

Washington Public Power Supply System

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January 26, 1983
G03-83-71

Docket No. 50-508

Director of Nuclear Reactor Regulation
Attention: George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

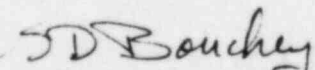
Subject: SUPPLY SYSTEM NUCLEAR PROJECT NO. 3
ENVIRONMENTAL REPORT - OPERATING LICENSE STAGE
RESPONSE TO NRC REQUEST FOR INFORMATION

Reference: Letter, GW Knighton (NRC), to RL Ferguson
(Supply System), dated December 6, 1982

A request for information resulting from the Siting Analysis Branch review of the WNP-3 ER-OL was transmitted under the referenced letter. Please find the Supply System's response attached.

If you require additional information or clarification, please contact KW Cook, Licensing Project Manager at WNP-3 (206/482-4428 Ext: 5436).

Very truly yours,


G. D. Bouchey, Manager
Nuclear Safety & Regulatory Programs

JPC/sm

Attachment

cc: WG Albert NRC
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ATTACHMENT

RESPONSES TO NRC QUESTIONS OF DECEMBER 6, 1982 (Re: WNP-3 ER-OL)

310.01 Q. The operating staff for WNP-3 is estimated to be 485 employees (p. 8.1-1). Does this figure include security forces and other employees of contractors who would be regularly employed at the WNP-3 site? If not, the Applicant should provide data on such employment.

A. Current budgets show an estimate of 514 persons in the operating staff. This staff is composed of 470 Supply System employees (including security force) and 44 contractor employees.

310.02 Q. The Applicant cites a study of Camp Gruber which is in Oklahoma as the basis for a 1.5 employee multiplier (p. 8.1-1). What is the rationale for using the conclusion of a study which refers to another (and possibly nonanalogous) regional economy?

A. Camp Gruber is in a rural area about 50 miles from a major population center (Tulsa); WNP-3 is in rural Grays Harbor County approximately 50 miles from the Seattle-Tacoma population center. The multiplier is consistent with a recent assessment specific to the Satsop area which estimated an average multiplier of 1.46 during construction of WNP-5 (Impacts of Construction, Rate Changes, and Deficits - Independent Review of Washington Public Power Supply System WNP-4 and WNP-5, Final Report Module V, Northwest Economic Associates, Vancouver, Washington, January 27, 1982, p. 83).

Recent studies on the subject (Socioeconomic Impact of Power Plants, EPRI Rept. No. EA-2228, by Denver Research Institute for Electric Power Research Institute, Palo Alto, California, February 1982; Socioeconomic Impacts of Nuclear Generating Stations, NUREG/CR-2750, by Mountain West Research Inc. with Social Impact Research Inc. for U.S. Nuclear Regulatory Agency, Washington, D.C., July, 1982) have found multiplier effects ranging from 0.23 to 0.8. The range appears to reflect the rural versus urban location and the definition and/or size of the impact area.

The WNP-3 impact area during construction has included Grays Harbor, Thurston, Mason, Lewis, Pacific and Pierce Counties. Most of the workers have lived in Grays Harbor and Thurston Counties. The non-manual workers have tended to reside in Thurston County. We expect the operation staff to locate in Thurston and Grays Harbor Counties. Thurston County is becoming a trade center and we expect our operation workforce to spend a large part of their income within Thurston and Grays Harbor Counties.

310.03 Q. Explain the basis for assuming "an estimated future 5% tax rate" (p. 8.1-1).

A. The estimated future 5% tax rate is based on current Washington State sales tax of 4.5% plus a local option sales tax of up to 0.7%. Because we cannot forecast how much of the local option would be levied by cities and counties throughout the life of WNP-3, it was assumed the levy would average 0.5%.

310.04 Q. Will WNP-3 make any local real estate tax or in-lieu of tax payments to local governments? If yes, indicate jurisdictions and/or taxing bodies to whom taxes would be paid and an estimate of the amounts to be paid in current dollars.

A. In addition to the privilege taxes paid on the public-owned portion of WNP-3 (discussed in Subsection 8.1.1), property taxes will be paid by the investor-owned utilities that own thirty percent of the plant. The taxes collected to date by jurisdiction are shown on the attached Table Q310.04a. The estimated future taxes are shown on Table Q310.04b.

310.05 Q. The applicant should provide a table showing the mid-year numbers of operating phase workers at the site. These data should reflect utility employees and contractor personnel (e.g., security guards) who would normally be found on the site, but should exclude intermittent or occasional employees, such as those employed in fuel loading. The Applicant should provide these data for a period beginning in 1982 and ending when the complement of operating staff is on site.

A. The expected staffing levels for operating staff are as follows:

<u>Date</u>	<u>Supply System</u>	<u>Contractor</u>	<u>Total</u>
12/82	224	60	284
12/83	319	80	399
12/84	419	82	501
12/85	462	64	526
12/86	470	44	514

TABLE Q310.04a

WNP-3/5-RELATED PROPERTY TAX REVENUES
COLLECTIBLE THROUGH 1981, BY TAXING DISTRICTS

Taxing District	1977 ^(a)	1978	1979	1980	1981	1982 ^(c)	Cumulative
School District 5 (Aberdeen)	-0-	1,622.98	5,593.48	3,372.19	8,319.85	6,842.99	25,751.49
School District 68 (Elma) ^(b)	303.37	447.58	29,700.05	35,459.71	70,337.51	155,108.17	291,356.39
School District 28 (Hoquiam)	-0-	-0-	-0-	-0-	1,036.92	8.78	1,045.70
School District 66 (Montesano)	-0-	-0-	-0-	19.84	8.68	66.04	94.56
School District 104 (Satsop) ^(b)	1.96	2.77	78.25	13.75	8.30	9.75	114.78
City of Aberdeen	-0-	1,336.74	3,845.03	8,838.25	13,055.30	8,986.09	36,061.41
City of Elma	-0-	172.30	168.62	151.08	3.48	3.48	498.82
City of Hoquiam	-0-	-0-	-0-	-0-	1,193.34	10.56	1,203.90
City of Montesano	-0-	-0-	-0-	14.17	8.31	62.85	85.33
State ^(b)	254.79	1,396.58	33,096.52	72,654.81	199,478.29	417,386.30	724,267.29
County ^(b)	130.53	696.45	13,323.66	27,154.35	79,172.18	168,472.83	288,950.00
Port of Grays Harbor ^(b)	-0-	-0-	5,669.64	-0-	35,341.11	75,211.98	116,222.73
Library Timberland Regional ^(b)	30.12	14.88	2,815.14	6,449.99	21,262.74	46,358.04	76,930.91
Roads ^(b)	136.80	62.62	12,699.38	28,731.78	88,728.66	203,948.32	334,307.56
Fire District #5 ^(b)	42.68	20.77	3,378.16	8,274.57	15,529.84	37,167.63	64,413.65
Total	900.45	5,773.67	110,367.93	191,134.49	533,484.37	1,119,643.81	1,961,304.52

(a) Tax or collection year, based on previous year's assessment.

(b) Taxing entities whose jurisdictional boundaries wholly or partially encompass WNP-3/5 site property; other districts are those currently receiving property tax revenue due to the location of temporary project-related laydown areas within their jurisdictional boundaries.

(c) Expected bills based on 1981 assessment times levy rates.

TABLE Q310.04b

TOTAL PROPERTY TAX PAYMENT PROJECTIONS

<u>Construction Year</u>	<u>Assessment Year</u>	<u>Year Tax Collected</u>	<u>Annual Tax (a)</u>	<u>Cumulative Tax</u>
1981	1982	1983	\$1,859,338	\$ 3,820,642
1982	1983	1984	3,205,618	7,026,259
1983	1984	1985	4,328,450	11,354,708
1984	1985	1986	5,001,736	16,356,444
1985	1986	1987	5,502,586	21,859,028
1986 ^(b)	1987	1988	5,713,520	27,572,548
1987	1988	1989	5,755,285	33,327,832

(a)Equalized private value times tax rate.

(b)Commercial operation is scheduled for December 1986.