

ATTACHMENT 1

TO

AEP:NRC:00286

DONALD C. COOK NUCLEAR PLANT UNIT 1
APPENDIX 'A' TECHNICAL SPECIFICATIONS

8004150510

CHANGE NO. 1

Revisions to Table 3.3-10; "Fire Protection Instrumentation"

These changes involve revisions to Table 3.3-10 entitled, "Fire Detection Instrumentation" on pages 3/4 3-52 and 3-53.

- (a) The minimum number of thermistor detectors specified for the Containment Quadrants 1, 2, 3 and 4 do not agree with the as built installation of the thermistor detection system for the containment cable trays. This change has been discussed with members of the NRC staff and is consistent with the requirements of the fire protection program for the Donald C. Cook Nuclear Plant. This change was previously submitted via our December 22, 1978 letter (AEP:NRC:00109) and is resubmitted here for completeness since other changes to this table are necessary.
- (b) This change updates the smoke (ionization) detection requirements to reflect the addition of detectors to certain plant areas in accordance with fire protection modifications made to the Cook Plant. The upgraded detection capability is described in the fire protection SER and is consistent with our submittals referenced therein.
- (c) This change reflects the optical (infrared) detection instrumentation added to certain areas of Cook Plant and is in accordance with the requirements of the fire protection SER and is consistent with our previous submittals referenced therein. This change consists of an additional column of instruments listed on Table 3.3-10.

The revised pages are attached. These changes will not adversely affect the health and safety of the public.

CHANGE NO. 2

Revision to Table 3.7-5 "Spray and/or Sprinkler Systems"

This change reflects the closed head sprinkler type water suppression systems added to certain plant areas in accordance with the requirements of the fire protection SER and is consistent with our previous submittals referenced therein. The new sprinkler systems were added to the auxiliary building on elevations 587 feet and 609 feet. These systems provide sprinkler protection to the corridors, charging pump rooms, safety injection pump rooms and laundry area, and are shared systems with Cook Unit 2. This change also reflects the sprinkler systems added to the reactor coolant pumps. The revised page is attached. These changes will not adversely affect the health and safety of the,public.

TABLE 3.3-10

FIRE DETECTION INSTRUMENTATION

INSTRUMENT LOCATION

MINIMUM INSTRUMENTS OPERABLE

SMOKE
(IONIZATION)

HEAT
(THERMISTOR)

OPTICAL
INFRARED

1. Containment

Zone 6, Quadrant 1 Cable Tunnel
 Zone 7, Quadrant 2 Cable Tunnel
 Zone 8, Quadrant 3N Cable Tunnel
 Zone 9, Quadrant 3M Cable Tunnel
 Zone 10, Quadrant 3S Cable Tunnel
 Zone 11, Quadrant 4 Cable Tunnel

3
 5
 3
 3
 2
 5

2
 3
 2
 2
 2
 4

Quadrant 1
 Quadrant 2
 Quadrant 3
 Quadrant 4
 1-HV-CFT-1 Charcoal Filters
 1-HV-CFT-2 Charcoal Filters

14
 3
 18
 11
 1
 1

2. Control Room

Zone 22, Control Room

24

3. Cable Spreading Room

Zone 15, Switchgear Cable Vault
 Zone 16, Auxiliary Cable Vault
 Zone 17, Control Room Cable Vault
 Zone 18, Control Room Cable Vault

10
 5
 24
 25

8

4. Diesel Generator

Diesel Generator Room 1AB
 Diesel Generator Room 1CD

1
 1

5. Diesel Fuel Oil Room

1

TABLE 3.3-10 (Cont'd)

FIRE DETECTION INSTRUMENTATION

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>		
	<u>SMOKE (IONIZATION)</u>	<u>HEAT (THERMISTOR)</u>	<u>OPTICAL (INFRARED)</u>
6. Auxiliary Building			
Zone 1, Elevation 573 ft.	5		
Zone 2, Elevation 587 ft.	42		
Zone 3, Elevation 609 ft.	22		
Zone 4, Elevation 633 ft.	31		
Zone 5, Elevation 650 ft.	26		
Zone 12, 4 Kv Switchgear	3		5
Zone 13, Engineered Safety Switchgear	7		4
Zone 14, CRD Switchgear	6		4
1-HV-AES-1 Charcoal Filters		1	
1-HV-AES-2 Charcoal Filters		1	
12-HV-AFX Charcoal Filters		1	
1-HV-CPR Charcoal Filters		1	
1-HV-CIPX Charcoal Filters		1	
1-HV-ACRF Charcoal Filters		1	
7. Fuel Storage			
Zone 19, New Fuel Storage Room	3		

TABLE 3.7-5

SPRAY AND/OR SPRINKLER SYSTEMS

A. OPEN HEAD DELUGE TYPE WATER SYSTEMS

<u>LOCATION</u>	<u>ACTUATION</u>
1-HV-AES-1 Charcoal Filters	Electric-heat
1-HV-AES-2 Charcoal Filters	Electric-heat
12-HV-AFX Charcoal Filters	Electric-heat
1-HV-CPR-1 Charcoal Filters	Electric-heat
1-HV-CIPX-1 Charcoal Filters	Electric-heat
1-HV-ACRF-1 Charcoal Filters	Electric-heat

B. CLOSED HEAD SPRINKLER TYPE WATER SYSTEMS

<u>LOCATION</u>	<u>TYPE SYSTEM</u>	<u>ACTUATION</u>
Auxiliary Bldg. Cask Handling Area*	Preaction Sprinkler	Dry Pilot
Auxiliary Bldg. Drumming Area*	Preaction Sprinkler	Dry Pilot
Auxiliary Bldg. Elev. 587* & 609* (corridors, charging, safety inj. pump rooms, laundry area)	Preaction Sprinkler	Dry Pilot
Reactor Coolant Pumps (4)	Preaction Sprinkler	Manual

* Shared system with D. C. COOK - UNIT 2.

ATTACHMENT 2

TO

AEP:NRC:00286

DONALD C. COOK NUCLEAR PLANT UNIT 2
APPENDIX 'A' TECHNICAL SPECIFICATIONS

CHANGE NO. 1

Revisions to Table 3.3-11; "Fire Protection Instrumentation"

These changes involve revisions to Table 3.3-11 entitled, "Fire Detection Instrumentation" on pages 3/4 3-51 and 3-52.

- (a) The minimum number of thermistor detectors specified for the Containment Quadrants 1, 2, 3 and 4 do not agree with the as built installation of the thermistor detection system for the containment cable trays. This change has been discussed with members of the NRC staff and is consistent with the requirements of the fire protection program for the Donald C. Cook Nuclear Plant. This change was previously submitted via our February 13, 1979 letter (AEP:NRC:00111) and is resubmitted here for completeness since other changes to this table are necessary.
- (b) This change updates the smoke (ionization) detection requirements to reflect the addition of detectors to certain plant areas in accordance with fire protection modifications made to the Cook Plant. The upgraded detection capability is described in the fire protection SER and is consistent with our submittals referenced therein.
- (c) This change reflects the optical (infrared) detection instrumentation added to certain areas of Cook Plant and is in accordance with the requirements of the fire protection SER, and is consistent of an additional column of instruments listed on Table 3.3-11.

The revised pages are attached. These changes will not adversely affect the health and safety of the public.

CHANGE NO. 2

Revision to Table 3.7-5 "Spray and/or Sprinkler Systems"

This changes reflects the closed head sprinkler type water suppression systems added to certain plant areas in accordance with the requirements of the fire protection SER and is consistent with our previous submittals referenced therein. The new sprinkler systems were added to the auxiliary building on elevations 587 feet and 609 feet. These systems provide sprinkler protection to the corridors, charging pump rooms, safety injection pump rooms laundry area and are shared systems with Cook Unit 1. This change also reflects the sprinkler systems added to the reactor coolant pumps. The revised page is attached. These changes will not adversely affect the health and safety of the public.

TABLE 3.3-11

FIRE DETECTION INSTRUMENTATION

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>		
	<u>SMOKE (IONIZATION)</u>	<u>HEAT (THERMISTOR)</u>	<u>OPTICAL (INFRARED)</u>
1. Containment			
Zone 1, Quadrant 1 Cable Tunnel	3		2
Zone 2, Quadrant 2 Cable Tunnel	5		3
Zone 3, Quadrant 3N Cable Tunnel	3		2
Zone 4, Quadrant 3M Cable Tunnel	3		2
Zone 5, Quadrant 3S Cable Tunnel	2		2
Zone 6, Quadrant 4 Cable Tunnel	5		4
Quadrant 1		12	
Quadrant 2		5	
Quadrant 3		23	
Quadrant 4		11	
2-HV-CFT-1 Charcoal Filters		1	
2-HV-CFT-2 Charcoal Filters		1	
2. Control Room			
Zone 16, Control Room	22		
3. Cable Spreading Room			
Zone 10, Switchgear Cable Vault	8		8
Zone 11, Auxiliary Cable Vault	5		
Zone 12, Control Room Cable Vault	24		
Zone 13, Control Room Cable Vault	25		
4. Diesel Generator			
Diesel Generator Room 2AB		1	
Diesel Generator Room 2CD		1	
5. Diesel Fuel Oil Room		1	

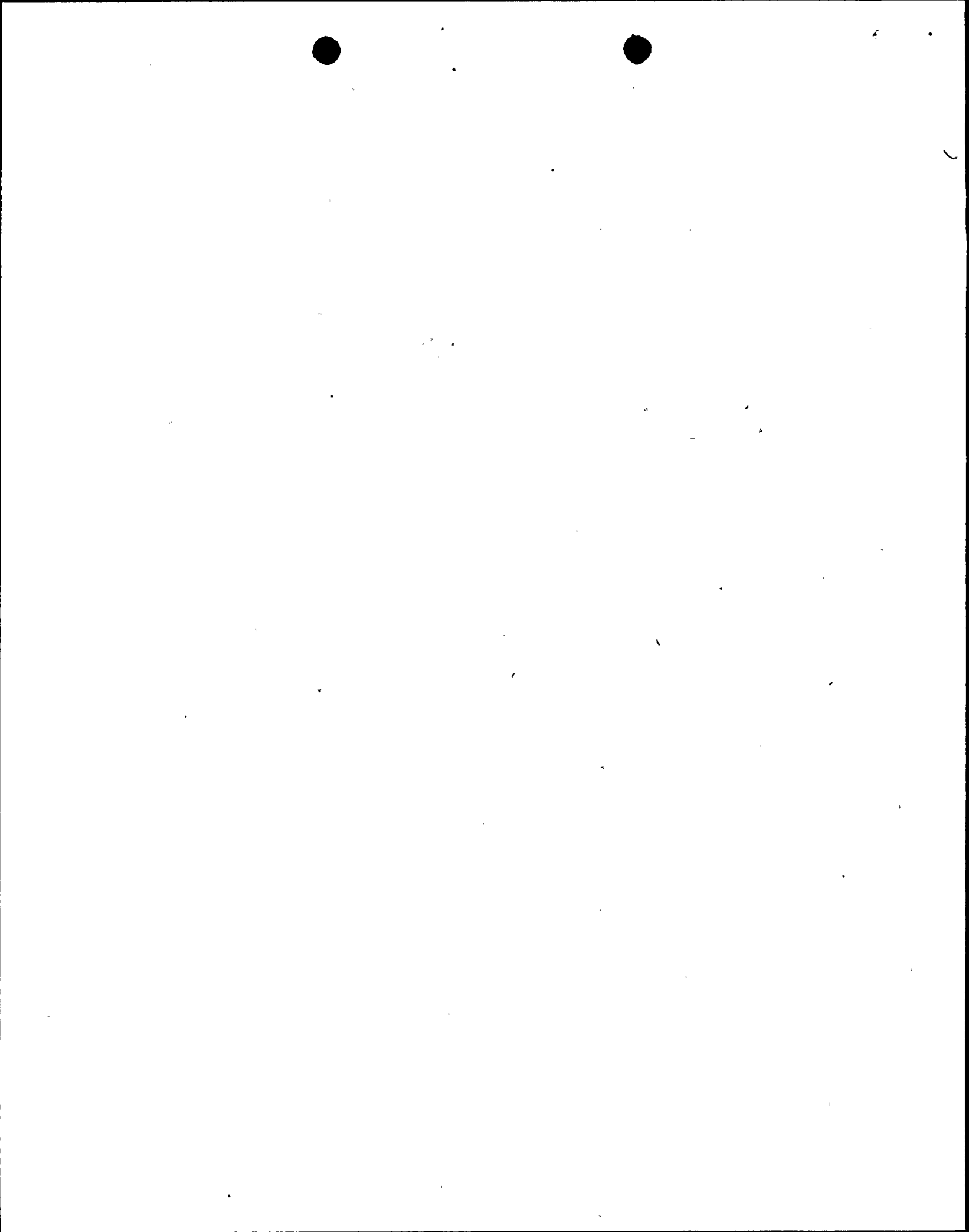
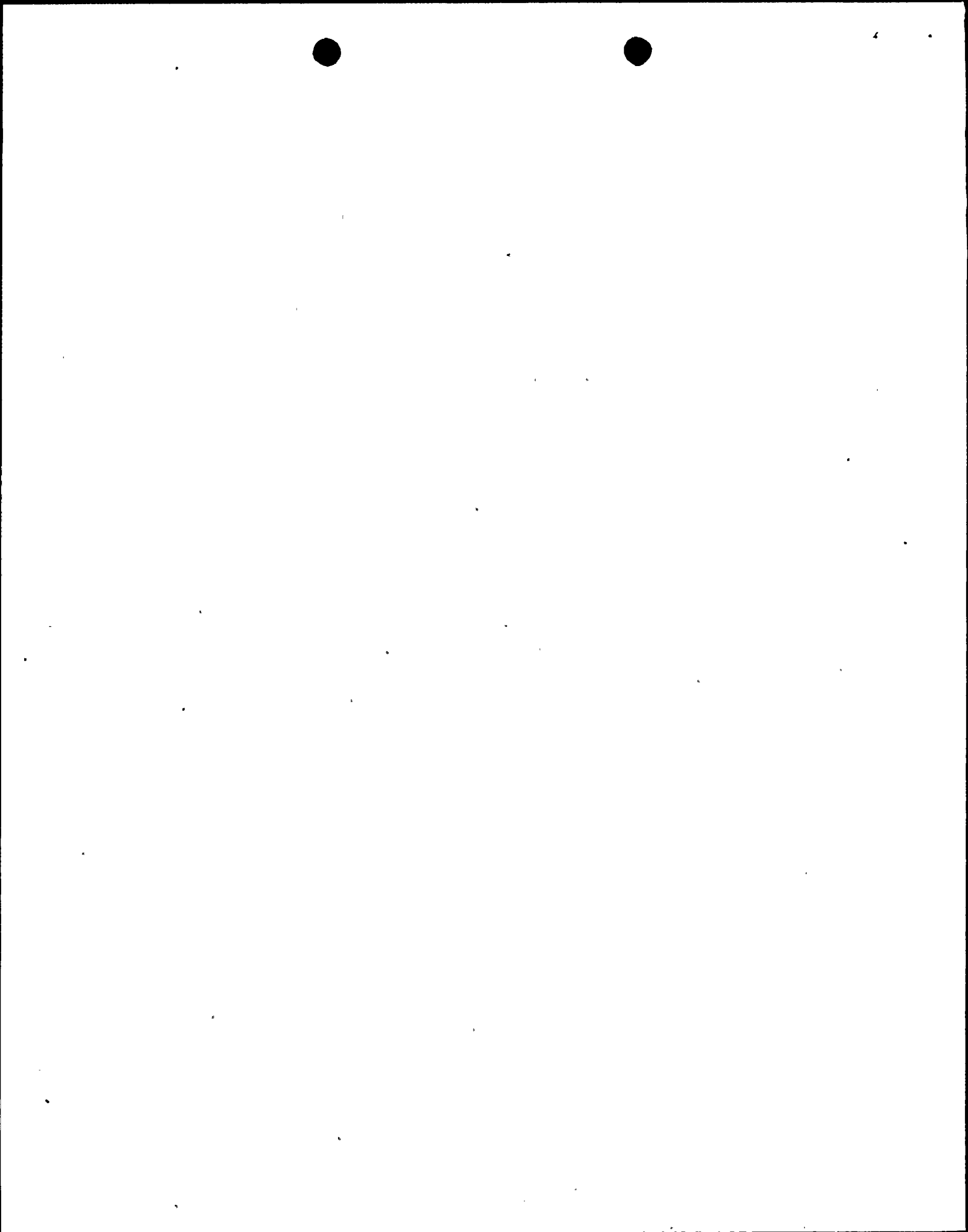


TABLE 3.3-11 (Cont'd).

FIRE DETECTION INSTRUMENTATION

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>		
	<u>SMOKE (IONIZATION)</u>	<u>HEAT (THERMISTOR)</u>	<u>OPTICAL (INFRARED)</u>
6. Auxiliary Building			
Elevation 573 ft. *	5		
Elevation 587 ft. *	42		
Elevation 609 ft. *	22		
Elevation 633 ft. *	31		
Elevation 650 ft. *	26		
Zone 7, 4 Kv Switchgear	3		5
Zone 8, Engineered Safety Switchgear	7		4
Zone 9, CRD Switchgear	6		4
2-HV-AES-1 Charcoal Filters		1	
2-HV-AES-2 Charcoal Filters		1	
12-HV-AFX Charcoal Filters		1	
2-HV-CPR Charcoal Filters		1	
2-HV-CIPX Charcoal Filters		1	
2-HV-ACRF Charcoal Filters		1	
7. Fuel Storage			
New Fuel Storage Room *	3		

*Shared system with D. C. COOK - UNIT 1.



PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

2. By inspection of deluge and preaction type system spray headers to verify their integrity.
 3. By inspection of each open head deluge nozzle to verify no blockage.
- c. At least once per 3 years by performing an air flow test through each open head deluge header and verifying each open head deluge nozzle is unobstructed.

TABLE 3.7-5

SPRAY AND/OR SPRINKLER SYSTEMS

A. OPEN HEAD DELUGE TYPE WATER SYSTEMS

<u>LOCATION</u>	<u>ACTUATION</u>
2-HV-AES-1 Charcoal Filters	Electric-heat
2-HV-AES-2 Charcoal Filters	Electric-heat
12-HV-AFX Charcoal Filters	Electric-heat
2-HV-CPR-1 Charcoal Filters	Electric-heat
2-HV-CIPX-1 Charcoal Filters	Electric-heat
2-HV-ACRF-1 Charcoal Filters	Electric-heat

B. CLOSED HEAD SPRINKLER TYPE WATER SYSTEMS

<u>LOCATION</u>	<u>TYPE SYSTEM</u>	<u>ACTUATION</u>
Auxiliary Bldg. Cask Handling Area*	Preaction Sprinkler	Dry Pilot
Auxiliary Bldg. Drumming Area*	Preaction Sprinkler	Dry Pilot
Auxiliary Bldg. Elev. 587* & 609* (Corridors, charging, safety Inj. pump rooms, laundry area)	Preaction Sprinkler	Dry Pilot
Reactor Coolant Pumps (4)	Preaction Sprinkler	Manual

* Shared system with D. C. COOK - UNIT 1.



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

APR 01 1980

Docket No. 50-316

Mr. John E. Dolan, Vice President
Indiana and Michigan Electric Company
P. O. Box 18 Bowling Green Station
New York, New York 10004

Dear Mr. Dolan:

On March 18, 1980 you provided information by letter which supports our review of your proposed Technical Specification changes to the power peaking limits of the Donald C. Cook Unit No. 2. With this submittal, we find that WCAP-9566 Westinghouse proprietary report is not a necessary basis for our review of your proposed change. Therefore, WCAP 9566 is hereby returned as you requested in your letter dated February 12, 1980.

Sincerely,

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
As stated

cc: See next page

Attachment to be Withheld
from Public Disclosure

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Mr. C. N. Dunn
Duquesne Light Company

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Jay E. Silberg, Esquire
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