

IA-E-180




TO: SIG DISTRIBUTION

Apr 11 10, 1979

- BSW - Trailer #26
- Bob Long - Trailer #26
- Ivan Porter - Met-Ed Op.
- Vic Stallo - (NRC )  
(Trailer #7)
- Milt Levenson - Bldg. #26
- Cable Spreading Room
- Bert Ackermann - Bldg. #26

Attached is a status report by the Special Instrument Group on diagnostic instrumentation.

Report will be updated daily.



R. BALL

RB:dr

166 096

7 905 230 483

P

Instrument Type or Class	Primary Function in Recovery	Who is Using	Location & Type of Indication	Vital Signs of Health	Prior Action Results	New Action
Computer Backup	TC readings	Control Room	--	Continued operation		1) Cable Available 2) Hookup Put on 2 multi-point 3) Spare core
Ex Core Detectors	Determine core relocation	Core evaluation	Safety cabinets	D.C. current Resistance (greater than 20 mag)	1) Techs can now do 2) A test procedure was written (Z98A) ~ 3% down	1) How often does Tech group want? Ask Hill
BF <sub>3</sub> counters:  166 097	Neutron Indicator Sub-criticality	Control Room	Recorder on one at a time	Value and fluctuations	Discriminator & gain checked (plateau)  40 c/s = 1 mV <sub>T<sub>H</sub></sub>	Ask shift to record both BF <sub>3</sub> 's

## SPECIAL INSTRUMENT GROUP - STATUS REPORT

Date 9 AprilTime 2030

Instrument Type or Class	Primary Function in Recovery	Who is Using	Location & Type of Indication	Vital Signs of Health	Prior Action Results	Now Action	Res: Pe
SPND (Self-powered neutron detectors)	Indicate lower part of core is whole	Core evaluation	Computer printout	Resistance greater than 10 on good ones	Arkansas P&L (Jim Poole) is bringing in TDR	Review by HDW of TDR  Will do TC's then SPND's	Action
TC's (Thermocouples)	Core top temperature Redistribution	Core Eval. Operators	Two on strip charts in S.R. Control Room computer printout	Resistance continuity and reasonable value	<ol style="list-style-type: none"> <li>1) Duke is taking some TC resistance</li> <li>2) Have resistors from computer terminals and to ground</li> <li>3) 7F &amp; CF both noisy</li> </ol>	<ol style="list-style-type: none"> <li>1) Compare Duke &amp; TH1 for low resistance</li> <li>2) Ackermann will show Mill</li> <li>3) What did TC's do as a function of pressure</li> </ol>	
Movable incore	Core integrity  166 998 860 098	Core Eval.	Spreading Room (S.R.)	Motion	Kent 3 1/2 ft. into core in location H-9 (3 ft. into fuel) Solid stop Practically no change in current - detector appears wet and dead		



SPECIAL INSTRUMENT GROUP - STATUS REPORT

Date 9 April

Time 2030

Instrument Type or Class	Primary Function in Recovery	Who is Using	Location & Type of Indication	Vital Signs of Health	Prior Action Results	Now Action	R. S. P.
Pressure and level	Indicate water location for cooling	Control Room	Control Room	On-scale reading fluctuations	1) Lost B OTSG wide range level 2) Procedure written by utility to put in dP between FW flow and steam pressure 3) Have dP cell from Lynchburg 4) Tap is outside 5) Will do on both OTSG's		
Pressurizer level	660 991				Level indicator 92 indicated high noise, then OK Bailey says de-powered test indicator	Check all 3 to computer. Is one not powered?	Act will Sci
Pressure				Have been heavily irradiated Foxboro (not guaranteed for high radiation)	No fluctuation when pump is off-boiling not pressure source	Still monitoring of PSD's	Sci

SPECIAL INSTRUMENT GROUP - STATUS REPORT

Date 9/2/71

Time 2030

Instrument Type or Class	Primary Function in Recovery	Who is Using	Location & Type of Indication	Vital Signs of Health	Prior Action Results	New Action	R. S. P.
RTD	Loop temperatures	Control Room	Computer printout		T hot is coming out on log. RTD's below flow nozzle	Determine RTD to see availability	See Ser
Vent Header	Pressurized to clean up					Can we find leak?	
TC on Pressurizer Relief Valve						Is being read on computer?	
Seal Temperature	166 100					What can trip primary pump and what has been disabled?	