



U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

This letter documents that the enclosed material was provided to the NRC during the September 12-13, 1994 environmental information audit and subsequent request by teleconference. A list of the enclosed documents is also provided for your convenience. This action was discussed with Mr. S. Flanders, NRC's Environmental Project Manager for WBN at the audit. If you should have any questions concerning this matter, please telephone John Vorees at (615)-365-8819.

Diehl E. L.

Enclosure
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U.S. Nuclear Regulatory Commission
Page 2

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ENCLOSURE

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2
ENVIRONMENTAL INFORMATION
REFERENCE DOCUMENTS

The following documents were provided to the NRC reviewers in the September 12-13, 1994 environmental information audit and are enclosed in this letter.

Ahlbom, A; Albert, E.N.; Fraser-Smith, A.C.; Grodzinsky, A.J.; Marron, M.T.; Martin, A.O.; Persinger, M.A.; Shelanski, M.L.; and Wolpow, E.R, "Biological Effects of Power Line Fields," New York State Power Lines Project Scientific Advisory Panel Final Report, July 1, 1987.

Ahlstedt, S., "1990 Preoperational Monitoring of the Mussel Fauna in Upper Chickamauga Reservoir in the Vicinity of the Watts Bar Nuclear Plant," Tennessee Valley Authority Water Resources Aquatic Biology Department, March 1991.

Barnes, F.; Wachtel, H.; Savitz, D.; and Fuller, J., "Use of Wiring Configuration and Wiring Codes for Estimating Externally Generated Electric and Magnetic Fields," Bioelectromagnetics 10:13-21, 1989.

Brodeur, Paul, "Annals of Radiation: Calamity of Meadow Street," The New Yorker, pages 38-72, July 9, 1990.

Calabrese, F.A., "Excavations at 40RH6, Watts Bar Area, Rhea County, Tennessee," Tennessee Valley Authority, TV-37351A, 1976.

Coleman, M.P.; Bill, C.M.J.; Taylor, H.L.; and Primic-Zakelj, M., "Leukemia and Residence Near Electricity Transmission Equipment: A Case-Control Study," Unknown publication.

Comprehensive Market Analysis: Active Listings, Tuesday September 13, 1994, "Multiple Listing Service Data for Rhea County," provided to PNL Best Realty, Dayton, Tennessee.

Comprehensive Market Analysis: Sold Listings, Tuesday September 13, 1994, "Multiple Listing Service Data for Rhea County," provided to PNL Best Realty, Dayton, Tennessee.

Comprehensive Market Analysis: Active and Sold Listings, Monday November 22, 1993 "Multiple Listing Service Data for Rhea County," provided to PNL Best Realty, Dayton, Tennessee.

"Discharge Temperature Limit Evaluation for Watts Bar Nuclear Plant," Report No. WR28-1-85-137, Tennessee Valley Authority Resource Group, Engineering Services Hydraulic Engineering, December 1993.

ENCLOSURE

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2
ENVIRONMENTAL INFORMATION
REFERENCE DOCUMENTS

"Environmental Assessment - Control of Attached Biofouling Mollusks (Zebra Mussels and Related Species) at Facilities Operated by USACE-Nashville District and Tennessee Valley Authority," US Army Corps of Engineers, Nashville District, December 1992.

EPA - "Ambient Water Quality Criteria for Zinc - 1987," EPA Report PB87-153581 U.S. Department of Commerce National Technical Information Service.

Feychting, Maria and Ahlbom, Anders, "Magnetic Fields and Cancer in People Residing Near Swedish High Voltage Power Lines," Stockholm, 1992.

Hevel, Kerry W. and Hickman, Gary D., "Population Survey of Sauger In Chickamauga Reservoir 1990-1991," River Basin Operations Water Resources, August 1991.

Joint Percentage Frequencies of Wind Speed by Wind Direction for Stability Class A-G, Watts Bar Nuclear Plant, dated September 16, 1994.

Letter from L.A. Barclay (U.S. Fish and Wildlife Service) to B.S. Schofield dated September 6, 1994, transmitting comments on the draft biological assessment for Watts Bar Nuclear Plant (RE: FWS #94-2625).

Letter from P.S. Tam (NRC) to O.D. Kingsley (TVA)- Watts Bar Nuclear Plant Acceptance of Revision 3 of the Offsite Dose Calculation Manual (TAC M77553) dated July 26, 1994.

Letter from W.J. Museler (TVA) to U.S. Nuclear Regulatory Commission dated April 26, 1994, Watts Bar Nuclear Plant Units 1 and 2 - Annual Radiological Environmental Monitoring Report - 1993.

Letter from Wilson, Jeff, BI Betz Industrial to Mr. Richard J. Magni, Jr., Ohio Environmental Protection Agency, dated March 5, 1990.

Letter from Hobart, Larry to American Public Power Association, Electric and Magnetic Fields, dated February 18, 1988.

Letter from L.M. Mills (TVA) to D.E. Sells (NRC) dated April 22, 1980, providing four reports and comments on the proposed Environmental Technical Specifications for Watts Bar Nuclear Plant.

Material Safety Data Sheet (MSDS) for Coppertrol (Cu-1), Betz Laboratories, Inc., 1992.

Material Safety Data Sheet (MSDS) for Clam-Trol (CT-1), Betz Laboratories, Inc., 1992.

ENCLOSURE

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Muncy, J.A.; "A Guide for Environmental Protection and Best Management Practices for Tennessee Valley Authority Transmission Construction and Maintenance Activities," Tennessee Valley Authority Customer Group, 1992.

Olsen, J.H.; Nielsen, A.; Schulgen, G.; Bautz, A.; and Larsen, V.B., "Residence Near High-Voltage Facilities and the Risk of Cancer in Children," Copenhagen, October 1992.

Sagan, L.A., "Studies of the Association Between Exposure to Electric and Magnetic Fields and Human Cancer: A Review and Analysis," IEEE Power Engineering Review, pages 10-14, October 1988.

Savitz, D.A.; Wachtel, H.; Barnes, F.A.; John, E.M.; and Tvrdik J.G., "Case-Control Study of Childhood Cancer and Exposure to 60-HZ Magnetic Fields," American Journal of Epidemiology, Vol 128, No.1, pages 21-38, 1988.

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Savitz, D.A., "Magnetic Field Exposure From Electric Appliances and Childhood Cancer," American Journal of Epidemiology, Vol. 131, No. 5, pages 763-773, 1990.

Severson, R.K.; Stevens, R.G.; Kaune, W.T.; Thomas, D.B.; Heuser, L.; Davis, S.; and Sever, L.E., "Acute Nonlymphocytic Leukemia and Residential Exposure to Power Frequency Magnetic Fields," American Journal of Epidemiology, Vol 128, No. 1, pages 10-20, 1988.

Schroedl, G. F. and Wright, M., "Excavations of the Leuty and McDonald Site Mounds in the Watts Bar Plant Area," Tennessee Valley Authority, Publications in Anthropology No. 15, February 1978.

Maps (4) of the Watts Bar Nuclear Prefire Plans detailing the location of the site holding ponds in relation to site structures including 2 TVA drawings: 10E201-01 and -02.

Summary Sheet (Appendix E) - Environmental Statement - Volunteer, Tennessee, 500k-V Substation and Transmission Line Connections.

TVA Watts Bar Nuclear Plant Chemistry Manual, Chapter 4.01, Revision 3, "Visual Inspections and Corrosion Monitoring," Unit 0, September 9, 1994.

TVA Watts Bar Nuclear Plant Chemistry Manual, Chapter 4.02, Revision 5, "Startup and Normal Operation of the Pyrophosphate, Zinc, and Coplymer Equipment," Unit 0, September 9, 1994.

ENCLOSURE

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ENVIRONMENTAL INFORMATION
REFERENCE DOCUMENTS

TVA Watts Bar Nuclear Plant Chemistry Manual, Chapter 4.03, Revision 2, "Copper-Trol Injection for Reduction of Copper Corrosion Rates," Unit 0, September 23, 1994.

TVA Watts Bar Nuclear Plant Chemistry Manual, Chapter 4.04, Revision 4, "BCDMH Injection for Control of Clams, Slime, and Mic," Unit 0, September 9, 1994.

TVA Watts Bar Nuclear Plant Chemistry Manual, Chapter 4.05, Revision 2, "Non-Oxidizing Biocide Injection for Control of Asiatic Clams, Zebra Mussels, and Mic," Unit 0, May 29, 1994.

TVA Standard 13.3, Rev. 0, Environmental Compliance, excerpts, Section 6, List of Statutory Requirements.

WBN Environmental Permit Status Table (Source, Permit Number, Renewal Date, Expiration Date).

WBN 10 Mile EPZ Quadrants - Evacuation Sectors - Topographic Map, REP Revision 1, October 1992.

Wertheimer, N. and Leeper, E., "Possible Effects of Electric Blankets and Heated Waterbeds on Fetal Development," Bioelectromagnetics 7:13-22, 1986.

SOCIOECONOMICS

"Home Sales in Rhea County up over Last Year's Sales", Article, P.5B, The Herald News (Dayton, Tennessee) September 11, 1994.

"Status of Unit 2 - Watts Bar Nuclear Plant" paragraph provided by George Deveny, TVA, September 13, 1994.