

From: "Daflucas, Ronda" <rdafluc@entergy.com>
To: "Rick Ennis" <RXE@nrc.gov>
Date: Thu, Mar 4, 2004 2:42 PM
Subject: UFSAR drawings

Rick,
The plot, floor plans and ground plans drawings are G191142 thru G191152, available on the UFSAR Rev 18 CD.
Attached is a sketch to enhance communication.

<<ERC-2003-045.pdf>>
Please call when ready, preferably this afternoon.
Thank you,

Ronda Daflucas
Vermont Yankee Project Manager, NRR
Entergy Nuclear Operations, Inc.
802-258-4232

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA- 2004-267

C-2

Flick,

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VY ENGINEERING RECORD CORRESPONDENCE

TO: James Metcalf, Polestar Applied Technology
Theodore Messier, Framatome-ANP, Marlborough, MA. ERC NO. 2003-045

FROM: Pedro Pérez *Pedro B. Pérez* / 1 6/04/03
(Preparer / Signature) (Date)

INDEPENDENT REVIEWER: Paul Rainey / *Paul A. Rainey* 6/04/03
(Reviewer / Signature) (Date)

DOCUMENT INFORMATION IS BEING PROVIDED FOR (VYDC#, MM#, Calculation #, TE#, etc.)

Alternate Source Term Implementation χ/Q Calculation.

SUBJECT: (Provide a brief statement describing the content on the ERC)

The ERC transmits analysis input for calculating χ/Q sets for the reactor building bypass release point to the control room air intake and EAB.

REFERENCES: (List all references used in preparing the ERC)

VY PO VY015912
Attached Hand Drawing
VYC-522, Revision 2, VY Primary Vent Stack and Reactor Building Short Term Accident
Atmospheric Diffusion Factors (Page 429)
VY Drawing G-191625, Rev. 14, VY Roof Plans – Architectural & Plumbing
VY Drawing G-191148, Rev. 21, VY General Arrangements, Reactor Building Plans Sheet 1
VY Drawing G-191142, Plot Plan, Rev. 39

BACKGROUND: (State the reason the ERC is being prepared and provide any additional information needed to understand the purpose of the ERC)

The AST methodology requires the identification of unfiltered leakage paths. The VY reactor building N-2 penetrations on the reactor building South wall at elevation 258 ft (where grade is 252 ft) meet the selection criteria. The dispersion factors (χ/Q) from this location to the control room fresh air intake (FAI) location and the EAB are needed for the dose calculation.

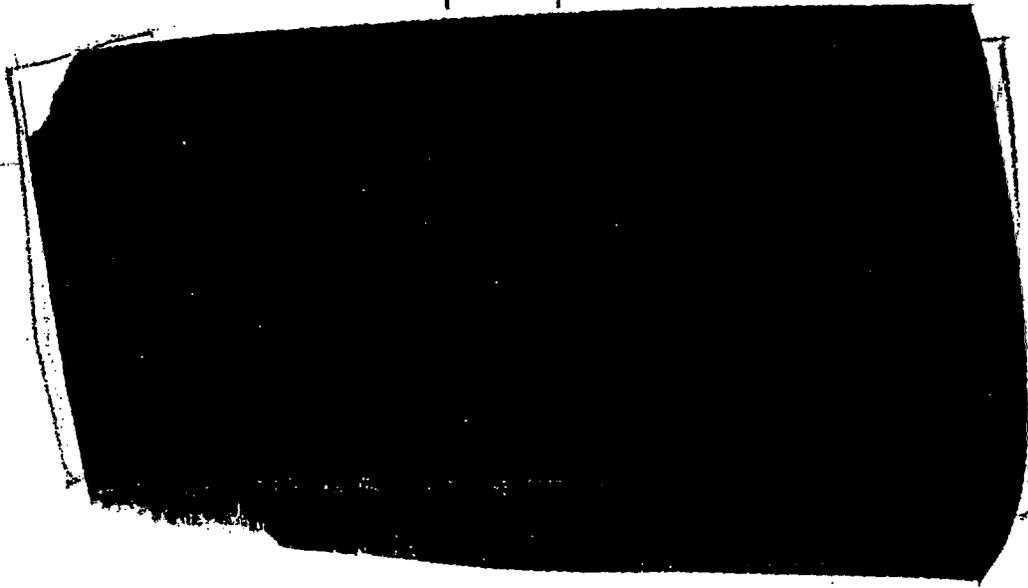
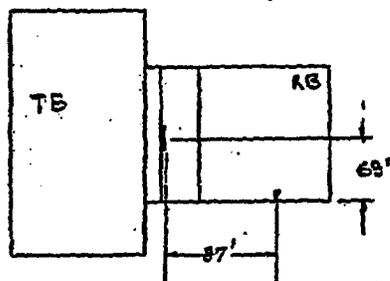
DISCUSSION: (Clearly provide the information required to address the purpose of the ERC as described in the BACKGROUND section of the ERC. Specifically state the intended use of the information provided and any limitations or restrictions that apply. If any requested information has not been provided, identify the missing information and discuss the reason or schedule for providing it. If the ERC requires more than one page, each page shall be numbered and contain the ERC Number.)

The following sketch along with drawings previously supplied provide the necessary information for the χ/Q calculation.

Cc: DEAA

FIGURE 1

REACTOR BUILDING BY-PASS LEAKAGE LOCATION FOR γ/β
CALCULATION



Ex 2