

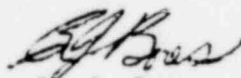
APR 14 1977

MEMORANDUM FOR: J. P. Stohr, Chief, Environmental & Special Projects )PS  
Section, Fuel Facilities and Materials Safety Branch

FROM: Robert J. Bores, Radiation Specialist, FF & MS Branch

SUBJECT: THREE MILE ISLAND - 1 INSPECTION 50-289/77-07

During the above inspection the inspector examined each of the approximately 45 waste neutralizer tank discharges during the 4th Quarter, 1976, with respect to time and duration of each discharge and with respect to the river water sampling performed to meet the requirements of ETS, Section 4.4.a. The inspector noted that of all the discharges, only one may have been timed such that its effluent was possibly included in a grab sample taken at locations 9A2 and 9B1, just downstream from the discharge point. It did not appear that the licensee was deliberately avoiding a discharge during the sampling times, but rather it was easier time-wise to get the necessary analyses performed during the back shifts. Therefore, following the analyses, if in spec., the tanks are dumped during the back-shift. (The river samples are collected one day/week usually about mid-day.) While the licensee is doing more than actually required by the current ETS (grab sampling weekly, rather than monthly), it is ludicrous to perform the river sampling in this manner, knowing that the likelihood of seeing any discharge is improbable. The data, thus gathered, would tend to "confirm" that the plant discharges cannot be seen downstream, when all that can be said is that nothing appeared in the river water at the time of sampling. The data are, therefore, misleading in the amount of confidence that is placed on the river monitoring program. The licensee is looking at the York-Haven Power Station as a replacement for the above sampling locations, but has not moved along any further than he was last August. Therefore, I recommend that NRR/DOR be requested to expedite this change in the river sampling regime.



R. J. Bores  
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