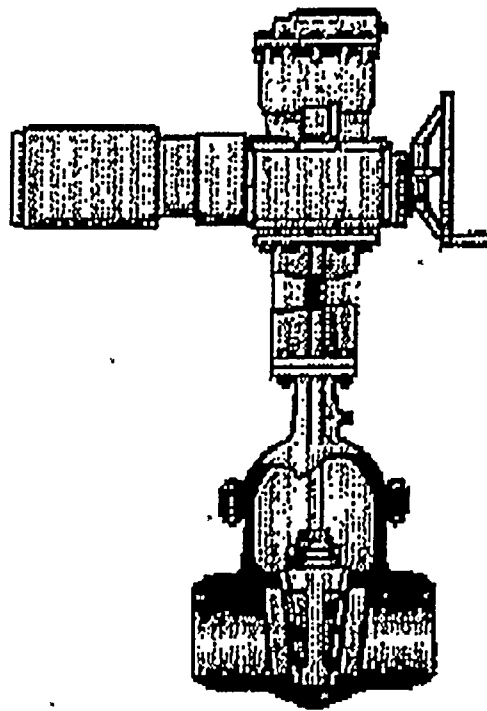


**Valve Inservice Test Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**



**Revision 1
April 3, 1998**

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ATTACHMENT 2 TO AEP:NRC:0969BG
INSERVICE TESTING VALVE PROGRAM - REVISION 1

**Valve Inservice Test Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Revision 1
April 3, 1998

TABLE OF CONTENTS

Program Description

Section 1: Introduction

Section 2: System/Flow Print Cross Reference Table

Section 3: Description of Test Method Codes

Section 4: Augmented Testing Program Description

Attachments

Attachment 1: Comments
Cold Shutdown Justifications
Refueling Justifications
Code Relief Requests

Attachment 2A: Unit 1 Program Plan Tables

Auxiliary Feedwater
Compressed Air
Component Cooling Water
Control Room Ventilation
Containment Spray
Containment Ventilation
Chemical and Volume Control
Containment Waste Disposal
Essential Service Water
Feedwater
Ice Condenser Refrigeration
Makeup and Primary Water
Main Steam
Nuclear Sampling
Non-essential Service Water
Post Accident Sampling
Reactor Coolant
Residual Heat Removal
Spent Fuel Pit
Safety Injection

Augmented Testing Program: Emergency Diesel Generators
Feedwater
Post Accident Sampling

**Valve Inservice Test Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Attachment 2B: Unit 2 Program Plan Tables

Auxiliary Feedwater
Compressed Air
Component Cooling Water
Control Room Ventilation
Containment Spray
Containment Ventilation
Chemical and Volume Control
Containment Waste Disposal
Essential Service Water
Feedwater
Ice Condenser Refrigeration
Makeup and Primary Water
Main Steam
Nuclear Sampling
Non-essential Service Water
Post Accident Sampling
Reactor Coolant
Residual Heat Removal
Spent Fuel Pit
Safety Injection

Augmented Testing Program: Emergency Diesel Generators
 Feedwater
 Post Accident Sampling

Attachment 3A: Unit 1 Flow Diagrams

Attachment 3B: Unit 2 Flow Diagrams

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Section 1 - Introduction

1.1 Valve Testing Program

The valve test program was developed using ASME O&M Standards OM-1 (OM-1987) and OM-10 (OM-1988a) and clarifications contained in NUREG-1482 ("Guidelines for Inservice Testing at Nuclear Power Plants," April 1995) and later editions of ASME OM Part 10 and OM Code-1995 Subsection ISTC. In some instances, specific relief requests are identified in the Program Plan Tables.

This program is applicable for the third 10-year inspection interval that commenced on July 1, 1996.

This program was developed employing the classification guidelines contained in 10 CFR 50.2(v) for Quality Group A and Regulatory Guide 1.26, Revision 3 for Quality Groups B and C. (Quality Group A is the same as ASME Class 1, Group B is 2, and Group C is 3). NRC staff guidance was provided by memorandum dated January 16, 1978. Additionally, NUREG-1482 and Generic Letter 89-04 ("Guidance on Developing Acceptable Inservice Testing Programs," April 1989) guidance and positions were used.

Section 2 identifies the system flow diagrams that were used to develop this valve test program.

1.2 Program Plan Tables

Program Plan Tables contain the following:

System Name: Name of the system (e.g., Main Steam)

Flow Diagram: Unit-Flow Diagram number (e.g., 1-5105B)

Valve Number: Unique valve number (e.g., 1-DCR-310)

Valve Type: One of the following:

- 3-Way (3W)
- Angle (ANG)
- Ball (BALL)
- Butterfly (BTF)
- Check (CHK)
- Diaphragm (DIA)
- Gate (GAT)
- Globe (GLB)
- PORV (power or pilot operated relief valve) (PORV)
- Relief (safety and relief valves) (REL)
- Throttle (THR)
- Vacuum Breaker (VB)

Valve Size: Nominal valve size, in inches.

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Valve Actuator Type: One of the following:

AO	- Air Operated
MAN	- Manual
MO..	- Motor Operated
SA	- Self Actuated (e.g., check or relief valve)
SO	- Solenoid Operated

Valve Position: Position during normal plant operation or during performance of its safety function. For normal plant operation the following are used:

C	- Closed
O	- Open
O/C	- Open/Closed or vice versa
Th	- Throttled to intermediate position(s)

For performance of safety function(s), the following terms, which incorporate valve active/passive status, are used:

c	- Passive closed
C	- Active closed
o	- Passive open
O	- Active open
o/C	- Passive open/active closed
O/c	- Active open/passive closed
O/C	- Active open/active closed

For those valves provided with a fail-safe actuator feature, the following modifiers are applied:

FO	- Fail open
FC	- Fail closed
FS	- Fail safe (3-way valve fails to one position)

Category: Category of valve, either A, B, C, or D, as defined in Paragraph 1.4 of OM-10. [ISTC 1.4] Combinations are possible (e.g., AC).

Test Required: Test required per OM-1/OM-10. [ISTA/ISTC]

Test Performed: Testing that will be performed. Test method codes are explained in Section 3.

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Test Frequency: One of the following:

- 2YR - Every 2 years, normally at refueling outages
- 5YR - Every 5 years, Class 1 and Main Steam relief devices
- 10YR. - Every 10 years, Class 2 and 3 relief devices except Main Steam
- C - Cold shutdown frequency
- Q - Quarterly when system is required operable
- Q/C - Quarterly and cold shutdown testing
- Q/R - Quarterly and refueling outage testing
- R - Refueling outages

*Cold shutdown testing will be performed per OM-10 Paragraphs 4.2.1.2(f), 4.2.1.2(g), 4.3.2.2(f) and 4.3.2.2(g). [ISTC 4.2.2 (f) and (g), 4.5.2 (f) and (g)]

Notes: Whether or not additional information is associated with the valve. One of the following:

- NO - Tested per Code, no comments.
- COM-XX - Tested per Code, with comments.
- CSJ-XX - Cold shutdown justification provided.
- ROJ-XX - Refueling outage justification provided.
- REL-XX- Code relief is requested. Alternative testing is proposed in lieu of that required by the Code for the reasons described in the request.

1.3 Alternative Check Valve Testing

Alternative testing performed on a check valve in accordance with GL 89-04 Attachment 1 Position 2 (disassembly and inspection on a sample basis) is indicated under relief request notes. When disassembly and inspection is performed either under this Position of the Generic Letter, or as allowed by OM-10 Paragraph 4.3.2.4(c) [ISTC 4.5.4], it is accomplished in the following manner:

Disassembly Method The valve bonnet is removed, the disc is manually full-stroke exercised and the valve internals are visually examined. The results of this examination are documented. This will be performed on a refueling outage frequency. Valve grouping for sample disassembly and inspection is in accordance with GL 89-04.

Another alternative that may be employed is as follows:

Radiography The position of the disk and the general condition of the internals will be determined using the radiographic method.

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

1.4 Stroke Time Acceptance Criteria

The following criteria have been used in developing reference values of full-stroke time for electric motor operated valves (MOV) and other power operated valves (POVs):

- Review of valve's design specification and/or manufacturer's test stroke times.
- Review of system response time requirements (Technical Specification, FSAR, etc.)
- Valve's historical stroke time values at various system conditions.

OMa-1988 Part 10 Paragraph 4.2.1.8 [ISTC 4.2.8] will be used for acceptability of stroke time test results. These requirements are summarized in the table below.

POV Type	Reference Value	Criteria	OM-10 Paragraph
MOV	> 10 sec	±15%	4.2.1.8(a) [ISTC 4.2.8 (a)]
Other POV	> 10 sec	±25%	4.2.1.8(b) [ISTC 4.2.8 (b)]
MOV	< 10 sec	±25% or ±1 sec	4.2.1.8(c) [ISTC 4.2.8 (c)]
Other POV	< 10 sec	±50%	4.2.1.8(d) [ISTC 4.2.8 (d)]

- * Per OMa-1988 Part 10 Paragraph 4.2.1.8(e), rapid acting valves, defined as those with stroke times less than 2 seconds, may be exempted from the requirements of 4.2.1.8(c) and 4.2.1.8(d). If this exemption is used, the maximum stroke time will be 2 seconds. [ISTC 4.2.8 (e)]

Should the plus or minus criteria listed above be less restrictive than a required system or component response time from any source, the more restrictive time shall be used as the limiting value. The stroke time limiting values for power operated valves will be controlled via the plant Technical Data Book.

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Section 2 - System/Flow Print Cross Reference Table

System/Description	Flow Print(s)
Auxiliary Feedwater (AFW)	1/2-5106A
Compressed Air (CAS)	12-5120 12-5120B 1/2-5143
Component Cooling Water (CCW)	1/2-5135 1/2-5135A 1/2-5135B
Control Room Ventilation (CRV)	1/2-5149
Containment Spray (CTS)	1/2-5144
Containment Ventilation (CV)	1/2-5147A
Chemical and Volume Control (CVCS)	1/2-5129 1/2-5129A 12-5131
Containment Waste Disposal (CWD)	1/2-5124 12-5137A
Emergency Diesel Generator (EDG)	1/2-5151A 1/2-5151B 1/2-5151C 1/2-5151D
Essential Service Water (ESW)	1/2-5106A 1/2-5113
Feedwater (FW)	1/2-5105D 1/2-5106
Ice Condenser Refrigeration (ICR)	1/2-5146B
Makeup and Primary Water (MPW)	12-5115D
Main Steam (MS)	1-5105 1/2-5105B 1/2-5105D

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

System/Description	Flow Print(s)
Nuclear Sampling (NS)	1/2-5128A 12-5137A 1/2-5141 1/2-5141A
Non-essential Service Water (NSW)	1/2-5114A
Post Accident Sampling (PAS)	1-5120NN 2-5120KK 1/2-5124 12-5141C 1/2-5141D 12-5141F
Reactor Coolant System (RCS)	1/2-5128 1/2-5128A
Residual Heat Removal (RHR)	1/2-5143
Spent Fuel Pit (SFP)	12-5136
Safety Injection (SI)	1/2-5128A 1/2-5129 1/2-5142 1/2-5143

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Section 3 - Description of Test Method Codes

3.1 Exercising of Category A and Category B Valves

- EF-1 Exercise valve (full-stroke) for operability quarterly (3 months) per OMa-1988 Part 10 Paragraph 4.3.2. [ISTC 4.2.1]
- EF-2 Exercise valve (full-stroke) for operability at a cold shutdown frequency or refueling outage frequency as indicated. Cold shutdown justification or refueling outage justification is provided in the corresponding valve notes.
- EF-3 Exercise valve (part-stroke) for operability quarterly; exercise (full-stroke) at a cold shutdown frequency or refueling outage frequency as indicated. Justification for exercising the valve at cold shutdown frequency is provided in the corresponding valve notes. Code relief request is provided if full-stroke test is deferred to coincide with refueling frequency.
- EF-4 Code not used. This note was intentionally deleted.
- EF-5 Observe valve position indicators at least once every 2 years to verify that the valve operation is accurately indicated per OMa-1988 Part 10 Paragraph 4.1. [ISTC 4.1]
- EF-6 Code not used. This note was intentionally deleted.
- EF-7 Exercise valve (with fail-safe actuators) to observe failure mode on loss of actuation power quarterly per OMa-1988 Part 10 Paragraph 4.2.1.6. [ISTC 4.2.6]
- EF-8 Exercise valve (with fail-safe actuators) to observe failure mode on loss of actuation power at a cold shutdown frequency or refueling frequency as indicated. Cold shutdown or refueling outage justification is provided in the corresponding valve notes.
- ET-X Exercise power operated valve (full-stroke) to its safety position and measure time per OMa-1988 Part 10 Paragraph 4.2.1. [ISTC 4.2.1] The stroke time alert and limiting values, including those for rapid acting valves, will be identified and controlled per plant Technical Data Book and plant procedures. The direction of stroke timing is indicated by an O (open), C (closed) or O/C (open and closed) immediately following the test method code.

3.2 Exercising of Category C Valves

- CF-1 Exercise valve (full-stroke) for operability quarterly per OMa-1988 Part 10 Paragraph 4.3.2. [ISTC 4.5.1]
- CF-2 Exercise valve (full-stroke) for operability at a cold shutdown frequency or refueling outage frequency as indicated. Cold shutdown or refueling outage justification is provided in the corresponding valve notes.
- CF-3 Exercise valve quarterly (part-stroke); exercise valve (full-stroke) at the frequency indicated. Justification is provided in the corresponding note.

**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

3.3 Testing of Safety Valves

- SV-1 Perform visual examination, set pressure test, and seat tightness determination at least once every 10 years per OM-1987 Part 1 Section 8. [Appendix I, I 1.3.5]
- SV-2 Perform visual examination, set pressure test, and seat tightness determination at least once every 5 years per OM-1987 Part 1 Section 7. [Appendix I, I 1.3.3]

3.4 Seat Leakage Testing of Valves

- SLT-1 Seat leakage test valve in accordance with requirements of OMa-1988 Part 10 Paragraph 4.2.2.3 [ISTC 4.3.3] at refueling outage frequency but not less than once every two years.
- SLT-2 Containment isolation valves are seat leakage tested in accordance with 10 CFR 50 Appendix J, as referenced in OMa-1988 Part 10 Paragraph 4.2.2.2 [ISTC 4.3.2]. Containment isolation valves which also perform a reactor coolant system pressure isolation function are additionally tested in accordance with OMa-1988 Part 10 Paragraph 4.2.2.3 [ISTC 4.3.3]. For those valves which may be seat leakage tested under 10 CFR 50 Appendix J Option B (performance-based containment isolation valve leak rate testing), local leak rate (Type C) testing may not be performed every refueling outage. In these cases, the test plan tables indicate a "-" under the "Test Frequency" heading.
- SLT-2A In lieu of the requirements of OMa-1988 Part 10 Paragraph 4.2.2.3(c), [ISTC 4.3.3] valves are seat leakage tested as part of the Appendix J containment isolation test by imposing a static head of water on the downstream side of the valve and verifying that the leakage is within the permissible leakage rate for each category valve. This testing method demonstrates that the containment spray and RHR check valve leakage over 30 days is limited to the water resident in the containment spray headers downstream of the check valves. The leakage specified would not deplete the water inventory so as to expose these valves to a post-LOCA environment for a minimum of 30 days in the event that a spray system must be shut down and drained. This testing method is as stated in Response to Question 22.15(5) of the original FSAR Appendix "Q", Amendment 81, dated August 1978.
- SLT-2B Valves in this classification are required to impose a barrier against leakage to the auxiliary building or the RWST during the recirculation phase of safety injection following a LOCA, in order to meet 10CFR100 requirements. An augmented seat leakage test to assure dose rate calculations are not exceeded will be performed as stated in AEP:NRC:1260G3, dated 12/2/97.



**Valve Inservice Testing Program
for
Donald C. Cook Nuclear Plant
Third Ten Year Interval**

Section 4 - Augmented Testing Program

4.1 Scope

The augmented testing program has been developed to provide a mechanism to manage testing of valves which provide an important to safety function but are non-Code (and therefore not specifically delineated in 10 CFR 50.55a) or which are, per guidance contained in NUREG-1482 Section 3.4, considered "skid-mounts" or "component subassemblies."

4.2 Non-Code Valves

As discussed in GL 89-04 Attachment 1 Position 11 ("IST Program Scope"), non-Code components that are necessary for safe operation are to be tested to assure they will perform satisfactorily in service, meeting the intent of 10 CFR 50 Appendix A GDC-1 and Appendix B Criterion XI.

The majority of non-Code, important to safety, valves at Cook Plant are contained in the emergency diesel generator (EDG) system. Other systems with a small population of non-Code, important to safety valves include post accident sampling (PAS) and main feedwater (FW) systems. Treatment of non-Code PAS valves is discussed in NUREG-1482 Section 4.4.2. Inclusion of these valves under an augmented testing program portion of the IST program is consistent with NRC recommendations.

The augmented testing program table identifies the Technical Specification Surveillance, plant procedure, or plant program under which a given component is tested.

4.3 Skid-Mounts and Component Subassemblies

NUREG-1482 Section 3.4, "Skid-Mounted Components and Component Subassemblies," contains discussion and NRC recommendations regarding Code and non-Code skid-mounted and component subassemblies. During development of this program the EDGs, centrifugal charging pump (CCP) external lube oil system and safety injection pump (SIP) external lube oil system were considered as skid-mounts. Under "NRC Recommendation" in Section 3.4, it is stated that "...the staff has determined that the testing of the major component is an acceptable means of verifying the operational readiness of the skid-mounted and component subassemblies if the licensee documents this approach in the IST Program." The augmented testing program table, which identifies the Technical Specification Surveillance(s) under which a given component is tested (as part of the major component) documents use of this NRC recommendation.

For the CCPs and SIPs, unique tags are not associated with the various valves contained in the lube oil systems and they do not appear in the attached tables. The operational readiness of these valves is verified via performance of Technical Specification Surveillance 4.1.2.4 and 4.5.2(f).



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Comments

<u>Note ID</u>	<u>Note</u>
COM-01	FW-149, -150: The required full stroking of these check valves is satisfied when the Turbine Driven Auxiliary Feedpump completes its required testing.
COM-02	CMO-411, -412, -413, -414, -415, -416: These valves remain open during initial safety injection, but are closed during recirculation phase or passive failure. Therefore, the valve time will be recorded from open to closed position.
COM-03	QRV-400: Open testing will be performed to enable use as an alternative boration flow path.
COM-04	1-CS-415-1, 1-CS-415-2 (Unit 1) or 2-CS-415-3, 2-CS-415-4 (Unit 2): The closed safety function of these valves will be demonstrated by quarterly exercising/closed verification. Should the opposite boric acid transfer pump be unavailable, closed position testing will be deferred until the opposite pump is returned to service, and will be performed as soon as practical thereafter.
COM-05	1-ESW-101E, W (Unit 1) or 2-ESW-102E, W (Unit 2): Testing of the backflow checking function cannot be performed if the opposite unit's ESW System is not available. Should the opposite unit's ESW System not be available when testing of this valve's backflow checking function is required, the testing will be deferred until the opposite unit's ESW System is returned to service, and will be performed as soon as practical thereafter.
COM-06	VRV-315, -325: These thermostatically controlled valves are located at the outlet of the control room air conditioner water pump. These three-way valves function to modulate water flow through the air handler package based on cooling requirements. These valves are in regular use and are normally in an intermediate position based on the control room cooling load. These valves cannot be full-stroke exercised because there is no provision to fully close the valves. The valves will be part-stroke exercised from an intermediate position in conjunction with fail safe testing on a quarterly basis. These valves are demonstrated operable during normal control room air conditioning operation. The valves cannot be stroke timed because they are not equipped with a position indicator and the stroke times are not repeatable.
COM-07	1/2-CCW-176E, W: The closed safety function of these valves will be demonstrated by quarterly exercising/closed verification. Should the opposite CCW pump be unavailable, closed position testing will be deferred until the opposite pump is returned to service, and will be performed as soon as practical thereafter.
COM-08	12-FW-170: This valve is the discharge check valve for the installed spare component cooling water pump which is not normally in service and is isolated from CCW by closed manual valves CCW-172, -173. Per OMA-1988 Paragraph 4.3.2.5, a testing schedule need not be followed. If the spare pump is brought into service, this valve will be tested prior to placing the spare pump in an operable status in accordance with Paragraph 4.3.2.5.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Cold Shutdown Justifications

Note ID	Note
CSJ-01	FW-132-1, -2, -3, -4: These auxiliary feedwater check valves function to supply AFW to the steam generators when the AFW System is caused to operate. These check valves cannot be full- or part-stroke exercised during power operation without energizing the AFW System and delivering cold water to the steam generators. This would result in thermal shock to the steam generator nozzles. These valves are full-stroke exercised during startup.
CSJ-02	FW-134, -135: These valves are located on the suction and discharge lines of the turbine driven auxiliary feedpump. The maximum flow rate through the turbine driven auxiliary feedpump during IST is approximately 700 gpm using the pump test line. Passing the design flow of 900 gpm through these valves would require delivering cold auxiliary feedwater to the steam generators. This would result in thermal shock to the steam generator nozzles. The valves will be part-stroke exercised quarterly and full-stroke exercised (passing design flow of 900 gpm through the valves) at cold shutdown frequency.
CSJ-03	FW-138-1, -2, -3, -4: These AFW check valves function to supply AFW to the steam generators when the AFW System is caused to operate. The valves cannot be full-or part-stroke exercised during power operation without energizing the AFW System and delivering cold water to the steam generators. This would result in thermal shock to the steam generator nozzles. These valves are full-stroke exercised when the plant is returned to power after cold shutdown.
CSJ-04	XCR-100, -101, -102, -103: These air operated containment isolation valves are located in the control air supply lines to the containment. These valves cannot be full-stroke tested during power operation without causing a loss of containment control air. Testing of these valves can potentially cause: 1) disruption of air flow to air operated valves in the containment; as a result, they would go to their fail safe position, e.g., close position for containment isolation valves, 2) systems from performing their design function, i.e., termination of system flow and change in RCS pressure and temperature, and 3) challenge to system safeguard protection which may result in a unit trip. The valves will be full-stroke exercised and timed at cold shutdown frequency.
CSJ-05	CCR-455, -456, -457: These valves are the component cooling water isolation valves for the reactor support coolers. The valves cannot be tested at power operation without securing cooling water to reactor support coolers which could cause overheating of the concrete around the reactor supports. The valves will be full-stroke tested and timed at cold shutdown frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Cold Shutdown Justifications

<u>Note ID</u>	<u>Note</u>
CSJ-06	CTS-109, -110: These check valves function as vacuum breakers for the spray additive tank. These valves are closed during normal plant operation to maintain the tank pressurized. Since there is no set pressure specified, verifying freedom of movement with no noticeable resistance assures the valves will open shortly after pressure reversal at the onset of vacuum in the tank and reclose upon tank repressurization. There is no seat leakage criteria associated with these valves since nitrogen leakage does not compromise safety function. The closed function of the valves is to prevent humidity from entering the tank, condensing and diluting the sodium hydroxide. Since nitrogen supply is regulated at 5 psig, the pressure within the tank prevents in-leakage. The valves will be verified closed quarterly during power operation and will be verified open at a cold shutdown frequency.
CSJ-07	QRV-111, -112: These valves are in the normal letdown line (Reactor Coolant System Loop 4 to CVCS Regenerative Heat Exchanger). They cannot be tested at power as the resulting letdown/charging flow mismatch would cause Pressurizer level oscillations and possible reactor trip. These valves will be full-stroke tested, timed and fail-safe tested at cold shutdown frequency.
CSJ-08	Not assigned in Revision 1
CSJ-09	QCR-300, -301: These air operated containment isolation valves are located on the letdown line. Exercising these valves during power operation would result in letdown isolation which could result in a loss of pressurizer level control which could cause a reactor trip. These valves will be full-stroke exercised, timed, and fail safe tested at a cold shutdown frequency.
CSJ-10	QMO-200, -201: These valves are installed on the CVCS charging line which provides borated water for RCS chemical shim control and reactor coolant system makeup. Isolation of this system would result in loss of pressurizer level control which could cause a reactor trip. These valves will be full-stroke exercised and timed at a cold shutdown frequency.
CSJ-11	QMO-451, -452: These valves function as volume control tank isolation valves. Exercising these valves during power operation would result in letdown isolation which could result in a loss of pressurizer level control which could cause a reactor trip. These valves will be full-stroke exercised and timed at a cold shutdown frequency.
CSJ-12	1-CS-427N, 2-CS-427S: This valve is located in the emergency boration flow path. The valve cannot be tested during power without inserting large negative reactivity which would result in a unit shutdown. The valve will be full-stroke exercised at cold shutdown frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Cold Shutdown Justifications

<u>Note ID</u>	<u>Note</u>
CSJ-13	ECR-36: This valve is located in the common sample return line of the lower containment radiation monitors. It cannot be part- or full-stroke exercised during power operation or refueling because closure would isolate both radiation monitors, which are required to be operable (per T/S Table 3.3-6) during Modes 1 through 4 and Mode 6. The valve will be full-stroke exercised at a cold shutdown frequency.
CSJ-14	1-ESW-109, -115, -243 (Unit 1) or 2-ESW-145, -240, -243 (Unit 2): These valves are normally closed and are required to open when the condensate storage tank is exhausted. Exercising these valves during power operation could cause lake water contamination of the steam generators. Lake water chemistry can potentially impact steam generator tube integrity. Therefore, the valves will be full-stroke tested at a cold shutdown frequency.
CSJ-15	Not assigned in final document.
CSJ-16	MS-108-2, -3: These check valves are located in the main steam supply lines to the Auxiliary Feedwater Pump Turbine. These valves are part-stroke tested during turbine driven auxiliary feedwater pump testing at least on a quarterly basis at approximately 700 gpm. Flow is restricted to a maximum of approximately 700 gpm through the 3-inch test line used during pump testing. These valves are "nozzle" check valves which are equipped with an exercising port on the upstream side of the disc. Due to the personnel hazard associated with removing the inspection plug at power (live steam in line), both valves will be full-stroke exercised at cold shutdown frequency (port plug removed, disc exercised to full open position and allowed to return to full closed position).
CSJ-17	MRV-210, -220, -230, -240: These steam generator stop valves cannot be full-stroke exercised during power operation because this would require securing steam from a steam generator which could result in a reactor trip. Three loop operation is not allowed per Technical Specification 3.4.1.1. The valves will be part stroke exercised quarterly by use of hydraulics attached to the valve operators and full-stroke exercised during hot standby (Mode 3 with RCS temperature less than or equal to 541°F) at cold shutdown frequency.
CSJ-18	NRV-151, -152, -153: These pressurizer power operated relief valves are normally closed during power operation. The valves cannot be exercised at power without initiating a RCS pressure transient which could result in a reactor trip. The valves will be full-stroke exercised and timed at cold shutdown frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Cold Shutdown Justifications

Note ID	Note
CSJ-19	NSO-021, -022, -023, -024 and NSO -061, -062, -063, -064: These solenoid operated isolation valves are installed (two in each leg in series) in the reactor head vent (02x series) and the pressurizer vent (06x series). These valves cannot be tested during power operation, hot standby, or hot shutdown since the valve design is such that testing of either valve can cause momentary opening of the second valve, resulting in the release of radioactive fluid creating an airborne condition in containment. The valves will be full-stroke exercised and timed at cold shutdown frequency. (Comment: The valve stem cannot be observed for movement since the stem of each valve is completely enclosed. Remote position indication will be verified during refueling outages by the performance of a flow test. This method of testing is consistent with Technical Specification Requirements.)
CSJ-20	RH-108E,W: These valves cannot be full-stroke exercised quarterly since the RHR pumps cannot develop full head on the minimum flow recirculation circuit with the reactor coolant system at full temperature and pressure. The valves will be part-stroke exercised quarterly and full-stroke exercised at cold shutdown frequency (during RHR operation).
CSJ-21	IMO-261: This valve is the suction isolation valve for both high head safety injection pumps from the refueling water storage tank. The valve cannot be tested when the safety injection pumps are required to be operable as the testing would result in isolation of the common suction line, rendering the safety injection system inoperable. This valve will be stroke tested and timed at a cold shutdown frequency when the SI pumps are not required to be operable.
CSJ-22	IMO-262, -263: These valves are located in series in the recirculation line of the safety injection pumps. Exercising either of the valves would render both safety injection pumps inoperable. The valves will be stroke tested and timed at a cold shutdown frequency when the SI pumps are not required to be operable.
CSJ-23	IMO-315, -325: These valves are normally closed valves located in the residual heat removal and safety injection supply header to the reactor coolant system hot legs. The valves should not be exercised during power operation because failure in a non-conservative position would result in less than the minimum number of injection flow paths as required by the FSAR. The valves will be full-stroke tested and timed at a cold shutdown frequency.
CSJ-24	IMO-316, -326: These valves are normally open valves located in the residual heat removal and safety injection supply header to the reactor coolant system hot legs. The valves should not be exercised during power operation because failure in a non-conservative position would result in less than the minimum number of infection flow paths as required by the FSAR. The valves will be full-stroke tested and timed at a cold shutdown frequency.
CSJ-25	Not assigned in Revision 1.



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Cold Shutdown Justifications

<u>Note ID</u>	<u>Note</u>
CSJ-26	IMO-340, -350: These valves are located in the east and west RHR discharge headers to the suction of the charging (IMO-340) and SI (IMO-350) pumps. These valves are normally closed during power operation, and would be opened during the recirculation phase of a LOCA to allow the RHR pumps to provide water from the containment sump to the charging and SI pumps. These valves cannot be full-stroke exercised during power operation because they are interlocked with valves IMO-262, -263, located in series, in the SI pump mini flow line to the RWST. Closing IMO-262, -263 would render both SI pumps inoperable and placing the unit in T/S 3.0.3 which allows one hour to restore the SI pumps to operable status or begin unit shutdown. The complicated valve and equipment lineup to perform the valve testing in one hour is highly unlikely. Therefore, the valves will be full-stroke exercised and timed on a cold shutdown frequency. (For additional details refer to Code Relief granted by NRC dated 1/30/89, AEP:NRC:09690.)

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Code Relief Requests

Note ID	Note
REL-01	MRV-213, -223,-233, -243: These power operated relief valves act to prevent inadvertant lifting of the steam generator safety valves. These valves are designed to fail closed on loss of control air, but are not provided with means to individually vent air from the valves. Each valve is provided with hand-auto stations for valve setpoint adjustment. The PORV controllers modulate their respective valves based on the input error signal generated by comparison of actual steam generator pressure and the operator adjusted setpoint. Stroke time is not repeatable since it depends on hand-auto station setting, actual pressure conditions and signal processing time. Due to the design of these valves, relief is requested from the testing requirements of OMa-1988 Paragraphs 4.2.1.4 (stroke timing) and 4.2.1.6 (fail-safe testing) as this testing is impractical for this valve design. The valves will be exercised quarterly under local observation to assure smooth operation and lack of apparent problems which could affect valve operation.
REL-02	CCW-224-1, -2, -3, -4 and CCW-225-1, -2, -3, -4: These check valves are upstream of the reactor coolant pump thermal barrier heat exchanger (one valve from each group in series for each loop). The valves cannot be tested during reactor coolant pump operation without securing component cooling water flow to the thermal barrier heat exchanger, which could cause reactor coolant pump failure. There is no method to establish reverse flow for closure testing and no instrumentation upstream or downstream to measure successful closure. The valves will be disassembled, manually full-stroke exercised and visually examined on a sampling basis (two of eight), per GL 89-04 Attachment 1 Position 2, at refueling frequency such that all valves will be examined no less frequently than once every fourth refueling outage.
REL-03	CRV-470: This air operated valve is used to regulate component cooling water to the letdown heat exchanger. The valve is normally in service during power operation. The valve is controlled by an auto/manual station with auto input from the letdown heat exchanger outlet temperature sensor. The valve also trips closed from a safety injection signal via a solenoid valve. The valve will be full-stroke exercised quarterly using the auto/manual station which will permit rapid cycling and result in minimal impact on letdown temperature. Meaningful stroke time data is not available since this valve does not have local or remote position indication. The valve will be fail safe tested to its closed position at cold shutdown frequency with letdown flow out of service to avoid high letdown line temperatures that could cause flashing of the letdown heat exchanger and lifting of safety valves.
REL-04	Renumbered as a Refueling Outage Justification ROJ-23 per Safety Evaluation Report dated 5/27/97.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Code Relief Requests

Note ID	Note
REL-05	CTS-103E, W, CTS-138E,W: CTS-103 E&W are check valves located in the discharge lines of containment spray pumps to the spray ring headers in the containment. CTS-138 E&W are check valves located in the lines that supply water from the RWST to the containment spray pumps. These valves cannot be full-stroke exercised during power operation, cold shutdown or refueling without spraying the containment. The valves are part-stroke exercised during containment spray pump testing on a quarterly basis. The only practical method to verify full-stroke is by disassembly. The valves are not equipped with position indicators. The valves will be disassembled, manually full-stroke exercised and visually examined on a sampling basis (one of two in each pair), per GL 89-04 Attachment 1 Position 2, on a frequency of once every other refueling outage.
REL-06	CTS-127E, W, CTS-131E, W, RH-141, -142: These check valves are located in the supply lines to the (CTS-127 E&W - lower compartment, CTS-131 E&W, RH-141 and RH-142 - upper compartment) containment spray ring headers. These valves are in the closed position during normal plant operation. They perform an open safety function when containment spray is active (passing flow to the ring headers) and a subsequent closed safety function if containment spray is suspended. The valves are exposed to containment atmosphere on the downstream side and are isolated from fluid pressure on the upstream side by closed motor operated valves. The valves cannot be part- or full-stroke exercised during power operation, cold shutdown or refueling without spraying containment. The only practical method to verify full-stroke is by disassembly. The valves are not equipped with position indicators. The valves will be disassembled, manually full-stroke exercised and visually examined on a sampling basis (one of two in each pair), per GL 89-04 Attachment 1 Position 2, on a frequency of once every other refueling outage.
REL-07	QRV-251: This air operated valve is used to regulate charging header flow to the reactor coolant system and seal water flow to the reactor coolant pump seals. The valve cannot be full-stroke exercised at power operation because it would interrupt the RCP seal injection flow and would also upset pressurizer level. The valve has no local or remote position indicator and meaningful stroke times are not achievable. This valve will be part-stroke exercised during power operation and full-stroke exercised at a cold shutdown frequency if the reactor coolant pumps are stopped. The control scheme of this valve functions to remove air from the valve operator, which duplicates the fail-safe condition, resulting in the valve going to fail-safe open position. Therefore, the alternative testing will consist of locally observing the valve during full-stroke testing for smooth operation and apparent problems which can affect the valve operation.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Code Relief Requests

Note ID	Note
REL-08	FW-118-1, -2, -3, & -4: These check valves open during power operation to pass main feedwater flow to the steam generators. The valves close to isolate the feedwater headers on a loss of main feedwater flow, and to prevent diversion of auxiliary feedwater flow. The valves cannot be exercised during power operation because this would require securing feedwater flow to the steam generators. Main feedwater to the steam generators cannot be isolated on a loop basis because three loop operation is not allowed per Technical Specification 3.4.1.1. Backflow cannot be quantified at cold shutdown due to system configuration. The only practical method to verify valve closure is by disassembly. Due to the size, and weight of the valve and the close proximity to physical barriers (whip restraints); valve disassembly at cold shutdown would impose constraints on the manpower and scheduling that may delay essential cold shutdown related activities and plant start-up. There has been no operational or maintenance adverse trend noted. Therefore, the valves will be partially disassembled and verified closed on a sampling basis (one of four) at a refueling outage frequency.
REL-09	Renumbered as a Refueling Outage Justification ROJ-24 per Safety Evaluation Report dated 5/27/97.
REL-10	SI-166-1.-2, -3, -4: These valves function to prevent backflow from the reactor coolant system into the accumulators during normal operation. The valves function to supply flow from the accumulators to the reactor coolant system during an accident condition. The valves cannot be exercised at power operation because the accumulators do not have sufficient head to overcome reactor coolant system pressure. The valves cannot be exercised during cold shutdown because this would result in a possible low temperature overpressurization of the reactor. Full-stroke testing during refueling outages is not possible because the resulting water surge into the reactor and the potential for high airborne contamination. The valves will be disassembled, manually full-stroke exercised and visually examined on a sampling basis (one of four) at refueling frequency per GL 89-04 Attachment 1 Position 2.
REL-11	SI-170L1, L2, L3, L4: These check valves are located in the reactor coolant system cold leg, loops 1 through 4, injection lines from the accumulators, residual heat removal and safety injection systems. They cannot be exercised during power operation because the pumps in these systems do not develop sufficient head to overcome reactor coolant system pressure. The valves will be part-stroke exercised at cold shutdown frequency. The valves are sized such that full-stroke testing cannot be attained without discharging the accumulators and operating safety injection and residual heat removal pumps simultaneously. The valves will be disassembled, manually full-stroke exercised and visually examined on a sampling basis (one of four) at refueling frequency per GL 89-04 Attachment 1 Position 2.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Code Relief Requests

<u>Note ID</u>	<u>Note</u>
REL-12	SI-189: This valve is located in the safety valves discharge (emergency core cooling, residual heat removal, centrifugal charging pump, etc.) collection header leading to the pressurizer relief tank. Isolating this valve for testing would result in dead heading all safety valves in the above systems. This would result in loss of overpressurization protection and could put the plant in an unsafe condition. Therefore, the valve will be part-stroke exercised to open position using external source via test connection at a cold shutdown frequency. The valve will be disassembled, manually full-stroke exercised and visually examined at a refueling frequency.
REL-13	CS-328L1, L4, CS-329L1, L4: These check valves function to provide the interface point between the RCS and the CVCS. Since the discharge piping of the CVCS is designed to a pressure rating higher than the RCS, these valves do not perform a pressure isolation function. The high pressure to low pressure isolation is accomplished by other valves which are tested to Category A requirements. These 3-inch bolted bonnet swing check valves have no external position indication or means of exercising, and are located inside the crane wall in reactor containment. There is no upstream instrumentation that can be used to show that the valves return to the fully closed position after exercising. Per GL 89-04 Attachment 1 Position 2, the valves will be disassembled and inspected on a sample basis (1 of 4) each refueling outage.
REL-14	Renumbered as a Refueling Outage Justification ROJ-25 per Safety Evaluation Report dated 5/27/97.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justifications

<u>Note ID</u>	<u>Note</u>
ROJ-01	N-102: This check valve is located in the nitrogen supply header to the accumulators for blanketing. The valve cannot be full-stroke tested to the closed position during power operation or cold shutdown since the only method available to verify the valve closure is leak testing. The valve and necessary test connections are located inside the containment. The valve is not equipped with a position indicator. The valve will be verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-02	CCW-243-25, -243-72, CCW-244-25, -244-72: These check valves are located in the penetration cooling supply headers of the component cooling water system inside containment. The valves cannot be tested during power operation or cold shutdown since cooling must be maintained to the main steam penetrations. These valves are not equipped with external position indication. The valves will be confirmed closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-03	CS-292: This valve is in the emergency boration path from the boric acid system to the charging pump suction header. Flow through this path is provided at power only when necessary to add negative reactivity. This valve will be full-stroke exercised in the open position at a cold shutdown frequency. The check valve is not equipped with position indication. The only methods available to verify valve closure is either by non-intrusive means (radiography or other), or by disassembly, one which will be performed at a refueling frequency when the system is not required to be operable.
ROJ-04	CS-299E, W: These check valves located on the discharge lines of the East and West charging pumps function as pressure isolation valves to protect the low pressure charging pump suction lines. These valves cannot be full-stroke exercised during power operation because the charging pumps cannot achieve maximum flow rate with the reactor at full pressure or during cold shutdown because the required flow could cause a low temperature overpressure condition. The valves will be part-stroke exercised quarterly to the open position and full-stroke exercised at refueling frequency.
ROJ-05	CS-321: This containment isolation check valve functions to supply borated water from the volume control tank to the regenerative heat exchanger through the charging pumps for chemical shim control and reactor coolant makeup. The valve is located inside containment and is inaccessible during reactor operation. Isolation of this system would result in loss of control of pressurizer level which could result in a reactor trip. This valve is tested in the open direction quarterly and is confirmed closed in conjunction with Appendix J testing during refueling outages.
ROJ-06	N-160: This containment isolation check valve is located in the Nitrogen Supply line to the Reactor Coolant Drain Tank. This valve cannot be part- or full-stroke exercised due to insufficient differential pressure to back seat the valve during power operation or cold shutdown. The only method available to verify valve closure is leak testing. The valve will be verified closed in conjunction with Appendix J testing during refueling outages.



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justifications

<u>Note ID</u>	<u>Note</u>
ROJ-07	1-ESW-111, -112, -113, -114 (Unit 1) or 2-ESW-141, -142, -143, -144 (Unit 2): These check valves open to provide cooling water to various Emergency Diesel Generator loads. In addition, these valves close to prevent back flow into the opposite ESW train header. The open safety function will be tested in accordance with the Code. The closed safety function cannot be tested in accordance with the Code since there are no external position indicators associated with the valves and no instrumentation or taps available at the valve to determine positive closure. In order to determine valve closure an entire ESW header and safety train, including both Emergency Diesel Generators, must be removed from service. These valves cannot be tested at cold shutdown frequency because ESW is at its highest load demand (RHR operating) at this time and cannot be removed from service. The closed safety function will be verified by disassembly (attempts to perform non-intrusive evaluation did not yield meaningful results) at refueling frequency.
ROJ-08	R-156, -157: These check valves are installed in parallel lines to the glycol main supply and return lines to relieve glycol thermal expansion. These valves and necessary test connections are located inside containment. The only method available to verify valve closure is leak testing. The valves will be full-stroke exercised in the open direction quarterly and verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-09	CS-442-1, -2, -3, -4: These containment isolation check valves are located on the seal water supply line to the reactor coolant pumps. They have a closed safety function to provide for containment isolation and an open safety function to provide a backup reactor coolant system boration flowpath. The valves cannot be part- or full-stroke exercised to the closed position during power operation because cooling flow is required to the reactor coolant pump seals. During cold shutdown, seal water must be maintained to prevent backflow through the seals with possible seal damage from contaminants in the reactor coolant. Part-stroke flow through the check valves will be observed and recorded quarterly. The valves will be full-stroke exercised in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-10	N-159, PW-275: These containment isolation check valves are located in the nitrogen (N-159) and primary water (PW-275) supply lines to the pressurizer relief tank. The valves cannot be full-stroke tested to the closed position due to lack of sufficient differential pressure to back seat the valve. The valves and necessary test connections are located inside the containment. The only method available to verify valve closure is leak testing. The valve will be verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justifications

Note ID	Note
ROJ-11	SI-110N, S and SI-152N, S: These safety injection pump discharge valves cannot be exercised during power operation because the safety injection pumps cannot overcome reactor coolant system pressure. Since the minimum flow recirculation lines branch off upstream of these valves, no flow path exists to part-stroke test the valves during pump testing. These valves cannot be exercised during cold shutdown because the safety injection pumps are required to be inoperable by Technical Specification 3/4.5.3 to protect against low temperature overpressurization of the reactor. These valves will be full-stroke exercised at refueling frequency.
ROJ-12	SI-142L1, L2, L3, L4: These valves are located in the supply lines from the Boron Injection Tank to the reactor coolant cold legs (Loop 1 through 4). The valves cannot be part- or full-stroke exercised during power operation or cold shutdown because this would require injection relatively cold refueling water storage tank water with a higher boric acid concentration into the reactor coolant system, affecting reactivity and reactor coolant system inventory. The valves will be full-stroke exercised at refueling frequency.
ROJ-13	SI-148: This valve is located in the refueling water storage tank supply line to the residual heat removal system. The design flow through the valve is 6000 gpm. Flow to the core is not possible when the reactor coolant system pressure is above the shut-off pressure of the residual heat removal pumps (195 psig). In order to full-stroke exercise this valve, both residual heat removal pumps must be operated and the residual heat removal system manually aligned to recirculate flow back to the refueling water storage tank. This configuration makes both residual heat removal trains inoperable since neither train can provide design flow to the core. In order to preclude placing the unit in an unsafe condition, a part-stroke test is performed quarterly. The valve cannot be full-stroke exercised during cold shutdown because the reactor coolant system cannot accommodate the introduction of 6000 gpm from the residual heat removal system. Manual alignment to the refueling water storage tank cannot be performed because the residual heat removal system is required to be operable for reactor coolant system temperature control. The valve will be full-stroke exercised when the reactor vessel head is removed, the core is offloaded and sufficient volume exists.
ROJ-14	SI-158L1, L2, L3, L4, SI-161L1, L2, L3, L4: These valves are located in the supply lines from the Residual Heat Removal and Safety Injection Pumps to the reactor coolant system hot legs (SI-158 series) and cold legs (SI-161 series) loops 1 through 4. The valves cannot be exercised during power operation because the residual heat removal pumps and the safety injection pumps do not develop sufficient head to overcome reactor coolant system pressure. Full-stroke of the valves individually cannot be verified at cold shutdown frequency because flow instrumentation is not available downstream of the flow split. The valves will be part-stroke exercised at cold shutdown frequency. Full-stroke will be verified using portable instrumentation at refueling frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justifications

Note ID	Note
ROJ-15	SI-185: This valve has an active safety function in the open position to provide suction for the centrifugal charging pumps from the refueling water storage tank for emergency core cooling and an active safety function in the closed position to prevent diversion of injection flow when the emergency core cooling systems are operating in the recirculation phase of safety injection following a loss of coolant accident. Exercising the valve open cannot be accomplished during power operation without introducing a high concentration of boric acid into the reactor coolant system. Exercising the valve at cold shutdown cannot be accomplished because the only full flow path available is into the reactor coolant system, which does not have sufficient volume to accommodate that flow without a possible low temperature overpressure condition. This valve is normally closed. Exercising the valve to the closed position requires that it first be opened, which cannot be accomplished for the above reasons. The valve will be full-stroke exercised at refueling frequency.
ROJ-16	1-PA-343 (Unit 1) or 2-PA-342 (Unit 2): This check valve is located in the maintenance air supply line into the containment. The valve cannot be tested during power operation or cold shutdown because: 1) this line is isolated by removing a spool piece and inserting a blind flange, and 2) the valve and test connections are located inside the containment. The valve is not equipped with a position indicator. The only method available to verify the valve closure is leak testing. The valve will be verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-17	CCW-135: This valve is the component cooling water check valve for the reactor support coolers. The valve cannot be tested at power operation without securing cooling water to reactor support coolers which could cause overheating and damage of the concrete around the reactor supports. The valve will be verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-18	SM-1: This containment isolation check valve is located on the containment radiation monitor's sample return and cannot be full or part stroke exercised during power operation because these monitors are required to be operable in Modes 1, 2, 3, 4, and 6 (during fuel movement). The line is open-ended inside containment. The valve will be verified closed in conjunction with Appendix J seat leakage testing at refueling frequency.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justifications

<u>Note ID</u>	<u>Note</u>
ROJ-19	SI-101: This valve is the common suction check valve for the safety injection pumps. The valve cannot be full-stroke exercised at power as the safety injection pumps cannot overcome reactor coolant system pressure and full opening of the valve cannot be achieved with the safety injection pumps operating on minimum flow paths. The valve is part-stroke exercised open at power operation during pump testing and full-stroke exercised at refueling frequency. The closure capability of the valve cannot be determined by flow or differential pressure measurements since instrumentation is not available and establishment of test conditions would isolate both SI pumps from their suction source and enter the unit in T/S 3/4.5.2. The valve cannot be exercised during cold shutdown because the safety injection pumps are required to be inoperable by Technical Specification 3/4.5.3 to protect against low temperature overpressurization of the reactor. The closure capability of the valve will be verified at a refueling outage frequency.
ROJ-20	CS-325: This 2-inch check valve is in the CVCS auxiliary pressurizer spray line. The valve is not provided with external position indication, nor does instrumentation exist to test the closed safety function of these check valves quarterly or at cold shutdown frequency. Therefore operability will be assured via alternative means provided by OMA-1988 Part 10 Paragraph 4.3.2.4(c) (disassembly and inspection at refueling frequency).
ROJ-21	QCM-250, -350: These motor operated valves provide isolation capability for reactor coolant pump seal water return to the volume control tank. These valves cannot be exercised during power operation or when the reactor coolant pumps are running as testing would interrupt seal water flow which could cause damage to the pump seals. These valves will be full-stroke exercised and timed at a cold shutdown frequency if the reactor coolant pumps are stopped. As a minimum, the valves will be full stroke exercised and timed at a refueling frequency.
ROJ-22	SI-151E, W: These check valves are located in the residual heat removal supply lines to either the hot or cold legs. The valves cannot be exercised during power operation because the residual heat removal pumps do not develop sufficient head to overcome reactor coolant system pressure. The valves will be exercised at cold shutdown frequency if the reactor coolant pumps are stopped. As a minimum, the valves will be full stroke exercised at a refueling frequency.
ROJ-23	CCM-451, -452, -453, -454, -458, -459: These valves are the component cooling water downstream isolation valves for the reactor coolant pump thermal barriers and motor oil coolers. They cannot be tested during power operation without securing cooling water to the reactor coolant pumps which could cause failure of the pumps. The valves will be full-stroke tested and timed at cold shutdown frequency if the reactor coolant pumps are stopped.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 1
Refueling Outage Justification

<u>Note ID</u>	<u>Note</u>
ROJ-24	NS-283, -357: These containment isolation check valves are located on return lines of the post accident sampling system inside containment. The lines are open-ended inside containment. The valves will be full-stroke exercised in the open position quarterly by performing flow tests and will be confirmed closed in conjunction with Appendix J seat leakage testing at refueling frequency.
ROJ-25	CS-295: This normally open check valve is located in the volume control tank discharge to charging pump suction header and is downstream of the Reactor Coolant Pump seal water return branch connection. Under certain conditions (see Westinghouse NSAL-92-012), this valve may perform an important to safety function during the recirculation phase of a LOCA by closing to prevent leakage of significant amounts of containment sump water back through the seal water heat exchanger circuit, ultimately preventing a leakage path outside of containment. Exercising the valve closed during normal plant operation would require securing the charging pumps which would interrupt charging/letdown flow as well as RCP seal injection. Loss of charging could result in loss of pressurizer level control followed by a reactor trip. Testing this valve would require termination of seal injection flow. Seal injection flow is maintained continuously to cool and lubricate the RCP seals, and to prevent contaminants in the RCS from coming into contact with (and potentially damaging) the RCP seals and pump bearing. This valve has been disassembled and inspected under the SOER 86-03 Check Valve PM Program with no degradations found. This valve will be exercised in accordance with OM-10 Paragraph 4.3.2.4 at refueling frequency, and closed position verified by radiography or other non-intrusive means. If NIE does not yield conclusive results, the valve will be disassembled and inspected at refueling frequency.

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Auxiliary Feedwater

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-FMO-211	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-212	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-221	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-222	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-231	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-232	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-FMO-241	1-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

AFW

Revision 1
Page 1 of 3

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables

Unit: 1
System: Auxiliary Feedwater

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-FMO-242	1-5106A	GLB	4	MO	O	o/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
1-FRV-245	1-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-FRV-247	1-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
1-FRV-255	1-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-FRV-256	1-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-FRV-257	1-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
1-FRV-258	1-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
1-FW-124	1-5106A	CHK	8	SA	C	O	C	CF-1	CF-1	Q	NO
1-FW-128	1-5106A	CHK	6	SA	C	O	C	CF-1	CF-1	Q	NO
1-FW-132-1	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
1-FW-132-2	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
1-FW-132-3	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
1-FW-132-4	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
1-FW-134	1-5106A	CHK	10	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-02
1-FW-135	1-5106A	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-02

AFW

Revision 1
Page 2 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Auxillary Feedwater**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-FW-138-1	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
1-FW-138-2	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
1-FW-138-3	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
1-FW-138-4	1-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
1-FW-149	1-5106A	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	COM-01
1-FW-150	1-5106A	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	COM-01
1-FW-159	1-5106A	CHK	6	SA	C	O	C	CF-1	CF-1	Q	NO
1-FW-161	1-5106A	CHK	8	SA	C	O	C	CF-1	CF-1	Q	NO
1-SV-140-1	1-5106A	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-140-2	1-5106A	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
12-CRV-51	1-5106A	GLB	8	AO	C	c	B	EF-5	EF-5	2 YR	NO

AFW

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CCM-430	1-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCM-431	1-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCM-432	1-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCM-433	1-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCM-451	1-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
1-CCM-452	1-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO

CCW

Revision 1
Page 1 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CCM-453	1-5135	GLB	4	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
1-CCM-454	1-5135	GLB	4	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
1-CCM-458	1-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
1-CCM-459	1-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
1-CCR-440	1-5135B	GLB	1.5	AO	O	o/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CCW

Revision 1
Page 2 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CCR-441	1-5135B	GLB	1.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCR-455	1-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO
1-CCR-456	1-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO
1-CCR-457	1-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO
1-CCR-460	1-5135	GLB	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CCW

Revision 1
Page 3 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CCR-462	1-5135	GLB	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-CCW-135	1-5135	CHK	2.5	SA	O	C	AC	CF-1	CF-2	R	ROJ-17
								SLT-2	SLT-2	R	NO
1-CCW-176E	1-5135A	CHK	16	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-07
1-CCW-176W	1-5135A	CHK	16	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-07
1-CCW-224-1	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-224-2	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-224-3	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-224-4	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-225-1	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-225-2	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-225-3	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-225-4	1-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
1-CCW-243-25	1-5135B	CHK	1	SA	O	O/C	AC	CF-1	CF-2	R	ROJ-02
								SLT-2	SLT-2	R	NO

CCW

Revision 1
Page 4 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CCW-243-72	1-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
1-CCW-244-25	1-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
1-CCW-244-72	1-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
1-CMO-410	1-5135A	BTF	16	MO	O/C	O	B	EF-1 EF-5 ET-X O	EF-1 EF-5 ET-X O	Q 2 YR Q	NO NO NO
1-CMO-411	1-5135A	BTF	18	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02
1-CMO-412	1-5135A	BTF	16	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02
1-CMO-413	1-5135A	BTF	18	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02
1-CMO-414	1-5135A	BTF	16	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02

CCW

Revision 1
Page 5 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Component Cooling Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CMO-415	1-5135A	BTF	16	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
1-CMO-416	1-5135A	BTF	16	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
1-CMO-419	1-5135A	BTF	14	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-CMO-420	1-5135A	BTF	16	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-CMO-429	1-5135A	BTF	14	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-CRV-412	1-5135A	GLB	4	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-CRV-445	1-5135	GLB	2	AO	O	O/C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO

CCW

Revision 1
Page 6 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CRV-470	1-5135	GLB	6	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-7	EF-8	R	REL-03
								ET-X C	REL-03	REL-03	REL-03
1-CRV-485	1-5135	GLB	10	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-SV-122-3	1-5135B	REL	1.5	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-122-4	1-5135B	REL	1.5	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-60	1-5135A	REL	3	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
12-CCW-170	1-5135A	CHK	16	SA	O/C	O/C	C	NONE	NONE	NA	COM-08

CCW

Revision 1
Page 7 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Compressed Air

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-GCR-314	1-5143	GAT	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-IRV-112	1-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-IRV-122	1-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-IRV-132	1-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-IRV-142	1-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-N-102	1-5143	CHK	1	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-01
								SLT-2	SLT-2	R	NO

CAS

Revision 1
Page 1 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Compressed Air**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-PA-343	12-5120B	CHK	2	SA	O/C	C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-16 NO
1-PCR-40	12-5120B	GAT	2	AO	O/C	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO
1-XCR-100	12-5120	GLB	1	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-2 EF-5 EF-8 ET-X C SLT-2	C 2 YR C C -	CSJ-04 NO CSJ-04 CSJ-04 NO
1-XCR-101	12-5120	GLB	1	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-2 EF-5 EF-8 ET-X C SLT-2	C 2 YR C C -	CSJ-04 NO CSJ-04 CSJ-04 NO
1-XCR-102	12-5120	GLB	1	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-2 EF-5 EF-8 ET-X C SLT-2	C 2 YR C C -	CSJ-04 NO CSJ-04 CSJ-04 NO

CAS

Revision 1
Page 2 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Compressed Air**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-XCR-103	12-5120	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-04
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-04
								ET-X C	ET-X C	C	CSJ-04
								SLT-2	SLT-2	-	NO

CAS

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Control Room Ventilation

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DW-163N	1-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
1-DW-163S	1-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
1-DW-166N	1-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
1-DW-166S	1-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
1-VRV-315	1-5149	3W	2.5	AO	Th	FS	B	EF-1	EF-1	Q	COM-06
								EF-7	EF-7	Q	COM-06
								ET-X FS	ET-X FS	Q	COM-06
1-VRV-325	1-5149	3W	2.5	AO	Th	FS	B	EF-1	EF-1	Q	COM-06
								EF-7	EF-7	Q	COM-06
								ET-X FS	ET-X FS	Q	COM-06

CRV

Revision 1
Page 1 of 1

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Spray

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CTS-103E	1-5144	CHK	10	SA	C	O	C	CF-1	CF-3	Q/R	REL-05
1-CTS-103W	1-5144	CHK	10	SA	C	O	C	CF-1	CF-3	Q/R	REL-05
1-CTS-109	1-5144	VB	1	SA	C	O/c	C	CF-1	CSJ-06	C	CSJ-06
1-CTS-110	1-5144	VB	1	SA	C	O/c	C	CF-1	CSJ-06	C	CSJ-06
1-CTS-120E	1-5144	CHK	2	SA	C	O	C	CF-1	CF-1	Q	NO
1-CTS-120W	1-5144	CHK	2	SA	C	O	C	CF-1	CF-1	Q	NO
1-CTS-127E	1-5144	CHK	6	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
1-CTS-127W	1-5144	CHK	6	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
1-CTS-131E	1-5144	CHK	8	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
1-CTS-131W	1-5144	CHK	8	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
1-CTS-138E	1-5144	CHK	12	SA	C	O/C	C	CF-1	CF-3	Q/R	REL-05
1-CTS-138W	1-5144	CHK	12	SA	C	O/C	C	CF-1	CF-3	Q/R	REL-05
1-IMO-202	1-5144	GAT	2.5	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO

CTS

Revision 1
Page 1 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Spray

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-204	1-5144	GAT	2.5	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-IMO-210	1-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-211	1-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-212	1-5144	GAT	2	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-215	1-5144	GAT	12	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-IMO-220	1-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-221	1-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

CTS

Revision 1
Page 2 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Spray

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-222	1-5144	GAT	2	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-225	1-5144	GAT	12	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-RH-141	1-5144	CHK	8	SA	C	O/C	AC	CF-1	CF-2	REL-06	REL-06
								SLT-2	SLT-2a	R	NO
1-RH-142	1-5144	CHK	8	SA	C	O/C	AC	CF-1	CF-2	REL-06	REL-06
								SLT-2	SLT-2a	R	NO
1-SV-107	1-5144	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

CTS

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Containment Ventilation

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SM-10	1-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SM-4	1-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SM-6	1-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SM-8	1-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-VCR-101	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-102	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-103	1-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CV

Revision 1
Page 1 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Ventilation

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-VCR-104	1-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-105	1-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-106	1-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-107	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-201	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CV

Revision 1
Page 2 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Containment Ventilation

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-VCR-202	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-203	1-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-204	1-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-205	1-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-VCR-206	1-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CV

Revision 1
Page 3 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Containment Ventilation**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-VCR-207	1-5147A	BTF	14	AO	O/C	C/FC	A	EF-1 ✓	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CV

Revision 1
Page 4 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CS-292	1-5129	CHK	2	SA	C	O/C	C	CF-1	CF-2	C/R	ROJ-03
1-CS-295	1-5129	CHK	4	SA	O	O/C	C	CF-1	ROJ-25	R	ROJ-25
1-CS-297E	1-5129	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
1-CS-297W	1-5129	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
1-CS-299E	1-5129	CHK	4	SA	O/C	O/C	AC	CF-1 SLT-1	CF-3 SLT-1	Q/R R	ROJ-04 NO
1-CS-299W	1-5129	CHK	4	SA	O/C	O/C	AC	CF-1 SLT-1	CF-3 SLT-1	Q/R R	ROJ-04 NO
1-CS-321	1-5129	CHK	3	SA	O	C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-05 NO
1-CS-325	1-5129	CHK	2	SA	O	C	C	CF-1	CF-2	R	ROJ-20
1-CS-328L1	1-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
1-CS-328L4	1-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
1-CS-329L1	1-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
1-CS-329L4	1-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
1-CS-415-1	12-5131	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-04
1-CS-415-2	12-5131	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-04

CVCS

Revision 1
Page 1 of 5

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CS-426N	12-5131	CHK	1	SA	O/C	O	C	CF-1	CF-1	Q	NO
1-CS-427N	12-5131	CHK	2	SA	C	O	C	CF-1	CF-2	C	CSJ-12
1-QCM-250	1-5129A	GAT	4	MO	O	C	A	EF-1 EF-5 ET-X C SLT-2	EF-2 EF-5 ET-X C SLT-2	ROJ-21✓ 2 YR ROJ-21✓ -	ROJ-21 NO ROJ-21 NO
1-QCM-350	1-5129A	GAT	4	MO	O	C	A	EF-1 EF-5 ET-X C SLT-2	EF-2 EF-5 ET-X C SLT-2	ROJ-21✓ 2 YR ROJ-21✓ -	ROJ-21 NO ROJ-21 NO
1-QCR-300	1-5129	GLB	2	AO	O	C/FC	B	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-2 EF-5 EF-8 ET-X C SLT-2	C 2 YR C C -	CSJ-09 NO CSJ-09 CSJ-09 NO
1-QCR-301	1-5129	GLB	2	AO	O	C/FC	B	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-2 EF-5 EF-8 ET-X C SLT-2	C 2 YR C C -	CSJ-09 NO CSJ-09 CSJ-09 NO
1-QMO-200	1-5129	GAT	3	MO	O	C	B	EF-1 EF-5 ET-X C	EF-2 EF-5 ET-X C	C 2 YR C	CSJ-10 NO CSJ-10

CVCS

Revision 1
Page 2 of 5

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables

Unit: 1
System: Chemical and Volume Control

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-QMO-201	1-5129	GAT	3	MO	O	C	B	EF-1	EF-2	C	CSJ-10
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-10
1-QMO-225	1-5129	GAT	2	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-QMO-226	1-5129	GAT	2	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-QMO-410	12-5131	GLB	2	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-QMO-451	1-5129A	GAT	4	MO	O	C	B	EF-1	EF-2	C	CSJ-11
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-11
1-QMO-452	1-5129A	GAT	4	MO	O	C	B	EF-1	EF-2	C	CSJ-11
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-11
1-QRV-111	1-5129	GLB	2	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-07
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-07
								ET-X C	ET-X C	C	CSJ-07

CVCS

Revision 1
Page 3 of 5

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-QRV-112	1-5129	GLB	2	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-07
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-07
								ET-X C	ET-X C	C	CSJ-07
1-QRV-113	1-5129A	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-QRV-114	1-5129A	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-QRV-251	1-5129	GLB	3	AO	O,Th	O/FO	B	EF-1	EF-3	REL-07	REL-07
								EF-7	EF-8	REL-07	REL-07
								ET-X O	REL-07	REL-07	REL-07
1-QRV-400	1-5129A	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X O/C	Q	COM-03
1-QRV-411	12-5131	GLB	1	AO	C	O/FO	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO

CVCS

Revision 1
Page 4 of 5



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Chemical and Volume Control**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-QRV-412	12-5131	GLB	2	AO	C/Th	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-QRV-451	1-5129A	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-QRV-51	1-5129	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-SV-54	1-5129A	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-56	1-5129	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

CVCS

Revision 1
Page 5 of 5

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Waste Disposal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-201	12-5137A	DIA	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-203	12-5137A	DIA	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-205	12-5137A	DIA	4	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-206	12-5137A	DIA	4	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-207	12-5137A	DIA	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CWD

Revision 1
Page 1 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Waste Disposal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-600	1-5124	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-601	1-5124	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-610	12-5137A	DIA	2.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-611	12-5137A	DIA	2.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-620	12-5137A	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CWD

Revision 1
Page 2 of 3



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Containment Waste Disposal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-621	12-5137A	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-N-160	12-5137A	CHK	1	SA	O	C	AC	CF-1	CF-2	R	ROJ-06
								SLT-2	SLT-2	R	NO
1-SF-159	12-5137A	DIA	3	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SF-160	12-5137A	DIA	3	MAN	C	c	A	SLT-2	SLT-2	-	NO

CWD

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ESW-101E	1-5113	CHK	20	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-05
1-ESW-101W	1-5113	CHK	20	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-05
1-ESW-109	1-5106A	GAT	4	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14
1-ESW-111	1-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
1-ESW-112	1-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
1-ESW-113	1-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
1-ESW-114	1-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
1-ESW-115	1-5106A	GAT	6	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14
1-ESW-168N	1-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
1-ESW-168S	1-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
1-ESW-169N	1-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
1-ESW-169S	1-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
1-ESW-170N	1-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
1-ESW-170S	1-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
1-ESW-171N	1-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
1-ESW-171S	1-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO

ESW

Revision 1
Page 1 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ESW-243	1-5106A	GAT	4	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14
1-WMO-701	1-5113	BTF	20	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-702	1-5113	BTF	20	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-705	1-5113	BTF	20	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-WMO-707	1-5113	BTF	20	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-WMO-711	1-5113	BTF	12	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-WMO-713	1-5113	BTF	12	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-715	1-5113	BTF	12	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-WMO-717	1-5113	BTF	12	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

ESW

Revision 1
Page 2 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WMO-721	1-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-723	1-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-725	1-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-727	1-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-731	1-5113	BTF	20	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-WMO-733	1-5113	BTF	16	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-WMO-735	1-5113	BTF	16	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-WMO-737	1-5113	BTF	16	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

ESW

Revision 1
Page 3 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WMO-744	1-5106A	GAT	4	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-753	1-5106A	GAT	6	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-WMO-754	1-5106A	GAT	4	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

ESW

Revision 1
Page 4 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Feedwater**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
1-FW-118-1	1-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
1-FW-118-2	1-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
1-FW-118-3	1-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
1-FW-118-4	1-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08

FW

Revision 1
Page 1 of 1

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservive Test Plan Tables**

Unit: 1
System: Ice Condenser Refrigeration

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-R-156	1-5146B	CHK	0.38	SA	O	O/C	AC	CF-1 SLT-2	CF-3 SLT-2	Q/R R	ROJ-08 NO
1-R-157	1-5146B	CHK	0.38	SA	O	O/C	AC	CF-1 SLT-2	CF-3 SLT-2	Q/R R	ROJ-08 NO
1-VCR-10	1-5146B	DIA	4	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO
1-VCR-11	1-5146B	DIA	4	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO
1-VCR-20	1-5146B	DIA	4	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO
1-VCR-21	1-5146B	DIA	4	AO	O	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO

ICR

Revision 1
Page 1 of 1

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Makeup and Primary Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-QCR-919	12-5115D	DIA	2	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-QCR-920	12-5115D	DIA	2	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

MPW

Revision 1
Page 1 of 1

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-310	1-5105	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-DCR-320	1-5105	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-DCR-330	1-5105	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-DCR-340	1-5105	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-MCM-221	1-5105D	GLB	4	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-MCM-231	1-5105D	GLB	4	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

MS

Revision 1
Page 1 of 6

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-MRV-210	1-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
1-MRV-211	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-212	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-213	1-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
1-MRV-220	1-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
1-MRV-221	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO

MS

Revision 1
Page 2 of 6

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-MRV-222	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-223	1-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
1-MRV-230	1-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
1-MRV-231	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-232	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-233	1-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01

MS

Revision 1
Page 3 of 6



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-MRV-240	1-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
1-MRV-241	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-242	1-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
1-MRV-243	1-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
1-MS-108-2	1-5105D	CHK	4	SA	O/C	O/C	C	CF-1	CF-3	C	CSJ-16
1-MS-108-3	1-5105D	CHK	4	SA	O/C	O/C	C	CF-1	CF-3	C	CSJ-16
1-QT-506	1-5105B	THR	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-SV-1A-1	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

MS

Revision 1
Page 4 of 6

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SV-1A-2	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1A-3	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1A-4	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1B-1	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1B-2	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1B-3	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-1B-4	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2A-1	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2A-2	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2A-3	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2A-4	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2B-1	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2B-2	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2B-3	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-2B-4	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-3-1	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

MS

Revision 1
Page 5 of 6

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SV-3-2	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-3-3	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-3-4	1-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

MS

Revision 1
Page 6 of 6

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-202	12-5137A	DIA	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-204	12-5137A	DIA	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-DCR-301	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-DCR-302	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-DCR-303	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO

NS

Revision 1
Page 1 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-DCR-304	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-ICR-5	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ICR-6	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-MCR-251	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-MCR-252	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO

NS

Revision 1
Page 2 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-MCR-253	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-MCR-254	1-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-NCR-105	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-NCR-106	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-NCR-107	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NS

Revision 1
Page 3 of 4

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables

Unit: 1
System: Nuclear Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-NCR-108	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-NCR-109	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-NCR-110	1-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-RCR-100	1-5128A	GLB	0.38	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-RCR-101	1-5128A	GLB	0.38	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NS

Revision 1
Page 4 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-900	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-901	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-902	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-903	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-904	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 1 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservive Test Plan Tables**

Unit: 1
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-905	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-906	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-907	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-908	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-909	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 2 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-910	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-911	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-912	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-913	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-914	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 3 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-915	1-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-920	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-921	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-922	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-923	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 4 of 12



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Non-essential Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-924	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-925	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-926	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-927	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-928	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 5 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-929	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-930	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-931	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-932	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-933	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 6 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Non-essential Service Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-934	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-935	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-941	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-942	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-943	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 7 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-944	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-945	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-946	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-947	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-948	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 8 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-951	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-952	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-953	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-954	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-955	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 9 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-956	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-957	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-958	1-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-960	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-961	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 10 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-WCR-962	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-963	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-964	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-965	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-WCR-966	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 11 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Non-essential Service Water**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
1-WCR-967	1-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-10	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-11	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-12	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-13	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-14	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 1 of 7



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-15	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-16	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-17	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-18	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-19	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 2 of 7



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-20	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-21	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-22	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-23	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-24	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 3 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Post Accident Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-25	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-26	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-27	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-28	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-29	1-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 4 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-31	12-5141F	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-32	12-5141F	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-33	12-5141F	GLB	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-35	12-5141F	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-36	12-5141F	DIA	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-13
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-13
								ET-X C	ET-X C	C	CSJ-13
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 5 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-416	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-417	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-496	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-497	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ECR-535	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

PAS

Revision 1
Page 6 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Post Accident Sampling**

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ECR-536	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-NS-283	1-5141D	CHK	0.5	SA	C	O/C	AC	CF-1	CF-2	ROJ-24	ROJ-24
								SLT-2	SLT-2	R	NO
1-NS-357	1-5124	CHK	0.5	SA	O	O/C	AC	CF-1	CF-2	ROJ-24	ROJ-24
								SLT-2	SLT-2	R	NO
1-SM-1	12-5141F	CHK	1	SA	O	C	AC	CF-1	CF-2	R	ROJ-18
								SLT-2	SLT-2	R	NO

PAS

Revision 1
Page 7 of 7

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Reactor Coolant

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-CS-442-1	1-5128A	CHK	2	SA	O	O/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-09 NO
1-CS-442-2	1-5128A	CHK	2	SA	O	O/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-09 NO
1-CS-442-3	1-5128A	CHK	2	SA	O	O/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-09 NO
1-CS-442-4	1-5128A	CHK	2	SA	O	O/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-09 NO
1-GCR-301	1-5128A	DIA	0.75	AO	O/C	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO
1-N-159	1-5128A	CHK	0.75	SA	O/C	C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-10 NO
1-NCR-252	1-5128A	GLB	3	AO	O/C	C/FC	A	EF-1 EF-5 EF-7 ET-X C SLT-2	EF-1 EF-5 EF-7 ET-X C SLT-2	Q 2 YR Q Q -	NO NO NO NO NO

RCS

Revision 1
Page 1 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservive Test Plan Tables**

**Unit: 1
System: Reactor Coolant**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-NMO-151	1-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-NMO-152	1-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-NMO-153	1-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-NPX-151	1-5128A	GLB	0.5	MAN	C	C	A	SLT-2	SLT-2	-	NO
1-NRV-151	1-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18
1-NRV-152	1-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18
1-NRV-153	1-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18

RCS

Revision 1
Page 2 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Reactor Coolant

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-NSO-21	1-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-22	1-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-23	1-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-24	1-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-61	1-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-62	1-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19

RCS

Revision 1
Page 3 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Reactor Coolant

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-NSO-63	1-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-NSO-64	1-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
1-PW-275	1-5128A	CHK	3	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-10
								SLT-2	SLT-2	R	NO
1-SV-45A	1-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-45B	1-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
1-SV-45C	1-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

RCS

Revision 1
Page 4 of 4

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Residual Heat Removal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ICM-111	1-5143	GAT	12	MO	C	c	B	EF-5	EF-5	2 YR	NO
1-ICM-129	1-5143	GAT	14	MO	C	c	A	EF-5 SLT-1	EF-5 SLT-1	2 YR R	NO NO
1-IMO-128	1-5143	GAT	14	MO	C	c	B	EF-5	EF-5	2 YR	NO
1-IMO-310	1-5143	GAT	14	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	NO NO NO
1-IMO-312	1-5143	GLB	2	MO	O/C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
1-IMO-314	1-5143	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
1-IMO-320	1-5143	GAT	14	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	NO NO NO
1-IMO-322	1-5143	GLB	2	MO	O/C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
1-IMO-324	1-5143	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO

RHR

Revision 1
Page 1 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Residual Heat Removal

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-330	1-5143	GAT	8	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-331	1-5143	GAT	8	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-340	1-5143	GAT	8	MO	C	O/c	B	EF-1	EF-2	C	CSJ-26
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	C	CSJ-26
1-IMO-350	1-5143	GAT	8	MO	C	O/c	B	EF-1	EF-2	C	CSJ-26
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	C	CSJ-26
1-IRV-310	1-5143	BALL	8	AO	O	o	B	EF-5	EF-5	2YR	NO
1-IRV-320	1-5143	BALL	8	AO	O	o	B	EF-5	EF-5	2YR	NO
1-RH-108E	1-5143	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-20
1-RH-108W	1-5143	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-20
1-RH-130	1-5143	GAT	8	MAN	C	c	B	NONE	SLT-2B	C	NO
1-RH-133	1-5143	CHK	8	SA	C	c	AC	SLT-1	SLT-1	R	NO
1-RH-134	1-5143	CHK	8	SA	C	c	AC	SLT-1	SLT-1	R	NO

RHR

Revision 1
Page 2 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1

System: Residual Heat Removal

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
1-SV-102	1-5143	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-103	1-5143	REL	3	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-104E	1-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-104W	1-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-105E	1-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-105W	1-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

RHR

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Spent Fuel Pit**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SF-143	12-5136	DIA	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
1-SF-151	12-5136	GLB	2.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SF-153	12-5136	GLB	2.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SI-183	12-5136	DIA	3	MAN	O	C	B	EF-1	EF-1	Q	NO
12-SF-118N	12-5136	CHK	8	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
12-SF-118S	12-5136	CHK	8	SA	O/C	O/C	C	CF-1	CF-1	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ICM-250	1-5142	GAT	4	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ICM-251	1-5142	GAT	4	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
1-ICM-260	1-5142	GAT	4	MO	O	o/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ICM-265	1-5142	GAT	4	MO	O	o/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
1-ICM-305	1-5143	GAT	18	MO	C	O/c	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
								SLT-2	SLT-2	-	NO
1-ICM-306	1-5143	GAT	18	MO	C	O/c	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
								SLT-2	SLT-2	-	NO

SI

Revision 1
Page 1 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-ICM-311	1-5143	GAT	8	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-ICM-321	1-5143	GAT	8	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-110	1-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-IMO-120	1-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-IMO-130	1-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-IMO-140	1-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
1-IMO-255	1-5142	GAT	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-256	1-5142	GAT	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
1-IMO-261	1-5142	GAT	8	MO	O	o/C	B	EF-1	EF-2	C	CSJ-21
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-21
								NONE	SLT-2B ✓	R	NO

SI

Revision 1
Page 2 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-262	1-5142	GLB	2	MO	O	o/C	B	EF-1	EF-2	C	CSJ-22
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-22
								NONE	SLT-2B	R	NO
1-IMO-263	1-5142	GLB	2	MO	O	o/C	B	EF-1	EF-2	C	CSJ-22
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-22
								NONE	SLT-2B	R	NO
1-IMO-270	1-5142	GAT	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-275	1-5142	GAT	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-315	1-5143	GAT	8	MO	C	O/C	B	EF-1	EF-2	C	CSJ-23
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-23
1-IMO-316	1-5143	GAT	8	MO	O	O/C	B	EF-1	EF-2	C	CSJ-24
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-24
1-IMO-325	1-5143	GAT	8	MO	C	O/C	B	EF-1	EF-2	C	CSJ-23
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-23

SI

Revision 1
Page 3 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-326	1-5143	GAT	8	MO	O	O/C	B	EF-1	EF-2	C	CSJ-24
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-24
1-IMO-360	1-5129	GAT	4	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
1-IMO-361	1-5142	GAT	4	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-IMO-362	1-5142	GAT	4	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
1-IMO-390	1-5143	GAT	12	MO	O	O	B	EF-5	EF-5	2 YR	NO
1-IMO-51	1-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
1-IMO-52	1-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
1-IMO-53	1-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
1-IMO-54	1-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
1-IMO-910	1-5129	GAT	8	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								NONE	SLT-2B	R	NO

SI

Revision 1
Page 4 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

Unit: 1
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IMO-911	1-5129	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C NONE	EF-1 EF-5 ET-X O/C SLT-2B	Q 2 YR Q R	NO NO NO NO
1-IRV-110	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-111	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-115	1-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-116	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-120	1-5143	GLB	0.75	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-121	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-125	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-126	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-130	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-131	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-135	1-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-136	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-140	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO

SI

Revision 1
Page 5 of 10



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-IRV-141	1-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-145	1-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-146	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-147	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-148	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-149	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-150	1-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-260	1-5142	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
1-IRV-50	1-5142	GLB	1	AO	C	c/FC	B	EF-5	EF-5	2 YR	NO
1-IRV-60	1-5142	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
1-SI-101	1-5142	CHK	8	SA	C	O/C	C	CF-1	CF-3	Q/R	ROJ-19
								NONE	SLT-2B	R	NO
1-SI-104N	1-5142	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	NO
1-SI-104S	1-5142	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	NO
1-SI-110N	1-5142	CHK	4	SA	C	O/C	C	CF-1	CF-2	R	ROJ-11

SI

Revision 1
Page 6 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SI-110S	1-5142	CHK	4	SA	C	O/C	C	CF-1	CF-2	R	ROJ-11
1-SI-142L1	1-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
1-SI-142L2	1-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
1-SI-142L3	1-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
1-SI-142L4	1-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
1-SI-148	1-5143	CHK	12	SA	C	O	C	CF-1	CF-2	R	ROJ-13
1-SI-151E	1-5143	CHK	8	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	ROJ-22 R	ROJ-22 NO
1-SI-151W	1-5143	CHK	8	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	ROJ-22 R	ROJ-22 NO
1-SI-152N	1-5143	CHK	4	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-11 NO
1-SI-152S	1-5143	CHK	4	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-11 NO
1-SI-158L1	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-158L2	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO

SI

Revision 1
Page 7 of 10



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SI-158L3	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-158L4	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-161L1	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-161L2	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-161L3	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-161L4	1-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
1-SI-166-1	1-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
1-SI-166-2	1-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
1-SI-166-3	1-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
1-SI-166-4	1-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO

SI

Revision 1
Page 8 of 10



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
1-SI-170L1	1-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
1-SI-170L2	1-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
1-SI-170L3	1-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
1-SI-170L4	1-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
1-SI-171	1-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SI-172	1-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SI-185	1-5129	CHK	8	SA	C	O/C	C	CF-1 NONE	CF-2 SLT-2B	R R	ROJ-15 NO
1-SI-189	1-5128A	CHK	4	SA	C	O/C	AC	CF-1 SLT-2	CF-3 SLT-2	REL-12 R	REL-12 NO
1-SI-194	1-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
1-SV-100-1	1-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-100-2	1-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-100-3	1-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-100-4	1-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

SI

Revision 1
Page 9 of 10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables**

**Unit: 1
System: Safety Injection**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
1-SV-96	1-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-97	1-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-98N	1-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
1-SV-98S	1-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators**

Tag	Flow Print	Notes
1-DF-108C	1-5151C	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DF-109C	1-5151C	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DF-114A	2-5151A	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DF-115A	2-5151A	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DG-101A	1-5151B	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
1-DG-101C	1-5151D	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
1-DG-103A	1-5151B	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
1-DG-103C	1-5151D	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
1-DG-127A	1-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-127C	1-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-129A	1-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators**

Tag	Flow Print	Notes
1-DG-129C	1-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-139A	1-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-139C	1-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-141A	1-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-141C	1-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
1-DG-145A	1-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DG-145C	1-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DG-151A	1-5151B	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DG-151C	1-5151D	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DG-153A	1-5151B	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DG-153C	1-5151D	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
1-DL-113A	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-113C	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators**

Tag	Flow Print	Notes
1-DL-115A	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-115C	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-125A	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-125C	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-131A	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-131C	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-157A	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-DL-157C	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-QT-114-AB	1-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-QT-114-CD	1-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-QT-132-AB	1-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-QT-132-CD	1-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-SV-120-AB	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-120-CD	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-139-AB	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-139-CD	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators

Tag	Flow Print	Notes
1-SV-61-AB	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-61-CD	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-78-AB1	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-78-AB2	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-78-CD1	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-78-CD2	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-79-AB1	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-79-AB2	1-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-79-CD1	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-SV-79-CD2	1-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
1-XRV-220	1-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-XRV-221	1-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-XRV-222	1-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-XRV-225	1-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-XRV-226	1-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
1-XRV-227	1-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Feedwater**

Tag	Flow Print	Notes
1-FMO-201	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FMO-202	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FMO-203	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FMO-204	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FRV-210	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FRV-220	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FRV-230	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
1-FRV-240	1-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2A
Inservice Test Plan Tables
Augmented Testing Program
Post Accident Sampling**

Tag	Flow Print	Notes
1-CA-7042	1-5120NN	Testing performed via Plant Procedure 12-EHP-4030.STP.254.
1-CA-7043	1-5120NN	Testing performed via Plant Procedure 12-EHP-4030.STP.254.
1-ESO-30	1-5141D	Testing of the post accident containment hydrogen monitoring system (major component) under T/S 3/4.6.4.1 verifies operational readiness.
1-ESO-50	1-5141D	Testing of the post accident containment hydrogen monitoring system (major component) under T/S 3/4.6.4.1 verifies operational readiness.
1-ESO-60	1-5141D	Testing of the post accident containment hydrogen monitoring system (major component) under T/S 3/4.6.4.1 verifies operational readiness.
1-ESO-80	1-5141D	Testing of the post accident containment hydrogen monitoring system (major component) under T/S 3/4.6.4.1 verifies operational readiness.



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Auxiliary Feedwater**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
12-CRV-51	1-5106A	GLB	8	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-FMO-211	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-212	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-221	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-222	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-231	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-232	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FMO-241	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Auxiliary Feedwater**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-FMO-242	2-5106A	GLB	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-FRV-245	2-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-FRV-247	2-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
2-FRV-255	2-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-FRV-256	2-5106A	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-FRV-257	2-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
2-FRV-258	2-5106A	GLB	1	AO	O	o	B	EF-5	EF-5	2 YR	NO
2-FW-124	2-5106A	CHK	8	SA	C	O	C	CF-1	CF-1	Q	NO
2-FW-128	2-5106A	CHK	6	SA	C	O	C	CF-1	CF-1	Q	NO
2-FW-132-1	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
2-FW-132-2	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
2-FW-132-3	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
2-FW-132-4	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-01
2-FW-134	2-5106A	CHK	10	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-02
2-FW-135	2-5106A	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-02

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Auxiliary Feedwater**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-FW-138-1	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
2-FW-138-2	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
2-FW-138-3	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
2-FW-138-4	2-5106A	CHK	4	SA	C	O/C	C	CF-1	CF-2	C	CSJ-03
2-FW-149	2-5106A	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	COM-01
2-FW-150	2-5106A	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	COM-01
2-FW-159	2-5106A	CHK	6	SA	C	O	C	CF-1	CF-1	Q	NO
2-FW-161	2-5106A	CHK	8	SA	C	O	C	CF-1	CF-1	Q	NO
2-SV-140-1	2-5106A	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-140-2	2-5106A	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

AFW

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Component Cooling Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
12-CCW-170	1-5135A	CHK	16	SA	O/C	O/C	C	NONE	NONE	NA	COM-08
2-CCM-430	2-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCM-431	2-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCM-432	2-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCM-433	2-5135B	GLB	1.5	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCM-451	2-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CCM-452	2-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
2-CCM-453	2-5135	GLB	4	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
2-CCM-454	2-5135	GLB	4	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
2-CCM-458	2-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO
2-CCM-459	2-5135	BTF	8	MO	O	C	A	EF-1	EF-2	ROJ-23	ROJ-23
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-23	ROJ-23
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CCR-440	2-5135B	GLB	1.5	AO	O	o/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCR-441	2-5135B	GLB	1.5	AO	O	o/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCR-455	2-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO
2-CCR-456	2-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO
2-CCR-457	2-5135	GLB	2	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-05
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-05
								ET-X C	ET-X C	C	CSJ-05
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CCR-460	2-5135	GLB	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCR-462	2-5135	GLB	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-CCW-135	2-5135	CHK	2.5	SA	O	C	AC	CF-1	CF-2	R	ROJ-17
								SLT-2	SLT-2	R	NO
2-CCW-176E	2-5135A	CHK	16	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-07
2-CCW-176W	2-5135A	CHK	16	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-07
2-CCW-224-1	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-224-2	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-224-3	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-224-4	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-225-1	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-225-2	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CCW-225-3	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-225-4	2-5135	CHK	2	SA	O	C	C	CF-1	REL-02	REL-02	REL-02
2-CCW-243-25	2-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
2-CCW-243-72	2-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
2-CCW-244-25	2-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
2-CCW-244-72	2-5135B	CHK	1	SA	O	o/C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-02 NO
2-CMO-410	2-5135A	BTF	16	MO	O/C	O	B	EF-1 EF-5 ET-X O	EF-1 EF-5 ET-X O	Q 2 YR Q	NO NO NO
2-CMO-411	2-5135A	BTF	18	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02
2-CMO-412	2-5135A	BTF	16	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	COM-02 NO COM-02

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CMO-413	2-5135A	BTF	18	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
2-CMO-414	2-5135A	BTF	16	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
2-CMO-415	2-5135A	BTF	16	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
2-CMO-416	2-5135A	BTF	16	MO	O	o/C	B	EF-1	EF-1	Q	COM-02
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	COM-02
2-CMO-419	2-5135A	BTF	14	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-CMO-420	2-5135A	BTF	16	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	5 YR	NO
								ET-X O	ET-X O	Q	NO
2-CMO-429	2-5135A	BTF	14	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2

System: Component Cooling Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CRV-412	2-5135A	GLB	4	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-CRV-445	2-5135	GLB	6	AO	O	O/C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
2-CRV-470	2-5135	GLB	6	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-7	EF-8	R	REL-03
								ET-X C	REL-03	REL-03	REL-03
2-CRV-485	2-5135	GLB	10	AO	O	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-SV-122-3	2-5135B	REL	1.5	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-122-4	2-5135B	REL	1.5	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-60	2-5135A	REL	3	SA	C	O/c	C	SV-1	SV-1	10 YR	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Compressed Air

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-GCR-314	2-5143	GAT	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-IRV-112	2-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-IRV-122	2-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-IRV-132	2-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-IRV-142	2-5143	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-N-102	2-5143	CHK	1	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-01
								SLT-2	SLT-2	R	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Compressed Air

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-PA-342	12-5120B	CHK	2	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-16
								SLT-2	SLT-2	R	NO
2-PCR-40	12-5120B	GAT	2	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-XCR-100	12-5120	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-04
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-04
								ET-X C	ET-X C	C	CSJ-04
								SLT-2	SLT-2	-	NO
2-XCR-101	12-5120	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-04
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-04
								ET-X C	ET-X C	C	CSJ-04
								SLT-2	SLT-2	-	NO
2-XCR-102	12-5120	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-04
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-04
								ET-X C	ET-X C	C	CSJ-04
								SLT-2	SLT-2	-	NO



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Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Compressed Air

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-XCR-103	12-5120	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-04
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-04
								ET-X C	ET-X C	C	CSJ-04
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Control Room Ventilation**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DW-163N	2-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
2-DW-163S	2-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
2-DW-166N	2-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
2-DW-166S	2-5149	GAT	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
2-VRV-315	2-5149	3W	2.5	AO	Th	FS	B	EF-1	EF-1	Q	COM-06
								EF-7	EF-7	Q	COM-06
								ET-X FS	ET-X FS	Q	COM-06
2-VRV-325	2-5149	3W	2.5	AO	Th	FS	B	EF-1	EF-1	Q	COM-06
								EF-7	EF-7	Q	COM-06
								ET-X FS	ET-X FS	Q	COM-06

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Containment Spray

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CTS-103E	2-5144	CHK	10	SA	C	O	C	CF-1	CF-3	Q/R	REL-05
2-CTS-103W	2-5144	CHK	10	SA	C	O	C	CF-1	CF-3	Q/R	REL-05
2-CTS-109	2-5144	VB	1	SA	C	O/c	C	CF-1	CSJ-06	C	CSJ-06
2-CTS-110	2-5144	VB	1	SA	C	O/c	C	CF-1	CSJ-06	C	CSJ-06
2-CTS-120E	2-5144	CHK	2	SA	C	O	C	CF-1	CF-1	Q	NO
2-CTS-120W	2-5144	CHK	2	SA	C	O	C	CF-1	CF-1	Q	NO
2-CTS-127E	2-5144	CHK	6	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
2-CTS-127W	2-5144	CHK	6	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
2-CTS-131E	2-5144	CHK	8	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
2-CTS-131W	2-5144	CHK	8	SA	C	O/C	AC	CF-1 SLT-2	CF-2 SLT-2a	REL-06 R	REL-06 NO
2-CTS-138E	2-5144	CHK	12	SA	C	O/C	C	CF-1	CF-3	Q/R	REL-05
2-CTS-138W	2-5144	CHK	12	SA	C	O/C	C	CF-1	CF-3	Q/R	REL-05
2-IMO-202	2-5144	GAT	2.5	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Containment Spray

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-204	2-5144	GAT	2.5	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-IMO-210	2-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-211	2-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-212	2-5144	GAT	2	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-IMO-215	2-5144	GAT	12	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-IMO-220	2-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-221	2-5144	GAT	10	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Containment Spray

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-222	2-5144	GAT	2	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-IMO-225	2-5144	GAT	12	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-RH-141	2-5144	CHK	8	SA	C	O/C	AC	CF-1	CF-2	REL-06	REL-06
								SLT-2	SLT-2a	R	NO
2-RH-142	2-5144	CHK	8	SA	C	O/C	AC	CF-1	CF-2	REL-06	REL-06
								SLT-2	SLT-2a	R	NO
2-SV-107	2-5144	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

CTS

Revision 1
Page 3 of 3

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Containment Ventilation

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-SM-10	2-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SM-4	2-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SM-6	2-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SM-8	2-5147A	GAT	0.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-VCR-101	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-102	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-103	2-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Containment Ventilation

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-VCR-104	2-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-105	2-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-106	2-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-107	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-201	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

Revision 1
Page 2 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Containment Ventilation**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-VCR-202	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-203	2-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-204	2-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-205	2-5147A	BTF	30	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-206	2-5147A	BTF	24	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Containment Ventilation**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-VCR-207	2-5147A	BTF	14	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

CV

Revision 1
Page 4 of 4



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Chemical and Volume Control**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CS-292	2-5129	CHK	2	SA	C	O/C	C	CF-1	CF-2	C/R	ROJ-03
2-CS-295	2-5129	CHK	4	SA	O	O/C	C	CF-1	ROJ-25	R	ROJ-25
2-CS-297E	2-5129	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
2-CS-297W	2-5129	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
2-CS-299E	2-5129	CHK	4	SA	O/C	O/C	AC	CF-1 SLT-1	CF-3 SLT-1	Q/R R	ROJ-04 NO
2-CS-299W	2-5129	CHK	4	SA	O/C	O/C	AC	CF-1 SLT-1	CF-3 SLT-1	Q/R R	ROJ-04 NO
2-CS-321	2-5129	CHK	3	SA	O	C	AC	CF-1 SLT-2	CF-2 SLT-2	R R	ROJ-05 NO
2-CS-325	2-5129	CHK	2	SA	O	C	C	CF-1	CF-2	R	ROJ-20
2-CS-328L1	2-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
2-CS-328L4	2-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
2-CS-329L1	2-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
2-CS-329L4	2-5129	CHK	3	SA	O/C	C	C	CF-1	REL-13	R	REL-13
2-CS-415-3	12-5131	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-04
2-CS-415-4	12-5131	CHK	2	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-04



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CS-426S	12-5131	CHK	1	SA	O/C	O	C	CF-1	CF-1	Q	NO
2-CS-427S	12-5131	CHK	2	SA	C	O	C	CF-1	CF-2	C	CSJ-12
2-QCM-250	2-5129A	GAT	4	MO	O	C	A	EF-1	EF-2	ROJ-21	ROJ-21
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-21	ROJ-21
								SLT-2	SLT-2	-	NO
2-QCM-350	2-5129A	GAT	4	MO	O	C	A	EF-1	EF-2	ROJ-21	ROJ-21
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	ROJ-21	ROJ-21
								SLT-2	SLT-2	-	NO
2-QCR-300	2-5129	GLB	2	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-09
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-09
								ET-X C	ET-X C	C	CSJ-09
								SLT-2	SLT-2	-	NO
2-QCR-301	2-5129	GLB	2	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-09
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-09
								ET-X C	ET-X C	C	CSJ-09
								SLT-2	SLT-2	-	NO
2-QMO-200	2-5129	GAT	3	MO	O	C	B	EF-1	EF-2	C	CSJ-10
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-10

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-QMO-201	2-5129	GAT	3	MO	O	C	B	EF-1	EF-2	C	CSJ-10
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-10
2-QMO-225	2-5129	GAT	2	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-QMO-226	2-5129	GAT	2	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-QMO-420	12-5131	GLB	2	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-QMO-451	2-5129A	GAT	4	MO	O	C	B	EF-1	EF-2	C	CSJ-11
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-11
2-QMO-452	2-5129A	GAT	4	MO	O	C	B	EF-1	EF-2	C	CSJ-11
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-11
2-QRV-111	2-5129	GLB	2	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-07
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-07
								ET-X C	ET-X C	C	CSJ-07

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Chemical and Volume Control

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-QRV-112	2-5129	GLB	3	AO	O	C/FC	B	EF-1	EF-2	C	CSJ-07
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-07
								ET-X C	ET-X C	C	CSJ-07
2-QRV-113	2-5129A	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-QRV-114	2-5129A	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-QRV-251	2-5129	GLB	3	AO	O,Th	O/FO	B	EF-1	EF-3	REL-07	REL-07
								EF-7	EF-8	REL-07	REL-07
								ET-X O	REL-07	REL-07	REL-07
2-QRV-400	2-5129A	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X O/C	Q	COM-03
2-QRV-421	12-5131	GLB	2	AO	C/Th	O/FO	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Chemical and Volume Control**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-QRV-422	12-5131	GLB	2	AO	C/Th	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-QRV-451	2-5129A	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-QRV-51	2-5129	GLB	2	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-SV-54	2-5129A	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-56	2-5129	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Containment Waste Disposal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-201	12-5137A	DIA	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-203	12-5137A	DIA	1	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-205	12-5137A	DIA	4	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-206	12-5137A	DIA	4	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-207	12-5137A	DIA	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Containment Waste Disposal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-600	2-5124	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-601	2-5124	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-610	12-5137A	DIA	2.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-611	12-5137A	DIA	2.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-620	12-5137A	BALL	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Containment Waste Disposal**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-621	12-5137A	BALL	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-N-160	12-5137A	CHK	1	SA	O	C	AC	CF-1	CF-2	R	ROJ-06
								SLT-2	SLT-2	R	NO
2-SF-159	12-5137A	DIA	3	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SF-160	12-5137A	DIA	3	MAN	C	c	A	SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ESW-102E	2-5113	CHK	20	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-05
2-ESW-102W	2-5113	CHK	20	SA	O/C	O/C	C	CF-1	CF-1	Q	COM-05
2-ESW-141	2-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
2-ESW-142	2-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
2-ESW-143	2-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
2-ESW-144	2-5113	CHK	6	SA	C	O/C	C	CF-1	CF-2	R	ROJ-07
2-ESW-145	2-5106A	GAT	4	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14
2-ESW-168N	2-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
2-ESW-168S	2-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
2-ESW-169N	2-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
2-ESW-169S	2-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
2-ESW-170N	2-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
2-ESW-170S	2-5113	BTF	3	MAN	O	C	B	EF-1	EF-1	Q	NO
2-ESW-171N	2-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
2-ESW-171S	2-5113	BTF	3	MAN	C	O	B	EF-1	EF-1	Q	NO
2-ESW-240	2-5106A	GAT	6	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ESW-243	2-5106A	GAT	4	MAN	C	O/c	B	EF-1	EF-2	C	CSJ-14
2-WMO-703	2-5113	BTF	20	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-704	2-5113	BTF	20	MO	O/C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-706	2-5113	BTF	20	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-WMO-708	2-5113	BTF	20	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-WMO-712	2-5113	BTF	12	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-WMO-714	2-5113	BTF	12	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-716	2-5113	BTF	12	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-WMO-718	2-5113	BTF	12	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WMO-722	2-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-724	2-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-726	2-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-728	2-5113	BTF	6	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-732	2-5113	BTF	16	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-WMO-734	2-5113	BTF	16	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-WMO-736	2-5113	BTF	16	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-WMO-738	2-5113	BTF	16	MO	O/C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WMO-744	2-5106A	GAT	4	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-753	2-5106A	BTF	6	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-WMO-754	2-5106A	BTF	4	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Feedwater**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
2-FW-118-1	2-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
2-FW-118-2	2-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
2-FW-118-3	2-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08
2-FW-118-4	2-5105D	CHK	14	SA	O/C	C	C	CF-1	CF-2	REL-08	REL-08

FW

Revision 1
Page 1 of 1

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Ice Condenser Refrigeration

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-R-156	2-5146B	CHK	0.38	SA	O	O/C	AC	CF-1	CF-3	Q/R	ROJ-08
								SLT-2	SLT-2	R	NO
2-R-157	2-5146B	CHK	0.38	SA	O	O/C	AC	CF-1	CF-3	Q/R	ROJ-08
								SLT-2	SLT-2	R	NO
2-VCR-10	2-5146B	DIA	4	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-11	2-5146B	DIA	4	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-20	2-5146B	DIA	4	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-VCR-21	2-5146B	DIA	4	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Makeup and Primary Water

Tag	Flow Print	Type	Size (In.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-QCR-919 ,	12-5115D	DIA	2	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-QCR-920	12-5115D	DIA	2	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

MPW

Revision 1
Page 1 of 1



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Main Steam**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-310	2-5105B	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-DCR-320	2-5105B	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-DCR-330	2-5105B	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-DCR-340	2-5105B	GLB	2	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-MCM-221	2-5105D	GLB	4	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
2-MCM-231	2-5105D	GLB	4	MO	O	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-MRV-210	2-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
2-MRV-211	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-212	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-213	2-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
2-MRV-220	2-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
2-MRV-221	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-MRV-222	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-223	2-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
2-MRV-230	2-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
2-MRV-231	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-232	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-233	2-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-MRV-240	2-5105D	GAT	28	HYD	O	C	B	EF-1	EF-3	Q/C	CSJ-17
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-17
								ET-X C	ET-X C	C	CSJ-17
2-MRV-241	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-242	2-5105D	ANG	2	AO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O	ET-X O	Q	NO
2-MRV-243	2-5105D	PORV	6	AO	O/C	C/FC	BC	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	REL-01	REL-01	REL-01
								ET-X C	REL-01	REL-01	REL-01
2-MS-108-2	2-5105D	CHK	4	SA	O/C	O/C	C	CF-1	CF-3	C	CSJ-16
2-MS-108-3	2-5105D	CHK	4	SA	O/C	O/C	C	CF-1	CF-3	C	CSJ-16
2-QT-506	2-5105B	THR	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-SV-1A-1	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO



Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Main Steam

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-SV-1A-2	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1A-3	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1A-4	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1B-1	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1B-2	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1B-3	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-1B-4	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2A-1	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2A-2	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2A-3	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2A-4	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2B-1	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2B-2	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2B-3	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-2B-4	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-3-1	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Main Steam**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
2-SV-3-2	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-3-3	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-3-4	2-5105D	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-202	12-5137A	DIA	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-204	12-5137A	DIA	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-DCR-301	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-DCR-302	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-DCR-303	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-DCR-304	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-ICR-5	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ICR-6	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-MCR-251	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-MCR-252	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Nuclear Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-MCR-253	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-MCR-254	2-5141A	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-NCR-105	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-NCR-106	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-NCR-107	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservive Test Plan Tables**

Unit: 2
System: Nuclear Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-NCR-108	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-NCR-109	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-NCR-110	2-5141	GLB	0.5	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-RCR-100	2-5128A	GLB	0.38	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-RCR-101	2-5128A	GLB	0.38	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Non-essensial Service Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-900	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-901	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-902	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-903	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-904	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Non-essensial Service Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-905	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-906	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-907	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-908	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-909	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-910	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-911	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-912	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-913	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-914	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservce Test Plan Tables**

Unit: 2
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-915	2-5114A	DIA	6	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-920	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-921	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-922	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-923	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-924	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-925	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-926	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-927	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-928	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

NSW

Revision 1
Page 5 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Non-essensial Service Water**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-929	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-930	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-931	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-932	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-933	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-934	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-935	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-941	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-942	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-943	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-944	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-945	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-946	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-947	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-948	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-951	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-952	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-953	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-954	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-955	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservive Test Plan Tables**

Unit: 2
System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-956	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-957	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-958	2-5114A	DIA	3	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-960	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-961	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Non-essensial Service Water

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-WCR-962	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-963	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-964	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-965	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-WCR-966	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

Revision 1

NSW

Page 11 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Non-essensial Service Water

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
2-WCR-967	2-5114A	DIA	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

Revision 1

NSW

Page 12 of 12

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-10	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-11	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-12	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-13	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-14	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Post Accident Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-15	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-16	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-17	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-18	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-19	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-20	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-21	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-22	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-23	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-24	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-25	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-26	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-27	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-28	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-29	2-5141D	GLB	0.5	AO	C	O/C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-31	12-5141F	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-32	12-5141F	GLB	1	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-33	12-5141F	GLB	0.75	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-35	12-5141F	GLB	2	AO	O	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-36	12-5141F	GLB	1	AO	O	C/FC	A	EF-1	EF-2	C	CSJ-13
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-13
								ET-X C	ET-X C	C	CSJ-13
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Post Accident Sampling

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-416	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-417	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-496	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-497	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ECR-535	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Post Accident Sampling**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ECR-536	12-5141C	GLB	0.5	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-NS-283	2-5141D	CHK	0.5	SA	C	O/C	AC	CF-1	CF-2	ROJ-24	ROJ-24
								SLT-2	SLT-2	R	NO
2-NS-357	2-5124	CHK	0.5	SA	O	O/C	AC	CF-1	CF-2	ROJ-24	ROJ-24
								SLT-2	SLT-2	R	NO
2-SM-1	12-5141F	CHK	1	SA	O	C	AC	CF-1	CF-2	R	ROJ-18
								SLT-2	SLT-2	R	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Reactor Coolant

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-CS-442-1	2-5128A	CHK	2	SA	O	O/C	AC	CF-1	CF-2	R	ROJ-09
								SLT-2	SLT-2	R	NO
2-CS-442-2	2-5128A	CHK	2	SA	O	O/C	AC	CF-1	CF-2	R	ROJ-09
								SLT-2	SLT-2	R	NO
2-CS-442-3	2-5128A	CHK	2	SA	O	O/C	AC	CF-1	CF-2	R	ROJ-09
								SLT-2	SLT-2	R	NO
2-CS-442-4	2-5128A	CHK	2	SA	O	O/C	AC	CF-1	CF-2	R	ROJ-09
								SLT-2	SLT-2	R	NO
2-GCR-301	2-5128A	DIA	0.75	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-N-159	2-5128A	CHK	0.75	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-10
								SLT-2	SLT-2	R	NO
2-NCR-252	2-5128A	GLB	3	AO	O/C	C/FC	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Reactor Coolant**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-NMO-151	2-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-NMO-152	2-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-NMO-153	2-5128A	GAT	3	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-NPX-151	2-5128A	GLB	0.5	MAN	C	C	A	SLT-2	SLT-2	-	NO
2-NRV-151	2-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18
2-NRV-152	2-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18
2-NRV-153	2-5128A	PORV	3	AO	C	O/C/FC	BC	EF-1	EF-2	C	CSJ-18
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-18
								ET-X O/C	ET-X O/C	C	CSJ-18



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Reactor Coolant**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-NSO-21	2-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-22	2-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-23	2-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-24	2-5128	GLB	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-61	2-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-62	2-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Reactor Coolant**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-NSO-63	2-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-NSO-64	2-5128A	GAT	1	SO	C	O/C/FC	B	EF-1	EF-2	C	CSJ-19
								EF-5	EF-5	2 YR	NO
								EF-7	EF-8	C	CSJ-19
								ET-X O/C	ET-X O/C	C	CSJ-19
2-PW-275	2-5128A	CHK	3	SA	O/C	C	AC	CF-1	CF-2	R	ROJ-10
								SLT-2	SLT-2	R	NO
2-SV-45A	2-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-45B	2-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO
2-SV-45C	2-5128A	REL	6	SA	C	O/c	C	SV-2	SV-2	5 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Residual Heat Removal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ICM-111	2-5143	GAT	12	MO	C	c	B	EF-5	EF-5	2 YR	NO
2-ICM-129	2-5143	GAT	14	MO	C	c	A	EF-5 SLT-1	EF-5 SLT-1	2 YR R	NO NO
2-IMO-128	2-5143	GAT	14	MO	C	c	B	EF-5	EF-5	2 YR	NO
2-IMO-310	2-5143	GAT	14	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	NO NO NO
2-IMO-312	2-5143	GLB	2	MO	O/C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
2-IMO-314	2-5143	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
2-IMO-320	2-5143	GAT	14	MO	O	o/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	NO NO NO
2-IMO-322	2-5143	GLB	2	MO	O/C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
2-IMO-324	2-5143	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2

System: Residual Heat Removal

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-330	2-5143	GAT	8	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-331	2-5143	GAT	8	MO	C	O/c	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-340	2-5143	GAT	8	MO	C	O/c	B	EF-1	EF-2	C	CSJ-26
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	C	CSJ-26
2-IMO-350	2-5143	GAT	8	MO	C	O/c	B	EF-1	EF-2	C	CSJ-26
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	C	CSJ-26
2-IRV-310	2-5143	BALL	8	AO	O	o	B	EF-5	EF-5	2YR	NO
2-IRV-320	2-5143	BALL	8	AO	O	o	B	EF-5	EF-5	2YR	NO
2-RH-108E	2-5143	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-20
2-RH-108W	2-5143	CHK	8	SA	C	O	C	CF-1	CF-3	Q/C	CSJ-20
2-RH-130	2-5143	GAT	8	MAN	C	c	B	NONE	SLT-2B	C	NO
2-RH-133	2-5143	CHK	8	SA	C	c	AC	SLT-1	SLT-1	R	NO
2-RH-134	2-5143	CHK	8	SA	C	c	AC	SLT-1	SLT-1	R	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Residual Heat Removal**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
2-SV-102	2-5143	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-103	2-5143	REL	3	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-104E	2-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-104W	2-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-105E	2-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-105W	2-5143	REL	2	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Spent Fuel Pit**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (in.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
12-SF-118N	12-5136	CHK	8	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
12-SF-118S	12-5136	CHK	8	SA	O/C	O/C	C	CF-1	CF-1	Q	NO
2-SF-142	12-5136	DIA	2.5	MAN	O	C	B	EF-1	EF-1	Q	NO
2-SF-152	12-5136	GLB	2.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SF-154	12-5136	GLB	2.5	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SI-184	12-5136	DIA	3	MAN	O	C	B	EF-1	EF-1	Q	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ICM-250	2-5142	GAT	4	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ICM-251	2-5142	GAT	4	MO	C	O/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								SLT-2	SLT-2	-	NO
2-ICM-260	2-5142	GAT	4	MO	O	o/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ICM-265	2-5142	GAT	4	MO	O	o/C	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
								SLT-2	SLT-2	-	NO
2-ICM-305	2-5143	GAT	18	MO	C	O/c	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
								SLT-2	SLT-2	-	NO
2-ICM-306	2-5143	GAT	18	MO	C	O/c	A	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
								SLT-2	SLT-2	-	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservive Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-ICM-311	2-5143	GAT	8	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-ICM-321	2-5143	GAT	8	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-IMO-110	2-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-IMO-120	2-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-IMO-130	2-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-IMO-140	2-5143	GAT	10	MO	O	o	B	EF-5	EF-5	2 YR	NO
2-IMO-255	2-5142	GAT	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-256	2-5142	GAT	4	MO	C	O	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O	ET-X O	Q	NO
2-IMO-261	2-5142	GAT	8	MO	O	o/C	B	EF-1	EF-2	C	CSJ-21
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-21
								NONE	SLT-2B	R	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-262	2-5142	GLB	2	MO	O	o/C	B	EF-1	EF-2	C	CSJ-22
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-22
								NONE	SLT-2B	R	NO
2-IMO-263	2-5142	GLB	2	MO	O	o/C	B	EF-1	EF-2	C	CSJ-22
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	C	CSJ-22
								NONE	SLT-2B	R	NO
2-IMO-270	2-5142	GAT	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-IMO-275	2-5142	GAT	4	MO	O	o/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X C	ET-X C	Q	NO
2-IMO-315	2-5143	GAT	8	MO	C	O/C	B	EF-1	EF-2	C	CSJ-23
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-23
2-IMO-316	2-5143	GAT	8	MO	O	O/C	B	EF-1	EF-2	C	CSJ-24
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-24
2-IMO-325	2-5143	GAT	8	MO	C	O/C	B	EF-1	EF-2	C	CSJ-23
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	C	CSJ-23

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservce Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-326	2-5143	GAT	8	MO	O	O/C	B	EF-1 EF-5 ET-X O/C	EF-2 EF-5 ET-X O/C	C 2 YR C	CSJ-24 NO CSJ-24
2-IMO-360	2-5129	GAT	4	MO	O	O/C	B	EF-1 EF-5 ET-X C	EF-1 EF-5 ET-X C	Q 2 YR Q	NO NO NO
2-IMO-361	2-5142	GAT	4	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
2-IMO-362	2-5142	GAT	4	MO	C	O/C	B	EF-1 EF-5 ET-X O/C	EF-1 EF-5 ET-X O/C	Q 2 YR Q	NO NO NO
2-IMO-390	2-5143	GAT	12	MO	O	O	B	EF-5	EF-5	2 YR	NO
2-IMO-51	2-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
2-IMO-52	2-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
2-IMO-53	2-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
2-IMO-54	2-5142	GLB	1.5	MO	O	O	B	EF-5	EF-5	2 YR	NO
2-IMO-910	2-5129	GAT	8	MO	C	O/C	B	EF-1 EF-5 ET-X O/C NONE	EF-1 EF-5 ET-X O/C SLT-2B	Q 2 YR Q R	NO NO NO NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IMO-911	2-5129	GAT	8	MO	C	O/C	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								ET-X O/C	ET-X O/C	Q	NO
								NONE	SLT-2B	R	NO
2-IRV-110	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-111	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-120	2-5143	GLB	0.75	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-121	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-130	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-131	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-140	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-141	2-5143	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-149	2-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-150	2-5143	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-155	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-156	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-157	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO



**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-IRV-158	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-165	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-166	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-175	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-176	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-185	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-186	2-5143	GLB	1	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-260	2-5142	GLB	0.75	AO	C	c	B	EF-5	EF-5	2 YR	NO
2-IRV-50	2-5142	GLB	1	AO	C	C/FC	B	EF-5	EF-5	2 YR	NO
2-IRV-60	2-5142	GLB	1	AO	O/C	C/FC	B	EF-1	EF-1	Q	NO
								EF-5	EF-5	2 YR	NO
								EF-7	EF-7	Q	NO
								ET-X C	ET-X C	Q	NO
2-SI-101	2-5142	CHK	8	SA	C	O/C	C	CF-1	CF-3	Q/R	ROJ-19
								NONE	SLT-2B	R	NO
2-SI-104N	2-5142	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	NO
2-SI-104S	2-5142	CHK	0.75	SA	C	O	C	CF-1	CF-1	Q	NO
2-SI-110N	2-5142	CHK	4	SA	C	O/C	C	CF-1	CF-2	R	ROJ-11

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Safety Injection**

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-SI-110S	2-5142	CHK	4	SA	C	O/C	C	CF-1	CF-2	R	ROJ-11
2-SI-142L1	2-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
2-SI-142L2	2-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
2-SI-142L3	2-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
2-SI-142L4	2-5142	CHK	1.5	SA	C	O	C	CF-1	CF-2	R	ROJ-12
2-SI-148	2-5143	CHK	12	SA	C	O	C	CF-1	CF-2	R	ROJ-13
2-SI-151E	2-5143	CHK	8	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	ROJ-22 R	ROJ-22 NO
2-SI-151W	2-5143	CHK	8	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	ROJ-22 R	ROJ-22 NO
2-SI-152N	2-5143	CHK	4	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-11 NO
2-SI-152S	2-5143	CHK	4	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-11 NO
2-SI-158L1	2-5143	CHK	6	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-158L2	2-5143	CHK	6	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-SI-158L3	2-5143	CHK	6	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-158L4	2-5143	CHK	6	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-161L1	2-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-161L2	2-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-161L3	2-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-161L4	2-5143	CHK	6	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	R R	ROJ-14 NO
2-SI-166-1	2-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
2-SI-166-2	2-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
2-SI-166-3	2-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO
2-SI-166-4	2-5143	CHK	10	SA	C	O/C	AC	CF-1 SLT-1	CF-2 SLT-1	REL-10 R	REL-10 NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables

Unit: 2
System: Safety Injection

Tag	Flow Print	Type	Size (in.)	Actuator	Power Operation	Safety Function	Category	Test Required	Test Performed	Test Frequency	Notes
2-SI-170L1	2-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
2-SI-170L2	2-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
2-SI-170L3	2-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
2-SI-170L4	2-5143	CHK	10	SA	C	O/c	AC	CF-1 SLT-1	CF-2 SLT-1	REL-11 R	REL-11 NO
2-SI-171	2-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SI-172	2-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SI-185	2-5129	CHK	8	SA	C	O/C	C	CF-1 NONE	CF-2 SLT-2B	R R	ROJ-15 NO
2-SI-189	2-5128A	CHK	4	SA	C	O/C	AC	CF-1 SLT-2	CF-3 SLT-2	REL-12 R	REL-12 NO
2-SI-194	2-5143	GLB	0.75	MAN	C	c	A	SLT-2	SLT-2	-	NO
2-SV-100-1	2-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-100-2	2-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-100-3	2-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-100-4	2-5143	REL	1	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

**Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables**

**Unit: 2
System: Safety Injection**

<u>Tag</u>	<u>Flow Print</u>	<u>Type</u>	<u>Size (In.)</u>	<u>Actuator</u>	<u>Power Operation</u>	<u>Safety Function</u>	<u>Category</u>	<u>Test Required</u>	<u>Test Performed</u>	<u>Test Frequency</u>	<u>Notes</u>
2-SV-96	2-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-97	2-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-98N	2-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO
2-SV-98S	2-5142	REL	0.75	SA	C	O/c	C	SV-1	SV-1	10 YR	NO

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators

Tag	Flow Print	Notes
2-DF-108A	2-5151A	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DF-109A	2-5151A	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DF-114C	1-5151C	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DF-115C	1-5151C	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DG-102A	2-5151B	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
2-DG-102C	2-5151D	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
2-DG-104A	2-5151B	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
2-DG-104C	2-5151D	Testing of this valve is accomplished by component specific actions taken in the operating procedure for testing of the EDG (major component).
2-DG-128A	2-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-128C	2-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-130A	2-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators

Tag	Flow Print	Notes
2-DG-130C	2-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-140A	2-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-140C	2-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-142A	2-5151B	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-142C	2-5151D	Testing of this valve is accomplished by testing of the EDG (major component) under T/S 3/4.8.1, and by component specific actions taken in the operating procedure for the EDG.
2-DG-146A	2-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DG-146C	2-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DG-152A	2-5151B	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DG-152C	2-5151D	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DG-154A	2-5151B	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DG-154C	2-5151D	Testing accomplished during testing of the associated (open position) or parallel (closed position) pump under the pump inservice testing program.
2-DL-114A	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-114C	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators

Tag	Flow Print	Notes
2-DL-116A	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-116C	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-126A	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-126C	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-132A	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-132C	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-158A	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-DL-158C	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-QT-114-AB	2-5151A	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-QT-114-CD	2-5151C	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-QT-132-AB	2-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-QT-132-CD	2-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-SV-120-AB	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-120-CD	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-139-AB	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-139-CD	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables
Augmented Testing Program
Emergency Diesel Generators

Tag	Flow Print	Notes
2-SV-61-AB	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-61-CD	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-78-AB1	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-78-AB2	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-78-CD1	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-78-CD2	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-79-AB1	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-79-AB2	2-5151B	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-79-CD1	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-SV-79-CD2	2-5151D	Testing performed via Plant Procedure 12-MHP-5021.001.034 under Preventive Maintenance Program
2-XRV-220	2-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-XRV-221	2-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-XRV-222	2-5151B	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-XRV-225	2-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-XRV-226	2-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.
2-XRV-227	2-5151D	Testing of the EDG (major component) under T/S 3/4..8.1 verifies operational readiness.

Donald C. Cook Nuclear Plant
Third Ten Year Interval
Attachment 2B
Inservice Test Plan Tables
Augmented Testing Program
Feedwater

Tag	Flow Print	Notes
2-FMO-201	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FMO-202	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FMO-203	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FMO-204	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FRV-210	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FRV-220	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FRV-230	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.
2-FRV-240	2-5106	Testing performed via Plant Procedure 1/2-OHP 4030.STP.017CS.

