



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

NRC POR

MAY 22 1979

MEMORANDUM FOR: E. Reeves, Task Manager B-24
THRU: E. Adensam, Section Leader, Plant Systems Branch, DOR *Ej*
FROM: C. Grimes, Plant Systems Branch, DOR
SUBJECT: CONTAINMENT PURGING ACTIVITY STATUS

In response to our May 16, 1979 meeting with V. Stello, D. Eisenhut, and L. Nichols, I have prepared the enclosed list (Enclosure 1) of licensees who would not commit to a 90-hour purging limit. These licensees are excellent candidates for near-future meetings.

Also, in addition to the review responsibilities we previously transmitted to you, all further submittals relating to this activity should be routed to me and I will be responsible for distribution to the appropriate technical reviewer. We will continue to work through the IST review teams to gather additional information relating to the systems used for purging and venting and available alternate systems. Enclosure 2 contains the IST review team responses for Big Rock Point, in accordance with your request of May 14, 1979. We will evaluate this information and future responses relative to the need for purging and venting.

C. Grimes
C. Grimes
Plant Systems Branch
Division of Operating Reactors

Enclosures:
As stated

cc w/enclosures:
V. Stello J. Kerrigan
D. Eisenhut A. Wang
B. Grimes E. Adensam
R. Vollmer J. T. Beard
G. Knighton R. Emch
L. Nichols J. Zudans

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CONTAINMENT PURGING - NO COMMITMENT / QUESTIONABLE COMMITMENT

* BIG ROCK POINT	covered by ISI/IST site visit.
BROWNS FERRY	no action pending definite safety problem, TVA will do operability analysis 'cause vendor can't.
BRUNSWICK	must have one hour purge per day.
COOK	90 hours not enough, must change OL commitment/T.S.
COOPER	cannot commit to 90 hours.
CRYSTAL RIVER	cannot commit, high activity will violate RCS leak monitor.
* COMMONWEALTH	covered by DOR site visit.
FITZPATRICK	please don't limit us to 90 hours.
INDIAN POINT	90 hours unreasonable & impractical
KEWAUNEE	will limit (to what?)
LA CROSSE	no need: designed for continuous purge, 20" valves designed to close against max delta P.
MILLSTONE #1	want unlimited: vendor verified 57 psid purchase spec.
NINE MILE POINT	"necessary to purge daily" & "designed to close"
OCONEE	no change necessary - "designed to close"
OYSTER CREEK	will limit (to what?)
PILGRIM	we're OK, prove later.
PRAIRIE ISLAND	would severely affect availability & "designed to close"
ROBINSON	need more than 90 hours - AE verified design spec.
SALEM	will justify unlimited - butterflys tend to close with flow.
SAINT LUCIE	unwarranted restriction = negative effect; will minimize.
THREE MILE ISLAND #1	we're OK, will condense to address BTP by 12/79.
TURKEY POINT	same as St. Lucie.
VERMONT YANKEE	will justify unlimited - "designed to close"

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BIG ROCK POINT - CONTAINMENT PURGE VALVES

1. Big Rock Point uses a continuous ventilation system. This system provides:
 - a. Continuous access to containment,
 - b. Provides a negative pressure of -.5 inch of water,
 - c. Controls radioactivity in atmosphere, and
 - d. Controls temperature in containment.
2. Plant operability is dependent on containment access. Controls for recirculation pump seals water, control rod drives, HVAC and other equipment is in containment. Operators make periodic rounds in containment every 2 hours. The spent fuel pool is also located in containment.
3. There is no other system available for this purpose.
4. Same as 2 above.
5. The purge valves are 24" valves with a six second closing time. These valves also act as vacuum breakers. The butterfly valves are air to open/spring to close.

<u>Valve #</u>	<u>Manufacturer</u>	<u>Type</u>	<u>Design Pressure</u>	<u>Service Pressure</u>
4096-4094	Atwood Morrill	Check	150# Rating	27 psig
4095	Allis Chalmers	Butterfly	50# Rating	27 psig
4097	Allis Chalmers	Butterfly	40# Rating	27 psig
This is a new valve, installed in 1974.				

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