

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 374-4531

September 14, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414

Dear Mr. Denton:

On July 29, 1982, Duke Power Company transmitted comments on the Fire Protection preliminary draft SER. Included as Table 1 was a list of rooms and the type of fire detector provided. A number of errors were noted in this table. Attached is a corrected copy.

Very truly yours,

H.B. Tucker

Hal B. Tucker

ROS/php
Attachment

cc: Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Mr. P. K. Van Doorn
NRC Resident Inspector
Catawba Nuclear Station

Mr. Robert Guild, Esq.
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314 Pall Mall
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Mr. Harold R. Denton, Director
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cc: Palmetto Alliance
2135½ Devine Street
Columbia, South Carolina 29205

Mr. Jesse L. Riley
Carolina Environmental Study Group
854 Henley Place
Charlotte, North Carolina 28207

Mr. Henry A. Presler, Chairman
Charlotte-Mecklenburg Environmental Coalition
943 Henley Place
Charlotte, North Carolina 28207

Table 1

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
ELEVATION 522		
100	Refueling Water Recirculating Pump; Component Cooling Drain Sump & Sump Pumps	I - R/R
101	Corridor	I - R/R
102	Containment Spray Pump 1A	I - R/R
103	Containment Spray Pump 1B	I - R/R
104	Residual Heat Removal Pump 1B	I - R/R
105	Residual Heat Removal Pump 1A	I - R/R
106	Corridor	I - R/R
107	Containment Spray Pump 2A	I - R/R
108	Containment Spray Pump 2B	I - R/R
109	Residual Heat Removal Pump 2B	I - R/R
110	Residual Heat Removal Pump 2A	I - R/R
111	Corridor	I - R/R
112	Corridor	I - R/R
113	Pipe Chase	-
ELEVATION 543		
200	Area Between Column Lines 56 & 58	I - R/R
200A	Stairwell North of East Elevator	-
200B	Area in Front of East Elevator	-
200C	Groundwater Drainage Sump & Pumps	-
200D	Stairwell Adjacent to Room 248	-
201	Area South of Valve Gallery 202	-
202	Valve Gallery	-
203	Waste Gas Decay Tanks	-
204	Hydrogen Recombiner Control Panel Area (Corridor)	-
204A	Exhaust Fan Concrete Pad	-
204B	Waste Gas Analysis Rack "A"	-
205	Waste Gas Hydrogen Recombiner "A"	-
205A	Gas Analysis Rack	-
206A	Waste Gas Hydrogen Recombiner "B"	-
206B	Waste Gas Compressor Package "B"	-
207	Waste Gas Compressor Package "A"	-
208	Corridor	I - R/R
209	Corridor	I - R/R
209A	Stairwell	-
210	Corridor Adjacent to Recycle Evap. Feed Pump	-
210A	Recycle Evap. Feed Pump "A" & "B"	-
210B	Valve Gallery	-
211	Recycle Evap. Package	-
212	Corridor	I - R/R
212A	Stairwell	-
212B	Exhaust Fan Concrete Pad	-

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
213	Gas Decay Tank Drain Pump	-
214	Chemical Drain Tank, Floor Drain Sump, Waste Evap. Feed Sump	-
215	Access Corridor	-
215A	Waste Drain Tank Pumps	-
215B	Waste Evap. Feed Tank Pumps	-
215C	Waste Drain Tank	-
215D	Waste Evap. Feed Tank	-
216	Waste Evaporator Package	-
217	Mechanical Penetration Area - Unit 1	I - R/R
220	Mixing & Settling Tank Pumps	-
221	Mixing & Settling Tank	-
222	Spent Resin Valve Body Room	-
222A	Spent Resin Storage Tank B	-
222B	Spent Resin Storage Tank A	-
223	Spent Resin Sluicing Pump & Valve Body Area	-
224	Laundry & Hot Shower Tank Pump	-
225	Laundry & Hot Shower Tank/Floor Drain Tank	-
226	Floor Drain Tank Pump	-
227	Mechanical Penetration Area - Unit 2	I - R/R
230	Centrifugal Charging Pump 1A	I - R/R
231	Centrifugal Charging Pump 1B	I - R/R
232	Corridor	I - R/R
233	Reciprocal Charging Pump - Unit 1	I - R/R
234	Safety Injection Pump 1B	I - R/R
235	Safety Injection Pump 1A	I - R/R
236	Hatch Area	I - R/R
237	Restricted Instrument Shop	I - R/R
238	Sample Panel Area - Unit 1	I - R/R
239	Cable Shaft Access Area	I - R/R
240	Centrifugal Charging Pump 2A	I - R/R
241	Centrifugal Charging Pump 2B	I - R/R
242	Corridor	I - R/R
243	Reciprocal Charging Pump - Unit 2	I - R/R
244	Safety Injection Pump 2B	I - R/R
245	Safety Injection Pump 2A	I - R/R
246	Hatch Area	I - R/R
247	Restricted Instrument Shop	I - R/R
248	Sample Room - Unit 2	I - R/R
250	Vent Condensate Drain Tank - Unit 1	I - R/R
250A	Stairwell	-
251	Aux. Feedwater Pump Turbine Panel	I - R/R
252	Train A Shutdown Panel	I - R/R
253	Train B Shutdown Panel	I - R/R
254	Turbine Driven Aux. Feedwater Pump - 1A	Photoelectric
255	Motor Driven Aux. Feedwater Pump - 1B	I - R/R
256	Motor Driven Aux. Feedwater Pump - 1A	I - R/R
260	Vent Condensate Drain Tank - Unit 2	I - R/R
260A	Stairwell	-
261	Aux. Feedwater Pump Turbine Panel	I - R/R
262	Train A Shutdown Panel	I - R/R

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
263	Train B Shutdown Panel	I - R/R
264	Turbine Driven Aux. Feedwater Pump - 2A	Photoelectric
265	Motor Driven Aux. Feedwater Pump - 2B	I - R/R
266	Motor Driven Aux. Feedwater Pump - 2A	I - R/R

ELEVATION 560

300	Equipment Area	I - R/R
300A	Stairs	-
300B	Elevator Lobby	-
300C	Duct Shaft	-
300D	Duct Shaft	-
301	Boric Acid Transfer Pumps - Unit 2	-
302	Boric Acid Transfer Pumps - Unit 1	-
303	Corridor (Boric Acid Batching Tank)	I - R/R
303A	Stairs	-
303B	Duct Shaft	-
304	Valve Gallery	I - R/R
305	Boric Acid Tank "A"	-
306	Valve Gallery	I - R/R
307	Boric Acid Tank "B"	-
308	Corridor	I - R/R
308A	Boron Injection Tank & Pumps - Unit 2	I - R/R
309	Volume Control Tank - Unit 2	-
310	Corridor	I - R/R
310A	Stairs	-
310B	Duct Shaft	-
311	Pipe Trench & Hall	-
312	Pipe Trench & Hall	-
313	Valve Gallery	I - R/R
314	Recycle Holdup Tank "A"	-
315	Valve Gallery	I - R/R
316	Recycle Holdup Tank "B"	-
317	Valve Gallery	-
318	Corridor	I - R/R
318A	Boron Injection Tank & Pumps - Unit 1	I - R/R
319	Volume Control Tank - Unit 1	-
320	Motor Control Center	I - R/R
321	Seal Water Heat Exchanger - Unit 2	-
322	Cable Tray Access - Unit 2	I - R/R
322A	Stairs	-
323	Pipe Chase	I - R/R
323A	Pipe Chase	-
323B	Pipe Chase	I - R/R
324	Boronometer - Unit 2	-
330	Motor Control Center	I - R/R
331	Seal Water Heat Exchanger - Unit 1	-
332	Boronometer - Unit 1	-
333	Pipe Chase	I - R/R
333A	Pipe Chase	-
333B	Pipe Chase	I - R/R

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
334	Cable Tray Access - Unit 1	I - R/R
340	Battery Room - Unit 2	I -
340A	Cable Shaft	-
340B	Cable Shaft	-
341	Vital Battery 2EBA	I - R/R
342	Vital Battery 2EBB	I - R/R
342A	Battery Charger 2ECB	I -
343	Vital Battery 2EBC	I - R/R
344	Vital Battery 2EBD	I - R/R
345	Aux. Cont. Pwr. Batt. 2CBB	I - R/R
346	Aux. Cont. Pwr. Batt. 2CBA	I - R/R
350	Battery Room - Unit 1	I -
350A	Cable Shaft	-
350B	Duct Shaft	-
351	Vital Battery 1EBA	I - R/R
352	Vital Battery 1EBB	I - R/R
352A	Battery Charger 1ECB	I -
353	Vital Battery 1EBC	I - R/R
354	Vital Battery 1EBD	I - R/R
355	Aux. Cont. Pwr. Batt. 1CBB	I - R/R
356	Aux. Cont. Pwr. Batt. 1CBA	I - R/R
360	Electrical Penetration Room - Unit 2	I -
360A	Stairs	-
362	Switchgear Room	I -
363	Switchgear HVAC Equipment Room	I -
370	Electrical Penetration Room - Unit 1	I -
370A	Stairs	-
372	Switchgear Room	I -
373	Switchgear HVAC Equipment Room	I -

ELEVATION 577

400	Equipment Area	I - R/R
400A	Stairs	-
400B	Stairs	-
400C	Duct Shaft	-
400D	Duct Shaft	-
400E	Stairs	-
400F	Duct Shaft	-
400G	Duct Shaft	-
401	Glycol Mixing & Storage Tank; Elevator Lobby	I - R/R
401A	Stairs	-
402	Corridor	I - R/R
403	Container & Drum Storage	I - R/R
404	Access to Rooms	-
404A	Dewatering Pump	I - R/R
404B	Radwaste Feed Skid	I - R/R
404C	Evaporator Concentrate Holdup Tank	I - R/R
405	Filter Bunkers	I - R/R
407	Corridor	I - R/R

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
408	Fuel Pool Cooling Demineralizer	I - R/R
409	Fuel Pool Cooling; Skimmer Pumps; Heat Exchangers	I - R/R
410	Recycle Evaporator Feed Demin (Hatch)	-
411	Recycle Evaporator Condensate Demin. (Hatch)	-
412	Recycle Evaporator Condensate Filter (Double Hatch)	-
413	Boric Acid Filters (2 Adjacent Hatches)	-
414	Recycle Evaporator Feed Demin (Hatch)	-
415	Recycle Evaporator Concentrate Filter (Hatch)	-
416A	Recycle Evaporator Feed Filter (Double Hatch)	-
416B	Recycle Evaporator Feed Filter (Double Hatch)	-
417	Fuel Pool Cooling Demineralizer	I - R/R
418	Fuel Pool Cooling Pumps & Heat Exchanger	I - R/R
419	Mechanical Penetration Room	I - R/R
420	Fuel Pool Cooling Post Filters and Pre-Filters and Fuel Pool Skimmer Filter (6 Hatches)	-
421	Thermal Regenerative Demineralizer 2B (Hatch)	-
422	Thermal Regenerative Demineralizer 2C (Hatch)	-
423	Cation Bed Demineralizer 2A (Hatch)	-
424	Waste Monitor Tank Demineralizer (Hatch)	-
425	Containment Spray & Residual Heat Removal Heat Exchangers - 2A	I - R/R
426	Containment Spray & Residual Heat Removal Heat Exchangers - 2B	I - R/R
427	Mechanical Penetration Room	I - R/R
428	Laundry/Hot Shower Carbon Filter	-
430	Fuel Pool Skimmer Filter & Waste Evaporator Condensate Filter (3 Hatches)	-
431	Thermal Regenerative Demineralizer - 1E (Hatch)	-
432	Thermal Regenerative Demineralizer - 1C (Hatch)	-
433	Cation Bed Demineralizer 1A (Hatch)	-
434	Containment Spray & Residual Heat Removal Heat Exchangers - 1A	I - R/R
435	Containment Spray & Residual Heat Removal Heat Exchangers - 1B	I - R/R
441	Floor Drain Tank Filter	-
442	Laundry & Hot Shower Filter (Primary and Secondary)	-
443	Thermal Regenerative Demineralizer - 2A (Hatch)	-
444	Thermal Regenerative Demineralizer - 2D	-
445	Mixed Bed Demineralizer (Hatch)	-

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
446	Reactor Coolant Filter - 2B (Hatch)	-
447	Seal Water Return Filter (Hatch)	-
448	Thermal Regenerative Demineralizer - 2E (Hatch)	-
449	Mixed Bed Demineralizer - 2A (Hatch)	-
450	Fuel Pool Cooling Filters - Unit 1 (5 Hatches)	-
451	Seal Water Return Filter - Unit 1 (2 Hatches)	-
452	Thermal Regenerative Demineralizer - 1D (Hatch)	-
453	Thermal Regenerative Demineralizer - 1B (Hatch)	-
454	Mixed Bed Demineralizer - 1B (Hatch)	-
455	Reactor Coolant Filter - 1B (2 Hatches)	-
456	Reactor Coolant Filter - 1A (2 Hatches)	-
457	Waste Evaporator Condensate Demineralizer (1 Hatch)	-
458	Thermal Regenerative Demineralizer 1A (1 Hatch)	-
459	Mixed Bed Demineralizer 1A	-
460	Reactor Coolant Filter 2A	-
461	Waste Monitor Tank Filter	-
462	Seal Water Injection Filter 2B	-
463	Seal Water Injection Filter 2A	-
464	Spent Resin Sluice Filter	-
465	Letdown Reheat Heat Exchanger - Unit 2	I - R/R
466	Letdown Chiller Heat Exchanger - Unit 2	I - R/R
467	Letdown Heat Exchanger - Unit 2	I - R/R
468	Moderating Heat Exchanger - Unit 2	I - R/R
469	Motor Control Center	I - R/R
470	Seal Water Injection Filter 1A	-
471	Seal Water Injection Filter 1B	-
472	Waste Evaporator Feed Filter B	-
473	Waste Evaporator Feed Filter A	-
474	Letdown Heat Exchanger - Unit 1	I - R/R
475	Chiller Heat Exchanger - Unit 1	I - R/R
476	Letdown Heat Exchanger - Unit 1	I - R/R
477	Moderating Heat Exchanger - Unit 1	I - R/R
478	Motor Control Center	I - R/R
480	Corridor (East of #2 Cable Room 481)	I - R/R
480A	Cable Shaft Room	I - R/R
481	Cable Room	I - R/R
481A	Electrical Boards	I - R/R
482	Duct Shaft (East of #2 Corridor & Cable Room)	-
483	Corridor	-
484	Electrical Penetration Room - Unit 2	I -
484A	Stairs - Entry to Electrical Penetration Room	-
485	Switchgear Equipment Room	I -
486	Load Center - Unit 2	I -

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
490	Corridor	I - R/R
490A	Cable Shaft	I - R/R
491	Cable Room - Unit 1	I - R/R
491A	Electrical Boards Room - Unit 1	I - R/R
492	Duct Shaft (Adjacent to #1 Corridor)	-
493	Corridor Unit 1	-
494	Electrical Penetration Room - Unit 1	I -
494A	Stairs & Access to Electrical Penetration Room	-
495	Switchgear Equipment Room - Unit 1	I -
496	Load Center - Unit 1	I -

ELEVATION 594

500	Central Area - Auxiliary Building	I - R/R
500A	NE Stairwell	-
500B	NW Stairwell	-
500C	SE Stairwell	-
500D	SW Stairwell	-
510	Counting Room	-
511	Environmental Room	I - R/R
512	H. P. Respiratory	I - R/R
530	New Fuel Storage Area, Unit 1	UV
531	New Fuel Receiving Area, Unit 1	UV
540	New Fuel Storage, Unit 2	UV
541	New Fuel Receiving, Unit 2	UV
550	Manway to Spent Resin Batching Tank	I - R/R
551	Instrument Calibration	-
551A	Corridor	-
560	Equipment Area (Vent.)	I -
561	Corridor/Hatch Area	-
561A	Stairwell	-
561B	Stairwell	-
562	Unit 2 Penetration Area (Steam Doghouse)	-
563	Electrical Penetration, Unit 2	I -
564	RMC Room	I -
570	Equipment Area (Vent.)	I -
571	Corridor	-
571A	Stairwell	-
572	Unit 1 Steam Penetration (Doghouse)	-
573	Control Room	I - R/R
574	Operators Room	I -
575	Interface Office	I -
576	Electrical Penetration Room, Unit 1	I -
580	N ₂ Accum. Tank Blowoff, Unit 2	-
580A	Stairwell	-
581	Steam Penetration, Unit 2 (Outside Doghouse)	-
590	N ₂ Accum. Tank Blowoff, Unit 1	-
590A	Stairwell	-
591	Steam Penetration, Unit 1 (Outside Doghouse)	-

<u>Room Number</u>	<u>Description</u>	<u>Detection</u>
ELEVATION 609		
600	Fuel Pool Operating Floor, Unit 1	I - R/R
600A	Duct Room	-
601	Reactor Personnel Lock Area	-
601A	Reactor Personnel Area	I - R/R
602	Decontamination Storage, Unit 1	I - R/R
614	Fuel Pool Operating Floor - Unit 2	I - R/R
614A	Duct Room	-
615	Reactor Personnel Lock Area #2	-
615A	Reactor Personnel Area	I - R/R
616	Decontamination Storage, Unit 2	I - R/R

ELEVATION 611

750	Purge Supply Room - Unit 1	-
751	Purge Supply Room - Unit 2	-

ELEVATION 623 + 10

801	Fuel Pool Purge Unit (Unit 1)	-
802	Fuel Pool Purge Unit (Unit 2)	-

Room NumberDescriptionDetection

DIESEL GENERATOR BUILDING

302	Diesel Generator 1A	- R/R
302C	Diesel Generator 1A Sequencer Panels	I - R/R
304	Diesel Generator 1B	- R/R
304C	Diesel Generator 1B Sequencer Panels	I - R/R
306	Diesel Generator 2A	- R/R
306C	Diesel Generator 2A Sequencer Panels	I - R/R
308	Diesel Generator 2B	- R/R
308C	Diesel Generator 2B Sequencer Panels	I - R/R

NUCLEAR SERVICE WATER PUMP STRUCTURE

662	NSWP 1A & 2A	I - R/R
663	NSWP 1B & 2B	I - R/R

REACTOR BUILDING

Annulus - Unit 1	I -
Annulus - Unit 2	I -
Pipe Corridor - Unit 1	I -
Pipe Corridor - Unit 2	I -
Safety Related Cable Trays - Unit 1	I -
Safety Related Cable Trays - Unit 2	I -
RCP 1A, 1B, 1C, 1D	Heat Sensitive Cab.
RCP 2A, 2B, 2C, 2D	Heat Sensitive Cab.
Lower Containment Filters 1A, 1B	I - R/R
Lower Containment Filters 2A, 2B	I - R/R