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<u>M E M O R A N D U M</u>

DATE:	December 22, 2000
TO:	Mal Murphy [malmurphy@home.com]
CC:	Danielle Fife [dfife@nrff.com]
RE:	SATURATED ZONE FLOW & TRANSPORT AMR Reviews
	Abstraction of BDCF Distribution for Irrigation Periods ANL-NBS-MD-000007

Key Items are:

 p. 6, Section 1, Paragraphs 1, 2. This AMR is an abstraction of an analytical curve fit to the GENII-S stochastic code based on the deterministic GENII code for buildup and removal of radionuclides in agricultural surface soil as a function of duration of irrigation with contaminated water, harvest removal, radioactive decay and leaching. Obviously, we do not have 10,000 years of irrigation with contaminated water (e.g., Figure 1 on p. 16) to calibrate the model, but the abstraction model is simple and clear and should be applicable. DOE can also run sensitivities to parameters when done.

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