

Attachment A
to W3P82-2023

Updated Pages to Special Nuclear
Material License Application

so that when the Special Nuclear Materials License for Waterford 3 is issued, an indemnity agreement can be issued simultaneously.

2.0 Health and Safety

2.1 Radiation Control

2.1.1 The persons responsible for radiation safety at Waterford 3 are Ralph W. Kenning, Health Physics Engineer; David M. Hall, Health Physics Administrative Supervisor; and Donald H. Espenan, Health Physics Associate Engineer I. The training and experience of these persons is shown in Tables 2-1 through 2-3.

2.1.2 Each sealed source containing radioactive material in excess of either 100 microcuries of beta and/or gamma emitting material or 5 microcuries of alpha emitting material shall be tested for leakage and/or contamination. The tests shall be performed using a gas flow proportional counter or a G-M counter with scaler by either LP&L personnel or by other persons specifically authorized by the Nuclear Regulatory Commission or an Agreement State. The test method shall have a detection sensitivity of at least 0.005 microcuries per test sample. Each sealed source with removable contamination in excess of the above limit shall be immediately withdrawn from use and either decontaminated and repaired or disposed of in accordance with Nuclear Regulatory Commission regulations. See Waterford 3 Technical Specification 4.7.10.1.2 for test frequencies and the applicable exemptions due to storage.

2.1.3 The calibration of most ranges of the gamma and beta-gamma detection instruments is performed inside a shielded calibrator. Neutron sources are used to check neutron monitoring equipment. Additional smaller alpha, beta, and gamma sources may be used as needed to calibrate or check the lower ranges of the various instruments. The instruments are calibrated semiannually, and the sources used for calibration are traceable to the National Bureau of Standards or other standards laboratories. At least daily prior to use, the

TABLE 1-1

The names of LP&L's principal officers, all of whom are citizens of the United States, are as follows

Jack M. Wyatt	President and Chief Executive Officer
Gerald M. McLendon	Senior Vice President - Operations
D. L. Aswell	Vice President - Power Production-Fossil
L. V. Maurin	Vice President - Nuclear Operations
Kenneth M. Brumfield	Vice President - Administration
J. J. Saacks	Chief Engineer
G. F. Delery	Vice President - Consumer Services
John H. Erwin, Jr.	Vice President and Treasurer
William H. Talbot	Secretary and Controller
Joseph M. Mooney	Vice President - Governmental and Public Affairs
D. E. Knowles	Vice President - Division Operations
C. E. Vaughan	Vice President - Division Manager

The address of all of the foregoing principal officers of LP&L is:

P. O. Box 6008

New Orleans, Louisiana 70174

TABLE 2-1

Training and Experience

Ralph W. Kenning

<u>Training/Education</u>	<u>Location</u>	<u>Duration</u>
B.S. Physics & Astronomy	Louisiana State University Baton Rouge, Louisiana	4 years
M.S. Physics & Astronomy	Same as above	2 years
M.S. Health Physics	Georgia Institute of Technology Atlanta, Georgia	1 year
Emergency Planning	NRC Austin, Texas	1 week
Health Physics Training	Louisiana State University, Baton Rouge, Louisiana	1 week
Environmental Radiation Surveillance	Harvard School of Public Health Boston, Massachusetts	1 week
Radiological Emergency Response Planning	FEMA Mecairie, Louisiana	1 week
Health Physics in Radiation Accidents	REAC/TS Oak Ridge, Tennessee	1 week
<u>Experience</u>	<u>Location</u>	<u>Duration</u>
Review of shielding calculations	LPSL Nuclear Project Group New Orleans, Louisiana	6 Months
Health Physicist	Arkansas Nuclear One Russellville, Arkansas	22 Months
	St. Lucie Nuclear Plant, Ft. Pierce, Florida	2 Months
Health Physics Engineer	Waterford SES Unit No. 3 Taft, Louisiana	4 years

Table 2-2

Training and Experience

David M. Hall

<u>Training/Education</u>	<u>Location</u>	<u>Duration</u>
B.S. Environmental Health- Health Physics	Purdue University W. Lafayette, Indiana	4 years
M. S. Nuclear Engineering Sciences	University of Florida Gainesville, Florida	1 year
Hewlett Packard 1000 Session Monitor Course	Hewlett Packard Dallas, Texas	2 weeks

<u>Experience</u>	<u>Location</u>	<u>Duration</u>
Health Physics Technician - Contractor	Oyster Creek Nuclear Station Forked River, New Jersey Calvert Cliffs Nuclear Plant Lusby, Maryland Brunswick Nuclear Plant Southport, North Carolina St. Lucie Nuclear Plant Ft. Pierce, Florida Yankee Rowe Nuclear Plant Rowe, Maine North Anna Nuclear Plant Louisa, Virginia Three Mile Island Nuclear Plant Harrisburg, Pennsylvania	3 years

Table 2-2

(continued)

<u>Experience</u>	<u>Location</u>	<u>Duration</u>
Radiological Engineer - Contractor	Three Mile Island Nuclear Plant Harrisburg, Pennsylvania St. Lucie Nuclear Plant Ft. Pierce, Florida	1 year
Health Physics Associate Engineer	Waterford SES Unit No. 3 Taft, Louisiana	6 months
Health Physics Administrative Supervisor	Waterford SES Unit No. 3 Taft, Louisiana	6 months

Table 2-3

Training and Experience

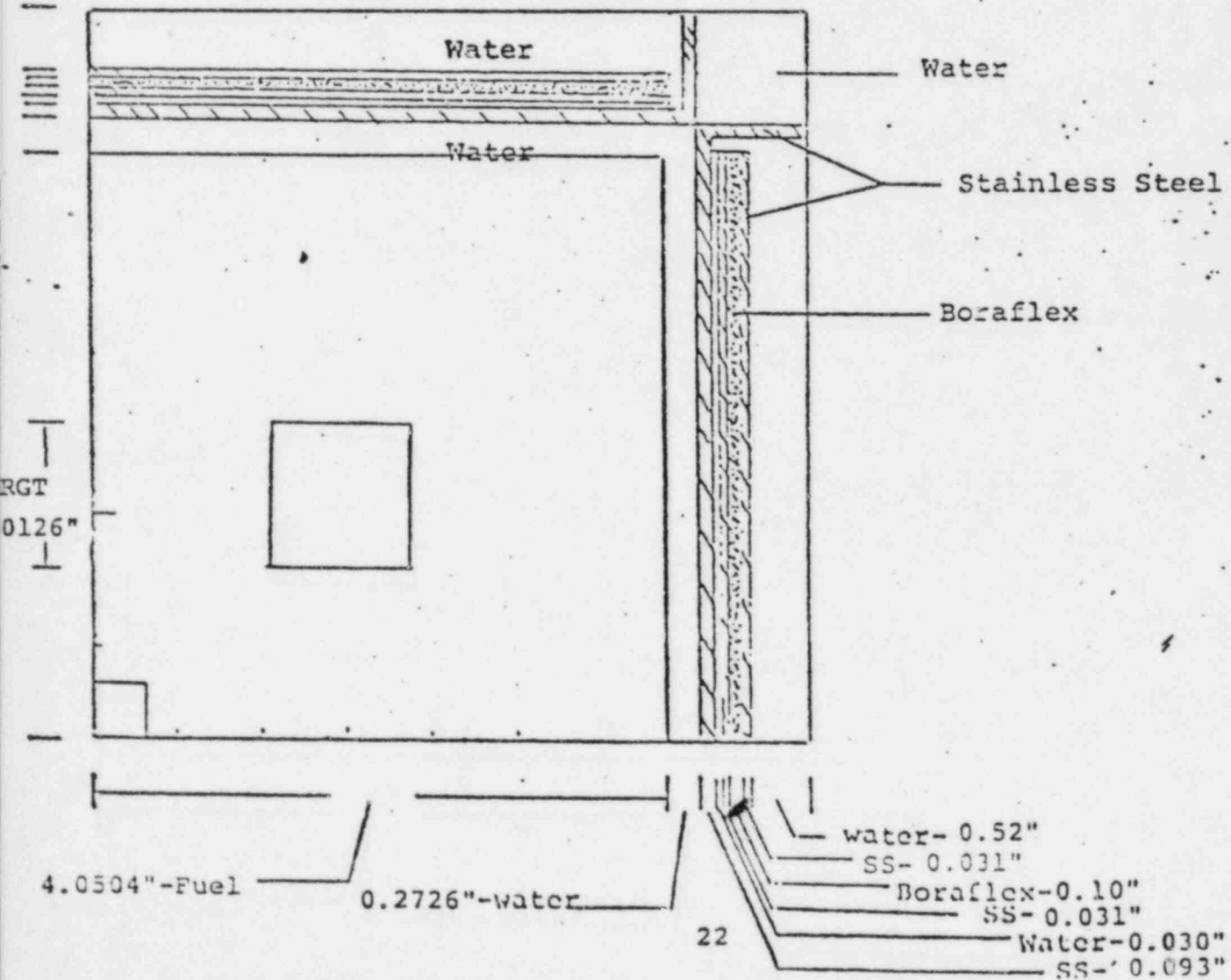
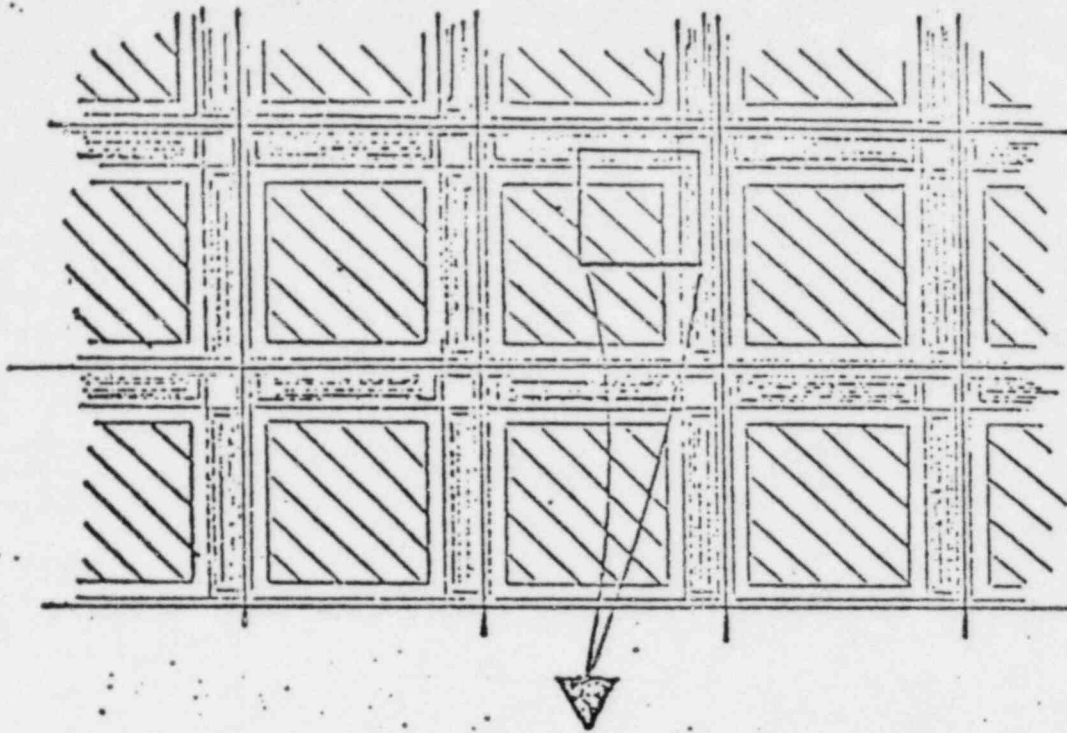
Donald H. Espenan

<u>Training/Education</u>	<u>Location</u>	<u>Duration</u>
M.S. Nuclear Engineering Sciences - Health Physics	University of Florida Gainesville, Florida	6 years
<u>Experience</u>	<u>Location</u>	<u>Duration</u>
Associate Engineer Health Physicist	LP&L, Waterford 3 Killona, Louisiana	2.2 years
Health Physicist	Arkansas Nuclear One Russellville, Arkansas	3 weeks
Project Manager Graduate Assistant on the Crystal River Project (Environ- mental Surveillance of Crystal River Unit 3)	University of Florida, Gainsville, Florida	1 year
Radiochemist on the Crystal River Project	University of Florida Gainsville, Florida	1 year
Assistant X-Ray Technician	Drs Huston, Ray, Faust, Evin, New Orleans, Louisiana	9 months

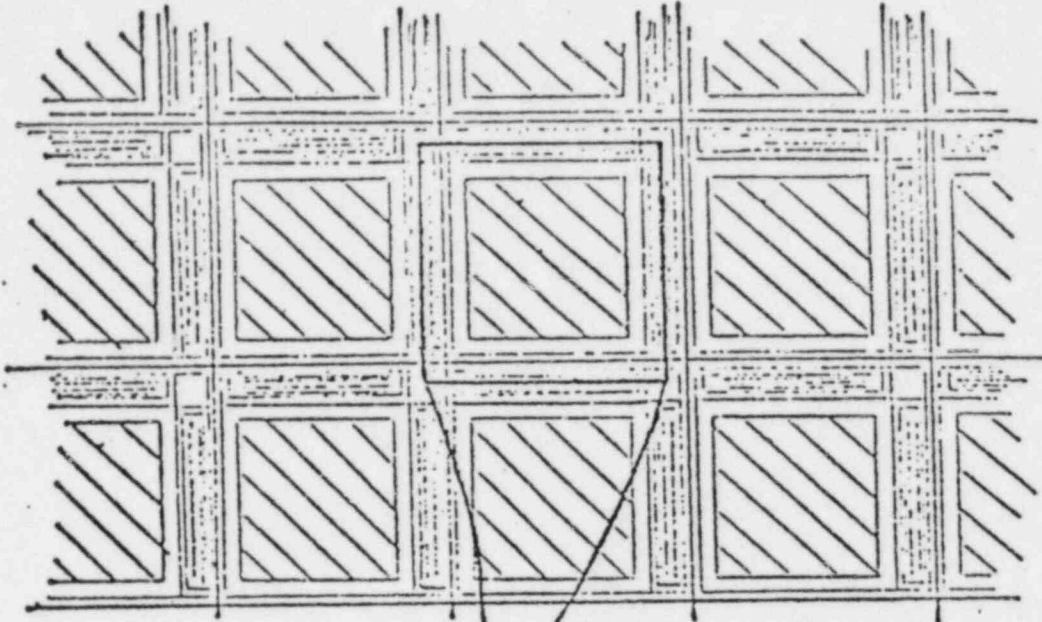
Attachment B
to W3P82-2023

Re-transmittal of Figures
from Criticality Analysis

PDQ CALCULATIONAL MODEL
 FOR THE
 WATERFORD NUCLEAR PLANT
 SPENT FUEL STORAGE RACKS



PDQ EXPANDED FUEL CENTERED
CALCULATIONAL MODEL
WATERFORD NUCLEAR PLANT
SPENT FUEL STORAGE RACKS



Dimensions same as for Figure 3.1-1
extra stainless steel box wall
represented on two sides as designed.

