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JAN 28 1991

MEMORANDUM FOR: Vandy L. Miller, Assistant Director for State
Agreements Program, State Programs, Office of
Governmental and Public Affairs

FROM: Richard L. Woodruff, State Agreements Officer

SUBJECT: NORTH CAROLINA MID-REVIEW VISIT

A mid review meeting was held with personnel responsible for the North Carolina Radiation Control program during the period January 8-10, 1991. The following persons were contacted during the meeting:

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| Edythe McKinney, | Assistant Secretary, Department of Environment,
Health, and Natural Resources |
| Dayne G. Brown | Chief, Radiation Protection Services, Environmental
Protection |
| Richard M. Fry | Deputy Chief, Radiation Protection Services |
| Cecil Brown | Health Physics Supervisor, Radiation Protection
Services (RPS) |
| Robin Haden | Health Physicist, RPS |
| Allen Mabry | Health Physicist, RPS |
| David Lee | Health Physicist, (LLW Coordinator) |
| Patrick Watters | Environmental Engineer, (LLW) |
| Roger Vinson | Environmental Radiation Specialist (LLW) |
| Felix Fong | Environmental Radiation Supervisor |

Leroy Pearson, Low Level Waste Branch, NMSS, assisted during the review-visit. The visit consisted of a follow-up on the status of NRC comments dated January 23, 1990, to the State following our 1989 program review; significant changes in the North Carolina program since the last review; discussions with program management and program staff; and the status of the low level waste project. These topics are detailed in the following paragraphs.

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Status of Comments To William W. Cobey dated January 23, 19901. Staffing Level

The State filled the vacant position which brings the staffing level up to the recommended level of 1.0 persons per 100 licenses for the materials program. However, due to staff turnovers in other sections, RPS still has two pending vacancies that affect the low-level waste project. These vacancies will be discussed later under the appropriate indicator.

2. Responses to Incidents and Alleged Incidents

The State provided information on an incident as requested by NRC and revised their incident tracking and reporting system in accordance with the NRC recommendations.

Significant Program Changes

The following program changes are provided as an update to the State Profile tabulation.

A. Status and Compatibility of Regulations

The State regulations are compatible with NRC regulations through the February 12, 1988, Part 20 amendment for NAVLAP certification of dosimetry processors. Regulations for Decommissioning and Emergency Plans have been drafted and submitted for approval. A copy of these regulations was received and will be reviewed by the RSAO.

B. Organization

The Radioactive Materials Program was reorganized under the Department of Environment, Health, and Natural Resources prior to the last review. Organizational charts for the program were updated and they are enclosed as Enclosure 1. The new organization allows for all LLW project personnel to function within the administrative framework of the Department.

C. Personnel

One new health physics inspector, Grant Mills, was added to the staff. The resume and educational background was reviewed and found to meet all of the requirements of the position.

D. Salaries

There have been no changes in the salary structure; however, all State personnel received a 5.0 percent salary increase effective July 1, 1990. The new salary ranges are as follows:

Radiation Protection Services	
Chief	\$41,992 - 68,740
Deputy Chief	36,549 - 59,729
Health Physics Supervisor	31,842 - 51,892
Health Physicist	27,812 - 45,103
Environmental Engineer I	29,037 - 47,249
Environmental Rad. Specialist	27,812 - 45,103

E. Budget

A revised budget for FY 91 (July 1, 1990 to June 30, 1991) was received and provided as follows:

State Appropriations	\$1,030,519
Fees	623,797
Federal Grants and Contracts	
NRC	46,846
EPA	128,251
Prior Year carry over	201,587
Total	\$2,031,000

Administration	\$170,275
Radioactive Materials	340,550
X-Ray	595,562
Environmental Surveillance	383,663
Emergency Planning	85,138
LLW Regulation	455,412
Total	\$2,031,000

The above budget represents an increase of \$90,379 due to an increase in the EPA radon grant.

F. Staffing Level

The State now has five full time technical personnel in the Radioactive Materials Program to regulate 553 licenses. This is equivalent to 1.0 persons per 100 licenses plus the technical supervisor. The Department has plans to transfer a Ph.D geologist into the Environmental Engineer II position to supervise the LLW project, and applications are currently being reviewed for the vacant Environmental Engineer I position. Department management was confident that the positions would be filled.

G. Licensing Procedures

Standard licensing procedures are being followed. The "major license" listing has not changed since the last review. The State appears to be current on their licensing workload.

H. Compliance

The status of the inspection program appears to be on target. The State has revised their inspection frequency schedule to be compatible with the latest (04-06-90) NRC inspection schedule.

I. Inspectors performance and Capability

An inspector accompaniment was conducted on January 9, 1991 with Mr. Allen Mabry, Health Physicist, at a temporary job site located on the campus of the University of North Carolina, Chapel Hill, North Carolina. The State licensed Industrial Radiography license was as follows:

Law Engineering, Inc.
Raleigh, NC
License Number 92-0082-6

The inspector was found to be fully prepared and qualified to perform the inspection in accordance with the job description and State procedures.

J. Response to Incidents and Alleged Incidents

The program has responded well to incidents since the last review and incident reports are being provided to NRC on a timely basis.

K. Low Level Waste Project

The status of the LLW project was reviewed and updated by Mr. Roy Pearson, NMSS. Mr. Pearson's report is being prepared under separate cover, and will be included in this report as Enclosure 2.

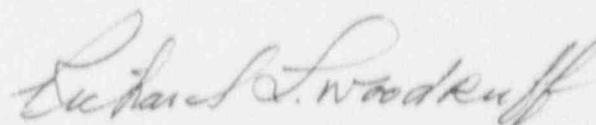
Management Discussions

An informal discussion was held with Ms. McKinney and Mr. Brown on January 10, 1991. The discussions centered around the Agreement State Program, the LLW project, and the need to fill the vacant positions in support of the LLW project. Ms. McKinney expressed very strong support for the Radiation Control Program and the LLW project. A discussion was also held regarding technical assistance that NRC could make available to the State for the LLW project. Ms. McKinney was informed that this topic would be discussed with NRC management, and that current policy limits our technical assistance to specific problems and on a case-by-case basis.

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Conclusion

Based upon this visit and the previous review, it is recommended that the next full review be conducted in November of 1991. Mr. Brown also related that he preferred to have the review before the beginning of the new year and the new legislative session.



Richard L. Woodruff
Regional State Agreements Officer

Enclosures:

1. Organization Chart
2. Low Level Waste Project

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Administrator NRC, Region II

bcc w/encs:

R. E. Trojanowski, Region II
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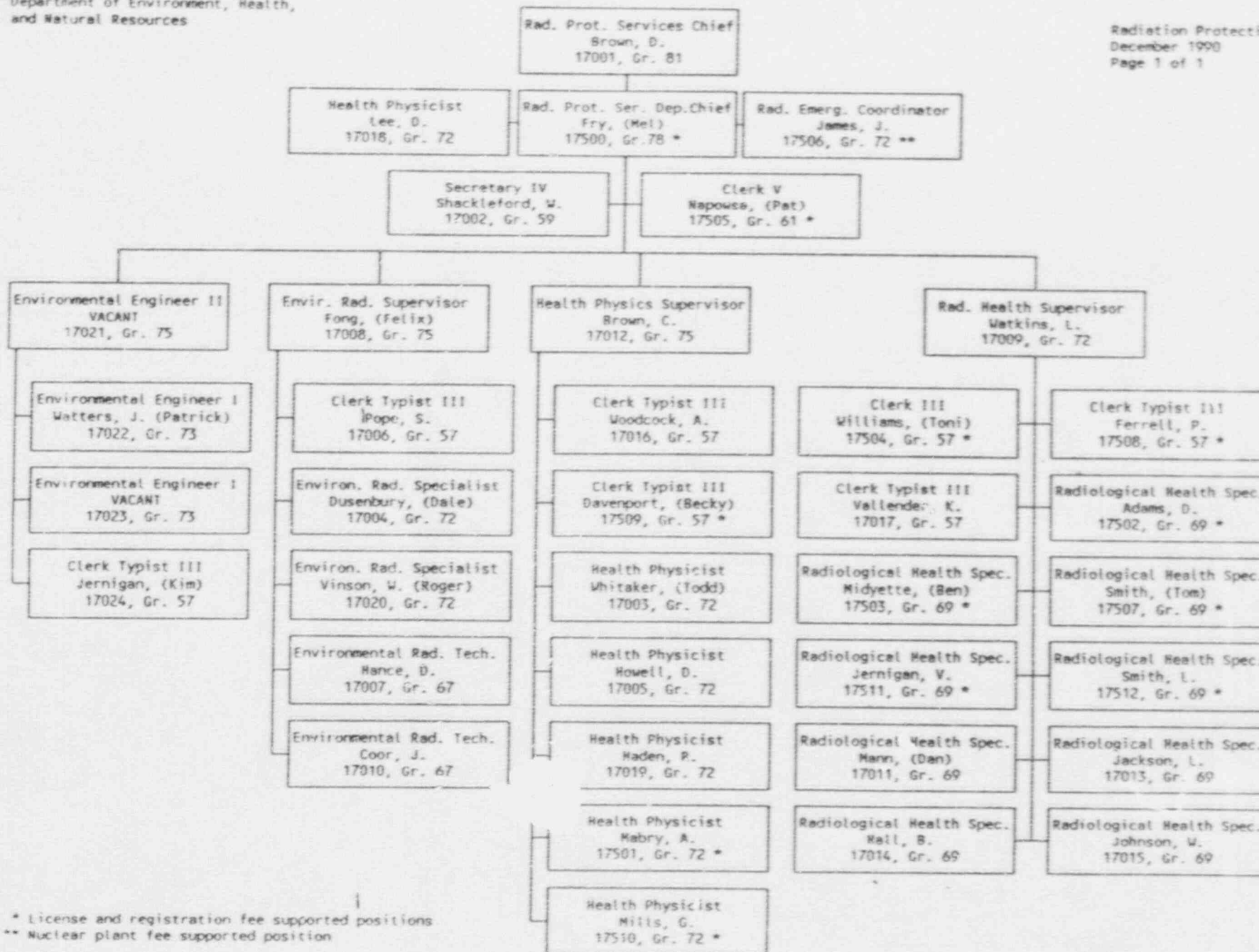
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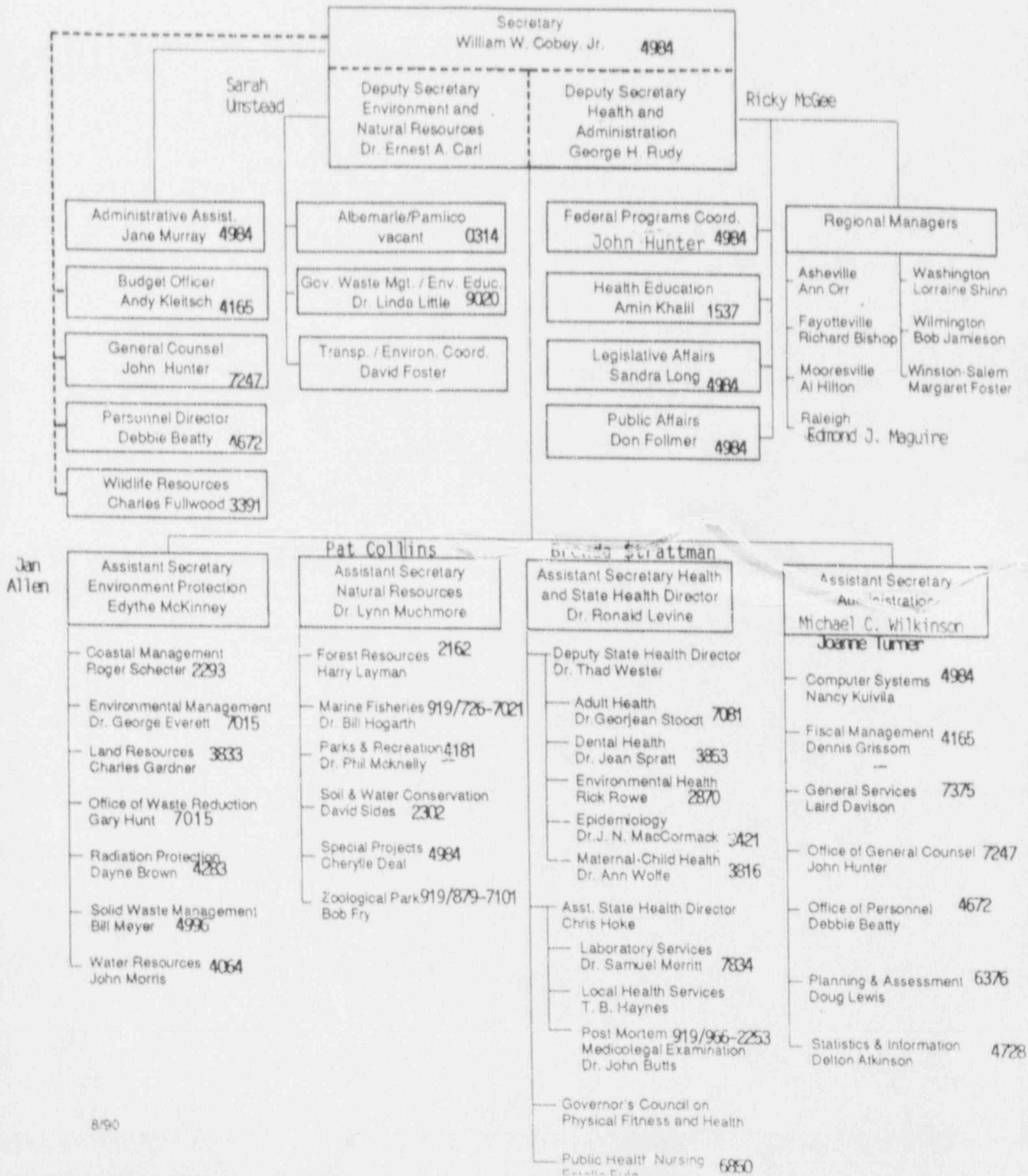
ENCLOSURE 1

ORGANIZATION CHART



Department of Environment, Health, & Natural Resources

Organizational Chart



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ENCLOSURE 2

LOW LEVEL WASTE PROJECT