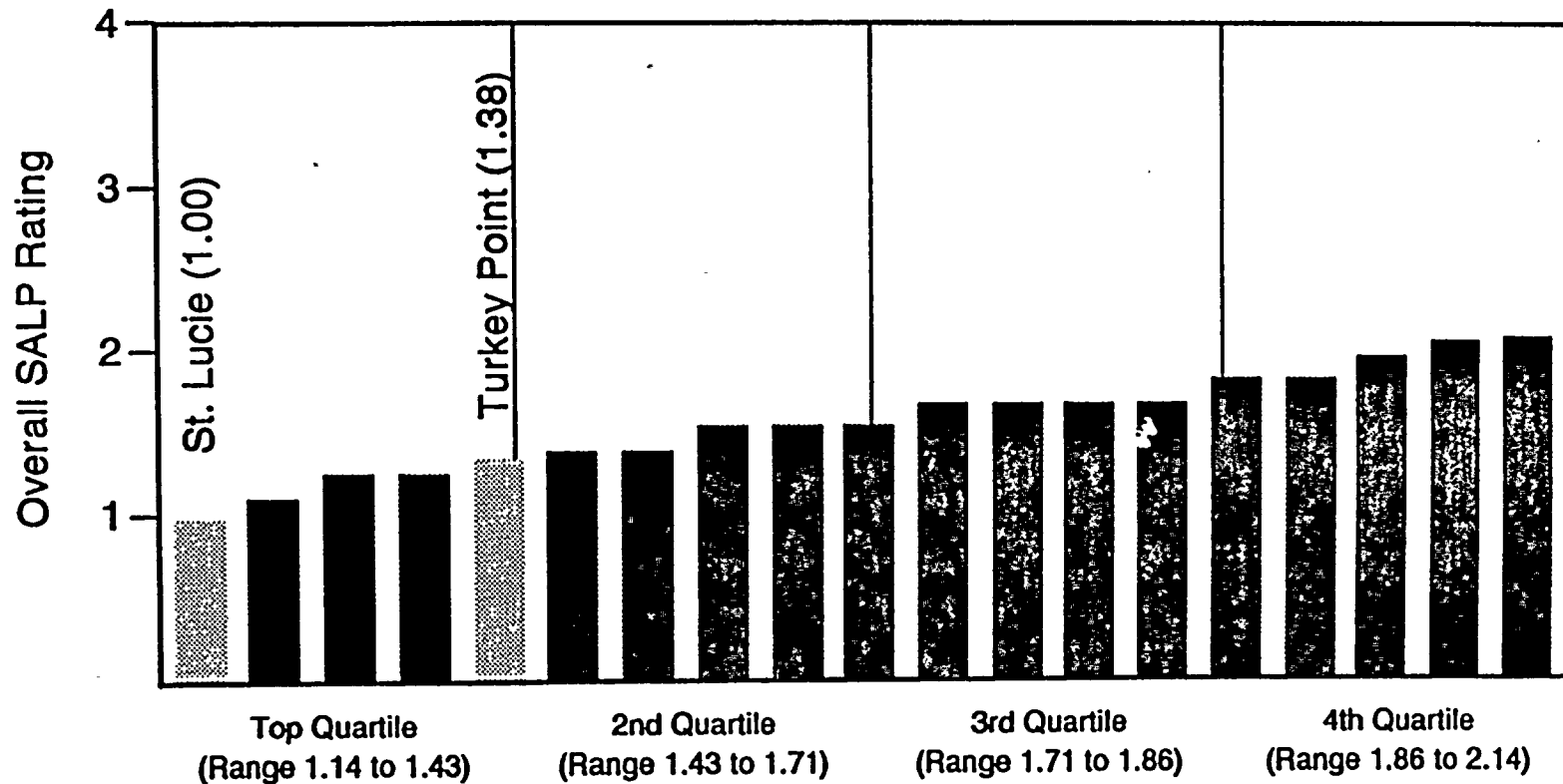


Turkey Point SALP Ratings (1981 to 1991)





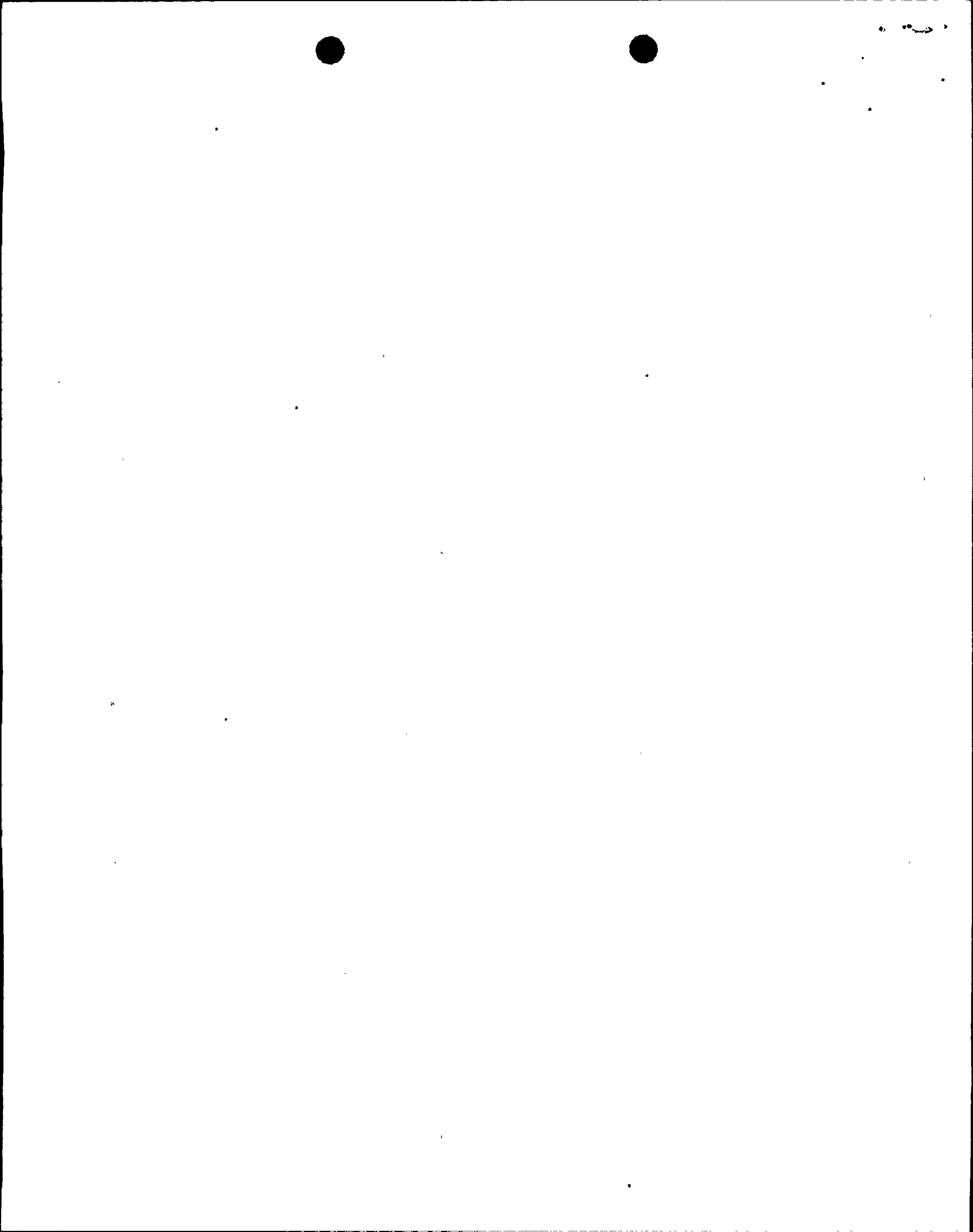
COMPARISON OF CURRENT SALP RATINGS BENCHMARK NUCLEAR PLANTS



Turkey Point Ranks 5th Best for Overall SALP Among the PWR 19 Plants We Benchmark to. St. Lucie Ranks 1st. The Average SALP Rating for Plants in This Group Is 1.61

1992 Strategic Plans

- Improved Work Controls
- Reduced Outage Duration
- Backlogs Reduction
- Consolidated Reporting System
- Material Condition Upgrade
- Facilities Maintenance
- Stores Inventory Control
- Thermal Efficiency Enhancement
- Plant/Construction Procedure Consolidation



CHANGES IN TURKEY POINT CULTURE

- **Prudent Conservative Operations**
- **Maintaining the Plant for the "Long Haul"**
- **Accountability for Actions**
- **Strong Corrective Action Program**
- **Open Book Relationship With NRC**
- **Formal Employee Concern Program**
- **Detailed Team Planning of Activities**
- **Proactive Ongoing Dialog With Press and Public**

TURKEY POINT TOMORROW

MAINTAINING THE LICENSE RENEWAL OPTION

- **Capture the Construction Period**
- **Completed Design Basis Reconstitution**
- **Reactor Vessel Toughness**
- **Developing an Economic Model**
- **Follow Closely Industry Initiatives**
- **Follow Closely Regulatory Initiatives**