

AUG 11 1988

SECTION NOTE ON PA DATABASE

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MEMORANDUM FOR: Hydrology Section - N. Coleman,
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FROM: D. L. Chery, Jr., Section Leader
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SUBJECT: HYDROLOGY SECTION FAMILIARIZATION WITH THE HLW PROGRAM
ARCHITECTURE CONCEPT, NOMENCLATURE AND RELATIONAL DATABASE
BEING DEVELOPED FOR THE NRC BY THE CNWRA

Experience gained from our current activity in developing hydrology related open items for NNWSI based on existing NRC documents on file (CDSCP comments, FEA comments) indicates that this activity needs to be done with an awareness of the concurrent CNWRA activities in developing the HLW Program Architecture and associated relational database. This awareness is necessary for two reasons:

- Using the approved program nomenclature will allow effective communication (in terms of context) of our technical concerns.
- We will likely be required to participate in either developing input to the relational database or reviewing drafts of the database developed by the CNWRA. Understanding the format and context of anticipated content coupled with early documentation of our technical concerns (as open items or potential open items) will allow us to be knowledgeable and efficient when participation is required.

For all in the Section to gain familiarity with the program architecture concept, nomenclature and the relational database, you are being provided with copies of the following background material:

- Letter (6/16/88) from P. Altomare (NRC) to A. Whiting (CNWRA) regarding program architecture terminology and its usage. This attachment is self-explanatory.
- An early draft (April 1988) of a structure for the relational database (to be used for an analysis of each applicable regulation) developed by HLSE.
- Revised Technical Operating Procedure-001 Revision 1. This procedure provides broad guidance for the CNWRA for developing and maintaining the Program Architecture.

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- Technical Operating Procedure-001-01. This procedure provides further guidance for the CNWRA in developing (and revising) the PA relational database.
- Technical Operating Procedure-001-02. This procedure provides detailed guidance for the CNWRA as to the content of the relational database. Note that 53 fields are defined.
- Program Architecture relational database examples. Example entries for two sections of 10 CFR 60 were developed to provide guidance for subsequent PA relational database development efforts. Note that these examples stimulated considerable discussion among NRC staff (continuing at the meeting in San Antonio this week; August 8-12). Do not assume that all entries are or will be considered acceptable to NRC staff.

As stated in Section 2 of TOP-001, "The complete PA may require modification to certain of these steps or additional steps not currently identified in the process diagram but which may become necessary as the PA matures and develops." This "program architecture" licensing review methodology is rapidly becoming immutable (especially with the program acceleration directed by NRC) and it will soon control all our work. Thus it is imperative that we understand what is being developed and contribute to modifications and enhancements now. Consider reading and understanding this material a priority task.

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Attachments: as stated
cc: R.L. Ballard

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