

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

PLANT ADMINISTRATIVE INSTRUCTION

PAI-4.01

OFFSITE DOSE CALCULATION MANUAL (ODCM)

Revision 4

Unit 0

QUALITY RELATED

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SPONSORING ORGANIZATION: Chemistry

APPROVED BY: *[Signature]* DATE: 5/10/98

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5/19/95 (Distribution Date)

LEVEL OF USE: INFORMATION

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REVISION LOG
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REVISION OR CHANGE NUMBER	EFFECTIVE DATE	AFFECTED PAGES	DESCRIPTION OF REVISION OR CHANGE
Rev 4	5/19/95*	All	See Appendix C of Attachment 1 for summary of ODCM changes. Reference to WBN TS 5.7.8.2 was deleted. Source notes 4 through 9 were added.
CN-1	8/28/95*	2, 52, 59, 126	Changes reflect a revision to 10 CFR Part 20: the definition of a member of the public is revised, and references to the Controlled Area are changed to reference the Controlled and Restricted Areas.
CN-2	10/30/95*	2, 19, 20, 31, 32, 76, 113, 195, 196, 196a	Added a separate monitor tolerance factor for background to the setpoint equations. Changed the variable name in Equation 7.1 from B to BKG for consistency. Added consideration of grab sampling results for containment sampling when monitors are inoperable. Clarified requirement for tritium sampling when the refuel canal is flooded to indicate that spent fuel must be present. Changed the requirement for containment purge/vent sampling to allow sampling of only the compartment(s) to be purged/vented. Deleted the requirement for channel checks for iodine/particulate samplers from Table 2.1-2 (and the corresponding footnote).
CN-3	1/26/96	2,12,17	Added applicability notation (4) to Table 1.1-1, 1.c and 3.c. Removed radiation monitor unique identifier and added applicability notation (5) to Table 1.1-2, 2.b, 3.b, and 4.b.
CN-4	4/16/96	2,17,19,32,74, 75	Instrument ID for Auxiliary Building effluent flow revised in Tables 1.1-2 and 2.1-2. Note 10 in Table 2.2-2 revised to allow use of grab samples in lieu of lower containment monitor readings. Batch liquid monitor setpoint table and Section 6.2.2 revised to delete use of 2XBKGD setpoint during periods of no release.
CN-5	8/1/96	2,7,17,18,76	Added operability requirements for Auxiliary and Shield Building Exhaust isokinetic sampling equipment as corrective action to WBPER060319. Changed allowable monitor tolerance values. Combined operability requirements for iodine/particulate samplers and sampler flow rate measurement devices.
CN-6	11/2/96	2,12,14,195	Replaced FI-14-456 with FI-14-456A and B to reflect DCN 38871-A. Since the new instrument is not a rotometer, the reference on page 195 is deleted.

* Distribution date only; implementation at issuance of operating license.