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Indian Point 3 Nuclear Power Plant

Systems
Interaction
Study Report

Volume 10



Indian Point 3 Nuclear Power Plant

Systems
Interaction
Study Report

Volume 10

COPY NUMBER __ 3



8.0 Service Water System

8.1 Function & Applicability

The Service Water System (SWS) provides cooling water to the following safety related systems:

- Containment Air Recirculation System
- Component Cooling System
- Diesel Generator System
- Control Room Ventilation System

SWS is described in System Description No. 24.0.

8.2 Scope

- 8.2.1 For the purpose of this study SWS includes:
 - Service Water Pumps
 - Service Water Strainers
 - Piping, Valves, Instrumentation and Electrical equipment as indicated in the corresponding disciplines Nonconnected and Interconnected Matrices.
- 8.2.2 Portions of SWS which service nonsafety related components, the Conventional Plant Closed Cooling System and the Instrument Air Closed Cooling System are not included within the scope of this study. Also, the Backup Service Water Pumps, which are designated Seismic Category III and are not missile protected, are not included within the scope of this study.

The boundaries of this study for SWS are shown on flow diagram FD 5209.08, Sheet 1.

- 8.2.3 Support systems relied upon for SWS safety related function are indicated on the Auxiliary Diagram AD-8.
- 8.2.4 Systems which interface with SWS but are not deemed necessary for accomplishing its safety related function are:

i) Instrument Air System

All valves which are powered by instrument air will, upon loss of instrument air, fail in their safety related position (Response to FSAR question 9.19.3). Instrument air is therefore not relied upon to accomplish the SWS safety related function.

8.2.5 All devices located in the Control Room are evaluated generically as part of the Control Room review.

SERVICE WATER SYSTEM MECHANICAL

POTENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
L-8-102-7	8-M-1-A	NR	NR
L-8-103-7	8-M-2-A	NR	NR
L-8-116-1	8-M-3-A	NR	NR
L-8-116-2	8-M-3-A	NR	NR
L-8-119-2	8-M-4-A	NR	NR
L-8-119-3	8-M-4-A	NR	NR
L-8-123-3	8-M-5-A	NR	NR
L-8-123-4	8-M-5-A	NR	NR
L-8-206-2	8-M-6-A	NR	NR
L-8-215-2	8-M-7-P	22-001-A	NR
L-8-216-2	8-M-8-P	22-001-A	NR
L-8-218-3	8-M-9-A	NR	NR
L-8-219-3	8-M-10-A	NR	NR .
L-8-220-3	8-M-11-A	NR	NR
L-8-222-1	8-M-12-P	22-002-A	NR
L-8-224-3	8-M-13-A	NR	NR
L-8-225-3	8-M-14-A	NR	NR

²⁾ NR - Evaluation is Not Required since interaction is now acceptable.

³⁾ NA - Type of evaluation is not applicable to this interaction.

⁴⁾ Disposed of by repair in AFW pump building.

^{*} Unacceptable by all 3 types of evaluation.

SERVICE WATER SYSTEM MECHANICAL

PO1	TENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
	L-8-226-3	8-M-15-A	NR	NR
*	L-8-227-1	8-M-16-P	22-010-P	5209-22-036-P
*	L-8-229-1	8-M-18-P	22-010 - P	5209-22-036-P
*	L-8-228-1	8-M-17-P	22-010-P	5209-22-036-P
*	L-8-230-1	8-M-19-P	22-010-P	5209-22-036-P
*	L-8-231-1	8-M-20-P	22-010-P	5209-22-036-P
*	L-8-232-1	8-M-21-P	22-010-P	5209-22-036-P
	L-8-248-2	8-M-22-P	36-025-A	NR
	L-8-249-2	8-M-23-P	36-025-A	NR
	V-8-11-7	8-M-24-A	NR	NR
	V-8-12-7	8-M-25-A	NR	NR
	V-8-17-1	8-M-26-A	NR	NR
	V-8-18-2	8-M-27-P	17A-003-A	NR
	V-8-45-1	8-M-28-A	NR	NR ·
	V-8-45-2	8-M-28-A	NR	NR
	V-8-48-1	8-M-29-A	NR	NR
	V-8-48-2	8-M-29-A	NR	NR

NOTES: 1) Letter following numbers mean; A - Acceptable, P - Potentially Unacceptable.

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SERVICE WATER SYSTEM MECHANICAL

POTENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
V-8-66-1	8-M-30-A	NR	NR
V-8-66-2	8-M-30-A	NR	NR
V-8-113-1	8-11-31-A	NR	. NR
V-8-123-1	8-M-32-P	22-001-A	NR
V-8-128-3	8-M-33-A	NR	NR
V-8-129-3	8-M-34-A	NR	NR
V-8-130-3	8-M-35-A	NR	NR
V-8-131-3	8-M-36-A	NR	NR
V-8-132-3	8-M-37-A	NR	NR
V-8-133-3	8-M-38-A	NR	NR
V-8-134-2	8-M-39-A	NR	NR
V-8-135-2	8-M-40-A	NR	NR
V-8-136-2	8-M-41-A	NR	NR
V-8-146-1	8-M-42-A	NR	NR
V-8-147-1	8-M-43-A	NR	NR
V-8-148-1	8-M-44-A	NR	NR
V-8-149-1	8-M-45-A	NR	NR

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^{*} Unacceptable by all 3 types of evaluation.

SERVICE WATER SYSTEM MECHANICAL

POTENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
V-8-150-1	8-M-46-A	NR	NR
V-8-151-1	8-M-47-A	NR	NR
V-8-152-1	8-M-48-A	NR	NR
V-8-153-1	8-M-49-A	NR	NR
V-8-154-1	8-M-50-A	NR	NR
V-8-155-1	8-M-51-A	NR	NR
* V-8-156-1	8-M-52-P	22-010-P	5209-22-036-P
V-8-157-1	8-M-53-A	NR	NR
* V-8-158-1	8-M-54-P	22-010-P	5209-22-036-P
V-8-159-1	8-M-55-A	NR	NR
* V-8-160-1	8-M-56-P	22-010-P	5209-22-036-P
V-8-160-2	8-M-56-P	22-003-A	NR
V-8-161-1	8-M-57-A	NR	NR
V-8-162-1	8-M-58-A	NR	NR
V-8-163-1	8-M-59-A	NR	NR
* V-8-164-1	8-M-60-P	22-010-P	5209-22-036-P
V-8-165-1	8-M-61-A	NR	NR

²⁾ NR - Evaluation is Not Required since interaction is now acceptable.

³⁾ NA - Type of evaluation is not applicable to this interaction.

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SERVICE WATER SYSTEM MECHANICAL

PO	TENTIALLY UNACCEPTABLE INTERACTION NUMBER	F14EA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
*	V-8-166-1	8-M-62-P	22-010-P	5209-22-036-P
*	V-8-167-1	8-M-63-P	22-004-P	NA
*	V-8-167-2	8-M-63-P	22 - 005-P	NA
	V-8-167-3	8-M-63-P	22-006-A	NR
	V-8-167-4	8-M-63-P	22-007-A	NR .
	V-8-167-5	8-M-63-P	22-008-A	NR
*	V-8-167-6	8-M-63-P	22-009-P	NA
*	V-8-168-1	8-M-64-P	22-004-P	NA
*	V-8-168-2	8-M-64-P	22-005-P	NA
	V-8-168-3	8-M-64-P	22-006-A	NR
	V-8-168-4	8-M-64-P	22-007-A	NR
	V-8-168-5	8-M-64-P	22-008-A	NR
*	V-8-168-6	8-M-64-P	22-009-P	NA
*	V-8-169-1	8-M-65-P	22 - 004-P	NA
*	V-8-169-2	8-M-65-P	22-005-P	NA
	V-8-169-3	8-M-65-P	22-006-A	NR
	V-8-169-4	8-M-65-P	22-007-A	NR

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SERVICE WATER SYSTEM MECHANICAL

P0	TENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
	V-8-169-5	8-M-65-P	22-008-A	NR ·
*	V-8-169-6	8-M-65-P	22-009-P	NA
*	V-8-170-1	8-M-66-P	22-004-P	NA
*	V-8-170-2	8-M-66-P	22-005-P	NA
	V-8-170-3	8-M-66-P	22-006-A	NR
	V-8-170-4	8-M-66-P	22-007 - A	NR
	V-8-170-5	8-M-66-P	22-008-A	NR
*	V-8-170-6	8-M-66-P	22-009-P	NA
*	V-8-171-1	8-M-67-P	22-004-P	NA
*	V-8-171-2	8-M-67-P	22-005-P	NA
	V-8-171-3	8-M-67-P	22-006-A	NR
	V-8-171-4	8-M-67-P	22-007-A	NR
	V-8-171-5	8-M-67-P	22-008-A	NR
*	Ÿ-8-171-6	8-M-67-P	22 - 009-P	NA
*	V-8-172-1	8-M-68-P	22-004-P	NA
*	V-8-172-2	8-M-68-P	22-005-P	NA
	V-8-172-3	8-M-68-P	22-006-A	NR

NOTES: 1) Letter following numbers mean; A - Acceptable, P - Potentially Unacceptable.

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SERVICE WATER SYSTEM MECHANICAL

P0	TENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
	V-8-172-4	8-M-68-P	22-007-A	NR
	V-8-172-5	8-M-68-P	22 - 008-A	NR
*	V-8-172-6	8-M-68-P	22-009-P	NA
	V-8-185-2	8-11-69-P	36A-025-A	NR
	V-8-185-4	8-M-69-P	36A-023-A	NR
	V-8-186-2	8-M-70-P	36A-025-A	NR
	V-8-186-4	8-M-70-P	36A-023-A	NR
	V-8-187-2	8-M-71-A	NR	NR
	V-8-190-2	8-M-72-A	NR	NR
	V-8-191-2	8-M-73-P	36A-025-A	NR
	V-8-192-2	8-M-74-A	NR	NR
	V-8-194-2	8-M-75-A	NR	NR
	V-8-195-2	8-M-76-P	36A-025-A	NR
	V-8-196-2	8-M-77-A	NR	NR
*	V-8-198-1	8-M-78-P	102A-002-P	NA
*	V-8-200-1	8-M-79-P	102A-002-P	NA
*	V-8-202-1	8-M-80-P	102A-002-P	NA

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^{*} Unacceptable by all 3 types of evaluation.

SERVICE WATER SYSTEM MECHANICAL

POT	ENTIALLY UNACCEPTABLE INTERACTION NUMBER	FMEA (1) (2)	EIC (1) (2)	SPAN EVALUATION (1) (2) (3)
	V-8-205-1	8-M-81-A	NR	NR
*	v-8-207-1	8-M-82-P	101A-002-P	, NA
*	V-8-209-1	8-M-83-P	101A-002-P	NA
*	V-8-211-1	8-M-84-P	101A-002-P	NA
	V-8-214-1	8-M-85-A	NR -	NR
*	V-8-216-1	8-M-86-P	10-002-P	NA
*	V-8-218-1	8-M-87-P	10-002-P	NA
*	V-8-221-1	8-M-88-P	10-002-P	NA
	V-8-223-1	8-M-89-A	NR	NR
	V-8-227-3	8-M-90-P	14-014-P	5209-14-049-A
	V-8-232-3	8-M-91-A	NR	NR
	V-8-237-3	8-M-92-P	14-014-P	5209-14-049-A

NOTES: 1) Letter following numbers mean; A - Acceptable, P - Potentially Unacceptable.

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³⁾ NA - Type of evaluation is not applicable to this interaction.

⁴⁾ Disposed of by repair in AFW pump building.

^{*} Unacceptable by all 3 types of evaluation.

SYSTEM	NO	8		
SYSTEM	NAME	SERVICE WATER SYSTEM		·
	· · · · · · · · · · · · · · · · · · ·			
				· .
MATRIX	CATEGORY		NON-CONNECTED	
			INTERCONNECTED	Χ .

PREPARED BY TOATH 9/1/82

FRANCED BY/DATE

Ebasco Services Incorporated

SHEET	1	OF	5 5
	4		

SYSTEM	NO.	8

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (EQUIPMENT)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	
SERVICE WATER PUMP #31	14"-SWN-1081	S	
MOTOR	'480V BUS 5A	S	
SERVICE WATER PUMP #32	14"-SWN-1082	S	
MOTOR	480V BUS 2A	S	
SERVICE WATER PUMP #33	14"-SWN-1083	S	
MOTOR	480V BUS 6A	S	
SERVICE WATER PUMP #34	14"-SWN-1084	S	
MOTOR	480V BUS 5A	S	
SERVICE WATER PUMP #35	14"-SWN-1085	S	
MOTOR	480V BUS 3A	S	
SERVICE WATER PUMP #36	14"-SWN-1086	S	
MOTOR	480V BUS 6A	S	
AUTOMATIC STRAINER #31	14"-SWN-1081 14"-SWN-1081 2"-SWN-1081 2"-SWN-1081 480V MCC 36A	s s s s	

Jorge	L.	Rod	rig	uez	9-1	5-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (EQUIPMENT)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
AUTOMATIC	14"-SWN-1082	S	
STRAINER #32	14"-SWN-1082	S	
	2"-SWN-1082	S	
	2"-SWN-1082	·S .	
	480V MCC 36B	S	
AUTOMATIC	14"-SWN-1083	S	
STRAINER #33	14"-SWN-1083	S	
	2"-SWN-1083	S	
•	2"-SWN-1083	S	
	480V MCC 36A	S	
AUTOMATIC	14"-SWN-1084	S	
STRAINER #34	14"-SWN-1084	S	
	2"-SWN-1084	S	
	2"-SWN-1084	S	
	480V MCC 36B	S	
AUTOMATIC	14"-SWN-1085	S	
STRAINER #35	14"-SWN-1085	S	
•	2"-SWN-1085	S	,
•	2"-SWN-1085	S	•
	480V MCC 36A	S	
AUTOMATIC	14"-SWN-1086	S	•
STRAINER #36	14"-SWN-1086	S	
STREET # 30	2"-SWN-1086	S	
	2"-SWN-1086	S	
	480V MCC 36B	S	٠

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (EQUIPMENT)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
JACKET WATER	4"-SWN-1096	S	
COOLER #31	4"-SWN-1093	S	
LUBE OIL	4"-SWN-1096	S	
COOLER #31	4"-SWN-1093	S	
JACKET WATER	4"-SWN-1097	S	
COOLER #32	4"-SWN-1094	S	
	4 BMN-1094		
LUBE OIL	4"-SWN-1094	S	
COOLER #32	4"-SWN-1097	S	
JACKET WATER	4"-SWN-1098	S	
COOLER #33	4"-SWN-1095	S	
	1 5 11 1093	-	
LUBE OIL	4"-SWN-1095	S	
COOLER #33	4"-SWN-1098	S	
A.C. UNIT #31	3"-SWN-1223	S	
CONDENSER	3"-SWN-1231	S	
	5 5 M 1251		
A.C. UNIT #32	3"-SWN-1224	S	
CONDENSER	3"-SWN-1231	S	
COOLING WATER	2½"-SWN-1201	S	
HEAT EXCHANGER	2½"-SWN-1198	S	•
#31	1½"-SWN-1183	S	
	1½"-SWN-1187	S	
	== = == = = = ;	2	

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		55
4	OF	20

SHEET

SYSTEM	NO.	8

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (EQUIPMENT)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	
COOLING WATER	2½"-SWN-1200	S	
HEAT EXCHANGER	2½''-SWN-1196	, S	
#32	1½''-SWN-1185	S	
	1 ¹ / ₄ "-SWN-1186	· S	
COMPONENT COOLING	18"-SWN-411	S	
HEAT EXCHANGER	18"-SWN-509	S	
#31	14"-AC-53 AUX COOLANT SYSTEM	S	
	14"-AC-199)	S	
COMPONENET	18"-SWN-407	S	
COOLING HEAT	18"-SWN-405	S	
EXCHANGER	14"-AC-53A AUX COOLANT SYSTEM	S	
#32	14"-AC-211)	S	
RECIRCULATING	10"-SWN-11a	S	
FAN #31	10"-SWN-12b	S	
	RECIRC FAN MOTOR #31	S	
	3"-SWN-11a (AMT-8)	S	
	3"-SWN-12b (AMT-8)	S·	
	FAN DISCHARGE DUCT	E	
RECIRCULATING	10"-SWN-11d	S	
FAN #32	10"-SWN-12d	S	
·	RECIRC. FAN MOTOR #32	S	
•	3"-SWN-11d (AMT-8)	S	
	3"-SWN-12d (AMT-8)	S	
	FAN DISCHARGE DUCT	[°] S	

Jorge L. Rodriguez 9-15-82 PREPARED BY/DATE

SYSTEM	NO.	8

SHEET	5	OF	55

SAFETY RELATED COMPONENT (EQUIPMENT)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
PROTECTIVE A MITTING			
RECIRCULATING FAN #33	10"-SWN-11b	S	
FAN #33	10"-SWN-12a	S	
	RECIR FAN MOTOR #33 3"-SWN-11b (AMT-8)	S	•
	3"-SWN-11B (AFII-8) 3"-SWN-12a (AMT-8)	S	
	FAN DISCHARGE DUCT	S S	
RECIDCULATING	10"-SWN-I1c	S	
FAN #34	10"-SWN-12c	. S	,
	RECIR FAN MOTOR #34	S	
	3''-SWN-11c (AMT-8)	S	
	3''-SWN-12c (AMT-8)	s	
	FAN DISCHARGE DUCT	S	
RECIRCULATING	10"-SWN-11e	S	
FAN #35	10"-SWN-12e	S	•
	RECIRC FAN MOTOR #35	S	
	3"-SWN-11e (AMT-8)	S	
	3"-SWN-12e (AMT-8)	S	
DEGEDO DAN	FAN DISCHARGE DUCT	, S	
RECIRC FAN	2"-SWN-674 .	S	
MOTOR COOLER #35	2"-SWN-499	S	
RECIRC FAN	2"-SWN-673	S	
MOTOR COOLER #32	2"-SWN-498	S	
·			
RECIRC FAN MOTOR	2"-SWN-670	S	
COOLER #31	2"-SWN-497	S	
RECIRC FAN MOTOR	2"-SWN-671	S	
COOLER #33	2''-SWN-496	S	
RECIRC FAN MOTOR	2"-SWN-672	S	
COOLER #34	2''-SWN-495	S	
Jorge L. Rodrigu		T.P. Ruggiero	9-28-82
PREPARED BY/D	ATE	APPROVED BY/DA	

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
14"-SWN-1	14"-SWN-1081 14"-SWN-1081	S S	
14"-SWN-2	14"-SWN-1081 14"-SWN-1081	S S	
2"-PCV-1205 (CYLINDER ACTUA- TOR, SOLENOID OPERT.)	2"-SWN-1081 2"-SWN-1081 SOV-1209 INST AIR	S S S S	
2"-SWN-64	2"-SWN-1081 2"-SWN-1081	S S	
2"-SWN-65	2"-SWN-1081 2"-SWN-1081	S S	
14"-SWN-1	14"-SWN-1082 14"-SWN-1082	S S	
3"-SWN58	3"-SWN-1081 PI-1193	S S	
½"-SWN-9	3"-SWN-1081 DRAIN	S S	
3"-SWN-58	3"-SWN-1082 PI-1192	S S	
½"-SWN-9	3"-SWN-1082 DRAIN	S S	
	. ,		

Jorge L. Rodriguez	9-15-82	T.P. Rüggiero 9-28-82
PREPARED BY/DATE	•	APPROVED BY/DATE

SYSTEM	NO.	8	

SHEET	7	OF .	55
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SAFETY RELATED COMPONENT (VALVES)	INTERFACING	COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
14"-SWN-2	14"-SWN-1082		S	
	14"-SWN-1082		S	
2"-PCV-1206	2"-SWN-1082		S	
(CYLINDER ACTUA-	2"-SWN-1082		S	
TOR, SOLENOID	SOV-1209		S	
OPERT.)	INST AIR		S	
2''-SWN-64	2"-SWN-1082		S	
	2"-SWN-1082		S	
2"-SWN-65	2"-SWN-1082		S	
	2"-SWN-1082		S	
14"-SWN-1	14"-SWN-1083		S	
	14"-SWN-1083		S	
2"-PCV-1207	2"-SWN-1083		S	
(CYLINDER ACTUA-	2"-SWN-1083		S	
TOR, SOLENOID	SOV-1209		S	
OPERT)	INST AIR		S	
2"-SWN-64	2"-SWN-1083		S	
•	2"-SWN-1083		S	
2"-SWN-65	2"-SWN-1083	•	S	
	2"-SWN-1083		S	
14"-SWN-2	14"-SWN-1083	•	S	
	14"-SWN-1083		S	
3"-SWN-58	3"-SWN-1083		S	
	PI-1191		S	
Jorge L. Rodrigue	ez 9 - 15-82		T.P. Ruggiero	9-28-82
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SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) POTENTIAL NONSAFETY(N) INTERACTION (IF APPLICABL	Œ)
½"'-SWN-9	3"-SWN-1083 DRAIN	S	
	DRAIN	S ,	
14"-SWN-1	14"-SWN-1084 14"-SWN-1084	S · · S	
2"-PCV-1208	2"-SWN-1084	S	
(CYLINDER ACTUATOR	2"-SWN-1084	S	
SOLENOID OPERT)	SOV-1209	S .	
	INST AIR	S	
2''-SWN-64	2"-SWN-1084	S	
	2"-SWN-1084	S	
2"-SWN-65	2"-SWN-1084	S	
	2"-SWN-1084	S	
14"-SWN-2	14"-SWN-1084	S	
21 2011 2	14"-SWN-1084	S	
3"-SWN-58	3"-SWN-1084	S	
· · · · · · · · · · · · · · · · · · ·	PI-1273	S	
½''-SWN-9	3"-SWN-1084	S	
, only	DRAIN	S .	
14"-SWN-1	14"-SWN-1085		
14 OWN 1	14"-SWN-1085	S S	
AUTOMATIC	14"-SWN-1085	c	
STRAINER #35	14"-SWN-1085	S S	
	2"-SWN-1085	S	
	2"-SWN-1085	S S	
•	•		
Jorge L. Rodriguez		T.P. Ruggiero 9-28-82	
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SHEET	9	OF	55	
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING	COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-PCV-1209	2"-SWN-1085		S	
(CYLINDER ACTUATOR	2''-SWN-1085		S	
SOLENOID OPERT)	SOV-1209		S	
,	INST AIR		S	
2"-SWN-64	2"-SWN-1085		S	
2 2000 04	2"-SWN-1085		S	
2"-SWN-65	2"-SWN-1085		S	
2 DWN 05	2"-SWN-1085	-	S	
2"-SWN-2	14"-SWN-1085		S	
Z - SWN-Z	14"-SWN-1085		S S	
3"-SWN-58	3"-SWN-1085	·	C	
5 5WN-30	PI-1274		S S	
½''-SWN-9	3"-SWN-1085		0	
2 -3WN-9	DRAIN		S S	
1/U OID: 1	1/11	•		·
14"-SWN-1	14"-SWN-1086		S	
	14"-SWN-1086		S	
AUTOMATIC	14"-SWN-1086		S	
STRAINER #36	14"-SWN-1086		S	,
•	2"-SWN-1086		S	
•	2"-SWN-1086		S	•
2"-PCV-1210	2"-SWN-1086		S	•
(CYLINDER ACTUATOR	2"-SWN-1086		S	
SOLENOID OPERT)	SOV-1209		S	
	INST AIR		S	
	* •			
Jorge L. Rodrigue	ez 9-15-82	_	T.P. Ruggiero	9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-SWN-64	2"-SWN-1086 2"-SWN-1086	S S	
2"-SWN-65	2"-SWN-1086 2"-SWN-1086	S S	
3"-SWN-58	3"-SWN-1086 PI-1275	S S	
12"-SWN-9	3"-SWN-1086 DRAIN	S S	-
8"-SWN-5	8"-SWN-408 8"-SCREENWASH HEADER	S (CAT III) N	8-M-1
8"-SWN-4	8"-SWN-409 8"-SCREENWASH HEADER	S (CAT III) N	8-M-2
3/4"-SWN-106	24"-SWN-408 VENT	S S	
3/4"-SWN-106	24"-SWN-409 VENT	S	
16"-FCV-1111 (HANDWHEEL OPERT)	16"-SWN-1220 16"-TO VARIOUS CONVENTION PLANT SERVICES	S NAL S*	8-M-3
16"-FCV-1112 (HANDWHEEL OPERT)	16"-SWN-1219 16"-TO VARIOUS CONVENTION PLANT SERVICES	S NAL S*	8-M-4

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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-6	10"-SWN-1222 10" TO TURBINE OIL COOLERS 3.F. PUMP TURB OIL COOLERS AND SEAL OIL COOLERS	S S*	8 - M-5
10"-SWN-7	10"-SWN-1219 10" TO TURBINE OIL COOLERS 3.F. PUMP TURB. OIL COOLERS AND SEAL OIL COOLERS	S S* {	3 - M−6
NOTE: *	(ASTERISK INDICATES THAT THE SAFETY LINE RUNS THROUGH A NON-SAI AREA (TGB)	FETY	
24"-SWN-98	24"-SWN-409 24"-SWN-409	S S	
24"-SWN-100	24"-SWN-409 24"-SWN-409	S S	
1"-SWN-104	24"-SWN-409 (INST CONN.) PCV-1295 (AMT 3) PT-1190, PC-1112A, PC-1112B	s s s	
24"-SWN-96	24"-SWN-409 24"-SWN-409	s s	
24"-SWN-100	24"-SWN-409 24"-SWN-712 (CAT-III)	s · N 8	· 3 - M7
24"-SWN-97	24"-SWN-408 24"-SWN-408	S S	
Jorge L. Rodri PREPARED B	<u></u>	. Ruggiero APPROVED BY/DA	9-28-82 TE

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
24"-SWN-100	24"-SWN-408 24"-SWN-712 (CAT III)	S N 8	-M-8
½"-ROOT VALVES (SWN-59 TYP AMT.2)	16"-SWN-1219 TEST CONN.	S S	
½"-ROOT VALVES (SWN-59 TYP AMT.2)	16"-SWN-1220 TEST CONN.	S S	
24"-SWN-99	24"-SWN-408 24"-SWN-408	S S	
24"-SWN-100	24"-SWN-408 24"-SWN-408	S S	
1"-SWN-104	24"-SWN-408 (INST CONN.) PCV-1295 (AMT-3) PT-1191, PC-1111A, PC-1111B		
10"-SWN-29	10"-SWN-1099 10"-SWN-1099	S S S	
10"-SWN-30	10"-SWN-1093 10"-SWN-1093	S S	
½"-SWN-77	4"-SWN- 1101 VENT	S S	
4"-SWN-62F	4"-SWN-1101 4"-SWN-1101	· S S	
½"-SWN-77	4"-swn-1095 Vent	S S	
Jorge L. Rodrig	uez 9-15-82	T.P. Ruggiero	9-28-82

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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENT	rs safety(s) nonsafety(n)	POTENTIAL INTERACTION (IF APPLICABLE)
4"-SWN-62E	4"-SWN-1095 4"-SWN-1095	S S	
SWN-63 (3/4" SRV)	4"-SWN-1095 DRAIN	S S	
½"-SŴN-77	4"-SWN-1100 VENT	S S	
4"-SWN-62D	4"-SWN-1100 4"-SWN-1100	S S	
½''-SWN-77	4"-SWN-1094 VENT	S S	
4"-SWN-62C	4"-SWN-1094 4"-SWN-1094	S S	
SWN-63 (3/4" SRV)	4"-SWN-1094 DRAIN	S - S	
½"-SWN-77	4"-SWN-1099 VENT	S S	
4"-SWN-62B	4"-SWN-1099 4"-SWN-1099	S S	
½"-SWN-77	4"-SWN-1093 VENT	S S	
4"-SWN-62A	4"-SWN-1093 4"-SWN-1093	S S	_
Jorge L. Rodrig	uez 9-15-82	T.P. Ruggiero	9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
SWN-63	4"-SWN-1093		
(3/4" SRV)	DRAIN	S S	
½"-SWN-75	4"-SWN-1098 VENT	S S	
		5	
4"-SWN-67	4"-SWN-1098 4"-SWN-1098	S S	
½"-SWN-75	4"-SWN-1097 VENT	S ` S	
4"-SWN-67	4"-SWN-1097	S	
	4"-SWN-1097	S	
½"-SWN-75	4"-SWN-1096 VENT	S S	
4"'-SWN-67	4"-SWN-1096 4"-SWN-1096	S	
	4 -2MN-1096	S	
6"-FCV-1176 (AIR OPERT)	10"-SWN-1096 10"-SWN-1096	S . S	
(SOV-1276)	125V DC PNL #31 INST AIR	S S	
6"-FCV-1176A	10"-SWN-1096	S	
(AIR OPERT)	10"-SWN-1096	S	
(SOV-1276A)	125V DC PNL #31	S	
,	INST AIR	S	
2"-SWN-69	10"-SWN-1096 VENT	S S	
Jorge L. Rodrig	uez 9 - 15-82	T.P. Ruggiero	9-28-82

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SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-94B	3"-SWN-1223 3"-SWN-1223	S S	
2"-PCV-1296 (AIR OPERT)	3"-SWN-1223 3"-SWN-1223 INST AIR 125V DC PNL #31	S S S S	
3"-SWN-108B SWN-110B (3/4" X 1" SRV)	3"-SWN-1223 3"-SWN-1223 3"-SWN-1223 DRAIN	S S S S	
3"-SWN-108C	3"-SWN-1223 3"-SWN-1224	S S	
½"-SWN-113B (INST CONN.)	3"-SWN-1223 PI	S S.	
3"-SWN-108E	3"-SWN-1223 3"-SWN-1223	S S	
SWN-112B (DRN VALVE)	3"-SWN-1223 DRAIN	S S	
3/4"-SWN-111B	3"-SWN-1223 DRAIN	S S	
3"-SWN-109B	3"-SWN-1231 3"-SWN-1231	S S	
3"-SWN-109A	3"-SWN-1231 3"-SWN-1231	S S	
Jorge L. Rodrigo PREPARED BY/I		T.P. Ruggiero APPROVED BY/DA	9-28-82 TE

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SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-95	3"-SWN-1231	S	
	3"-SWN-1231	S	
3"-SWN-94A	3"-SWN-1224	S	
	3"-SWN-1224	S	
2"-PCV-1297	3"-SWN-1224	S	
(AIR OPERT)	3''-SWN-1224	S	
	INST AIR	S	
SOL	125V DC PNL #31	S	
3"-SWN-108A	3"-SWN-1224	S	
	3"-SWN-1224	S	
SWN-110A	3"-SWN-1224	S	
(3/4" X 1" SRV)	DRAIN .	S	
½"-SWN-113A	3"-SWN-1224	S	
(INST. CONN.)	PΙ·	S	
3"-SWN-108D	3"-SWN-1224	S	
	3"-SWN-1224	S	
SWN-112A	3"-SWN-1224	S	
(DRAIN VALVE)	DRAIN	S	•
3/4"-SWN-111A	3"-SWN-1224	S	
	DRAIN	S	
3/4"-PCV-1271	24"-SWN-405	S	
J, . + J, 12/1	3/4"-LINE FROM SAMPLE COOLER	S S	
			•

Jorge L. Rodriguez	9-15-82	T.P. Ruggiero 9-28-82
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

SYSTEM NO. ___8

INTERFACING COMPONENTS

SYSTEM INTERACTION STUDY

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3/4"-PCV-1271	18"-SWN-411 3/4"-LINE TO SAMPLE COOLER	S . S	
3/4"-SWN-37	18"-SWN-411	S	
(INST CONN)	PI-1276	S	
3"-SWN-87	3"-SWN-1200	S	
	3"-SWN-1200	S	
1½"-TCV-1113	3"-SWN-1200	S	
(AIR OPERT)	3"-SWN-1200	S	
	INST AIR	S	
	TC-1113	S	
3"-SWN-87	3"-SWN-1200	S	
	3"-SWN-1200	S	
2½''-SWN-28	2½"-SWN-1200	S	
	2½"-SWN-1200	S	
3"-SWN-47	3"-SWN-1201	S	
	3"-SWN-1201	S	
2½''-SWN-28	2½"-SWN-1201	S	
	2½"-SWN-1201	S	
2½''-SWN-27	2½"-SWN-1196	S	
•	2½"-SWN-1196	S	
SWN-86	2½"-SWN-1196	S	
(3/4" X 1" SRV)	DRAIN	S	
2½"-SWN-27	2½"-SWN-1198	s -	
	2½"-SWN-1198	S	
Jorge L. Rodri	guez 9-15-82	r.P. Ruggiero	9-28-82
PREPARED BY		APPROVED BY/DAT	

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SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONEN	TS SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
SWN-86 (3/4" X 1" SRV)	2½"'-SWN-1198 DRAIN	S S	
2½"-SWN-70	2½"-SWN-1199 2½"-SWN-1196	S S	
2½"-SWN-70	2½"-SWN-1199 2½"-SWN-1198	S S	
6"-SWN-53	6"-SWN-390 6"-SWN-390 (CAT-III	S N . 8	3 - M-9
3"-SWN-54	3"-SWN-697 3"-SWN-697 (CAT-III	S N 8	3-M-10
2"-RCV-018 (AIR OPERT)	2"-WD-263 2"-WD-263 INST AIR	S S	
SOL	125V DC PNL #32	S S	
2"-WD-1785	2"-WD-263 2"-WD-263 (CAT-III	S N 8	3-M-11
20"-SWN-32	20"-SWN-411 20"-SWN-411	S S	
18"-SWN- 34	18"-SWN-411 18"-SWN-411	S S	·
20"-SWN-31	20"-SWN-407 20"-SWN-407	S S	
18"-SWN-33	18"-SWN-407 18"-SWN-407	S S	2
Jorge L. Rodr PREPARED BY		T.P. Ruggiero	9-28-82 TE

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
18"-SWN-33	18"-SWN-407	S	
	18"-SWN-407	S.	
3/4"-SWN-37	18"-SWN-407	S	
	PI-1277	S	
18"-SWN-34	18"-SWN-407	S	
•	18"-SWN-407	· S	
SWN-36	18"-SWN-405	S	
(3/4" X 1" SRV)	DRAIN	S .	-
3/4"-SWN-49	18"-SWN-405	S	
	LOCAL SAMPLE	S	
18"-SWN-35	18"-SWN-405	s ·	
	18"-SWN-405	S	
SWN-36	18"-SWN-509	S	
(3/4" X 1" SRV)	DRAIN	S	
3/4"-SWN-49	18"-SWN-509	S	
	LOCAL SAMPLE	S	
18"-SWN-35	18"+SWN-509	S	
	18"-SWN-509	S	
18"-SWN-38	18"-SWN-408	S	
	18"-SWN-408	S	

Jorge	L.	Rodriguez	9-15-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
18"-SWN-40	18"-SWN-408	S	
	18"-SWN-408	S	
18"-SWN-39	18"-SWN-409	S	•
	18"-SWN-409	S	
2"-SWN-60	2"-SWN-11	S	
	2"-SWN-11	S	
2"-SWN-56	2"-SWN-11	· S	
	2"-SWN-11	S	<i>,</i>
2"-SWN-61	2"-SWN-11	S	
•	2"-SWN-11	S	
SWN-74	2"-SWN-11	S	
(MIXING NOZZLE)	2"-SWN-11	S	
2"-SWN-57	2"-SWN-11	. S	
	2"-SWN-11	S	
10"SWN-41	10"-SWN-11e	S	
	10"-SWN-11e	S	
1"-SWN-43	1"-SWN-471	S	
	1"-SWN-471	S	
SWN-42	1½"-SWN-471	S	
(1½" X 2½" SRV)	2½''-SWH-471	S	
½"-SWN-78	10"-SWN-11e	S	
	VENT	S	
	0.15.00	T.P. Ruggiero	0 00 00
Jorge L. Rodrigue: PREPARED BY/D	z 9-15-82 ATE	APPROVED BY/DA	9-28-82 TE

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	NONSAFETY (N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-11d	S	
1"-SWN-463 1"-SWN-463	S S	
1½"-SWN-463 2½"-SWN-463	S S	
10"-SWN-11a 10"-SWN-11a	S S	
1"-SWN-468 1"-SWN-468	S S	
$1\frac{1}{2}$ "-SWN-468 $2\frac{1}{2}$ "-SWH-468	S S	
10"-SWN-11a VENT	S S	
10"-SWN-11b 10"-SWN-11b	S S	
1"-SWN-469 1"-SWN-469	S S	
1½"-SWN-469 2½"-SWN-469	S S	
10"-SWN-11b VENT	S S	
<u> </u>	T,P, Ruggiero	9-28-82
	10"-SWN-11d 1"-SWN-463 1"-SWN-463 2½"-SWN-463 10"-SWN-11a 10"-SWN-11a 1"-SWN-468 1"-SWN-468 2½"-SWN-468 10"-SWN-11a VENT 10"-SWN-11b 10"-SWN-11b 1"-SWN-469 1"-SWN-469 1½"-SWN-469 1½"-SWN-469 10"-SWN-11b VENT	10"-SWN-11d S 1"-SWN-463 S 1"-SWN-463 S 1\frac{1}{2}"-SWN-463 S 10"-SWN-11a S 10"-SWN-11a S 11"-SWN-468 S 1"-SWN-468 S 1\frac{1}{2}"-SWN-468 S 2\frac{1}{2}"-SWN-468 S 1\frac{1}{2}"-SWN-468 S 1\frac{1}{2}"-SWN-468 S 1\frac{1}{2}"-SWN-468 S 10"-SWN-11a S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-11b S 1"-SWN-469 S 1\frac{1}{2}"-SWN-469 S 1\frac{1}{2}"-SWN-469 S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-469 S 1\frac{1}{2}"-SWN-469 S 1\frac{1}{2}"-SWN-469 S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-11b S 10"-SWN-469 S 10"-SWN-469 S 10"-SWN-11b S 10"-

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-41	10"-SWN-11c 10"-SWN-11c	S	
1"-SWN-43	1"-SWN-470	s s	
	1"-SWN-470	S	
SWN-42 (1½" X 2½" SRV)	1½"-SWN-470 2½"-SWN-470	S S	
½"-SWN-78	10"-SWN-11C VENT	S S	
½"-SWN-78	10"-SWN-12e VENT	S S	
1"-SWN-51 (AMT 5)	1"-SWN-12 1"-SWN-12	S S	
½''-SWN-72 (AMT 2)	10"-SWN-12e FT-1125	S S	
10"-SWN-44	10"-SWN-12c 10"-SWN-12c	S S	
½"-SWN-78	10"-SWN-11d VENT	S S	
½"-SWN-78	10"-SWN-12d VENT	S S	

Jorge	L.	Rod	lriguez	9-15-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-SWN-518	2"-SWN-496 2"-SWN-496	S S	
2"-SWN-505	2"-SWN-497 2"-SWN-497	S S	
½''-SWN-72 (AMT-2)	10"-SWN-12d FT-1122	S S	
10"-SWN-44	10"-SWN-12d 10"-SWN-12d	S S	
½"-SWN-78	10"-SWN-126 VENT	S S	
½"-SWN-72 (AMT-2)	10"-SWN-12b FT-1121	S S	

Jorge L. Rodriguez 9/15/82

T.P. Ruggiero 9/28/82

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SYSTEM NO. 8

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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-44	10"-SWN-12b	S	
	10"-SWN-12b	S	
1 ₂ "-SWN-78	10"-SWN-12a VENT	. S S	
½"-SWN-72	10"-SWN-12a	S	
(AMT-2)	FT-1123	S	
10"-SWN-44	10"-SWN-12a	S	•
	10"-SWN-12a	\$.	
½"'-SWN-78	10"-SWN-12c	S	•
	VENT	S	
½"-SWN-72	10"-SWN-12c	S	
(AMT-2)	FT-1124	S	,
10"-SWN-44	10"-SWN-12c	S	
	10"-SWN-12c	S	
2"-SWN-71	2"-SWN-499	S	
	2"-SWN-499	S	
2"-SWN-517	2"-SWN-499	S	
	2"-SWH-499	S	
2"-SWN-506	2"-SWN-499	S	
	2"-SWN-499	S	
2"-SWN-507	2"-SWN-499	S	
	2"-SWH-499	S	
		T.P. Ruggiero	
Jorge L. Rodrigu	ez 9-15-82	I.I. Nuggielo	9-28-82

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SYSTEM NO. 8

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-SWN-508	2"-SWN-499	S	
	2"-SWN-499	S	
2"-SWN-71	2"-SWN-498	S	
	2"-SWN-498	S	
2"-SWN-519	2"-SWN-498	S	
	2"-SWN-498	S	
2"-SWN-512	2"-SWN-498	S	
	2"-SWN-498	S	
2"-SWN-513	2"-SWN-498	S	
	2"-SWN-498	S	
2"-SWN-514	2"-SWN-498	S	
•	2"-SWN-498	S	
2"-SWN-516	2"-SWN-497	S	
	2"-SWN-497	S	
2"-SWN-503	2"-SWN-497	S	
	2"-SWN-497	· S	
2"-SWN-504	2"-SWN-497	S	
	2"-SWN-497	S	
2"-SWN-71	2"-SWN-496	S	
	2"-SWN-496	S	
2"-SWN-509	2"-SWN-496	S	
·	2"-SWN-496	S	

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SYSTEM	NO.	8
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-SWN-510	2"-SWN-496	S	
	2"-SWN-496	S	
2"-SWN-511	2"-SWN-496	S	
	2"-SWN-496	. S	
2"-SWN-71	2"-SWN-495	S	
	2"-SWN-495	S	
2"-SWN-515	2"-SWN-495	S	
	2"-SWN-495	S	
2"-SWN-500	2"-SWN-495	S	
	2"-SWN-495	S	
2"-SWN-501	2"-SWN-495	S	
	2"-SWN-495	S	
2"-SWN-502	2"-SWN-495	S	
	2"-SWN-495	S	
18"-TCV-1104	18"-SWN-406	S	
(AIR OPERT)	18"-SWN-406	S	
	(SOV-1170)	S	
18"-TCV-1105	18"-SWN-406	S	
(AIR OPERT)	18"-SWN-406	S	
	INST AIR	S	
10"-SWN-46	10"-SWN-406	S	
	10"-SWN-406	S	•
10"-SWN-45	10"-SWN-406	S	
(AMT-2)	10"-SWN-406	S	
Jorge L. Rodrigu	ez 9-15 - 82	T.P. Ruggiero	9-28-82
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SYSTEM	NO.	8

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (VALVES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
8"-TCV-1103 (AIR OPERT)	10"-SWN-406 10"-SWN-406 INST AIR TIC-1103	S S S	
3"-SWN-73' (VACUUM BREAKER)	8"-SWN-406 VENT	S S	
2"-SWN-61	2"-SWN-12 2"-SWN-12	S S	

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9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
14"-SWN-1081	SERVICE WATER PUMP #31	S	
	LN-3"-SWN-1081	S	
	14"-SWN-1	S	
	AUTOMATIC STRAINER #31	S	
24	LN-2"-SWN-1081	S	
	14"-SWN-2	S S	
	LN-24"-SWN-409	S	
3"-SWN-1081	LN-14-SWN-1081	S	i .
5 5 1001	3"-SWN-58	S	
	PI-1193	S	
	½"-SWN-9	S	
2"-SWN-1081	AUTOMATIC STRAINER #31	C	
2 -3WN-1001	2"-SWN-65	S	
	2"-SWN-64	S	
	2"-PCV-1205	S	•
	-	S	
	LN-3"-SWN-1081	S	
3"-SWN-1081	LN-2"-SWN-1081	S	•
	LN-8"-STRAINER BLOWDOWN	S	

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9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
14"-SWN-1082	SERVICE WATER PUMP #32	S	
	LN-3"-SWN-1082	S	
	14"-SWN-1	S	
	AUTOMATIC STRAINER #32	S	
	LN-2"-SWN-1082	S	
	14"-SWN-2	S	
	LN-24"-SWN-409	S	
3"-SWN-1082	LN-14"-SWN-1082	S	
	3"-SWN-58	S	
	PI-1192	S	
	½''-SWN-9	S	
2"-SWN-1082	AUTOMATIC STRAINER #32	S	
	2"-SWN-65	S	
	2"-SWN-64	S	
	2"-PCV-1206	S	
	LN-3"-SWN-1082	S	
3"-SWN-1082	LN-2"-SWN-1082	S	
5 5 7 7 7 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7	LN-8"-STRAINER BLOWDOWN	S	
14"-SWN-1083	SERVICE WATER PUMP #33	C	
14 DWK 1005	LN-3"-SWN-1083	S S	
	14"-SWN-1	\$ \$	
•	AUTOMATIC STRAINER #33	5 S	
	LN-2"-SWN-1083	S S	
•	14"-SWN-2		
	LN-24"-SWN-409	S S	
3"-SWN-1083	LN-14"-SWN-1083	S	
	3"-SWN-58	S S	
	PI-1191	S	
	½"'-SWN-9	S	•
Jorge_L. Rodri	guez 9-15-82 T	.P. Ruggiero	9-28-82
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SYSTEM	NO.	8
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	
2"-SWN-1083	AUTOMATIC STRAINER #33	. S	
	2''-SWN-65	S	
	2 ¹¹ -SWN-64	S	
	2 ^M -PCV-1207	S	
	LN-3 ^M -SWN-1083	S	
3"-SWN-1083	LN-2"-SWN-1083	S	
	LN-8"-STRAINER BLOWDOWN	S	
14"-SWN-1084	SERVICE WATER PUMP #34	S	
	LN-3"-SWN-1084	S	
	14"-SWN-1	S	
	AUTOMATIC STRAINER #34	S	
	LN-2"-SWN-1084	S	
	14"-SWN-2	S	
	LN-2"-SWN-408	S	
3"-SWN-1084	LN-14"-SWN-1084	S	
	3''-SWN-58	S	
	PI-1273	S	
	½"-SWN-9	S	
2"-SWN-1084	AUTOMATIC STRAINER #34	S	
	2**-SWN-65	S	
	2"-SWN-64	S	
	2"-PCV-1208	S	
	LN-3"-SWN-1084	S	
3"-SWN-1084	LN-2"-SWN-1084	S	
•	LN-8"-STRAINER BLOWDOWN	S	
14"-SWN-1085	SERVICE WATER PUMP #35	S	
	LN-3"-SWN-1085	S	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENT	S SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
Con't			
•	14"-SWN-1	S	
	AUTOMATIC STRAINER #35	S	
	LN-2"-SWN-1085	S	
	14"-SWN-2	S	
	LN-24"-SWN-408	S	
3"-SWN-1085	LN-14"-SWN-1085	S	
	3"-SWN-58	S	
	PI-1274	S	
	½"-SWN-9	S	
2"-SWN-1085	AUTOMATIC STRAINER #35	S	
	2"-SWN-65	S	
	2''-SWN-64	· S	
	2"-PCV-1209	S	
	LN-3"-SWN-1085	S	
3"-SWN-1085	LN-2"-SWN-1085	S	
	LN-8"-STRAINER BLOWDOWN	S	
14"-SWN-1086	SERVICE WATER PUMP #36	· S	
	LN-3"-SWN-1086 ·	S	
	14"-SWN-1	S	
	AUTOMATIC STRAINER #36	S	
,	LN-2"-SWN-1086	S	-
	14"-SWN-2	S	
· · · · · · · · · · · · · · · · · · ·	LN-24"-SWN-408	S	
3"-SWN-1086	LN-14"-SWN-1086	S	•
• •	3"-SWN-58	S	
	PI-1275	S	
•	12"-SWN-9	S	
•			
Jorge L. Rodrigu		T.P. Ruggiero	9-28-82
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SYSTEM	NO.	8
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
2"-SWN-1086	AUTOMATIC STRAINER #36	S	
	2"-SWN-65	S	
	2"-SWN-64	S	
	2"-PCV-1210	S	
	LN-3"-SWN-1086	S	
3"-SWN-1086	LN-2"-SWN-1086	S -	
	LN-8"-STRAINER BLOWDOWN	S	
24"-SWN-408	LN-14"-SWN-1084	S	
	LN-14"-SWN-1085	S	
•	LN-14"-SWN-1086	S	•
	LN-8"-SWN-408	S	
	LN-16"-SWN-1220	, S	•
	LN-10"-SWN-1222	S	
•	LN-24"-SWN-712	S	
	LN-18"-SWN-408	S	
	LN-20"-SWN-411	S	
	LN-10"-SWN-1099	S	
	3/4"-SWN-106	- S	
	24"-SWN-100	S	
	1"-SWN-104	S	
	24"-SWN-97	\ S	
	24"-SWN-100	S	•
	PCV-1295 (AMT-3)	S	
	PT-1191	.S	
•	PC-1111A	S	
	PC-1111B	S	
	24"-SWN-99	J	
	24 TOWN TOD		

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	S SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
8"-SWN-408	LN-24"-SWN-408	S	
	8"-SWN-5	S	
8"-SWN-409	LN-24"-SWN- 409	S	
	8"-SWN-4	S	
24"-SWN-409	LN-10"-SWN-1093	S	
	LN-14"-SWN-1081	S	
	LN-14"-SWN-1082	S	
	LN-14"-SWN-1083	S	
	LN-8"-SWN-409	S	
	LN-16"-SWN-1219	S	
	LN-10"-SWN-1221	S	
	LN-24"-SWN-712	S	
	LN-18"-SWN-409	S	
	LN-20"-SWN-407	S	
•	3/4"-SWN-106	S	
	24"-SWN-98	S	
	24"-SWN-100	S	•
	1"-SWN-104	S	
	24"-SWN-96	S	
	24"-SWN-100	S	
	PCV-1295 (AMT-3)	S	
	PT-1190	S	
•	PC-1112A	S	•
	PC-1112B	s s	•
16"-SWN-1219	LN-24"-SWN-409	S	
20 2011 1213	½"-SWN-59 (AMT-2)	S	
	16"-FCV-1112	S	
16"-SWN-1220	LN-24"-SWN-408	S	
	½"-SWN-59 (AMT-2)	S	
	16"-FCV-1111	S	
Jorge L. Rod	riguez 9-15-82	T.P. Ruggiero	9-28-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINE'S)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-1221	LN-24"-SWN-409	S	
	10"-SWN-7	S	
10"-SWN-1222	LN-24"-SWN-408	S	
	10"-SWN-6	S	
10"-SWN-1099	LN-24"-SWN-408	S	
	LN-3"-SWN-1197	S	
	LN-3"-SWN-1224	S	
	LN-6"-SWN-1101	S .	
	LN-6"-SWN-1100	S	
	LN-6"-SWN-1099	S	
	10"-SWN-29	S	
6"-SWN-1099	LN-10"-SWN-1099	S	
	LN-4"-SWN-1099	S	
4"-SWN-1099	LN-6"-SWN-1099	S	
	LN-4"-SWN-1093	S	
	¹ ₂ ''-SWN-77	S	
	4"-SWN-62B	S	
10"-SWN-1093	LN-24"-SWN-409	S	
	LN-3"-SWN-1196	S	
	LN-3"-SWN-1223	S	
	LN-6"-SWN-1095	S	
	LN-6"-SWN-1094	S	
	LN-6"-SWN-1093	S	
	10"-SWN-30	S	

 Jorge	L.]	Rodrig	uez	9-15-8
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T.P.	Ruggier	0	9-28-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
6"-SWN-1093	LN-10"-SWN-1093	S	
	LN-4"-SWN-1093	S	
4"-SWN-1093	LN-6"-SWN-1093	S	
	LUBE OIL COOLER #31	S	
	JACKET WATER COOLER #31	. S	•
	½"'-SWN-77	S	
	4"-SWN-62A	S	
	SRV-SWN-63	S	
	TI-1306	S	
6"-SWN-1100	LN-10"-SWN-1099	S	
	LN-4"-SWN-1100	S .	
4"-SWN-1100	LN-6"-SWN-1100	S	
	LN -4"- SWN-1094	S	
	½''-SWN-77	S	
•	4"-SWN-62D	S	
6"-SWN-1094	LN-10"-SWN-1093	S	
	LN-4"-SWN-1094	· S	
4"-SWN-1094	LN-6"-SWN-1094	C	
- SWN-1094	LUBE OIL COOLER #32	S S	
	JACKET WATER COOLER #32	S S	
•	½"-SWN-77	S S	
	4"-SWN62C	S	•
	SRV-63	S ·	
	TI-1307	S	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	
6"-SWN-1101	LN-10"-SWN-1099 LN-4"-SWN-1101	S S	·
4"-SWN-1101	LN-6"-SWN-1101 LN-4"-SWN-1095 ½"-SWN-77 4"-SWN-62F	S S S S	
6"-SWN-1095	LN-10"-SWN-1093 LN-4"-SWN-1095	s s	
4"-SWN-1095	LN-6"-SWN-1095 LUBE OIL COOLER #33 JACKET WATER COOLER #33 ½"-SWN-77 4"-SWN-62E SRV-63 TI-1308	S S S S S S S	·
4"-SWN-1096	JACKET WATER COOLER #31 LUBE OIL COOLER #31 LN-6"-SWN-1096 12"-SWN-75 4"-SWN-67 TI-1281	S S S S S	·
6"-SWN-1096	LN-4"-SWN-1096 LN-10"-SWN-1096	S S	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
4''-SWN-1097	LUBE OIL COOLER #32	S	
4 DWN 1037	JACKET WATER COOLER #32	S S	
•	LN-6"-SWN-1097	S	
	½"-SWN-75	S	
	4''-SWN-67	S	
	TI-1282	S	
6"-SWN-1097	LN-4"-SWN-1097	S	
	LN-10"-SWN-1096	S	
4"-SWN-1098	LUBE OIL COOLER #33	S	
	JACKET WATER COOLER #33	S	
	LN-6"-SWN-1098	S	
	½''-SWN-75	S	
	4"-SWN-67	S	
	TI-1283 '	S	
6"-SWN-1098	LN-4"-SWN-1098	S	•
	LN-10"-SWN-1096	S	
10"-SWN-1096	LN-6"-SWN-1096	S	
•	LN-6"-SWN-1097	S	
	LN-6"-SWN-1098	S	
	LN-3"-SWN-1231	S	•
	LN-3"-SWN-1200	S	
	LN-24"-SWN-405	S	•
	6"-FCV-1176	S	
	6"-FCV-1176A	S	
	2"-SWN-69	· S	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-1223	LN-10"-SWN-1093	S	
	3"-SWN-94B	S	·
	2"-PCV-1296	S	
	3"-SWN-108B	S	
	SRV-SWN-110B	S	
	3"-SWN-108C	S	
	$\frac{1}{2}$ "-SWN-113B, (PI)	S	
	3"-SWN-108E	S	
	SWN-112B	S	
	3/4"-SWN-111B	S	
	A.C. UNIT #31 CONDENSER	S	
3"-SWN-1224	3"-SWN-94A	S	
	2''-PCV-1297	S	
	3"-SWN-108A	S	
	SRV-110A	S	
	½"-SWN-113A, (PI)	S	
	3"-SWN-108D	S	
	SWN-112A	S	
	3/4"-SWN-111A	S	
	A.C. UNIT #32 CONDENSER	S	
3"-SWN-1231	3"-SWN-109A	S	
	3"-SWN-109B	S	
	3"-SWN-95	S	
•	A.C. UNIT #31 CONDENSER	. S	
	A.C. UNIT #32 CONDENSET	. 3 S	
	LN-10"-SWN-1096	\$ \$	
	ALIA TO DWIN TOYO	5	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-1200	LN-10"-SWN-1096	S	•
	LN-3"-SWN-1201	S	
	LN-2½"-SWN-1202 LN-2½"-SWN-1200	S	
	1"-SWN-87	S S	
	1½"-TCV-1113	S S	
	3"-SWN-87	S	
	TI-1314	S	
2½"-SWN-1200	2½"'-SWN-28	S	
•	COOLING WATER HEAT EXCHANGER #		
	LN-3"-SWN-1200	S	
3"-SWN-1201	LN-3"-SWN-1200	S	
	LN-3"-SWN-1202	S	
	LN-2½"-SWN-1201	S	
•	3"-SWN-47	S	
2½"-SWN-1201	LN-3"-SWN-1201	S	
	2½"-SWN-28	S	
•	COOLING WATER HEAT EXCHANGER #	31 S	
2½"-SWN-1196	LN-3"-SWN-1196	S	
	2½"-SWN-27	S	•
•	COOLING WATER HEAT EXCHANGER #	32 S	
	LN-2½"-SWN-1197	Ś	

Jorge L. Rodriguez 9-15-8

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-1196	LN-10"-SWn-1093	S	
	LN-2½"-SWN-1198	S	
	LN-2½"-SWN-1196	S	
2½"-SWN-1198	LN-3"-SWN-1196	S	
-	LN-2½"-SWN-1199	S	
•	COOLING WATER HEAT EXCHANGER #3		
. 2½"-SWN-1199	LN-2½"-SWN-1198	S	
	LN-3"-SWN-1197	S	
	2½"-SWN-70	S	
2½"-SWN-1197	LN-2 ¹ 3''-SWN-1196	S	
	LN-3"-SWN-1197	S	·
	2½"-SWN-70	S	
3"-SWN-1197	LN-2½"-SWN-1199	S	
	LN-2½"-SWN-1197	S	
	LN-10"-SWN-1099	S	
18"-SWN-408	LN-24"-SWN-408	S	
•	LN-2"-SWN-11	S	
	LN-14"-SWN-408	S	
	LN-10"-SWN-11a	S	•
	LN-10"-SWN-11b	S	
	LN-10"-SWN-409	S	
	LN-10"-SWN-11C	S	
	18"-SWN-38	S	
	18"-SWN-40	S	
	18"-SWN-40	S	

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
211 Crps 11	TW 10H GVP: 400		
2"-SWN-11	LN-18"-SWN-408	S	
	LN-18"-SWN-409	S	
	LN-2"-SWN-12	S	
•	LN-18"-SWN-406	S	
	2"-SWN-56	S	
	2"-SWN-60	S	
	2"-SWN-61	S	•
	SWN-74 (MIXING NOZZLE)	S	
	TI-1264	S	
	RE-16	S	
	RE-23	S	
	TC-1111S	S	
	3"-FI-1112	S	
·	2"-SWN-57	S	
20"-SWN-411	LN-24"-SWN-408	S	
20 BWN 411	LN-18"-SWN-411	S	
	20"-SWN-32	S	
	20 -3WN-32	ی	
18"-SWN-411	LN-20"-SWN-411	S	
	LN-20"-SWN-407	S	
	3/4"-SWN-37 (PI-1276)	S	
	3/4"-PCV-1271	S	
	18"-SWN-34	S	•
	COMPONENT COOLING HT EXCH #31	S	

Jorge L. Rodriguez 9-15-82

T.P. Ruggiero 9-28-82

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SYSTEM NO.

SHEET	42	OF	55

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
18"-SWN-4.09	LN-2011-SWN-407	S	
	LN-2"-SWN-11	. S	
	ĽN-18"-SWN-408	S	
	18"-SWN-39	S	
20''-SWN-407	LN-24"-SWN-409	S	
	LN-18"-SWN-407	S	
	LN-18"-SWN-411	S	
	20"-SWN-31	S	
18"-SWN-407	LN-20"-SWN-407	S	
	18"-SWN-33	S	
	18"-SWN-33	S	
•	3/4"-SWN-37 (PI-1277)	S	
	18"-SWN-34	S	
	COMPONENT COOLING HT EXCH #32	S	
18"-SWN-405	3/4"-SWN-49	S	
	SRV-SWN-36	S	
•	18"-SWN-35	S	
	TI-1237	S	
	COMPONENT COOLING HT EXCH #32	S	
	LN-24"-SWN-405	S	
18"-SWN-509	LN-24"-SWN-405	S	
	COMPONENT COOLING HT EXCH #31	S	
•	3/4"-SWN-49	S	
	SRV-SWN-36	S	
	18"-SWN-35	S	
	TI-1238 -	S	

Jorge L.	Rodriguez	9-15-82
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SYSTEM	NO.	8

SHEET	43	OF	55	

INTERFACING COMPONENTS

SAFETY RELATED INTERFACING COMPONENTS COMPONENT (LINES)		SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)	
24"-SWN-405	LN-18"-SWN-406	S		
24 BWN 40.5	LN-18"-SWN-405			
	LN-18"-SWN-509	S S		
	LN-18 -SWN-309 LN-14"-SWN-410	S S		
	LN-3/4"-FROM SAMPLE COOLER	S		
	LN-2"-WD-263	S		
	LN-6"-SWN-390	S	•	
	LN-10"-SWN-1096	S		
	DISCHARGE CANAL	S		
14"-SWN-410	LN-24"-SWN-405	S	•	
	ATMOSPHERIC VENT	S		
3/4"-FROM SAMPLE	LN-24"-SWN-405	S		
COOLER	3/4"-SWN-1271	S		
2"-WD-263	LN-24"-SWN-405	S		
	2"-WD-1785	S		
	2"-RCV-018	S		
6"-SWN-390	LN-3"-SWN-697	S	·	
	LN-24"-SWN-405	S		
	6"-SWN-53	S		
3"-SWN-697	LN-6"-SWN-390	S		
•	3"-SWN-54	S		
14"-SWN-408	LN-18"-SWN-408	S	•	
	LN-10''-SWN-11d	S		
	LN-10"-SWN-11e	S	•	

Jorge	L.	Rodriguez	9-1.

T.P. Ruggiero

9-28-82

SHEET 4	4 · OF	55
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)	
10"-SWN-11C	TW 1011 CIPY (00			
10 -SWN-11C	LN-18"-SWN-408	S		
	LN-1"-SWN-470	S		
	LN-1½"-SWN-470 LN-1"-SWN-668	S		
	LN-1 -SWN-608 LN-2"-SWN-672	S		
		S S	•	
	3"-SWN-11C (AMT 8) 10"-SWN-41	. S		
	10 -5WN-41 1 ₂ ''-SWN-78			
	2 -SWN-/8	S		
3"-SWN-11C	CONTAINMENT BLDG VENTILATION			
	COOLING COILS	S		
(AMT 8)	LN-10"-SWN-11C	S		
1"-SWN-668	LN-10"-SWN-11C	S		
	LN-10"-SWN-11C	S		
2"-SWN-672	LN-10"-SWN-11C	S	·	
2 0 0,2	LN-2"-SWN-495	S		
	RECIRC FAN MOTOR COOLER #34	S		
1"-SWN-470	LN-10"-SWN-11C	s		
2 2/11 470	LN-2½"-SWN-470	S		
	1"-SWN-43	S		
	1 5 1 1 5	5		
$1\frac{1}{2}$ "-SWN-470	LN-10"-SWN-11C	S		
	SRV-42	S		
2½"-SWN-470	SRV-42	S		
	LN-1"-SWN-470	. S	•	
	LN-3"-SWN-471	S		
	•			

Jorge L. Rodriguez 9-15-82

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9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)	
10ll cipy 111	77.10"	_		
10"-SWN-11b	LN-18"-SWN-408	S		
	LN-1½"-SWN-469 LN-1"-SWN-469	S		
	LN-1"-SWN-469 LN-1"-SWN-667	S		
	LN-1 -5WN-607 LN-2"-SWN-671	S		
		S		
	LN-3"-SWN-11b (AMT-8) 10"-SWN-41	S		
	5"-SWN-78	S		
	≥ -SWN-/8	S		
1½"-SWN-469	LN-10"-SWN-11b	S		
12 3/11 103	SRV-SWN-42	S		
	SILV SWIL 42	J		
2½"-SWN-469	SRV-SWN-42	S		
	LN-1"-SWN-469	S		
	LN-3"-SWN-471	S		
		~		
1"-SWN-469	LN-10"-SWN-11b	S		
	$LN-2\frac{1}{2}$ "-SWN-469	S		
	1"-SWN-43	S		
3"-SWN-11b	CONTAINMENT BLDG VENTILATION COC	OLING		
	COIL #33	S		
(AMT-8)	LN-10"-SWN-11b	S		
			•	
1"-SWN-667	LN-10"-SWN-11b	s ·		
	LN-10"-SWN-11b	S		
Oll Gray (7)	10!! 14	_		
2"-SWN-671	LN-10"-SWN-11b	S		
	LN-2"-SWN-496	S		
	RECIRC FAN MOTOR COOLER #33	S		

Jorge L. Rodriguéz 9-15-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-11a	LN-18"-SWN-408	S	
	$LN-1\frac{1}{2}U-SWN-468$	S	
	LN-1"-SWN-468	S	
	LN-1"-SWN-666	S	
	LN-2"-SWN-673	S	
	LN-3"-SWN-11a (AMT-8)	S	
	10"-SWN-41	S	•
	½"-SWN-78	S	
3"-SWN-11a (AMT-8)	CONTAINMENT BLDG VENTILATION COOLIN	NG S	
	LN-10"-SWN-11a	S	•
1½"-SWN-468	SRV-42	.\$	
	LN-10"-SWN-11a	S	
2½"-SWN-468	SRV-42	S	
	LN-1"-SWN-468	S	
•	LN-3"-SWN-471	S	
1"-SWN-468	LN-10"-SWN-11a	S	
	$LN-2\frac{1}{2}''-SWN-468$	S	
	1"-SWN-43	S	
1"-SWN-666	LN-10"-SWN-11a	S	
	LN-10"-SWN-11a	S	
2"-SWN-670	LN-10"-SWN-11a	S	
	LN-2"-SWN-497	S	
	RECIRC. FAN MOTOR COOLER #31	S	•

Jorge L. Rodriguez 9-15-82

T.P. Ruggiero 9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-11d	LN-14"-SWN-408	S	
	LN-1½"-SWN-463	S	
	LN-1"-SWN-463	S	
	LN-2"-SWN-673	S	
	LN-3''-SWN-11d (AMT-8)	S	
	10"-SWN-41	S	
	¹ 2"-SWN-78	.S	
3"-SWN-11d	LN-10"-SWN-11d	S	
(AMT-8)	CONTAINMENT BLD. BENTILATION COOL	ING S	
	COIL #32	S	
2"-SWN-673	LN-10"-SWN-11d	S	
	RECIRC. FAN MOTOR COOLER #32	S	
1"-SWN-463	LN-10"-SWN-11d	S	
	$LN-2\frac{1}{2}"-SWN-463$	S	
	1"-SWN-43	S	
1½"-SWN-463	SRV-42	S	
-	LN-10"-SWN-11d	S	•
2½"-SWN-463	SRV-42	S	
-	LN-1"-SWN-463	S	-
	LN-3"-SWN-471	S	

Jorge	L.	Rodriguez	9-15-8

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-11e	LN-14"-SWN-408	S	
	LN-1½"-SWN-471	S	
	LN-1"-SWN-471	S	
	LN-1"-SWN-669	S	
	LN-2''-SWN-674	S	
	LN-3"-SWN-11e	S	•
	10"-SWN-41	S	
	¹ ₂ "-SWN-78	S	
3"-SWN-11e	CONTAINMENT BLDG. VENTILATION COOL	ING	
	COIL #35	S	
(8-TMA)	LN-10"-SWN-11e	S	
2"-SWN-674	LN-10"-SWN-11e	S	
	LN-2"-SWN-499	S	
	RECIRC FAN MOTOR COOLER #35	S	
1"-SWN-669	LN-10"-SWN-11e	S	
	LN-10"-SWN-11e	S	
1"-SWN-471	LN-10"-SWN-11e	S	
•	$LN-2\frac{1}{2}"-SWN-471$	S	
1½"-SWN-471	LN-10"-SWN-11e	S	•
	SRV-42	S	
2½"-SWN-471	SRV-42	S	
•	LN-1"-SWN-471	S	
	LN-3"-SWN-471	S	
	•		

Jorge	L.	Rodriguez	9-15-82

T.P. Ruggiero 9-28-82

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
		_	
3"-SWN-471	$LN-2\frac{1}{2}$ "-SWN-471	S	
	$LN-2\frac{1}{2}"-SWN-463$	S	
	LN-2½"-SWN-468	S	
	$LN-2\frac{1}{2}$ "-SWN-469	S	
	$LN-2\frac{1}{2}$ "-SWN-470	S	
	LN-3"-SWN-470	S	
3"-SWN-470	LN-3"-SWN-471	S	
•	LN-18"-SWN-406	S	
10"-SWN-12C	LN-3"-SWN-12C (AMT-8)	S	
10 2411 120	LN-1"-SWN-752	S	
	LN-1"-SWN-12	S	
	LN-18"-SWN-406	S	
	½"-SWN-72 > FT-1124	S	
	½"-SWN-72 3	S	
	5"-SWN-78	S	
	TI-1232	S	
	10''-SWN-44	S	
	10 BWN 44	5	•
3"-SWN-12C	CONTAINMENT BLDG. VENTILATION COOLING	3	
	COIL #34	S	
(AMT-8)	LN-10"-SWN-12C	S	
1"-SWN-752	LN-10"-SWN-12C	S	
•	LN-10"-SWN-12C	S	
1"-SWN-12	LN-10"-SWN-12C	S	
	1"-SWN-51	S	
	LN-2"-SWN-12	S	
_			

Jorge L.	Rodriguez	9-15-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN- 12a	LN-3"-SWN-12a (AMT-8) LN-1"-SWN-751 LN-1"-SWN-12 LN-18"-SWN-406 ½"-SWN-78 ½"-SWN-72 ½"-SWN-72 TI-1233 10"-SWN-44	S S S S S S S S S	
3"-SWN-12a (AMT-8)	CONTAINMENT BLDG VENTILATION COOLING LN-10"-SWN-12a	G COILS S S	
1"-SWN-751	LN-10"-SWN-12a LN-10"-SWN-12a	S S	
1"-SWN-12	LN-10"-SWN-12a 1"-SWN-51 LN-2"-SWN-12	S S S	
10"-SWN-12b	LN-3"-SWN-12b (AMT 8) LN-1"-SWN-750 LN-1"-SWN-12 LN-18"-SWN-406 ½"-SWN-78 ½"-SWN-72 ½"-SWN-72 TI-1234 10"-SWN-44	S S S S S S S S	

Jorge	L.	Rodriguez	9-15-8
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T.P. Ruggiero 9-28-82
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فللمعتبية والمتعالم والأرازي والأراز والمتعارين المحملينين والمناوي المرازاة المتهاويين المراج المرازات والرازا

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
3"-SWN-12b	CONTAINMENT BLDG VENTILATION COOLI	NG COILS S	
(AMT 8)	LN-10"-SWN-12b	S	
1"-SWN-750	LN-10"-SWN-12b	S	
	LN-10"-SWN-12b	S	
1"-SWN-12	LN-10"-SWN-12b	S	
	LN-2"-SWN-12	S	
	1"-SWN-51	S	
10"-SWN-12d	LN-3"-SWN-12d (AMT-8)	S	
	LN-1"-SWN-12	S	
	LN-14"-SWN-406	S	•
	½"-SWN-78	S	
	½"-SWN-72 FT-1122	S	
	½"-SWN-72 F1-1122	S	
	TI-1235	S	
	10"-SWN-44	S	
3"-SWN-12d	CONTAINMENT BLDG VENTILATION COOLI	NG COILS S	
(AMT-8)	LN-10"-SWN-12d	S	
1"-SWN-12	LN-10"-SWN-12d	S	
	1"-SWN-51 ·	S	
	LN-2"-SWN-12	S	

Jorge L. Rodriguez

9-15-82

T.P. Ruggiero

9-28-82

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SYSTEM	NO.	8

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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT(LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
10"-SWN-12e	LN-3"-SWN-12e (AMT-8)	S _.	
10 BWN 126	LN-1"-SWN-749	. S	
	LN-1"-SWN-12	S	
	LN-14"-SWN-406	S .	
•	½''-SWN-78	S	
	½"-SWN-72 3 FT-1125	S	
	½"-SWN-/2)	Ş	
	TI-1236 10"7SWN-44 LN-10"-SWN-12e	50 5050 50	
1"-SWN-749			
	LN-10"-SWN=12e	S	
1"-SWN-12	LN-10"-SWN-12e	S	
	1"-SWN-51	S	
	LN-2"-SWN-12	S	
2"-SWN-12	LN-1"-SWN-12	S	
e e	1"-SWN-61	S	
	2"-SWN-74 (MIXING NOZZLE)	S .	
14"-SWN-406	LN-10"-SWN-12e	S	
	LN-10"-SWN-12d	S	
	LN-18"-SWN-406	S	
18"-SWN-406	LN-10"-SWN-12b	S	
	LN-10"-SWN-12a	· S	
	LN-10"-SWN-12c	S	
	LN-14"-SWN-406	S	
	LN-3"-SWN-470	S	
	LN-4"-SWN-494	S	
·	LN-2"-SWN-12	S	
	LN-24"-SWN-405	S	
	LN-10"-SWN-406	S	

Jorge L. Rodriguez 9-15-82
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT(LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
Con't			
	TI-1239	S	
	18"-TCV-1104	S	
	18"-TCV-1105	S	
	LN-8"-SWN-406	S	
10"-SWN-406	LN-18"-SWN-406	S	
	10"-SWN-46	S	
	10"-SWN-45	S	
	10"-SWN-45	S	
	8"-SWN-TCV-1103	S	
8"-SWN-406	3''-SWN-73	S	
	LN-18"-SWN-406	S	
2"-SWN-495	RECIRC FAN MOTOR COOLER #34	S	
	TI-1312	S	
	2"-SWN-71	S	
	2"-SWN-515	S	•
	2"-SWN-500	·. S	•
	2"-FI-7007	S	
	2"-SWN-501	S	
	2"-SWN-502	S	
	LN-2"-SWN-672	S	
	LN-4"-SWN-494	S	
2"-SWN-496	RECIRC FAN MOTOR COOLER #33	S	
	TI-1311	S	
	2"-SWN-71	S	
,	2"-SWN-518	S	
	2"-SWN-509	S	
	2"-FI-7008	·. S	
•	2"-SWN-510	S	•
•	2"-SWN-511	S	
Jorge L. Ro	driguez 9-15-82	T.P. Ruggiero	9-28-82
PREPARED E		APPROVED BY/DA	TE

SHEET	54	OF	55	
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INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENT	rs safety(s) nonsafety(n)	POTENTIAL INTERACTION (IF APPLICABLE)
Con't			
	LN-2"-SWN-671	· S	× .
	LN-4"-SWN-494	S	
2"-SWN-497	RECIRC FAN MOTOR COOLER #31	S	
	TI-1309	S	•
•	2"-SWN-71	S	
	2"-SWN-516	S	
	2"-SWN-503	S	
	2"-FI-7003	S	
	2"-SWN-504	S	
	2"-SWN-505	S	
	LN-2"-SWN-670	S	
	LN-4"-SWN-494	S	
2"-SWN-498	RECIRC FAN MOTOR COOLER #32	S	
	TI-1310	S	
	2"-SWN-71	S	
	2"-SWN-519	· s	
	2"-SWN-512	S	
	2"-FI-7010	. S	
	2"-SWN-513	S	
	2"-SWN-514	S	
	LN-2"-SWN-673	S	
•	LN-4"-SWN-494	S	

Jorge L. Rodriguez 9-15-8
PREPARED BY/DATE

SYSTEM	NO.	8

SHEET	55	OF	55

INTERFACING COMPONENTS

SAFETY RELATED COMPONENT (LINES)	INTERFACING COMPONENTS	SAFETY(S) NONSAFETY(N)	POTENTIAL INTERACTION (IF APPLICABLE)
Oll Girl 100			
2"-SWN-499	RECIRC FAN MOTOR COOLER #35	S	
	TI-1313	S S	
	2"-SWN-71	· S	
	2"-SWN-517	S	
	2"-SWN-506	S	
	2"-FI-7011	S	
	2"-SWN-507	S	
	2"-SWN-508	S	
	LN-2"-SWN-674		
	LN-4"-SWN-494	S	
4"-SWN-494	LN-2"-SWN-495	S	
	LN-2"-SWN-496	S	
	LN-2"-SWN-497	S	
•	LN-2"-SWN-498	S	
	2"-FI-1130	S	
	TI-1280	S	
	LN-18"-SWN-406	S	

Jorge L. Rodriguez

9-15-82

T.P. Ruggiero

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Interconnected System Interaction Evaluation Notes

- 1. Rupture of non-seismic line
- 2. Leakage from connecting line
- 3. Valve required to be closed fails open
- 4. Valve required to be open fails closed
- 5. Loss of flow or insufficient flow
- 6. Loss of function due to loss of motive power
- 7. Electrical fault

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY SYSTEMS INTERACTION EVALUATION

SISIEM NO	8 				
SYSTEM NAME	SERVICE WAT	ER SYSTEM			
					
\					
TT 14 X 11 A MT (N) . CAS	TTOOD !		NOV. CONTROLLE		
EVALUATION CA	TEGORY		NON-CONNECTED		
			INTERCONNECTED	Х	

TOTAL THE RESTRICTION ENGINEERS DATE / 17/82

WAGINSUNGH 9-30-82

Ebasco Services Incorporated

System	No.	8
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Sheet	1	of	11	

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

NIID CD DD	INTERACTION 8-M-1	
CONNECTED	COMPONENT: 8"-SCREENWASH HEADER	
BOUNDARY S	AFETY RELATED	

POSTULATED FAILURE (SEE NOTES): 1
METHOD OF DETECTION: None

EVALUATION OF INTERACTION:

COMPONENT (S):

8"-SWN-5

Valve is Safety Related, However valve is Hand operated and normally open, There-fore water can be lost before it is detected and no means of automatic isolation is available. Further evaluation required.

ACCEPTABLE	X POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82	W A Griswold 9-30-82
INTERACTION ENGINEER / DATE	VERTETED/DATE

Ebasco Services Incorporated

System No. 8	Sheet_	2 of 11	l
POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET			
POTENTIAL INTERACTION NUMBER: 8-M-2			•
CONNECTED COMPONENT: 8"-SCREENWASH HEADER			
BOUNDARY SAFETY RELATED COMPONENT (S):			
8"-SWN-4			
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None			
EVALUATION OF INTERACTION:			
See previous sheet.			

•

X POTENTIALLY UNACCEPTABLE

J L Rodriguez 8-30-82
INTERACTION ENGINEER/DATE

W A Griswold 9-30-82 VERIFIED/DATE

System No. 8	System	No.	8	
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Sheet	3	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

EVALUATION SHEET		
POTENTIAL INTERACTION		
NUMBER: 8-M-3		
CONNECTED COMPONENT: 16"-LINE TO VARIOUS Convention	onal Plant Ser	vices
BOUNDARY SAFETY RELATED COMPONENT (S):		
16"-FCV-1111		
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None		
EVALUATION OF INTERACTION:		
Although line is safety related, assume rupture sinc Non-Seismic Area.	e the line ru	ns through a
		•
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82 W	A Griswold	9-30-82
INTERACTION ENGINEER / DATE	VERIF	ED/DATE

Ebasco Services Incorporated

System	No.	8

Sheet	4	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK

INDIAN POINT 3 NUCLEAR SYSTEM INTERACTIO INTERCONNECTED SYSTEMS EVALUATION SH	N STUDY INTERACTION	
EVALUATION SA	PF1	
		•
POTENTIAL INTERACTION NUMBER: 8-M-4		
CONNECTED COMPONENT: 16" LINE TO VARIOUS CONVE	NTIONAL PLANT SERVI	ICES
BOUNDARY SAFETY RELATED COMPONENT (S):		
16"-FCV-1112		
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None		
EVALUATION OF INTERACTION:		
Although line is safety related, assume rupture Non-Seismic Area (TURBINE BUILDING). The Safety has no automatic isolation means. Further evaluation	related portion o	
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82	W A Griswold	9-30-82
INTERACTION ENGINEER / DATE	VERIFI:	ED/DATE

System	No.	8	

Sheet	5	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

	11111110011	EVALUATION		HOLLON			
		•					
			-				
POTENTIAL INTERACTION NUMBER: 8-M-5	4				•		
CONNECTED COMPONENT:	10"-LINE TO	TURBINE OI	L COOLERS	3.F. PUI	1P TURB.	OIL	
	COOLERS AND			·	·		
BOUNDARY SAFETY RELATED COMPONENT (S):	TED						
10"-SWN-6				'			
POSTULATED FAILURE (METHOD OF DETECTION:		1					•
EVALUATION OF INTERAC	CTION:						
See previous sheet.							
		•					
						•	
ACC	EPTABLE	·	<u></u>	X		POTENTIALI - UNACCEPTAL	
						·	
J L Rodriguez S	9-30-82 DATE		W A	A Griswol VE	d 9-1 RIFIED/D	30-82 ATE	

Sheet_	6	of	11
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System 1	No.	8
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

	EVALUATION S	SHEET	
POTENTIAL INTERACTION NUMBER: 8-M-6			
CONNECTED COMPONENT:	10"-LINE TO TURBINE OIL AND SEAL OIL COOLERS.		TURB. OIL COOLERS
BOUNDARY SAFETY RELAT	ED		
10"-SWN-7			
		·	_
POSTULATED FAILURE (AMETHOD OF DETECTION: 1			
EVALUATION OF INTERACT	rion:		-
See sheet No. 4.	•	•	
ACCI	EPTABLE	x	POTENTIALLY UNACCEPTABLE
J L Rodriguez . 8-		W A Griswold	9-30-82
INTERACTION ENGINEER /	DATE	VER	IFIED/DATE

System No. 8									Sheet_	7	of <u>ll</u>	_
1												
	POWER	AUTHORITY	OF	THE	STATE	OF	NEW	YORK				

INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

POTENTIAL INTERACTION NUMBER: 8-M-7 CONNECTED COMPONENT: 24"-SWN-712 BOUNDARY SAFETY RELATED COMPONENT (S): 24"-SWN-100 POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None EVALUATION OF INTERACTION: Check valve will close in an event of a Non-Seismic Line Rupture. ACCEPTABLE

POTENTIALLY - UNACCEPTABLE

J L Rodriguez 8-30-82 INTERACTION ENGINEER / DATE

W A Griswold_ 9-30-82 VERIFIED/DATE

System No. 8

Sheet	8.	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

·	EVALUATION	SHEET	
POTENTIAL INTERACTION NUMBER: 8-M-8			
CONNECTED COMPONENT: 24"-SWN-712			
BOUNDARY SAFETY RELATED COMPONENT (S):			
24"-SWN-100		•	
POSTULATED FAILURE (SEE NOTES): METHOD OF DETECTION: None	1		
EVALUATION OF INTERACTION:			·
See sheet 7			
X ACCEPTABLE			POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82		W A Griswold	9-30-82
INTERACTION ENGINEER / DATE		VERI	FIED/DATE .

Sheet	9	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

SYSTEM INTERACTION INTERCONNECTED SYSTEMS EVALUATION SE	SINTERACTION	
POTENTIAL INTERACTION NUMBER: 8-M-9		
CONNECTED COMPONENT: 6"-SWN-390		
BOUNDARY SAFETY RELATED COMPONENT (S):		
6"-SWN-53		
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None		
EVALUATION OF INTERACTION:		•
Valve is Safety Related, however valve is hand Therefore water can be lost before it is detect isolation is available. Further evaluation req	ed and no means of	lly open, automatic
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82 INTERACTION ENGINEER/DATE	W A Griswold VERTET	9-30-82 ED/DATE
,	• ****** *	

Sheet	10	of	11

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

POTENTIAL INTERACTION NUMBER: 8-M-10		
CONNECTED COMPONENT: 3"-SWN-697		
BOUNDARY SAFETY RELATED COMPONENT (S):		
3"-SWN-54		
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None		
EVALUATION OF INTERACTION:		
No effect on Subject Safety System, due to Norvalve as boundary.	mally Closed-Safe	ty Class I
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE
J L Rodriguez 8-30-82 INTERACTION ENGINEER/DATE	W A Griswold VERI	9-30-82 FIED/DATE

Sheet	11	of	11

System No.	8
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

INTERCONNECTED SYSTEMS INTERACTION EVALUATION SHEET				
POTENTIAL INTERACTION NUMBER: 8-M-11				
CONNECTED COMPONENT: 2"-WD-263	um.			
BOUNDARY SAFETY RELATED COMPONENT (S):				
2"-WD-1785	•			
POSTULATED FAILURE (SEE NOTES): 1 METHOD OF DETECTION: None				
EVALUATION OF INTERACTION:				
Valve is Safety Related, however valve is no fore water can be lost before it is detected automatic isolation. Further evaluation red	d. Valve RCV-018 can	operated, there- be used for		
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE		
J L Rodriguez 8-30-82	W A Griswold	9-30-82		
INTERACTION ENGINEER / DATE	VERIF	IED/DATE		

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY MATRIX PREPARATION

SYSTEM NO	8			
SYSTEM NAME	SERVICE WATER SYSTE	M		
MATRIX CATEGORY		NON-CONNECTED	X	
		INTERCONNECTED		

PREMARED BY/DATE 8/9/82

Flygger 5/17/82 APPROVED BY/DATE



SOURCES NO INTERACTION LINES Ĺ-8 χ 1 1"-SWN-666 2 Χ 1"-SWN-667 1"-SWN-668 Χ 3 1"-SWN-750 Χ 5 1"-SWN-751 6 1"-SWN-752 χ TARGETS

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE:_

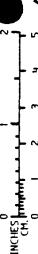
LOCATION: QUADRANT I - EL-46'-0 WITHIN FIRE ZONE

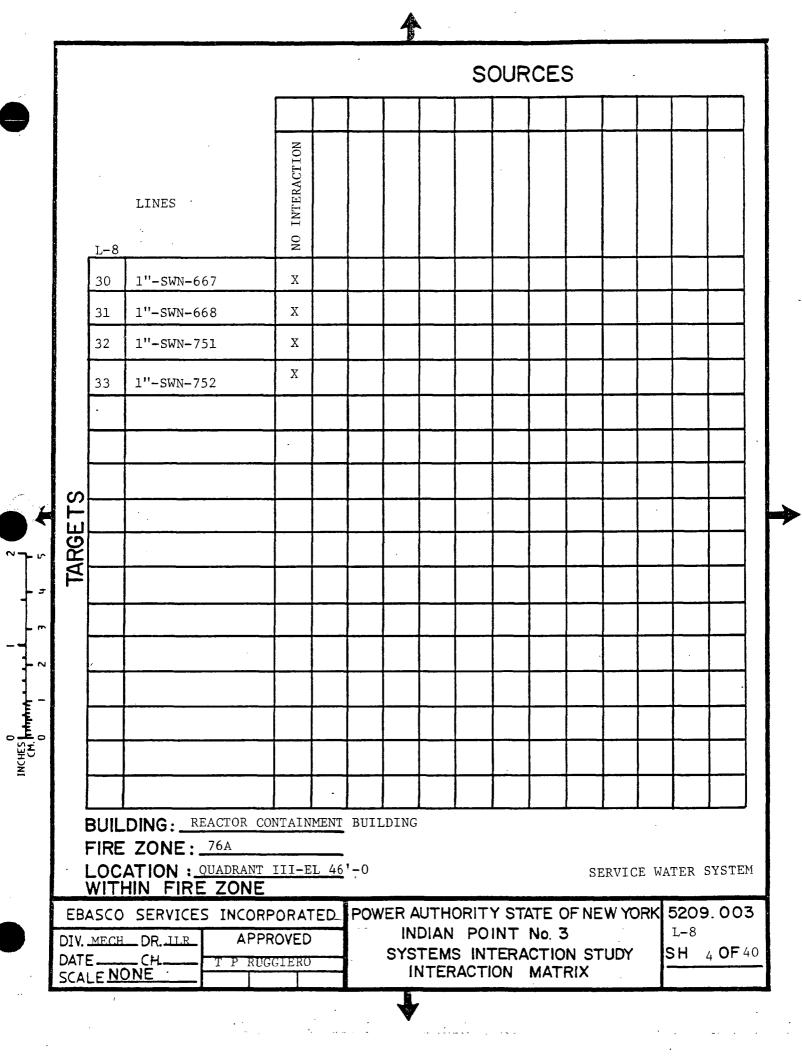
EBASCO SERVICES	INCORPORATED	POWER AUTHORITY STATE OF NEW YORK		03
DIV. MECH DR. JLR	APPROVED	INDIAN POINT No. 3	L-8 SH 10	F 40
DATE CH SCALE NONE	T P RUGGIERO	SYSTEMS INTERACTION STUDY INTERACTION MATRIX	3H 10	

							S	JUK	CE	S 		
L	.– 8	LINES .	NO INTERACTION					-				
2	3	1"-SWN-667	Х									
. 2	4	1"-SWN-668	Х					,				
2	5	1"-SWN-669	Х									
2	6	1"-SWN-749	X									
2	7	1"-SWN-750	X									
2	8	1"-SWN-751	X									
	9	1"-SWN-752	Х	-								
2 2 2 2 2 2 2 2 2 2								-				
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<u>/</u>		-										
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WITHIN FIRE ZONE

EBASCO SERVICES	S INCORPORATED	POWER AUTHORITY STATE OF NEW YORK	5209.00	3
DIV. MECH DR. JLR	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	SH 3 OF	40
SCALE NONE	T P RUGGIFRO	INTERACTION MATRIX		_





			٠				S	DUR	CES	5				
				1	2	3								
	L-8	LINES .	NO INTERACTION	LIGET FIXTURE	LIGHT FIXTURE	LIGHT FIXTURE		,						
	34	10"-SWN-12b	Х											
	35	1"-SWN-750	Х											
	36	OUTLET AMT (8) 3"-SWN-TYP	Х											
	37	RECIRC FAN #31	Х											
	<u>3</u> 8	INLET AMT (8) 3"-SWN-TYP	Х											
	39_	10"-SWN-11a	Х											
S	40	2"-SWN-670	X											
ET	41	SEAL WTR COOLER	Х											
TARGET	42	2"-SWN-49.7		м30	м31									
77	43	10"-SWN-12a	Х											
	44	10"-SWN-12c	Х											
	,45	10"-SWN-11b	Х											
	46	10"-SWN-11c	Х											
	47	2"-SWN-495			м31	M29								
	48	2"-SWN-496			M31	M29								
i I	FIRE LOC	DING: REACTOR CON ZONE: 80A ATION: QUADRANT- HIN FIRE ZONE								SE	RVICE	E WAT	ER S	YSTEM

EBASCO SERVICES INCORPORATED

APPROVED

T P RUGGIERO

DIV. MECH DR. ILR

DATE _____CH_ SCALE NONE · POWER AUTHORITY STATE OF NEW YORK 5209. 003

L-8

SH 5 **OF** 40

INDIAN POINT No. 3

SYSTEMS INTERACTION STUDY

INTERACTION MATRIX

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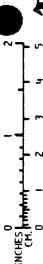
							S	DUR	CES	3	 		
				1									
	L-8	LINES	NO INTERACTION	LIGHT FIXTURE				,					
	49	10"-SWN-12d	Х										
	50	OUTLET AMT (8) 3"-SWN-TYP	Х										
	51	RECIRC FAN #32	Х										
	52	INLET AMT (8) 3"-SWN-TYP	Х									·	
	-53	10"-SWN-11d	X			·							
	54	2"-swn-673		M33									
()	55	SEAL WTR COOLER	χ.								į		
	5 <i>6</i>	2"-SWN-498	X							·			
TARGETS	57	1"-SWN-669.	X										
71	58	1"-SWN-749	Х										
	59	2"-SWN-499	Х								·		
	, 60	1"-SWN-666	Х										
	61	1"-SWN750	Х										
	62	2"-SWN-495	X.										
	6.3	2"-SWN-496	х										
	64	2"-SWN-497	X										

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 84A

LOCATION: QUADRANT II - ABOVE EL-68'-0 WITHIN FIRE ZONE

EBASCO SERVICE	S INCORPORATED	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV. MECH_DR. ILR	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	L-8 SH 6 OF 40
DATECH SCALE NONE	T P RUGGIERO	INTERACTION MATRIX	311 6 01 40





							-			S	DUR	CES	S			_		
						1	2											
		L-8	LINES .		NO INTERACTION	LIGHT FIXTURE	LIGHT FIXTURE		-									
		65	2"-SWN-4	98		м32	м33											700
		66	2"-SWN-4	99		м32												
·																		
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6	TARGETS							-								-		-
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	E	BUIL	DING: RE	ACTOR CON	TAIN	IENT	BUILI	DING						· ·· ·	-	. _		
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	١ ١	WITH	SERVICE:	ZONE					UTHO)BIT'	Y ST/	TF (YSTEM OO3	
	DIV.	MEC	H DR. JLR	APPR				INI	NAIC	PO	INT	No. 3	,	•	- 1	L - 8		ı
	DATE SCAL	E NC	_CH	T P RUG	GIERO					ACTI				Yטט		H /	OF 4	<u> </u>

SOURCES INTERACTION FIXTURE LINES LIGHT L-8 10"-SWN-12a 67 X 1"-SWN-751 Χ OUTLET AMT (8) 69 X 3"-SWN-TYP RECIRC FAN #33 70 INLET AMT (8) 3"-SWN-TYP .71 X. 10"-SWN-11b 72 Х 2"-SWN-671 .73 X Χ 74 SEAL WTR COOLER .75 2"-SWN-496 X 10"-SWN-11c 76 Х 10"-SWN-12c 77 Х 2"-SWN-495 78 M2 7 BUILDING: REACTOR CONTAINMENT BUILDING FIRE ZONE: __81A LOCATION : QUADRANT III - ABOVE EL. 68'-0 SERVICE WATER SYSTEM WITHIN FIRE ZONE EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 L-8 INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SH 8 OF 40 SYSTEMS INTERACTION STUDY ___CH__ DATE_ T P RUGGIERO SCALE NONE INTERACTION MATRIX

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1	

SOURCES

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				1							
	L-8	LINES	NO INTERACTION	JUNCTION BOX						,	
	79	10"-SWN-12c	Х								
	80	l"-swn-752	Х								
	81	OUTLET AMT (8) 3"-SWN-TYP	X								
	82	RECIRC FAN #34	Х					·			
	83	INLET AMT (8) 3"-SWN-TYP	X		,						
	84	10"-SWN-11c	Х			·					
(0	85	2"-SWN-672	Х								
TARGETS	86	SEAL WTR COOLER	х					·			
IRG	87	2"-SWN-495	· .	м26							
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BUILDING: REACTOR CONTAINMENT BUILDING

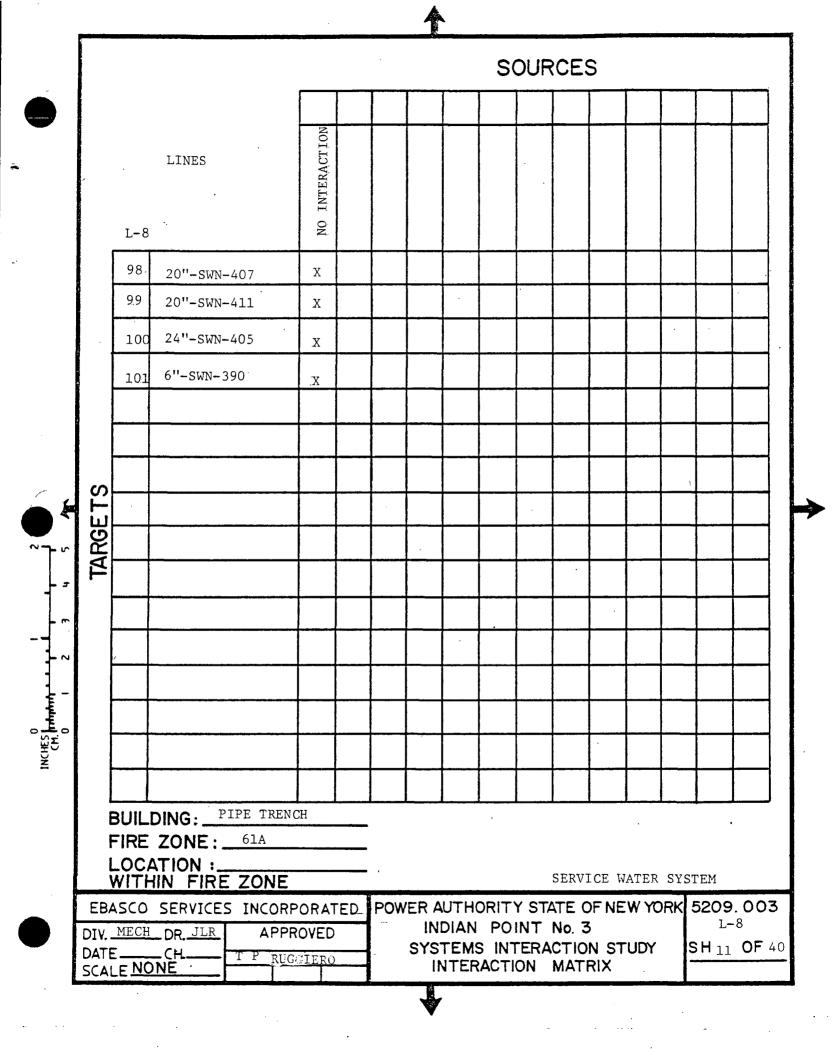
FIRE ZONE: 82A

LOCATION: QUADRANT III - ABOVE EL-68'-0 WITHIN FIRE ZONE

EBASCO SERVICE	S INCORPORATED_	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV.MECH_DRJLR_	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	SH 9 OF 40
DATECH SCALE NONE	T P RUGGIERO	INTERACTION MATRIX	

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	•			1	2										
	_L-8	LINES	NO INTERACTION	LIGHT FIXTURE	LIGHT FIXTURE										
	87	10"-SWN-12e	X												
	89	1"-SWN-749	Х												
	90	OUTLET AMT (8) 3"-SWN-TYP	X,												
	91	RECIRC FAN #35	X												
	92	INLET AMT (8) 3"-SWN-TYP	X										-		
	9.3	10"-SWN-11e	X -												
S	94 .	2"-SWN-674		M24											
		1"-SWN-669	-X:												
TARGET	96.	SEAL WTR COOLER	Х												
F	97	2"-SWN-499		M24	М25										
	<u> </u>													`	
	,														
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										.					
4		DING: REACTOR CON	NTAIN	MENT	BUIL	DING									
	LOC	ATION : QUADRANT I	V - 2	ABOVE	E, EL-	68!-0)			~	12.D. T. T. T.	ייז מור	The state of the s	CV CT	73.A
		SERVICES INCÓRP	ORAT	ED_	POW	ER A	UTH(DRITY	Y STA					SYSTI 5 209	
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			1	2	3	4	5	6	7			
L-8	LINES	NO INTERACTION	2"-45	2"-46	2"-47	2"-48	2"-35	1"-691	BLOWDOWN TANK NO. 31			
102	6"-SWN-390		M256	M256	M256	M256	M256	M256	M256			
103	3"-swn-697		м256	M256	M256	M256	M256	M256	M256			
104	20"-SWN-407	Х										·
105	20"-SWN-411	Х										
106	20"-SWN-405	Х										
						·						
											<u> </u>	
										 		
PLIN	DING PIPE TRENG	CH										

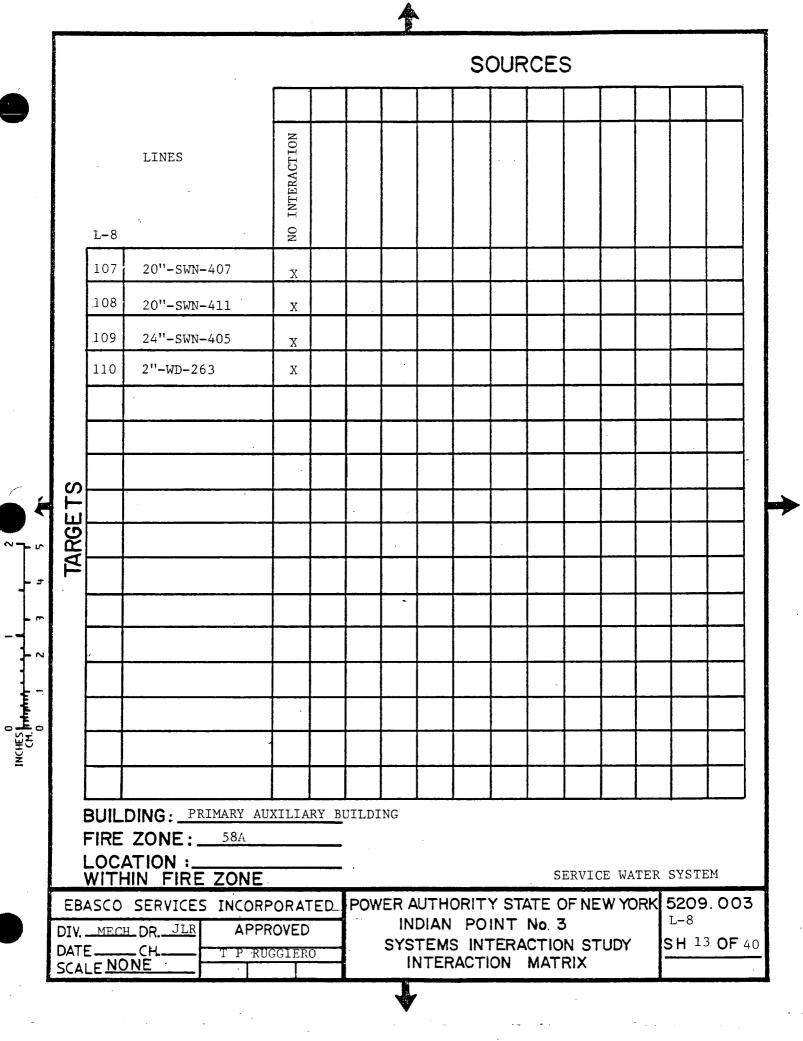
BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION: BLOW DOWN TANK
WITHIN FIRE ZONE

EBASCO SERVICE	S INCORPORATED	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV. MECH DR. JLR	APPROVED	INDIAN POINT No. 3	SH 12 OF 40
DATECH	T P RUGGIERO	SYSTEMS INTERACTION STUDY INTERACTION MATRIX	SH 12 OF 40







								S	OUF	CE	3				
				1	2										-
	LINES	÷	NO INTERACTION	2"-560	CONDUIT										
	111 20"-SV	JN-407	Х												
	1.12 18"-SV	VN-407	Х												
	113 20"-SW	/N-411	Х					,							
	114 18"-SV	VN-411	Х											-	
	115 24"-sv	VN-405		M257											
	116 3/4" SAMPLI	ING LINE		M258	M268										
~ \ v	117 2"-WD-	263	Х												
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	BUILDING:	PRTMARY AUX	TITAR	y Biit	LDIN			· · · · · · · · · · · · · · · · · · ·		<u> </u>					
	FIRE ZONE						•								
	LOCATION WITHIN FI	: RE ZONE	· · · · · · · · · · · · · · · · · · ·		•						SER	VICE	WATI	ER SY	STFM
E	BASCO SERVI			ED_	POW			DRIT			FNE		RK 5		
DIV DAT	MECH DR. J	LR APPF	CLERO			SYS	rems	POI INT	ERA	CTIO	N ST	UDY	1	H ₁₄	OF
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	L-8	LINES	NO INTERACTION	CONDUIT	LIGHT FIX.	CONDUIT	LIGHT FIX.									
	120	24" 5SWN-405	Х													
	121	18"-SWN-407		M252	1252											
	122	18"-SWN-411				м253	м253									.,
	123	3/4" SAMPLING LINE				M253	M253									
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	BUIL	DING: PRIMARY AUX	ILIAF	RY BU	ILDIN	NG	<u>. </u>		<u> </u>	l	L	J	<u> </u>	<u>. </u>		
l	FIRE ZONE: 17A															
		ATION: HIN FIRE ZONE			· 						ERVI					
		SERVICES INCORF			POW		UTH(DIAN					W YC	ORKI !	5209 L-8). 003	5
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SOURCES

			SOURCES													
		ļ		1	2	3	4	5	6	7	8					
	L-8	LINES .	NO INTERACTION	3/4"-414	2"+560	1½"-CITY WATER LINE	2"-560	AUX STEAM LINE	LIGHT FIX.	CONDUIT	2"-393					
	124	24"-SWN-405	·						M254	M254	M254					
	125	18"-SWN-405								M254						
	126	1"-SWN-405	X													
	127	18"-SWN-509								м254						
	128	14"-SWN-410		M254	M254	M254	M 254	M254	M254	M254		,				
' 0																
TARGETS																
F																
:]

BUILDING: PRIMARY AUXILIARY BUILDING

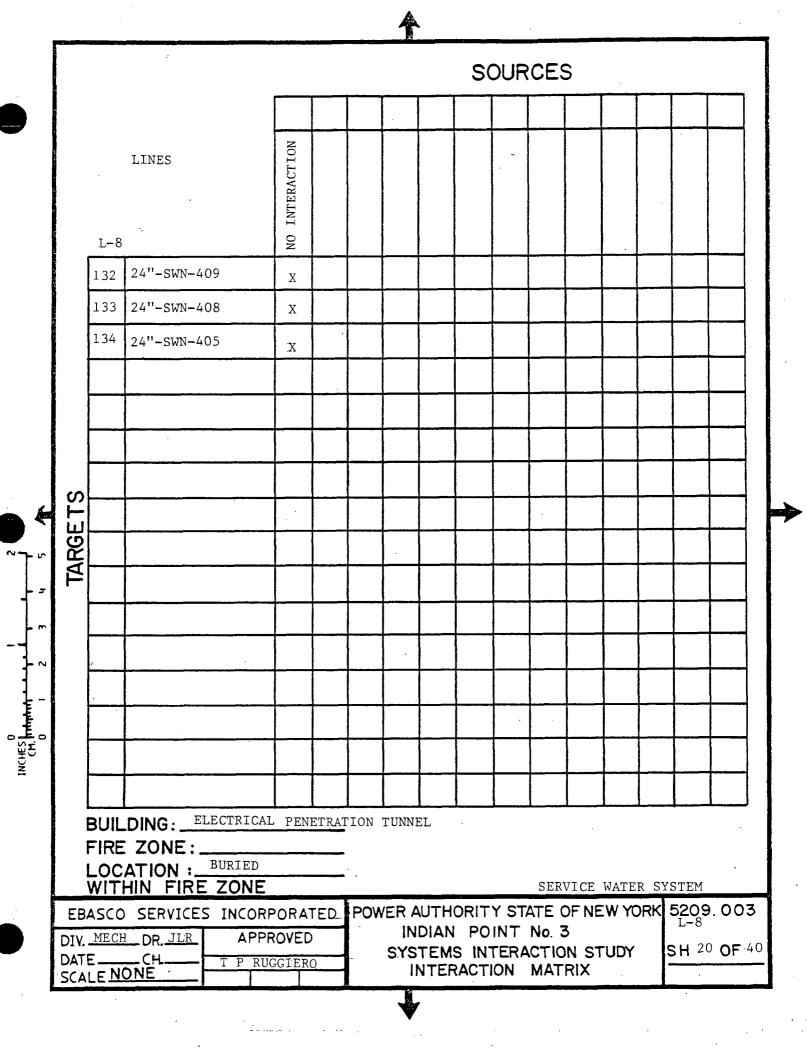
FIRE ZONE: 27A

LOCATION : WITHIN FIRE ZONE

EBASCO SERVICE	ES INCORPORATED_	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV. MECH DR. JLI	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	SH 18 0F 40
DATE CH SCALE NONE	T P RUGGIERO	INTERACTION MATRIX	311 1801 40



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~		L-8	LINES .	-	NO INTERACTION						,							
ar.		129	24"-SWN-4	+09	Х													
		130	24"~SWN-4	+08	Х													į
		131	24"-SWN-4	+0.5	Х													
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e -	S													ļ				
•	TARGETS	-								·								
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	BUILDING: BORON INJECTION TANK AREA														1	L		J
	1	FIRE	ZONE:															
			ATION: ₫ HIN FIRE						-						ATER			
			SERVICE:				POW	ER A	UTH	ORIT	Y STA	ATE (OF NE	EW YO	ORK !	5209 L-8	9.00	3
	DATI	E	DRJLR CH DNE :	APPR T P RII				SYS	TEM	S INT	TERA	CTIO	N ST	rudy	5	SH I	9 0F	40
	SCA	F IN	JINE					* 1	4 1 4-1			****					•	



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	L-8	LINES	NO INTERACTION										
	135	24"-SWN-409	X										
	136	24"-SWN-408	X										
-	1.37	2 4"-SWN-405	х										
	138	10"-SWN-1093	X										
	139	10"-SWN-1099	х	·									
	140.	10"-SWN-1096	X										
S)	L 4.1	3"-SWN-1196	Х										
H H	142	3"-SWN-1197	x		 		· .			·	<u> </u>	 	
TARGET	4.3	3"-SWN-1200	Х			<u></u>							_

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						1	2	3	4	5							
		L-8	LINES		NO INTERACTION	CONDUIT	LIGHT FIX.	LIGHT FIX.	LIGHT FIX.	LIGHT FIX.							
·:		144	24"-SWN-	409		M276	M276	M276	м277	M278							
		145	24"-SWN-	408		M276	м276	M276		M278							
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	ပ																
	TARGETS			. 													
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- 7				<u> </u>													
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			ZONE: _: ATION 				•						د در	3777 OF	7.74.00	ren es	/STEM
			SERVICE:	· · · · · · · · · · · · · · · · · · ·		ED	POW	FR A	IITH(ORIT	Y ST/	TF C					.003
	DIV.	MEC	H DR. JLR	APPR	OVED			INI	NAIC	PO	INT	No. 3	•		1	L-8	2 0F 40
	DATE SCAL	E NC	CH NE	T P RUGO	GIERO					S INT				זטט	-	рП 2	2 OF 40

SOURCES NO INTERACTION LINES L-8 146 24"-SWN-409 Χ 147 24"-SWN-408 Χ TARGETS BUILDING: DISCHARGE TUNNEL FIRE ZONE: _ LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM POWER AUTHORITY STATE OF NEW YORK 5289.003 EBASCO SERVICES INCORPORATED INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SYSTEMS INTERACTION STUDY SH 23 OF 40 DATE _____CH_ SCALE NONE INTERACTION MATRIX



									S	DUR	CE	S	•		•		
					1	2											
	L-8	LINES .		NO INTERACTION	SPACE HEATER	CONDUIT BOX & CONDUIT			·								
	148	10"-SWN-1	221			1302											
	149	16"-SWN-1	219		м301	м302											
	150	10"-SWN-1	222	х					·								
	151	16"-SWN-1	220		м301	м302											
												<u> </u>					
S																	
TARGETS																	
ARG																	
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	,																
		DING: YAI															
ı	_00	ZONE:_ ATION:_	ALVE PIT	FOR	TURB	ĮNE (OIL (COOLE	RS, E	ETC.							
		SERVICES		00047		DOW	ED A	UTU	ידופר	V 9T/	ATE C				R SYS		<u> </u>
			APPR			٠-	IN	DIAN	PO	INT	No. 3	5			L-8		
		CH							S INT				UDY		SH 24	OF	40

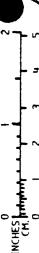
4	

				SOURCES										
				1	2	3								
	L-8	LINES	NO INTERACTION	CONDUIT	CONDUIT	3"-#95			,					
	152.	10"-SWN-11a	X											
	153	10"-SWN-11b		M237										
ļ	154	10"-SWN-11c	Х										·	
	155	10"-SWN-11d			,	M255								
	156	10"-SWN-11e			M240									
	157	1"-SWN-468	Х											
ر ک	158	1½"-SWN-468	`X-											
	159	2½"-SWN-468	X								,			
146	159 160	1"-SWN-469		1237										
11	161	1½"-SWN-469		1237										
	162	2½"-SWN-469		1237										
	163	1"-SWN-470	X											
	164	1½"-SWN-470	X											
	165	2½''-SWN-470	Х									,		
	166	3"-SWN-470	X.											
	167		Х											
E	BUILDING: PRIMARY AUXILIARY BUILDING													

FIRE ZONE: 59A

LOCATION: WITHIN FIRE ZONE

	771177 1177	LOIVE		
	EBASCO SERVICES	INCORPORATED	POWER AUTHORITY STATE OF NEW YORK	
	DIV. MECH DR.JLR	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	L-8 SH 25 OF 40
	DATECH SCALE <u>NONE</u>	T P RUGGIERO	INTERACTION MATRIX	311 23 01 40
•			61	



4

				SOURCES									
				1	2	3	4	5	6	7	8		
	L-8	LINES	NO INTERACTION	CONDUIT	LICHT FIXTURE	CONDUIT	LIGHT FIXTURE	CONDUIT	CONDUIT	LIGHT FIXTURE	3"-#95		
!	168	1"-SWN-463	Х		·								
	169	1½"'-SWN-463	X										
	170	2½"-SWN-463	Х										
	171	1"-SWN-471						M240					
	172	1½"'-SWN-471	Х										
	1.7.3	2½"-SWN-471	Х										
S	174	18"-SWN-408		M2 37	м238	M238							
<u></u>	175	14"-SWN-408					M239				M255		
5	175 176 177	18"-SWN-406	X										
۲	177	10"-SWN-12e							1241	M241			
	178	1"-SWN-12	х										
	1.79. ,	10"-SWN-12d	Х									,	
	180	10"-SWN-12c	X.										
j	181	10"-SWN-12a	X										
	182	10"-SWN-12b	Х										
·		2"-SWN-12	Х				•						

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: _____

LOCATION : ______ WITHIN FIRE ZONE

SERVICE WATER SYSTEM

EBASCO SERVICE	S INCORPORATED	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV. MECH DR. JLR		INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	SH ²⁶ OF ⁴⁰
DATECH SCALE NONE :	T P RUGGIERO	INTERACTION MATRIX	

CHES ON THE STATE OF THE STATE

SOURCES INTERACTION LINES 9N L-8 2"-SWN-495 184 Χ 185 2"-SWN-496 Χ 186 Χ 2"-SWN-497 187 Χ 2"-SWN-498 188 2"-SWN-499 X 189 4"-SWN-494 Χ 190 20"-SWN-407 Х TARGETS 191 20"-SWN-411 Х 192 24"-SWN-405 BUILDING: PRIMARY AUXILIARY BUILDING 59A FIRE ZONE: _ LOCATION: WITHIN FIRE ZONE SERVICE WATER SYSTEM POWER AUTHORITY STATE OF NEW YORK 5209.003 EBASCO SERVICES INCORPORATED L-8 INDIAN POINT No. 3 **APPROVED** DIV. MECH DR.JLR DATE _____CH_

T P RUGGIERO

SCALE NONE

SYSTEMS INTERACTION STUDY INTERACTION MATRIX

SH27 OF 40

								S	DUR	CE	3			
				1	2	3	4	5	6	7	8	9		
	L-8	LINES	NO INTERACTION	CONDUIT	LIGHT FIXTURE	SPEAKER	CONDUIT	JUNCTION BOX	CONDUIT	LIGHT FIXTURE	SPEAKER	CONDUIT		
	193	10"-SWN-12b	Х											
	194	10"-SWN-12a	Х	•										
	195	10"-SWN-12c	Х						,					
,	196	10"-SWN-12d	Х											
	197	10"-SWN-12e									M246			
	198	18"-SWN-406	·X											
۲۵	199	14"-SWN-406		M242	м242	M243	1244	M244	1245	M245	м246	M247		
TARGETS														77.
RG														
Z														
	,													
				-										

BUILDING: FAN HOUSE

FIRE ZONE:_

LOCATION : _____ WITHIN FIRE ZONE

SERVICE WATER SYSTEM

EBASCO SERVICE	S INCORPORATED	POWER AUTHORITI STATE OF NEW TORI
DIV. MECH DR. JLR	APPROVED	INDIAN POINT No. 3
DATECH		SYSTEMS INTERACTION STUDY
SCALE NONE	1 P RUGGIERU	INTERACTION MATRIX

5209.003 L-8

SH 28 OF 40



								. S	OUR	CE	S					
		•		1	2	3										
	L-8	LINES	MO INTERACTION	LID COVER FROM TEMP #33A	3"-STEAM LINE	3/4"-875										
	200	18"-SWN-406				3/	1									
	201	10"-SWN-406	Х	M248			,									
	202	8"-SWN-406	Х	<u>-</u>												
	203	4"-SWN-494	X													
	204	18"-SWN-408			M251	M249										
	205	18"-SWN-409		:		м249										
S	206	2"-SWN-11		(M250	м250										
	207	2"-SWN-12	Х													
TARGET	208	24"-SWN-405	Х													
1	209	24"-SWN-408	х													
	210	24"-SWN-409	Х													
	,															
			·													
										-						
	BI III	DING: PRIMARY AUX	XILIA	RY BI	JILDI	NG										
1	FIRE	ZONE: 62A														
	LOC/ WITH	ATION: HIN_FIRE ZONE			,						SEF	RVICE	WAT	ER SY	STEM	
		SERVICES INCORP			POW										. 003	3
DIV.	MECH	_DR.JLR APPR	OVED					POI							90 F 4	0

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RUGGIERO

DATE _____CH__ SCALE NONE SYSTEMS INTERACTION STUDY

INTERACTION MATRIX

SH ²⁹OF ⁴⁰

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				1	2	3	4	5	6	7	8	9	10	11	
	L-8	LINES	NO INTERACTION	TEMPORARY SPACE HEATER	TEMPORARY PRO- PANE TANKS	8"-SCREENWASH HEADER	LIGHT FIX	CONDUIT	LIGHT FIX.	LIGHT FIX	SPACE HEATER	CONDUIT	CONDUIT BOX	ELEC. BOX	
	211	8"-SWN-409									M288	м288			
	212	8"-SWN-408	X												
	213	24"-SWN-409	Х												
	214	24'-SWN-408	X												
	215	14"-SWN-1083			M282	м286		м285	M285					м289	
	216	14"-SWN-1082			M282	1286		12.87		M2,87	м2,88	1288		м289	
S	217	14"-SWN-1081				1286		1287		м287	м288	1288	м288		
ET	218	2"-SWN-1083				(286)		1285	м285						
TARGET	219	2"-SWN-1082				1286		м287		1287					
1	220	2"-SWN-1081				(1286)		м287		1287					
	221	14"-SWN-1084			-	M283		м285	M285						
	222	14"-SWN-1085		M280		м283	1284								
	223	14"-SWN-1086				м283	M284								
	224	2"-SWN-1084				M28)		м285	м285						
	225	2"-SWN-1085				M283	м284								
	226	2"-SWN-1086			(м2ЕЗ	1284								

BUILDING: INTAKE STRUCTURE FIRE ZONE:_

LOCATION: SERVICE WATER VALVE, PIT WITHIN FIRE ZONE

_	POWER AUTHORITY STATE OF NEW YORK	5209.003
7	INDIAN POINT No. 3	L-8

SYSTEMS INTERACTION STUDY INTERACTION MATRIX

SH 30 OF 40

SERVICE WATER SYSTEM

EBASCO SERVICES INCORPORATED DIV. MECH DR. JLR APPROVED DATE _____CH__ SCALE NONE T P RUGGIERO



									S	DUR	CES	3					
		_	·		1	2											
		T O	LINES	l .	8" SCREENWASH HEADER	CONDUIT & JUNCTION BOX											
	ſ	L-8		Z		GC Ji											
		227	3"-SWN-1081	-	M286									<u> </u>			
İ		228	3"-SWN-1082		M286												
		229	3"-SWN-1083		M286												I
		230	3"-SWN-1084		м286								ļ				
		231	3"-SWN-1085		M286)											
232 3"-SWN-1086 M286															l		
	O 233 8"-DRAIN HEADER M290																
	1					·											ı
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			<u> </u>														
7		/															
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-									,								
		DI III	DING: INTAKE STR						<u> </u>	<u> </u>	<u> </u>	ł	i	<u> </u>	ļ		
			ZONE.														
	į	LOC	ATION : SERVICE W	ATER	VALVI	PI	[SER	VICE	WATE	R SYS	STEM	
			SERVICES INCORF	***	red_	POW							W YC	ORK		. 00	3
			DR. JLR APPR								No. 3		-UDY		L-8 SH 31	OF 4	40
9	CA	LE NO	DNE TPRU	GGIER	.0						MAT						

INCHES Transmit



SOURCES

								50	JUR	CES	>			
		~								0				
	L-8	LINES	NO INTERACTION	CONDUIT	8"-SCREENWASH HEADER	CONDUIT	DRAIN HEADER #1	DRAIN HEADER #2	DRAIN HEADER #3	DRAIN HEADER #4	DRAIN HEADER #5	DRAIN HEADER #6		
	234	14"-SWN-1081 \					M294							
	235	14"-SWN-1082				м293		м29.5						
1	236	14"-SWN-1083		M292	1292				M296					
	237	14"-SWN-1084		M292	M292					м29_7				
	238	14"-SWN-1085		M291							M29.8			
	239	14"-SWN-1086		M291								M299		
တ														
TARGETS														
ARG	_													
1														
													,	

BUILDING: INTAKE STRUCTURE

22 FIRE ZONE: _

LOCATION :_

SCALE NONE

WITHIN FIRE ZONE

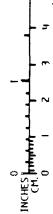
SERVICE WATER SYSTEM

POWER AUTHORITY STATE OF NEW YORK EBASCO SERVICES INCORPORATED INDIAN POINT No. 3 DIV. MECH DR.JLR APPROVED SYSTEMS INTERACTION STUDY DATE _ P RUGGIERO

INTERACTION MATRIX

L-8 SH 32 OF 40

5209.003





								S	DUR	CES	5					
				1	2	3										
	L-8	LINES	NO INTERACTION	LIGHT FIX.	1"-CONDENSATE RETURN LINE	2"-AUX. STEAM LINES			,							
	. 240	3"-SWN-1223			M400	м400										
	241	3"-SWN-1224	ļ		M400	M400										
	242	3"-SWN-1231		м265					_							
U	\															
TARGETS	<u>.</u>															
79.6	<u>[</u>	-														
·											•			*		
	ļ															
	BUII	DING: CONTROL BU	ILDIN	G				<u> </u>	<u> </u>			<u> </u>	L	L		,
	FIRE	ZONE: 35A													•	-
	LOC WIT	ATION: A.C. EQU HIN FIRE ZONE	ILP. R	MOO	•			4.			SE	RVICI	E_WAT	ER S	YSTEM	
L		SERVICES INCORP			POW			ORIT PO				W YC	PRK !	5209 L-8	.00	3
DI' DA SC	TE ALE NO	DR. JLR APPR	_			SYS	TEM:	S INT	ΓERA	CTIO	N ST	UDY	9	SH 3.	3 OF	40

								S	DUR	CE	S				
				1	2	3									
	L-8	LINES .	NO INTERACTION	LIGHT FIX.	CONDUIT	CONDUIT									
	243	3"-SWN-1223		M263	M263	M264									
	244	3"-SWN-1224	·	1263	M263	м264									
			•								_				
										_				,	
V F	2										·				
TARGETS	2														
Į.															
	,														
		DING: CONTROL BUT	ILDIN	G											
	LOC	ATION: HALL OUTS	IDE V	ALVE	ROOM	1					SER	VICE	WATE	R CV	STFM
	BASCO	SERVICES INCORP	ORAT		POW	-				TE C	FNE		RK 5		
DA	ΓE	DR. JLR APPR CH T P RI ONE T P RI				SYST	EMS	POI INT ACTIO	ERA	CTIO	N ST	UDY	- 1		OF 40



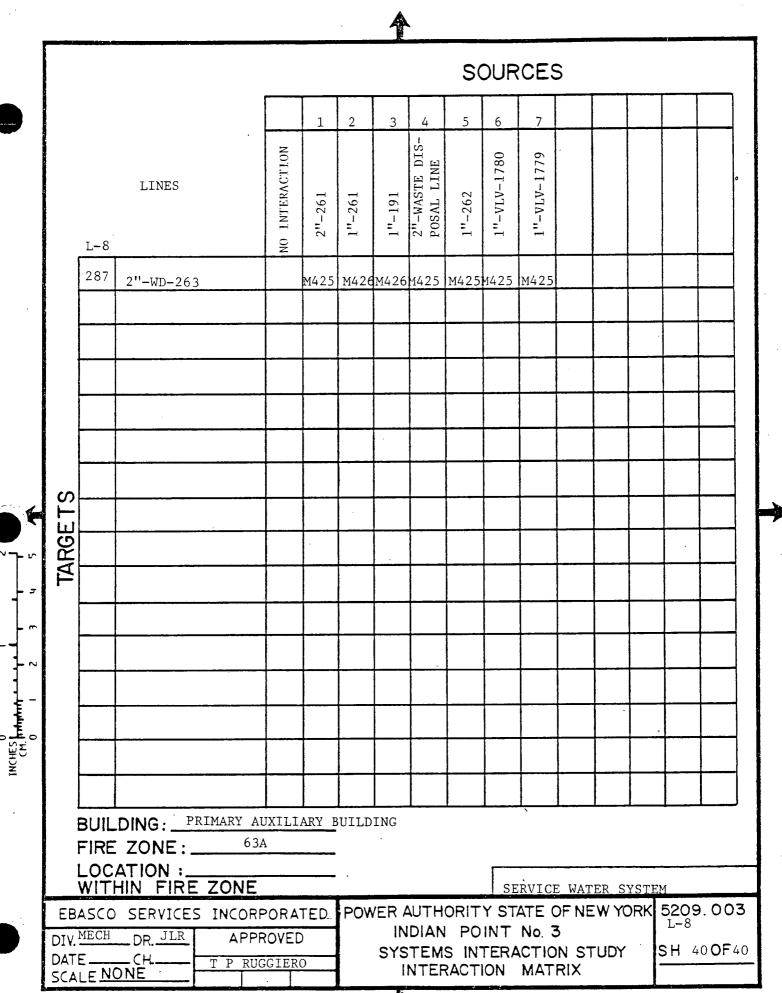
							S	OUI	RCE	S		
				1								
	L-8	LINES .	NO INTERACTION	LIGHT FIX.								
	251	10"-SWN-1099	Х									
	252	10"-SWN-1093	X	·								
	253	10"-SWN-1096	Х									
	254	6"-SWN-1101		M269						•		
	255	4"-SWN-1101		M269								
	256	6"-SWN-1095		м269								
S	25.7	4"-SWN-1095		M269								
	258	4"-SWN-1098		м269								
TARGET	259	6"-SŴN-1098		M269								
11					-							
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									S	DUR	CES	S					
					1												
		L-8	LINES .	NO INTERACTION	LIGHT FIX.												
		260	10"-SWN-1099	х		·											
		261	10"-SWN-1093	X			-										
		262	10"-SWN-1096	х													
		263	6"-SWN-1100		M270												
		264	4"-SWN-1100		1270												
		265	6"-SWN-1094		1270												
I,	S	266	4"-SWN-1097		1270												
		267	6"-swn-1097		M270												
	IAKGE	268	4"-SWN-1094		1270												
	-																
			<u> </u>									!					
											-				ļ		
															<u> </u>		
			DING: DIESEL GEN ZONE: 101A			LDIN	G									•	
			ATION :									SER	VICE	WAT	ER SY	STEM	
	EBA	SCO	SERVICES INCORP	ORAT	ED.								W YC	RK	520 9	00	3
D	ATE		H DR. JLR APPR CH T P RUC		•		SYS	TEMS	POI S INT ACTION	ERA	CTIO	N ST	UDY	ł		7 0F	40

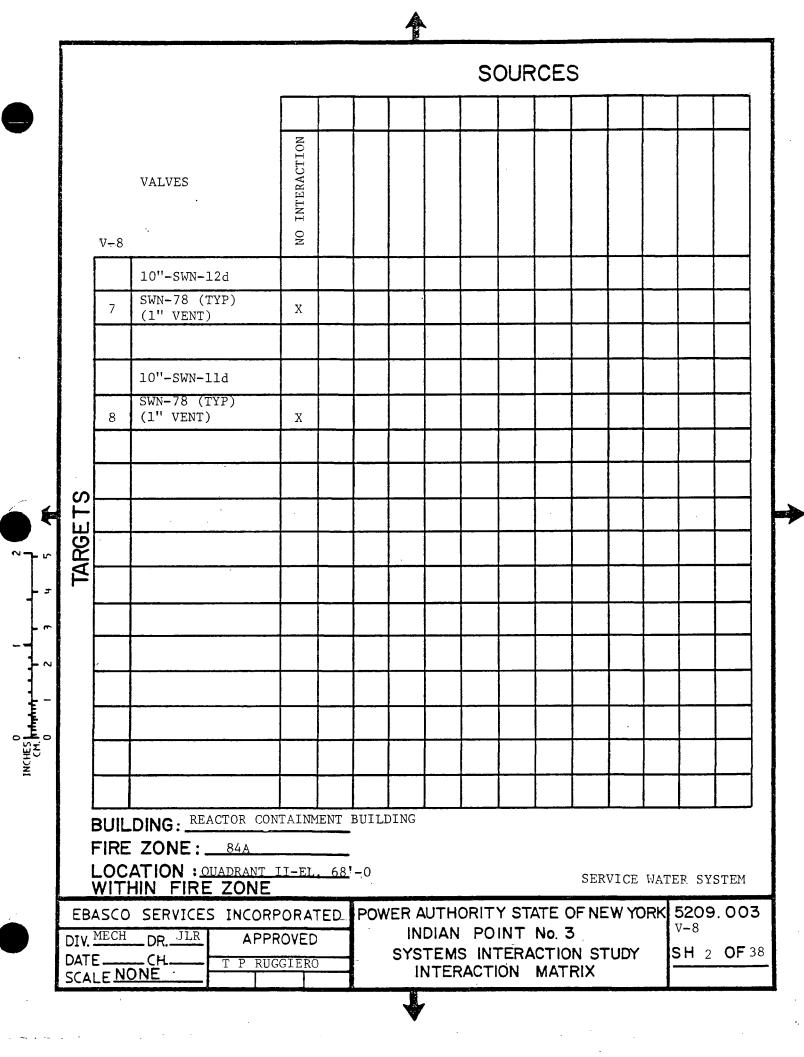


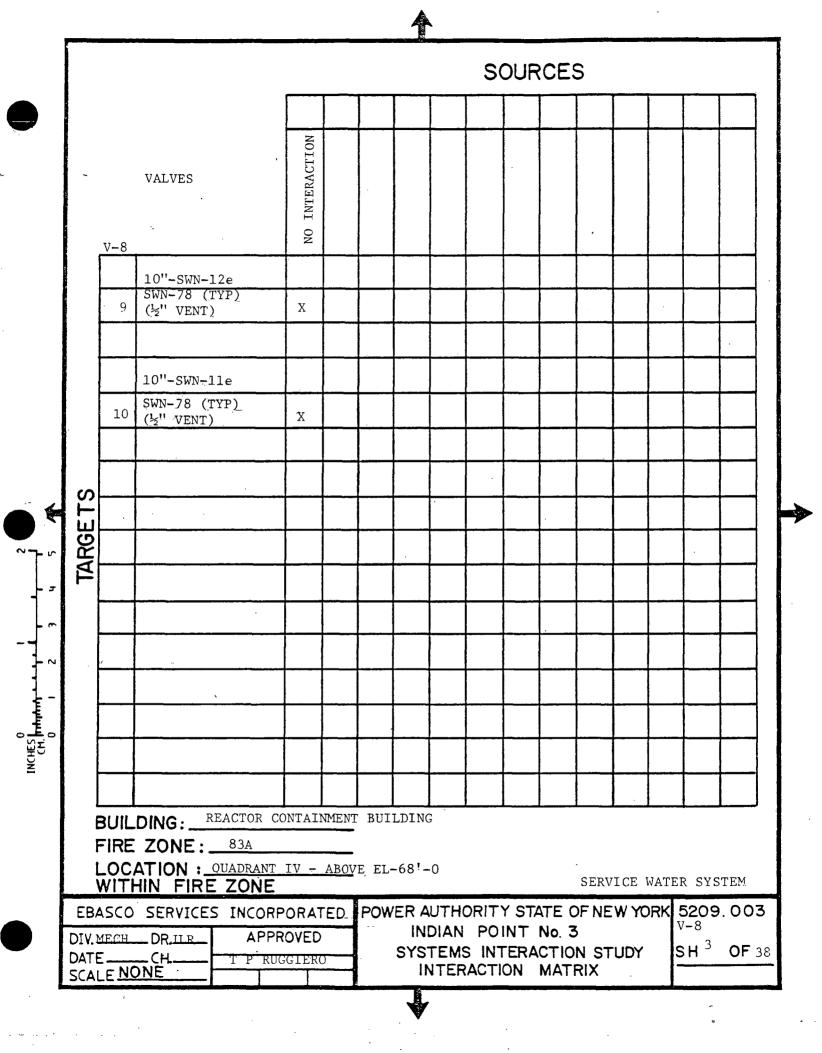
SOURCES NO INTERACTION LIGHT FIX LINES L-8 269 6"-SWN-1093 M271 270 10"-SWN-1096 X 271 4"-SWN-1093 M271 272 4"-SWN-1099 · M271 273 4"-SWN-1096 1271 274 6"-SWN-1096 M271 2.75 6"-SWN-1099 1271 BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 10 LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 DIV. MECH DR. JLR INDIAN POINT No. 3 **APPROVED** SH 38 OF 40 DATE____CH SYSTEMS INTERACTION STUDY T P RUGGIERO SCALE NONE INTERACTION MATRIX

SOURCES 2 1 NO INTERACTION ALR LINES STATION HEADER L-8 3"-SWN-1196 M260 277 2½"-SWN-1196 м260_{м260} 278 3"-SWN-1197 M262 279 2½"-SWN-1197 M260M262 280 M259 M262 3"-SWN-1200 281 м260_{М262} 2½"-SWN-1200 282 3"-SWN-1201 M259 M262 283 2½"-SWN-1201 M262 M259 M262 284 2½"-SWN-1202 285 м260_{м262} 2½"-SWN-1198 M260 M2<u>6</u>2 2½"-SWN-1199 286 BUILDING: CONTROL BUILDING FIRE ZONE: 14 LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 L-8 DIV. MECH DRJLR INDIAN POINT No. 3 **APPROVED** SH 39 OF 40 SYSTEMS INTERACTION STUDY DATE _____CH_ T P RUGGIERO SCALE NONE INTERACTION MATRIX



							S	OUR	CES	3				
	V-8	VALVES	NO INTERACTION		•					,				
1. Constitution of		10"-SWN-12b												
	1	SWN-78 (TYP) (½" VENT)	X											<u>-</u>
				 	_									
		10"-SWN-11a SWN-78 (TYP)												
	2	(½" VENT)	Х											
			ļ	 <u> </u>		,								
S		10"-SWN-12a	-	 										
TARGETS	3	SWN-78 (TYP)	Х											
ARG L														
		10"-SWN-12c									ļ			
	<u> </u>	SWN-78 (TYP) (½" VENT)	<u> </u>	 										
}- ~	,	10"-SWN-11b												
-	-5	SWN-78 (TYP) (½" VENT)	X											
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ļ	10"-SWN-11c SWN-78 (TYP)	ļ											
INCHES FIRMANT - CM, FIRMANT - 0 1	6	(½" VENT)	Х											
								<u> </u>						
1	FIRE LOC	DING: REACTOR CO ZONE: 80A ATION: QUADRANT HIN FIRE ZONE	I-AE						SI	ERVIC	E WA	TER S	SYSTE	111
R		SERVICES INCOR		 POW					No. 3		W YC	RK	5 209 7-8	. 00
DAT	F	DR. JLR APPI	GGIERO	-	SYS	TEMS	INT	ΓERA	CTIO MAŢI	N ST	UDY	9	H 1	OF







						,		S	OUF	CES	<u>-</u>	,			
				1	2	3	4	5	6	7	_				
	V-8	VALVES	NO INTERACTION	2"-45	2"-46	2"-47	2"-48	2"-35	1"-691	BLOWDOWN TANK NO. 31					
		6"-SWN-390													
	11	6"-SWN-53		M256	M256	M256	M256	м256	M256	M256)					
,		3"-SWN-697													
	12	3"-SWN-54		м256	М256	м256	м256	м256	м256	M256					_
TARGETS	·														
TARG			-												
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				<u> </u>				S	OUF	CE	S	1				1
		VALVES	NO INTERÁCTION	2"-560												
		20"-SWN-407														
	13	20"-SWN-31	Х													
		·														-
		18"-SWN-407														4
	14	18"-SWN-33	Х					_								
	15	18"-SWN-33	X											<u> </u>		1
S			-													1
A FI		20"-SWN-411	-									-				-
TARGE	16	20"-SWN-32	X													$\frac{1}{2}$
												_				1
- "		24"-SWN-405 3/4"-SWN					<u> </u>									-
- ~	17	PCV-1271	<u> </u>	M257												1
- I												-				1
INCHES propert CM. propert 0 1								,								-
Z																1
	FIRE	DING: PRIMARY AUX ZONE: 1 ATION: LIN FIRE ZONE				J IG			SI	ERVIC	E WAT	TER S	SYSTE	M		<u>ل</u>
EB.	ASCO	SERVICES INCOR	PORAT		POW		UTH(WY	ORK !	5209 V-8	.00);
DIV. DAT	_MECH E LF N(L DR. JLR APP CH. T P RUC DNE	GGIERO		-	SYS	TEM: NTER	S IN	ΓERA	CTIC	N ST	UDY	9	5H 5	OF:	3

								S	OUR	CE	S				·
		·	_	1	2	3	4								
	V-8	VALVES .	NO INTERACTION	CONDUIT	LIGHT FIX.	CONDUIT	LIGHT FIX.								
		18"-SWN-407													
	18	3/4"-SWN-37 (INST CONN)		M252	M252										
	19	18"-SWN-34		M252	M252										
	20	COMPONENT COOLING HEAT EXCH #32	Х					·							
		18"-SWN-411													
S	21	3/4"-SWN-37 (INST CONN)				M253	M253								
ET	22	3/4"-SWN PCV-1271				м253	M253								
TARGETS	23	COMPONENT COOLING HEAT EXCH. #31				M253	м253								
_															
			·												
	,					,									
	-														
				_				<u>.</u>							
i 2		DING: PRIMARY AUX ZONE: 17A	ILIA	RY BU	JILDI	NG									
! !	OC, TIW	ATION :									SERVI	CE W	'ATER	SYST	EM
		SERVICES INCORP			POW	ER A	UTH(DRIT	Y STA	ATE ()F NE	W YC	PRK !	5 209 V-8	. 003

INDIAN POINT No. 3

SYSTEMS INTERACTION STUDY

INTERACTION MATRIX

DIV. MECH DR. JLR

DATE _____CH.
SCALE NONE

APPROVED

RUGGIERO

V-8

SH 6 OF 38



								S	DUR	CES	3					
				1	2											
	v -8	VALVES .	NO INTERACTION	LIGHT FIX.	CONDUET											
		18"-SWN-405														
	24	18"-SWN'35			M254	·										<u></u>
	25	SRV-SWN-36 (3/4"- x 1")			M254											
	26	3/4"-SWN-49			M254											
	27	COMPONENT COOLING HEAT EXCH. #32	ΞX													
S		18"-SWN-509														
	28	18"-SWN-35	х					·							-	
TARGET	29	SRV-SWN-36 (3/4" x 1")	X			·										
12	30.	3/4"-SWN-49	х													
	,															
1	FIRE	DING: PRIMARY AUX ZONE: 27A ATION: HIN FIRE ZONE	ILIAF	RY BU	ILDI	NG			SI	ERVIC	E WA'	TER S	SYSTE	CM		
EB,	ASCO	SERVICES INCORP			POW	ER A	UTH	ORIT'	Y STA	ATE C	F NE	W YC	RK !	5209 V-8	.00	3
DAT		DR. JLR APPR CH. T P RUG			-	SYS	TEMS	PO S INT ACTI	ERA	СТІО	N ST	UDY	9	3H 7	OF.	38

INCHES THINMATOR

F3

									S	DUF	CE	S					
					1	2	3	4	5								
	V	-8	VALVES	NO INTERACTION	CONDUIT	LIGHT FIX.	LIGHT FIX.	LIGHT FIX.	LIGHT FIX.								
Control of the Contro			24"-SWN-409														Ĭ
	31		1"-SWN-104 (INST CONN)		M276	-	M276										
	32	2	24"-SWN-96		M277	,											
	33	3	24"-SWN-100		M277			M277									
	34		24"-SWN-98		м278				- Ņ	à.							
	35	5	24"-SWN-100		M278				м278								
U																-	
	- -	_	24"-SWN-408														
TABGETO	36		1"-SWN-104 (INST CONN)		M276	M276											
F	37	,	24"-SWN-97	Х													
	38	3	24"-SWN-100		M277												
	,39		24"-SWN-99		м278				м278				<u> </u>				
	40	<u> </u>	24"-SWN-100	Х													
	_	_															
	-	-															
	L B		DING: YARD						<u> </u>		<u> </u>	L	<u></u>	<u> </u>	<u> </u>		
	FIF	RE	ZONE:														
	LO Wi	C/ Th	ATION: VALVE PL	T		,					SE	RVIC	E WAT	ΓER S	YSTE	1	
	BAS	0	SERVICES INCORP	ORA		POW							W YC	ORK	5209 V-8	.00	3
			DR. JLR APPR CH. T P RUG				SYS	TEM	PO SINT	ΓERA	CTIO	N ST	UDY	1		OF	38
SC	ALE	NC	NE '					VIER	RACTI	UN	MAI	KIX					

INCHES THIRMS -



										S	JUH	CES	> 					
																		1
		V-8	VALVES .		NO INTERACTION													
:			24"-SWN-	409	1													
,		41	SWN-106 (3/4" VE	NT)	Х													
			24"-SWN-	40.8														
		42	SWN-106 (3/4" VE	NT)	Х													
	(
€	TARGETS							-										
~7-5	RGI							,										
- 3	≰																	
] [_						
-4-2		,	=															
]				· · · · · · · · · · · · · · · · · · ·														
որդարևում																		
INCHES Internation 1 1 1 1 1 1 1 1 1									_									
Ä																		
	E	' BUIL	DING:	DISCHARG	E TUNI	VEL_	<u> </u>	L	L	·	L.,.,.,.		<u> </u>	l			L	;
·	•		ZONE:															
			ATION:_ HIN FIRE						-					-		SYST		
			SERVICE				POW	ER A	HTU	ORIT' PO	Y STA	TE C	F NE	W YC	RK	5 209 V-8	. 00	3
	DATE	meur - NI	DR.JLR CH ONE	T P RI	ROVED GGI FR		-	SYS	TEMS	S INT RACTI	TERA	CTIO	N ST	UDY	9	H 9	OF:	38
	SCAL	_E <u>N(</u>)NE					11	אובה	AUII	ON	WAII	KIX.		ł			

								S	DUR	CE	S				
		·		1	2										
	V-8	VALVES	NO INTERACTION	SPACE HEATER	CONDUIT BOX & CONDUIT							_			
		10"-SWN-1221													
	43	10"-SWN-7			м302		`						_		
		16"-SWN-1219													
	4 4	16"-SWN-FCV-1112	X												
	45	1/2" ROOT VALVES (AMT. 2)		м301	MB02)									
"		·													
ΕTS		10"-SWN-1222 .				·									
TARGETS	46.	10"-SWN-6	X												
1															
		16"-SWN-1220													
	.47	16"SWN-FCV-1111 1/2"-ROOT VALVES	-	M301	M302										
	48	(AMT. 2)		М301	M302)									
											<u> </u>				
			,												
Į												<u> </u>			
		DING: YARD ZONE:													
ı	_OC	ATION : VALVE PIT	FOR	TURE	INE	OIL (COOLE	RS, I	ETC.		Sī	ER⊽IC	Œ WẠ	TER S	SYSTEM
		SERVICES INCORP	ORA1	ΓED.	POW	ER A	UTH(DRIT'	Y STA	ATE (OF NE	W YC	RK :	5209	. 003
DIV.	MEC	DR. JLR APPR CH. T P RUG	OVED			INI SYS	DIAN TEM	PO S INT ACTI	INT FERA	No. 3 CTIO	S N ST			V-8	OF 38

								S	DUR	CES	S					
				1	2											
	v-8	VALVES	NO INTERACTION	CONDUIT	CONDUIT											
		10"-SWN-11a														
	49	10"-SWN-41	Х													
,		10"-SWN-11b														
	50	10"-SWN-41		M237												
ဟ	-	10"-SWN-11c														
TARGETS	51	10"-SWN-41`	Х								_					
TAR		10"-SWN-11d														
	52	10"-SWN-41	_X_													
											-					
		10"-SWN-11e							_							
	53	10"-SWN-41			M240									·		ŀ
						-										
		DING: PRIMARY AU			UILDI	NG										
	OC	ZONE: 59A ATION: 59A HIN FIRE ZONE									SER	VICE	WATE	R SY	STEM	
		SERVICES INCORP		ΓED	POW	ER A	UTH	ORIT'	Y STA	ATE C	OF NE	W YC			. 00	3
DATI	Ε	H_DR.JLR APPR —CH TPRU DNE			-	SYS	TEMS	POI S INT ACTI	ERA	CTIO	N ST			V-8 H ₁₁	OF	38

		•		, ,				S	OUF	RCE	S				.= =
				1											
	V-8	VALVES	NO INTERACTION	CONDUIT					-						
	•	1"-SWN-468													
	54	1"-SWN-43	Х												
		1½"-SWN-468													
	55	SRV-SWN-42 (1½"X2½")	X										_		
		1"-SWN-469													
TARGETS	56	1"-SWN-43		м237											
TAR		1½"-SWN-469													
3	57	SRV-SWN-42 (1½" X 2½")		1237											
- 5	,	1"-SWN-470													
- 0 E	58	1"-SWN-43	Х		,										
F	FIRE	DING: PRIMARY AT SONE: 59A ATION: HIN FIRE ZONE	···	RY BU	ILDI	NG		<u> </u>			SE	RVIC	E WAT	TER S	YST
EBA DIV ^M	SCO ECH	SERVICES INCOR DR. JLR APP			POW	IN	DIAN TEM	PO S IN	INT	No. 3	OF NE	W YC	ORK !		. 00

								S	DUR	CES	5			
				1										
	V-8	VALVES	NO INTERACTION	CONDUIT			·		-					
		1½"-SWN-470												
	59	SRV-SWN-42 (1½" X 2½")	Х											
		1"-SWN-463												
	60	1"-SWN-43	X									,		
S		1½"-SWN-463												
TARGE TS	61	SRV-SWN-42 (1片'' X 2片'')	X											ľ
TA		1"-SWN-471				·								
	62	1"-SWN-43		M240										
	/	1½"-SWN-471												
	63 [']	SRV-SWN-42 (1½" X 2½")	X											
F	FIRE	DING: PRIMARY AUX ZONE: 59A ATION: LIN FIRE ZONE			ILDIN	īG								
		SERVICES INCORP	`	(FD	POW	FR A	UTHO	PIT	Y ST	ATE C		 	ER SY	 -
DIV	MECH	DNE T P RI	OVED			INI SYS	DIAN TEMS	POI INI	NT ERA	No. 3 CTIO MATI	i N ST		V-8 H13	

SOURCES INTERACTION VALVES CONDUIT LIGHT V-8 18"-SWN-408 18"-SWN-40 64 Χ 65 Χ 18"-SWN-40 10"-SWN-12e ~5''-SWN-72 M241/M241 (INST. CONN AMT2) 66 10"-SWN-12d ち"-SWN-72 (INST. CONN AMT2) 10"-SWN-12c ½"-SWN-72 Χ (INST. CONN. AMT2) 10."-SWN-12a ½"-SWN-72 (INST CONN AMT2) Χ BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: _ LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209. 003 V-8 INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SYSTEMS INTERACTION STUDY SH 14 OF 38 DATE _____CH. T P RUGGIERO SCALE NONE INTERACTION MATRIX

CHES | | CHES |

									S	OUR	CE	3					
		V-8	VALVES	NO INTERACTION						-					•		
			10"-SWN-12b														
		70	SWN-72 (INST CONN AMT2)	Х													
							-										
			1"-SWN-12														
		71	1"-SWN-51 (AMT.5)	X													

	S		2"-SWN-12														
6	ET	72	2"-SWN-61	<u> </u>													
27-5	TARGET																
	7		2"-SWN-495														
		<i>7</i> 3	2"-SWN-71	Х													
		,74	2"-SWN-515	X.													
- - -		75	2"-SWN-502	X-													
		.76	2"-SWN-500	Х													
INCHES CHAPPENT CM. 1		77	2"-SWN-501	X													
			DING: PRIMARY A ZONE: 59A		RY BI	IILDI	NG								-		
			ATION : HIN FIRE ZONE									SFI	የህፐ ሶፑ	' ኤልጥ	FR CV	'STEM	ſ
/			HIN FIRE ZONE SERVICES INCOM		ED	POW	ER A	UTHO	DRIT'	Y STA	TE C					-	
	DIV.	ИЕСН	_DRJLR APP	PROVED			IN	DIAN TEMS	PO	INT	No. 3	5		- 1	V-8	OF	
	DATE SCAL	E N	CH TP	RUGGIE	RO	-		NTER					זעט	-	11 15	<u> </u>	_

	SOURCES														_	
		V-8	VALVES .	NO INTERACTION					-		·					
			2"-SWN-496													
		78	2"-SWN-71	Х .												
		79	2"-SWN-518	Х												
21112	•	80	2"-SWN-511	x												
		81	2"-SWN-509	Х												
		82	2"-SWN-510	x												
	တ															
4	ET		2"-SWN-497													
^	TARGET	83.	2"-SWN-71	Х												
-	1	84	2"-SWN-516	X-												
٠		85	2"-SWN-505	X												
٦		86 ´	2"-SWN-503	Х	-					ļ						
-		8.7	2"-SWN-504	,X												
-																
		31111	DING: PRIMARY	AUXILIARY	BUILDI	NG				<u> </u>			L	<u> </u>]
	F	FIRE	ZONE:		_											
	. [LOC WITI	ATION: HIN FIRE ZOI	NE							SE	RVIC	E WA	TER S	YSTE	M [.]
			SERVICES INC		D_ POW					ATE (W YC	RK !	5209 V-8	.00	3
	DATE	=		PPROVED RUGGIERO	1	SYS	TEMS	INT	ERA	CTIO MAT	N ST	UDY	5	6H ₁₆	OF.	38
						4										_

INCHES IN

SOURCES INTERACTION VÁLVES 0N V-8 2"-SWN-498 2"-SWN-71 88 Χ 2"-SWN-519. 89 Χ 9.0 Χ 2"-SWN-514 2"-SWN-512 91 Χ 92 2"-SWN-513 X TARGETS 2"-SWN-499 Χ 2"-SWN-71 93 X 2"-SWN-517 94 2"-SWN-508 X 95 96 2"-SWN-506 Х 9.7 2"-SWN-507 X BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: ____59A LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003

APPROVED

T P RUGGIERO

DIV MECH DR. JLR

DATE ____ CH.

SCALE NONE

INDIAN POINT No. 3
YSTEMS INTERACTION STUDY

V-8 SH ¹⁷ OF ³⁸

SYSTEMS INTERACTION STUDY
INTERACTION MATRIX

SOURCES NO INTERACTION VALVES SPEAKER 8-V 10"-SWN-12b 10"-SWN-44 9.8 X 10"-SWN-12a 99 10"-SWN-44 X 10"-SWN-12c TARGETS 100. 10"-SWN-44 Χ 10"-SWN-12d 101 10"-SWN-44 X 10"-SWN-12e 10"-SWN-44 102 M246 BUILDING: FAN HOUSE FIRE ZONE: ____88A LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM POWER AUTHORITY STATE OF NEW YORK 5209,003 EBASCO SERVICES INCORPORATED V-8 INDIAN POINT No. 3 DIV. MECH DR. JLR APPROVED SYSTEMS INTERACTION STUDY SH 18 OF 38 DATE ____ CH. SCALE NONE INTERACTION MATRIX

ES HAMANA C C A C C

		·											<u>.</u>	·		
			SOURCES													
7	V-8	VALVES	NO INTERACTION													
		18"-SWN-406														
	L03	18"-SWN-TCV-1105 (SOLENOID OPERT)	Х													
J	104	18"-SWN-TCV-1104 (SOLENOID OPERT)	Х													
		10"-SWN-406														
1	05	10"-SWN-45	х													
	.06	10"-SWN-45	Х							1						
	.07	10"-SWN-46	Х													
TARGE T	.08	8"-SWN-TCV-1103 (AIR OPERATED)	Х													
12																
		8"-SWN-406 3"-SWN-73						ļ		<u> </u>						
,1	1	(VACUUM BREAKER)	Х							ļ			ļ			
										ļ						
	_	18"-SWN-408		·				ļ			<u> </u>					
1	10	18"-swn-38	Х										ļ			
FI L(W	RE DC/	DING: PRIMARY AU ZONE: 62A ATION: HIN FIRE ZONE			,								E WAT			
		SERVICES INCORF	ORAT		POW			ORIT				-W Y(V-8	•	
		_CH			-			S INT				TUDY	5	SH 19	OF	
SCALE																

•

		SOURCES													
			1	2											
V-8	VALVES .	NO INTERACTION	3" STEAM LINE	3/4"-875											
	18"-SWN-409														
111	18"-SWN-39	X													
	2"-SWN-11							•							
112	2"-SWN-56			M250											
113	2"-SWN-60		1250	м250											
114	2"-SWN-61	х										-			
115	SWN-74 (MIXING NOZZLE)	Х													
115	2"-SWN-57	Х													
	-														

LOCATION : _____ WITHIN FIRE ZONE

SERVICE WATER SYSTEM

POWER AUTHORITY STATE OF NEW YORK 5209.003 EBASCO SERVICES INCORPORATED V-8 INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SH 20 OF 38 SYSTEMS INTERACTION STUDY DATE _____CH_ SCALE NONE T P RUGGIERO INTERACTION MATRIX







	SOURCES																
					1	2	3	4	5	6_	7						
	-	V-8	VALVES	NO INTERACTION	TEMPORARY PRO- PANE TANKS	CONDUIT	LIGHT FIX.	8"-SCREENWASH HEADER	LIGHT FIX.	SPACE HEATER	CONDUIT						
	-		8''-\$\vec{w}N-409							-							
		117	8"-SWN-4							м288	м288						
		118	8"-SWN-408 8"-SWN-5	21													
	ŀ	7,10	0 -5811-5	Х													
	ا م		14"-SWN-1083														
	IARGE IS	119	14"-SWN-2		M282	м285	M285									-	
Š		120	14"-STRAINER #33			м285	M285	M285									
	-	121	14"-SWN-1					м286									
	-		14"-SWN-1082		,												
		122	14"-SWN-2		M282	M287			M287	M288	м288						
			14"-STRAINER #32		M282	M287		M285	M287								
		124	14"-SWN-1					м286	'								
			DING: INTAKE STRIP	CTURI	7	•											
	L	LOC	ATION : SERVICE V	<i>I</i> ATER	VALV	Æ PI'	Γ					SER	VICE	WATE	ER SY	STEM	
	ΒA	SCO	SERVICES INCORP	ORA	TED_	POW							W Y	ORK	5209 V-8	003	
D	ΔTF	•	DRJR APPR CHTPRU DNE				SYS	TEM	S IN	TERA	No. 3 CTIO MATI	N ST	UDY			1 OF 38	3 —
				<u> </u>			ž.										_

SOURCES 2 1 3 5 6 NO INTERACTION 8"-SCREENWASH HEADER SPACE HEATER VALVES BOX FIX. FIX. CONDUIT CONDUIT CONDUIT LIGHT V-8 14"-SWN-1081 125 M287M288 M288M288 14"-SWN-2 M287 126 14"-STRAINER #31 M287 M287 127 14"-SWN-1 м286 2"-SWN-1083 2"-SWN-PCV-1207 128 (SOV-1207) 1286 129 2"-SWN-64 M286 2"-SWN-65 1285 M28**5**M286 130 2"-SWN-1082 2"-SWN-PCV-1206 131 (SOV-1206) 1286 132 2"-SWN-64 M286 2"-SWN-65 M287 м286 м287 133 BUILDING: INTAKE STRUCTURE FIRE ZONE:_ LOCATION : SERVICE WATER VALVE PIT SERVICE WATER SYSTEM WITHIN FIRE ZONE EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SH 22 OF 38 SYSTEMS INTERACTION STUDY DATE _____CH_ SCALE NONE T P RUGGIERO INTERACTION MATRIX

SOURCES 5 6 TEMPORARY SPACE HEATER NG INTERACTION 8"-SCREENWASN HEADER VALVES FIX LIGHT FIX LIGHT FIX CONDUIT LIGHT V-8 2"-SWN-1081 2"-SWN-PCV-1205 134 (SOV-1205) M286 135 2"-SWN-64 м286 136 2"-SWN-65 M286 M287 M287 14"-SWN-1084 137 14"-SWN-2 м283 M285M285 138 14"-STRAINER #34 M28**5**M285 139 14"-SWN-1 м283 14"-SWN-1085 140 14"-SWN-2 M280M283M284 141 14"-STRAINER #35 M280M283M284 142 14"-SWN-1 M283 BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION : SERVICE WATER VALVE PIT SERVICE WATER SYSTEM WITHIN FIRE ZONE EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 INDIAN POINT No. 3 DIV. MECH DR. ILR **APPROVED** SYSTEMS INTERACTION STUDY SH 23 OF 38 DATE _____CH_ T P RUGGIERO SCALE NONE INTERACTION MATRIX

								S	DUR	CE	S					
]	2	3	4									
	V-8	VALVES	NO INTERACTION	8"-SCREENWASH HEADER	LIGHT FIX.	CONDUIT	LIGHT FIX.									
		14"-SWN-1086														
	143	14"-SWN-2		м286	м284											
	144	14"-STRAINER #36		M2861	1284											
	145	14"-SWN-1		м286	-											
		2"-SWN-1084														
۱.,	146	2"-SWN-PCV-1208 (SOV-1208)		M283												
		2"-SWN-64		1283												
TARGET	148	2"-SWN-65		M283		M285	1285	·								
F													_			
		2"-SWN-1085 2"-SWN-PCV-1209										_				
•	149	(SOV-1209)		M283								ļ		ļ		
	150 -	2"-SWN-64		M283	-		ļ					ļ				
	151	2"-SWN-65		M28												
													_			
				<u> </u>					<u> </u>			<u> </u>				
.		DING: INTAKE STR	UCTUF	E												
	LOC	ATION : SERVICE !	WATER	VAL	JĘ PI	T			S I	RVTC	E WAT	TER S	YSTE	 М		\dashv
E		SERVICES INCORF	PORA	TED.	POW	ER A	UTH	ORIT					_		. 00	3
DIV	MECH	DR. JLR APPR	ROVE			IN SYS	DIAN TEM: NTER	PO S IN	INT TERA	No. 3	3 ON ST			V-8	4 OF	ı

SOURCES 2 1 NO INTERACTION 8"-SCREENWASH HEADER BOX. VALVES V-8 2"-SWN-1086 2"-SWN-PCV-1210 152 (SOV-1210) 1286 153 2"-SWN-64 M286 154 2"-SWN-65 1286 3"-SWN-1081 3"-SWN-9 M286 155 TARGETS ½"-SWN-58 156 (INST CONN) 286 3"-SWN-1082 3"-SWN-9 157 1286 ½"-SWN-58 158 (INST CONN) 3"-SWN-1083 3"-SWN-9 м286, м289 159 ½"-SWN-58 160 (INST CONN) 1286 M28 BUILDING: INTAKE STRUCTURE FIRE ZONE:_ LOCATION : SERVICE WATER VALVE PIT WITHIN FIRE ZONE SERVICE WATER SYSTEM POWER AUTHORITY STATE OF NEW YORK 5209. 003 EBASCO SERVICES INCORPORATED. INDIAN POINT No. 3 V-8 DIV. MECH DR. JLR **APPROVED** SH 25 OF 38 SYSTEMS INTERACTION STUDY DATE _____CH_ SCALE NONE T P RUGGIERO INTERACTION MATRIX

1



SOURCES NO INTERACTION 8"-SCREENWASH HEADER VALVES V-8 3"-SWN-1084 3"-SWN-9 1286 16.1 ½"-SWN-58 16.2 (INST CONN) M286 3"-SWN-1085 3"-SWN-9 1286 163 ½"-SWN-58 164 (INST CONN) (286 TARGETS 3"-SWN-1086 165 3"-SWN-9 M28 ½"-SWN-58 166 (INST CONN) BUILDING: INTAKE STRUCTURE FIRE ZONE: _ LOCATION : SERVICE WATER VALUE PIT SERVICE WATER SYSTEM WITHIN FIRE ZONE POWER AUTHORITY STATE OF NEW YORK 5209. 003 EBASCO SERVICES INCORPORATED. V-8 INDIAN POINT No. 3 DIV. MECH DR. JLR APPROVED SH 26**OF**38 SYSTEMS INTERACTION STUDY DATE _____CH T P RUGGIERO SCALE NONE INTERACTION MATRIX

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			SOURCES										
			1										
V-8	VALVES .	NO INTERACTION	LIGHT FIX.										
	3"-SWN-1223												
173	3"-SWN-108E	X											
174	SWN-112B (DRN VALVE)	Х											
175	3/4"-SWN-111B	Х											
1.76	AC-UNIT #31	Х											
	3"'-SWN-1224												
177	3"-SWN-108D	Х						_					
177 178	SWN-112A (DRN VALVE)	х										 	
179	3/4"-SWN-111A	Х											
180.	AC-UNIT #32		M265										
,	3"-SWN-1231												
181	3"-SWN-109A		м265										
182	3"-SWN-109B	Х						•					
						-							

LOCATION: A.C. EQUIPT ROOM . WITHIN FIRE ZONE

SERVICE WATER SYSTEM

EBASCO SERVICES	INCORPORATED.	POWER AUTHORITY STATE OF NEW YORK	5209.003
DIV. MECH DR. JLR	APPROVED	INDIAN POINT No. 3 SYSTEMS INTERACTION STUDY	v-° SH ²⁹ OF 38
DATE CH SCALE NONE	T P RUGGIERO	INTERACTION MATRIX	3H 27 UF 30



SOURCES NO INTERACTION VALVES LIGHT FIX CONDUIT CONDUIT V-8 3"-SWN-1223 ½"-SWN-113B 183 (INST. CONN) 3"-SWN-1224 ½"-SWN-113A 184 (INST. CONN.) M263 M263M264 TARGETS BUILDING: CONTROL BUILDING FIRE ZONE:_ LOCATION : HALL OUTSIDE VALVE ROOM WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 V-8 INDIAN POINT No. 3 DIV MECH DR. JLR **APPROVED** SH 30 OF 38 SYSTEMS INTERACTION STUDY DATE____CH_ T P RUGGIERO SCALE NONE INTERACTION MATRIX

I

				SOURCES											
				1	2	3	⁵ 4						·		
	V-8	VALVES	NO INTERACTION	CONDUIT	SPACE HEATER	SPEAKER	BOTTLES								
		6"-SWN-1096													
	185	6"-SWN-FCV-1176 (SOV-1276)		1266	M266	M266	M267	·							
	186	6"-SWN-FCV-1176A (SOV-1276A)					M267								
,	187	SWN-69 (2" VENT)		12 6 6	M266	1266								·	
:		10"-SWN-1093													
တ	188	10"-SWN-30					м267								
_															
ARGE		10"-SWN-1099													
_	189	10"-SWN-29					M267								
	,	3"-SWN-1223				_									
	190	3"-SWN-94B		м266	M266	1266					_				
	191	2"-SWN-PCV-1296		м266	M266										
	192	3"-SWN-108B		м266	M266)									

BUILDING: DIESEL GENERATOR BUILDING

X

FIRE ZONE: ____36A

LOCATION : VALVE ROOM WITHIN FIRE ZONE

SRV-SWN-110B

(3/4" X 1")

SERVICE WATER SYSTEM

EBASCO SERVICES INCORPORATED. POWER AUTHORITY STATE OF NEW YORK 5209.003 INDIAN POINT No. 3 APPROVED DIV. MECH DR. LLR SYSTEMS INTERACTION STUDY SH 31 OF 38 _CH. DATE_ T P RUGGIERO SCALE NONE INTERACTION MATRIX



SOURCES

									,			<u></u>		,	
				1	2	3									
	V-8	VALVES •	NO INTERACTION	CONDUIT	SPACE HEATER	SPEAKER									
r v		3"-SWN-1224													
	194	3"-SWN-94A		M266	M266	M266									
	195	2"-SWN-PCV-1297		1266	M266				· ·						
	196	3"-SWN-108A		м266	M266										
	197	SRV-SWN-110A (3/4" X 1")	Х												
(
TARGETS															
RG															
Þ															
	<u></u>														
											-				
										,					
	31111	DING: DIESEL GENE	RATOR	BUI	LDING										
		ZONE: 36A													
!	OC.	ATION: VALVE RO	OM	· -	•						Ç	י דוזקי	F WA'	2 מקי	YSTEM
		SERVICES INCORP	ORAT	ED.	POW	ER A	UTHO	ORIT'	Y STA				RK :	5209	
		DR.JLR APPR		2				PO1				אטווי	1	V-8 S H 32	OF 38
SCAI	E NO	ONE TPRUG	GIERO	To the				ACTI					-		

					S	OUR	CE	S	 	
			1							
V-8	VALVES .	NO INTERACTION	LIGHT FIX.							
	4"-SWN-1101									
198	SWN-77 (½" VENT)		1269							
199	4"-SWN-62F		M269							
	4"-SWN-1095									
200	SWN-77 (½" VENT)		(269)	ï						
201	4"-SWN-62E	1	1269							
202	SWN-63 (3/4" SRV)		(269)							
202	LÜBE OIL COOLER #33		1269							
20 \$	JACKET WATER COOLER #33		1269							
·	4"-swn-1098									
205	SWN-75 (냥" VENT)		M268							
206	4"-SWN-67		M269							
	7 DWIY-0/		P1203							

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 102A

LOCATION : WITHIN FIRE ZONE

SERVICE WATER SYSTEM

EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209,003 V-8 INDIAN POINT No. 3 APPROVED DIV. MECH_DR._ILR SYSTEMS INTERACTION STUDY SH₃₃ OF₃₈ DATE _____CH_ SCALE NONE T P RUGGIERO INTERACTION MATRIX



SOURCES NO INTERACTION FIX. VALVES: LIGHT V-8 4"-SWN-1100 SWN-77 (½'' VENT) 207 M270 208 4"-SWN-62D M270 4"-SWN-1094 SWN-77 209 (½" VENT) (270 210 4"-SWN-62C M270 TARGETS SWN-63 (3/4" SRV) 211 1270 LUBE OIL COOLER 212 1270 JACKET WATER 213 COOLER #32 1270 4"-SWN-1097 SWN-75 (½" VENT) 1270 214 4"-SWN-67 1270 215 BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: ____ 101A LOCATION :_ WITHIN FIRE ZONE SERVICE WATER SYSTEM EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003 INDIAN POINT No. 3 DIV. MECH DR. JLR **APPROVED** SH 34 OF 38 SYSTEMS INTERACTION STUDY DATE____CH_ T P RUGGIERO SCALE NONE INTERACTION MATRIX

7

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								S	DUR	CES	3			
				1	2	3								
	V-8	VALVES .	NO INTERACTION	CONDUIT	LIGHT FIX.	STATION AIR HEADER								
		2½"-SWN-1196												
ļ	225	2½"-SWN-27	·	м260		1262	-							-
		2½"-SWN-1197												
	226	2½"-SWN-70		M260		1262								
	227	SWN-86 (3/4" X 1" SRV)		м260		1262								
ク 	228	COOLING WATER HT. EXCH NO 32		M260	M261	1262		-						
<u>ן</u>												ļ		
IARGE I		2½''-SWN-1200												
4	229	2½"-SWN-28		м260		1262								
	,	3"-SWN-1200												
	230	3"-SWN-87		м259		м262								
	231	3"-SWN-87 1½"-SWN-TCV-1113		M259		M262								
	232	(AIR OPERT)		M259		M262								
										<u> </u>				

BUILDING: CONTROL BUILDING

FIRE ZONE: 14

LOCATION : _____ WITHIN FIRE ZONE

SERVICE WATER SYSTEM

EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003

DIV. MECH DR. JLR APPROVED INDIAN POINT No. 3

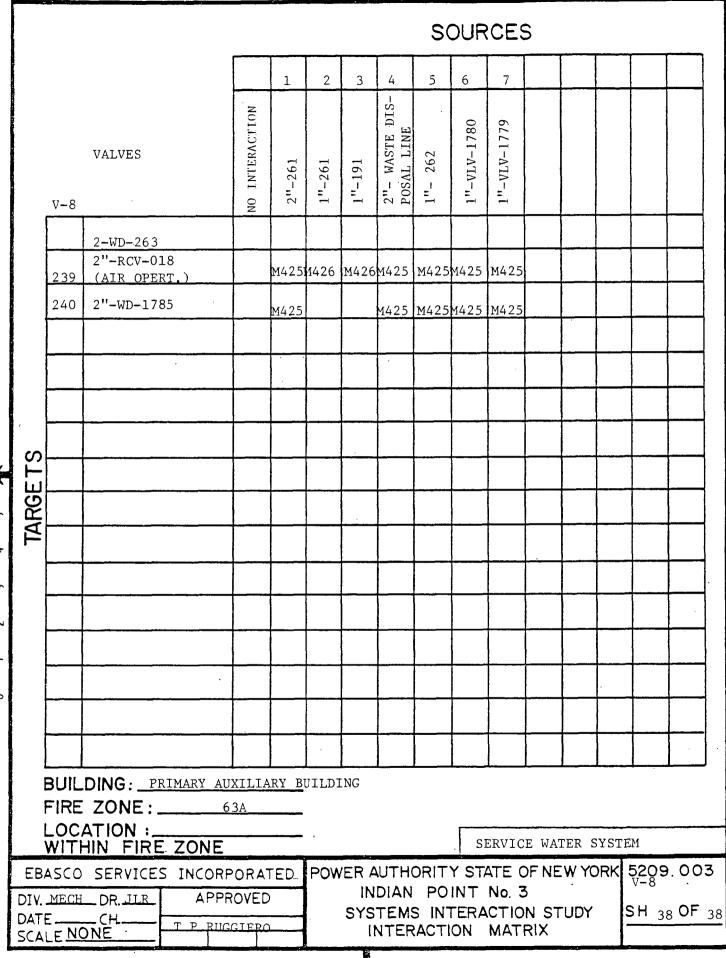
SYSTEMS INTERACTION STUDY SH 36 OF 38

SCALE NONE INTERACTION MATRIX





SOURCES																
				1_	2	3										
	V-8	VALVES	NO INTERACTION	CONDUIT	LIGHT FIX.	STATION AIR HEADER										
		3"-SWN-1201														
	233	3"-SWN-47		м259		м262										l
-		2½"-SWN-1201														
	234	2½"-SWN-28		М260		M262										
S		2½"-SWN-1198														
TARGETS	235	2½"-SWN-27		м260		м262			-							ľ
TAF		2½"-SWN-1199				•										
	236	2½"-SWN-70	,	м260		м262										
	237			м260		M262										
	238	COOLING WATER HT. EXCH. #31		м260	M261	м262										
	FIRE	DING: CONTROL BUI ZONE: 14 ATION:	LDING	3				!				·	·	<u> </u>		
	MITH	HIN FIRE ZONE			•									SYSTE		
	EBASCO SERVICES INCORPORATED POWER AUTHORITY STATE OF NEW YORK 5209.003															
DATE	<u> </u>	DR JLR APPR CH T P RUG ONE .		1		SYST	rems		ERA	CTIO	N ST	UDY	9	3H 37	OF 3	38



POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY

NON-CONNECTED INTERACTIONS EVALUATION

- 1. No Interaction Source is Class II and is therefore supported adequately. (See response to IP-3 FSAR question 5.24).
- 2. Acceptable Source pipe/conduit is equal size or smaller in diameter and/or the same thickness or thinner wall than the target pipe/conduit/tubing. Paragraph 6.2.2.1a Volume I.
- Acceptable Source has insufficient mass to damage the target component.
- 4. Acceptable Basis is engineering judgement. Specific justification is on the evaluation form.
- Potentially
 Unacceptable Discussion of specific is on the evaluation form.
- Potentially
 Unacceptable Source pipe/conduit is large enough to damage target conduit/pipe/tubing.
- 8. No Interaction Upon further investigation of the source, this portion of its system is designated Seismic I.

R2 7/22/82 R1 6/30/82

RO 6/26/82

SYSTEM NO.	8		
SYSTEM NAME _	SERVICE WATER SYSTEM		
	•		
EVALUATION CAT	EGORY	NON-CONNECTED	X

INTERACTION ENGINEER/DATE

WA Griswold 9.9.82

Ebasco Services Incorporated

System	No.	8

Sheet	1	of	521	

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 80A

LOCATION WITHIN FIRE ZCNE: QUADRANT-I-ABOVE EL 68'-0

POTENTIAL INTERACTION NO.: L-8-42-1

PHOTOGRAPH NO.: M30

BACKGROUND NO.: 8-5

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-497 (Black Arrow)

SOURCE: LIGHT FIXTURE 5 (White Arrow)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82 VERIFIED/DATE

Sheet	2	of	521
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System	No	8	
SVSLEII	14(1).	_	

EVALUATION SHEET
BUILDING: REACTOR CONTAINMENT BUILDING
FIRE ZONE: 80A
LOCATION WITHIN FIRE ZONE: QUADRANT-I-ABOVE EL 68!-0
POTENTIAL INTERACTION NO.: L-8-42-2
PHOTOGRAPH NO.: M31
BACKGROUND NO.: 8-5
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-497 (White arrow on the top left)
SOURCE: LIGHT FIXTURE (White arrow on the bottom left)
DESCRIPTION OF POSTULATED INTERACTION: Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 3
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge I. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

System	No.	8	
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INTERACTION ENGINEER / DATE

Sheet	3	of	521

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: REACTOR CONTAINMENT BUILDING
FIRE ZONE: 80A
LOCATION WITHIN FIRE ZONE: QUADRANT-I-ABOVE EL 68'-0
POTENTIAL INTERACTION NO.: L-8-47-2
PHOTOGRAPH NO.: M31
BACKGROUND NO.: 8-5
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-495 (White arrow on the top right)
SOURCE: LIGHT FIXTURE (White arrow on the bottom left)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3
X ACCEPTABLE POTENTIALLY UNACCEPTABL
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

Ebasco Services Incorporated

Stretom	Nο	
System	NO.	Q

BUILDING: REACTOR CONTAINMENT BUILDING FIRE ZONE: 80A LOCATION WITHIN FIRE ZONE: QUADRANT-I-ABOVE EL 68'-0 POTENTIAL INTERACTION NO.: L-8-48-2 PHOTOGRAPH NO.: M31 BACKGROUND NO.: 8-5 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2"-SWN-496 (White Arrow on the top center) SOURCE: LIGHT FIXTURE (White arrow on the bottom left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

ACCEPTABLE

X

W A Griswold 9/9/82 VERIFIED/DATE

-UNACCEPTABLE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: REACTOR CONTAINMENT BUILDING
FIRE ZONE: 81A
LOCATION WITHIN FIRE ZCNE: QUADRANT III - ABOVE EL. 68'-0
POTENTIAL INTERACTION NO.: L-8-47-3
PHOTOGRAPH NO.: M29
BACKGROUND NO.: 8-5
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-495 (White arrow on the center)
SOURCE: LIGHT FIXTURE (White arrow on the top)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO; 3
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W. A. Griswold 9/9/82

System	No.	8

Sheet	6	of	521

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 81A

LOCATION WITHIN FIRE ZONE: QUADRANT III - ABOVE EL. 68'-0

POTENTIAL INTERACTION NO.: L-8-48-3

PHOTOGRAPH NO.: M29

BACKGROUND NO.: 8-5

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-496 (White arrow on the bottom)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 84A

LOCATION WITHIN FIRE ZONE: Quadrant II - Above EL-68'-0

POTENTIAL INTERACTION NO.: L-8-54-1

PHOTOGRAPH NO.: M33

BACKGROUND NO.: 8-6

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-673 (White arrow on the bottom)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/83
INTERACTION ENGINEER/DATE

'W A Griswold 9/9/82

Sheet	8	of	521
	_		ノニエ

BUILDING: REACTOR CONTAINMENT BUILDING	
FIRE ZONE: 84A	
LOCATION WITHIN FIRE ZCNE: QUADRANT II - EL 6	8'-0
POTENTIAL INTERACTION NO.: L-8-65-1	
PHOTOGRAPH NO.: M32	
BACKGROUND NO.: 8-6	
IDENTIFICATION OF INTERACTION COMPONENTS:	•
TARGET: 2"-SWN-498 (Not Shown)	
SOURCE: LIGHT FIXTURE (White arrow on t	he top)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
	•
	DOMENTIALLY
XACCEPTABLE	POTENTIALLY ——————UNACCEPTABLE
	0/0/02
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9/9/82 VERIFIED/DATE
THIENWOITON FROTHERY DAIR	VERTITED/ DATE

BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 84A

LOCATION WITHIN FIRE ZONE: Quadrant II - Above E1-68'-0

POTENTIAL INTERACTION NO.: L-8-65-2

PHOTOGRAPH NO.: M33

BACKGROUND NO.: 8-6

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-498 (White arrow on the middle)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

WA Griswold 9/9/82

VERIFIED/DATE

System	No.	8	

Sheet 10 of	521
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	,	
BUILDING: REACTOR CONTAINMENT BUILDING		
FIRE ZONE: 84A		
LOCATION WITHIN FIRE ZONE: QUADRANT II - EL 6	8'-0	
POTENTIAL INTERACTION NO.: L-8-66-1		
PHOTOGRAPH NO.: M32		
BACKGROUND NO.: 8-6		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-SWN-499 (White arrow on the b	ottom left)	
SOURCE: LIGHT FIXTURE(White arrow on the	top)	
DESCRIPTION OF POSTULATED INTERACTION:	•	
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
X ACCEPTABLE		POTENTIALLY ———UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIF	9/9/82 TIED/DATE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

DESCRIPTION OF POSTULATED INTERACTION:	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: LIGHT FIXTURE (White arrow on the left)	
COURCE. LICHT ELYPHINE (III.i.e	
TARGET: 2"-SWN-495 (White arrow on the right)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-7	
POTENTIAL INTERACTION NO.: L-8-78-1 PHOTOGRAPH NO.: M27	
LOCATION WITHIN FIRE ZCNE: QUADRANT III - ABOVE EL. 68'-0	
FIRE ZONE: 81A	
BUILDING: REACTOR CONTAINMENT BUILDING	

W A Griswold

9/9/82

EVALUATION SHEET
BUILDING: REACTOR CONTAINMENT BUILDING
FIRE ZONE: 82A
LOCATION WITHIN FIRE ZONE: QUADRANT III - ABOVE EL-68'-0
POTENTIAL INTERACTION NO.: L-8-87-1
PHOTOGRAPH NO.: M26
BACKGROUND NO.: 8-7
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"SWN-495 (White arrow on the bottom)
SOURCE: JUNCTION BOX (White arrow on the top)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 3
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

System	No.	8	
- ,		<u>-</u>	

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PI	T
POTENTIAL INTERACTION NO.: L-8-222-3	
PHOTOGRAPH NO.: M283	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1085 (Black Arrow on the Bott	tom Right)
SOURCE: 8"-SCREENWASH HEADER (Black Arrow on	the Top Center)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on Target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
	•
X ACCEPTABLE	POTENTIALLY ———————————————————————————————————
Joige E Rouliguez 0/5/02	A Griswold 9/9/82
TAMERA CETON ENGINEER /DATE	TEDITETED / DATE

Ebasco Services Incorporated

BUILDING:	INTAKE	STRUCTURE
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FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-223-3

PHOTOGRAPH NO.: M283

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1086 (Not Shown)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold

9/9/82

System	No.	8	
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BUILDING: REACTOR CONTAINMENT BUILDING

FIRE ZONE: 83A

LOCATION WITHIN FIRE ZCNE: QUADRANT IV -ABOVE EL-68'-0

POTENTIAL INTERACTION NO.: L-8-94-1

PHOTOGRAPH NO.: M24

BACKGROUND NO.: 8-8

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-674 (Black arrow on the bottom)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: REACTOR CONTAINMENT BUILDING
FIRE ZONE: 83A
LOCATION WITHIN FIRE ZONE: QUADRANT IV - ABOVE EL-68'-0
POTENTIAL INTERACTION NO.: L-8-97-1
PHOTOGRAPH NO.: M24
BACKGROUND NO.: 8-8
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-499 (Black arrow on the center)
SOURCE: LIGHT FIXTURE (White arrow on the top)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 3
·
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

21120112011		
BUILDING: REACTOR CONTAINMENT BUILDING		
FIRE ZONE: 83A		
LOCATION WITHIN FIRE ZONE: QUADRANT IV - ABOV	E EL-68'-0	
POTENTIAL INTERACTION NO.: L-8-97-2		•
PHOTOGRAPH NO.: M25		
BACKGROUND NO.: 8-8		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-SWN-499 (White arrow on the t	op)	,
SOURCE: LIGHT FIXTURE (White arrow on th	e bottom)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
X ACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIFI	9/9/82 ED/DATE
	, 21(11 1	,

System	No.	8

Sheet_16	_of_	521
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BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK

POTENTIAL INTERACTION NO.: L-8-102-1

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-390 (Black arrow on the bottom right)

SOURCE: 2"-45 (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

Jorge L. Rodriguez 8/9/82

UNACCEPTABLE

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY

WA Griswold 9/9/82

VERIFIED/DATE

Ebasco Services Incorporated

	•
BUILDING: PIPE TRENCH	
FIRE ZONE: 79A	
LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK	
POTENTIAL INTERACTION NO.: L-8-102-2	
PHOTOGRAPH NO.: M256	
BACKGROUND NO.: 8-14	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-390 (Black arrow on the bott	om right)
SOURCE: 2"-46 (White arrow on the top left)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	,
·	
XACCEPTABLE	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH		
FIRE ZONE: 79A		
LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK		
POTENTIAL INTERACTION NO.: L-8-102-3		
PHOTOGRAPH NO.: M256		
BACKGROUND NO.: 8-14		•
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 6" -SWN-390 (Black arrow on the	bottom right)	
SOURCE: 2"-47 (White arrow on the top 1	right)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
XACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	VERIF	TIED/DATE

BUILDING: PIPE TRENCH	
FIRE ZONE: 79A	•
LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK	
POTENTIAL INTERACTION NO.: L-8-102-4	
PHOTOGRAPH NO.: M256	
BACKGROUND NO.: 8-14	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-390 (Black arrow on the bot	ttom right)
3	
SOURCE: 2"-48 (White arrow third from the	top right)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE	POTENTIALLY
ACCEF TABLE	UNACCEPTABLI
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

Ebasco Services Incorporated

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK

POTENTIAL INTERACTION NO.: L-8-102-5

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-390 (Black arrow on the bottom right)

SOURCE: 2"-35 (White arrow on the bottom left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY

UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

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System No.

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-102-6 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 6"-SWN-390 (Black arrow on the bottom right) SOURCE: 1"-491 (White arrow on the bottom right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE <u>Jorge L. Rodriguez</u> 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82

BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-102-7 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 6"-SWN-390 (Black arrow on the bottom right) SOURCE: BLOWDOWN TANK NO. 31 (Black arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5 Seismic Category III Tank will Damage 6"-SWN-390. Further evaluation is required. POTENTIALLY ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

System	No.	8

BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-103-1 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 8"-SWN-697 (Not Shown) SOURCE: 2"-45 (White arrow on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

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System	No.	8	
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EVALUATION	burri	
BUILDING: PIPE TRENCH		
FIRE ZONE: 79A		
LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK		
POTENTIAL INTERACTION NO.: L-8-103-2		·
PHOTOGRAPH NO.: M256	·	
BACKGROUND NO.: 8-14		
		•
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 8"-SWN-697 (Not Shown)		·
SOURCE: 2"-46 (White arrow on the top 1	eft)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		•
EVALUATION NOTE NO: 2		
ACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold	9/9/82 ED/DATE
INTERACTION ENGINEER/DATE	VERIFI	ED/DAIE

Sheet	25	of	5 <u>2</u> 1.

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System	No.	8

BUILDING: PIPE TRENCH
FIRE ZONE: 79A

LOCATION WITHIN FIRE ZCNE: BLOWDOWN TANK

POTENTIAL INTERACTION NO.: L-8-103-3

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3'-SWN-697 (Not Shown)

SOURCE: 2"-47 (White arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY

UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

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System	No.	Q
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Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

EVALUATION SHEET BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-103-4 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-697 (Black arrow on the bottom left) SOURCE: 2"-48 (White arrow third form the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE

Ebasco Services Incorporated

W A Griswold

9/9/82

EVALUATION SHEET BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-103-5 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-697 (Not Shown) SOURCE: 2"-53 (White arrow on the bottom left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE

W A Griswold

9/9/82

VERIFIED/DATE

Ebasco Services Incorporated

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

BUILDING: PIPE TRENCH		
FIRE ZONE: 79A		
LOCATION WITHIN FIRE ZONE: BLOWDOWN TANK		
POTENTIAL INTERACTION NO.: L-8-103-6		
PHOTOGRAPH NO.: M256		
BACKGROUND NO.: 8-14	•	
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 3"-SWN-697 (Not Shown)		
SOURCE: 1"-691 (White arrow on the botto	m right)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
XACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE	VERIFIE	ED/ DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PIPE TRENCH FIRE ZONE: 79A LOCATION WITHIN FIRE ZCNE: BLOWDOWN TANK POTENTIAL INTERACTION NO.: L-8-103-7 PHOTOGRAPH NO.: M256 BACKGROUND NO.: 8-14 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3'-SWN-697 (Not Shown) SOURCE: BLOWDOWN TANK NO. 31 (White arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5 Seismic Category III Tank will Damage 3"-SWN-697. Further evaluation required. POTENTIALLY ACCEPTABLE ---UNACCEPTABLE 9/9/82 Jorge L. Rodriguez W A Griswold

EVALUATION SF	EET	•
BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 1		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-115-1		
PHOTOGRAPH NO.: M257		
BACKGROUND NO.: 8-33	•	
·		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 24"-SWN-405 (Black arrow on the h	oottom left)	
SOURCE: 2"-560 (White arrow on the top)		
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		·
EVALUATION NOTE NO: 2		
ACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold	9/9/82
INTERACTION ENGINEER/DAIL	VERIFI	ED/DATE

EVALUATION S	HEET		
BUILDING: PRIMARY AUXILIARY BUILDING			
FIRE ZONE: 1			
LOCATION WITHIN FIRE ZONE:			
POTENTIAL INTERACTION NO.: L-8-116-1			
PHOTOGRAPH NO.: M258			
BACKGROUND NO.: 8-33			
IDENTIFICATION OF INTERACTION COMPONENTS:			
TARGET: 3/4" SAMPLING LINE (Not shown)			
SOURCE: 2"-560 (White arrow)			
DESCRIPTION OF POSTULATED INTERACTION:		-	
Source falls on target			
EVALUATION OF INTERACTION:			
EVALUATION NOTE NO: 6			•
ACCEPTABLE		Х	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A	Griswold	9/9/82
INTERACTION ENGINEER / DATE		VERIFI:	ED/DATE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIFI	. 9/9/82 ED/DATE
ACCEPTABLE	Х	POTENTIALLY
	·	
EVALUATION NOTE NO: 6		
EVALUATION OF INTERACTION:		•
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
Source: CONDUIT (white allow on the top)		
SOURCE: CONDUIT (White arrow on the top)	•	
TARGET: 3/4" SAMPLING LINE (Black arrow o	n the bottom)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-33		
PHOTOGRAPH NO.: M268		
POTENTIAL INTERACTION NO.: L-8-116-2		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 1		
BUILDING: PRIMARY AUXILIARY BUILDING		

INTERACTION ENGINEER / DATE		VERIFI	ED/DATE
Jorge L. Rodriguez 8/9/82		W A Griswold	9/9/82
X ACCEPTABLE			POTENTIALLY UNACCEPTABLE
	•		-
EVALUATION NOTE NO: 2			
EVALUATION OF INTERACTION:			· .
Source falls on target		·	
DESCRIPTION OF POSTULATED INTE	ERACTION:		
SOURCE: 2"-259			
TARGET: 2"-WD-263			
IDENTIFICATION OF INTERACTION	COMPONENTS:		
	60) 50 0) FD WE		
BACKGROUND NO.: 8-31			
PHOTOGRAPH NO.: None, Inacces	ssible Area. (See	PRWG 9321-F-25753	5)
POTENTIAL INTERACTION NO.: L-8	8-119-1		
LOCATION WITHIN FIRE ZONE:			
FIRE ZONE: 68A			
BUILDING: PRIMARY AUXILIARY	BUILDING		

System No	•	88
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BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 68A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-119-2		
PHOTOGRAPH NO.: None, Inaccessible Area.	(See DRWG 9321-F-25753)	
BACKGROUND NO.: 8-31		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-WD-263		
SOURCE: 3"-126		
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		•
EVALUATION NOTE NO: 5		
Source has adequate mass to damage target.	Further evaluation requi	red.
ACCEPTABLE	X	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER / DATE	VERIFIED	/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 68A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-119-3

PHOTOGRAPH NO.: None, Inaccessible Area (See DRWG 9321-F-25753)

BACKGROUND NO.: 8-31

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-WD-263

SOURCE: EVAP. COND. DEMIN. #31

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

ACCEPTABLE X POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERAC	7	
EVALUATION SHEET		
BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 17A		
LOCATION WITHIN FIRE ZONE:	-	
POTENTIAL INTERACTION NO.: L-8-121-1		
PHOTOGRAPH NO.: M252		
BACKGROUND NO.: 8-39		
•		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 18"-SWN-407 (Not shown)		
SOURCE: CONDUIT (White arrow on the top)		
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:	•	
EVALUATION NOTE NO: 2		
X ACCEPTABLE .		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE	VERIFIED	/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-121-2

PHOTOGRAPH NO.: M252

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-407 (Not Shown)

SOURCE: LIGHT FIXTURE (White arrow on the bottom)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE .		POTENTIALLY
		UNACCEPTABL
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE	VERIFIE	D/DATE

Evil Boll Tolv Bi		
BUILDING: PRIMARY AUXILIARY BUILDING	•	
FIRE ZONE:17A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-122-3		
PHOTOGRAPH NO.: M253		
BACKGROUND NO.: 8-39		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 18"-SWN-411 (White arrow on the	bottom)	
SOURCE: CONDUIT (White Arrow on the to	p) _.	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
		POTENTIALLY
ACCEPTABLE		UNACCEPTABLE
Torgo I. Podriguez 9/0/99	II A Cond	9/9/82
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIFI	ED/DATE

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System No. 9

INTERACTION ENGINEER / DATE

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 17A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-122-4 PHOTOGRAPH NO.: M253 BACKGROUND NO.: 8-39 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 18"-SWN-411 (White arrow on the bottom) SOURCE: LIGHT FIXTURE (White arrow 2nd from the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE 9/9/82 Jorge L. Rodriguez 8/9/82 W A Griswold

Ebasco Services Incorporated

	Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswo	old 9 ERIFIED	/9/82 /DATE
	ACCEPTABLE		X	POTENTIALLY UNACCEPTABLE
	EVALUATION NOTE NO: 6			
	EVALUATION OF INTERACTION:			
	Source falls on target			
	DESCRIPTION OF POSTULATED INTERACTION:			
	SOURCE: CONDUIT (White arrow on the top)			
). }	TARGET: 3/4" SAMPLING LINE (Black arrow on	the bottom)		
	IDENTIFICATION OF INTERACTION COMPONENTS:			
	BACKGROUND NO.: 8-39	٠.		
	PHOTOGRAPH NO.: M253			
	POTENTIAL INTERACTION NO.: L-8-123-3			
	LOCATION WITHIN FIRE ZONE:			
	FIRE ZONE:17A			
	BUILDING: PRIMARY AUXILIARY BUILDING			

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BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 17A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-123-4	
PHOTOGRAPH NO.: M253	
BACKGROUND NO.: 8-39	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 3/4" SAMPLING LINE (Black arrow on the bottom)	
SOURCE: LIGHT FIXTURE (White arrow 2nd from the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5	
Source has sufficient mass to damage target. Further evaluation required.	
ACCEPTABLE X POTENTIAL UNACCEPTA	
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE	
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BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 27A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-124-6

PHOTOGRAPH NO.: M254

BACKGROUND NO.: 8-45

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-405 (Black arrow on the bottom)

SOURCE: LIGHT FIXTURE (White arrow 3 rd from top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIF	9/9/82 IED/DATE
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XACCEPTABLE	·	POTENTIALLYUNACCEPTABLE
•		
EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:	· .	
		. •
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: CONDUIT (White arrow on the top)		
Committee of the control of the bottom of th	Om)	
TARGET: 24"-SWN-405 (Black arrow on the bott	om)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-45		
PHOTOGRAPH NO.: M254		
POTENTIAL INTERACTION NO.: L-8-124-7		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 27A		
BUILDING: PRIMARY AUXILIARY BUILDING		

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 27A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8+124-8 PHOTOGRAPH NO.: M254 BACKGROUND NO.: 8-45 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 24"-SWN-405 (Black arrow on the bottom) SOURCE: 2"-393 (Black arrow 2nd from the bottom middle) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82

BUILDING: PRIMARY AUXILIARY BUILDING		•
FIRE ZONE: 27A		
LOCATION WITHIN FIRE ZONE:	·	
POTENTIAL INTERACTION NO.: L-8-125-7	,	
PHOTOGRAPH NO.: M254		
BACKGROUND NO.: 8-45	·	
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 18"-SWN-405 (Black arrow on the m	iddle right)	
SOURCE: CONDUIT (White arrow on the top)		
	•	
DESCRIPTION OF POSTULATED INTERACTION:		•
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
		DOMESTALLS
ACCEPTABLE		POTENTIALLY
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	<u>W A Griswold</u> VERIF	9/9/82 TIED/DATE

	System	No.	8
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BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE:27A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-127-6

PHOTOGRAPH NO.: M254

BACKGROUND NO.: 8-45

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-509 (Not Shown)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY

UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

System	No.	8
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BUILDING: PRIMARY AUXILIARY BUILDING
FIRE ZONE: 27A
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-127-7
PHOTOGRAPH NO.: M254
BACKGROUND NO.: 8-45
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 18"-SWN-509 (Black arrow on the top right)
SOURCE: CONDUIT (Black arrow on the top middle)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

ACCEPTABLE

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W A Griswold 9/9/82 VERIFIED/DATE

POTENTIALLY

-UNACCEPTABLE

System No. 8

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BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 27A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-128-1		
PHOTOGRAPH NO.: M254		
BACKGROUND NO.: 8-45		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 14"-SWN-410 (Black arrow on the	top right)	
SOURCE: 3/4"-414 (Black arrow 1st from t	he top middle)	
DESCRIPTION OF POSTULATED INTERACTION:		
·		
Source falls on target		
EVALUATION OF INTERACTION:		•
EVALUATION NOTE NO: 2		
		,
XACCEPTABLE		POTENTIALLY
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE		IED/DATE

System	No	8
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EVALUATION S	HEET	
BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 27A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-128-2		
PHOTOGRAPH NO.: M254		
BACKGROUND NO.: 8-45		
IDENTIFICATION OF INTERACTION COMPONENTS:	·	-
TARGET: 14"-SWN-410 (Black arrow on the	top right)	•
SOURCE: 2"-560 (Black arrow on the top le	eft)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target .		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
•		
X ACCEPTABLE	· · · · · · · · · · · · · · · · · · ·	POTENTIALLY UNACCEPTABLE
	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE	VERIF	IED/DATE

System	No.	8	
System	No.	8	

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EVALUATION SHEET
BUILDING: PRIMARY AUXILIARY BUILDING
FIRE ZONE: 27A
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-128-4 .
PHOTOGRAPH NO.: M254
BACKGROUND NO.: 8-45
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-410 (Black arrow on the top right)
SOURCE: 2"-560 (Black arrow 2nd from the top in the middle)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82
INTERACTION ENGINEER / DATE VERIFIED / DATE

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BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 27A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-128-5	
PHOTOGRAPH NO.: M254	
BACKGROUND NO.: 8-45	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-410 (Black arrow on the top right)	
SOURCE: AUXILIARY STEAM LINE (Black arrow 2nd from top left)	
DECORTOR OF DOCUMENTS TANDED CONTON	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	•
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE:	POTENTIALLY
ACCEPTABLE	UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/	' 82
INTERACTION ENGINEER / DATE WAR GFISWOTH VERIFIED / D.	

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VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

FIRE ZONE:27A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-128-6 PHOTOGRAPH NO.: M254 BACKGROUND NO.: 8-45 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3	BUILDING: PRIMARY AUXILIARY BUILDING	
POTENTIAL INTERACTION NO.: L-8-128-6 PHOTOGRAPH NO.: M254 BACKGROUND NO.: 8-45 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	FIRE ZONE: 27A	
PHOTOGRAPH NO.: M254 BACKGROUND NO.: 8-45 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	LOCATION WITHIN FIRE ZONE:	
BACKGROUND NO.: 8-45 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	POTENTIAL INTERACTION NO.: L-8-128-6	
IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	PHOTOGRAPH NO.: M254	
TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	BACKGROUND NO.: 8-45	
TARGET: 14"-SWN-410 (Black arrow on the top right) SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:		
SOURCE: LIGHT FIXTURE (White arrow 3rd from the left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	IDENTIFICATION OF INTERACTION COMPONENTS:	
DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION:	TARGET: 14"-SWN-410 (Black arrow on the top right)	
Source falls on target EVALUATION OF INTERACTION:	SOURCE: LIGHT FIXTURE (White arrow 3rd from the left)	
EVALUATION OF INTERACTION:	DESCRIPTION OF POSTULATED INTERACTION:	
	Source falls on target	
EVALUATION NOTE NO: 3		
	EVALUATION NOTE NO: 3	
•	•	
X ACCEPTABLE POTENTIALLY UNACCEPTABLE	X ACCEPTABLE	POTENTIALLY —UNACCEPTABLE

TATELOACTION ENGINEER/DATE VERIFIED/DATE
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
EVALUATION NOTE NO: 2
EVALUATION OF INTERACTION:
Source falls on target
DESCRIPTION OF POSTULATED INTERACTION:
SOURCE: CONDUIT (White arrow on the top)
 TARGET: 14"-SWN-410 (Black arrow on the top right)
IDENTIFICATION OF INTERACTION COMPONENTS:
BACKGROUND NO.: 8-45
PHOTOGRAPH NO.: M254
POTENTIAL INTERACTION NO.: L-8-128-7
LOCATION WITHIN FIRE ZONE:
FIRE ZONE:27A
BUILDING: PRIMARY AUXILIARY BUILDING

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-144-1

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-409 (White arrow on the bottom)

. SOURCE: CONDUIT (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-144-2

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-409 (White arrow on the bottom)

SOURCE: LIGHT FIXTURE (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: YARD FIRE ZONE: LOCATION WITHIN FIRE ZONE: VALVE PIT POTENTIAL INTERACTION NO.: L-8-144-3 PHOTOGRAPH NO.: M276 BACKGROUND NO.: 8-53 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 24"-SWN-409 (White arrow on the bottom) SOURCE: LIGHT FIXTURE (Black arrow on the top left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE 9/9/82 Jorge L. Rodriguez 8/9/82 A Griswold INTERACTION ENGINEER / DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-144-4

PHOTOGRAPH NO.: M277

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-409 (Black arrow on the middle left)

SOURCE: LIGHT FIXTURE (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target ,

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-144-5

PHOTOGRAPH NO:: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-409 (Black arrow on the bottom right)

SOURCE: LIGHT FIXTURE (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriquez 8/9/82
INTERACTION ENGINEER/DATE

EUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-145-1

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-408 (White arrow on the right)

SOURCE: CONDUIT (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
- INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-145-2

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-408 (White arrow on the right)

SOURCE: LIGHT FIXTURE (Black arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-145-3

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-408 (White arrow on the right)

SOURCE: LIGHT FIXTURE (Black arrow on the left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

BUILI	DING:	YARD
FIRE	20NE:	

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: L-8-145-5

PHOTOGRAPH NO.: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-408 (Black arrow on the bottom left)

SOURCE: LIGHT FIXTURE (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

BUILDING: YARD
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.
POTENTIAL INTERACTION NO.: L-8-148-2
PHOTOGRAPH NO.: M302
BACKGROUND NO.: 8-79
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 10"-SWN-1221 (Black arrow on the right center)
SOURCE: CONDUIT BOX & CONDUIT (Black arrow on the top)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: L-8-149-1

PHOTOGRAPH NO.: M301

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16"-SWN-1219 (White arrow on the bottom center)

SOURCE: SPACE HEATER (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: L-8-149-2

PHOTOGRAPH NO.: M302

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16"-SWN-1219 (White arrow on the bottom left)

SOURCE: CONDUIT BOX & CONDUIT (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

BUILDING: YARD

FIRE ZONE:

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: L-8-151-1

PHOTOGRAPH NO.: M301

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16"-SWN-1220 (White arrow on the bottom right)

SOURCE: SPACE HEATER (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

X ACCEPTABLE

EVALUATION OF INTERACTION:

Source falls on target

EVALUATION NOTE NO: 3

POTENTIALLY --UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

EUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: L-8-151-2

PHOTOGRAPH NO.: M302

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16"-SWN-1220 (White arrow on the bottom center)

SOURCE: CONDUIT BOX & CONDUIT (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE ____

---UNACCEPTABLE

POTENTIALLY

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 59A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-153-1 PHOTOGRAPH NO.: M237 BACKGROUND NO.: 8-17 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 10"-SWN-11b (White arrow 3rd from the top left) SOURCE: CONDUIT (Black arrow on the center right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

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BUILDING: PRIMARY AUXILIARY BUILDING
FIRE ZONE: 59A
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-155-3
PHOTOGRAPH NO.: M255
BACKGROUND NO.: 8-16
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 10"-SWN-11d (White arrow on the top)
SOURCE: 3"-#95 (Black arrow on the top right)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NC: 2
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

INTERACTION ENGINEER / DATE	VERIFI	ED/DATE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold	9/9/82
XACCEPTABLE	-	POTENTIALLY ———UNACCEPTABLE
EVALUATION NOTE NO: 2	·	
EVALUATION OF INTERACTION:		•
Source fairs on target		
Source falls on target		·
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: CONDUIT (White arrow on the cent	er)	
TARGET: 10"-SWN-11e (White arrow on t	he bottom)	
IDENTIFICATION OF INTERACTION COMPONENTS:		•
BACKGROUND NO.: 8-16		
PHOTOGRAPH NO.: M240		
POTENTIAL INTERACTION NO.: L-8-156-2		
LOCATION WITHIN FIRE ZONE:		·
FIRE ZONE: 59A		
BUILDING: PRIMARY AUXILIARY BUILDING	,	

BUILDING: PRIMARY AUXILIARY BUILDING

ACCEPTABLE

8/9/82

Jorge L. Rodriguez

INTERACTION ENGINEER / DATE

POTENTIALLY

9/9/82

VERIFIED/DATE

-UNACCEPTABLE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

	•
FIRE ZONE: 59A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-160-1	
PHOTOGRAPH NO.: M237	
BACKGROUND NO.: 8-17	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 1"-SWN-469 (White arrow 2nd from the bottom center)	,
SOURCE: CONDUIT (Black arrow on the right)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	

W A Griswold

FIRE ZONE: 59A
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-161-1
PHOTOGRAPH NO.: M237
BACKGROUND NO.: 8-17

IDENTIFICATION OF INTERACTION COMPONENTS:

BUILDING: PRIMARY AUXILIARY BUILDING

TARGET: $1\frac{1}{2}$ "-SWN-469 (White arrow 2nd from the top left)

SOURCE: CONDUIT (Black arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X	ACCEPTABLE	POTENTIALLY
X	ACCEPTABLE	

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-162-1

PHOTOGRAPH NO.: M237

BACKGROUND NO.: 8-17

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: $2\frac{1}{2}$ "-SWN-469 (White arrow on the top center)

SOURCE: CONDUIT (Black arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

Jorge L. Rodriguez 8/9/82 W A	A Griswold	9/9/82
ACCEPTABLE		POTENTIALLY
EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:	·	
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: CONDUIT (White arrow on the center)		
TARGET: 1"-SWN-471 (Black arrow on the center)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-16		
PHOTOGRAPH NO.: M240		
POTENTIAL INTERACTION NO.: L-8-171-5		
LOCATION WITHIN FIRE ZCNE:		
FIRE ZONE: 59A		
BUILDING: PRIMARY AUXILIARY BUILDING	•	

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-174-1

PHOTOGRAPH NO.: M237

BACKGROUND NO.: 8-17

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-408 (Not Shown)

SOURCE: CONDUIT (Black arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

VERIFIED/DATE

9/9/82

INTERACTION ENGINEER/DATE	VERIFIED/DATE
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
XACCEPTABLE	POTENTIALLY ——UNACCEPTABLE
•	
EVALUATION NOTE NO: 3	
EVALUATION OF INTERACTION:	-
THAT HATTON OF THEFT A CETTON	•
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	•
·	
SOURCE: LIGHT FIXTURE (White arrow on the	center)
TARGET: 18"-SWN-408 (Not Shown)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-17	
PHOTOGRAPH NO.: M238	
POTENTIAL INTERACTION NO.: L-8-174-2	•
LOCATION WITHIN FIRE ZONE:	
FIRE ZONE: 59A	
BUILDING: PRIMARY AUXILIARY BUILDING	

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INTERACTION ENGINEER / DATE	VERIF	TED/DATE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82 .
ACCEPTABLE		POTENTIALLYUNACCEPTABLE
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EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		·
SOURCE: CONDUIT (White arrow on the center)		
TARGET: 18"-SWN-408 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-17		
PHOTOGRAPH NO.: M238		
POTENTIAL INTERACTION NO.: L-8-174-3		
LOCATION WITHIN FIRE ZONE:	·	
FIRE ZONE: 59A		
BUILDING: PRIMARY AUXILIARY BUILDING		

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 59A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-175-4 PHOTOGRAPH NO.: M239 BACKGROUND NO.: 8-16 IDENTIFICATION OF INTERACTION COMPONENTS: -TARGET: 14"-SWN-408 (Black arrow on the bottom) SOURCE: LIGHT FIXTURE (Black arrow on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82

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FIRE	ZONE	:59A		

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-175-8

PHOTOGRAPH NO.: M255

BACKGROUND NO.: 8-16

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-408 (Black arrow on the bottom)

SOURCE: 3"-#95 (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

EUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 59A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-177-6 PHOTOGRAPH NO.: M241 BACKGROUND NO.: 8-16 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 10"-SWN-12e (Black arrow on the top) SOURCE: CONDUIT (White arrow on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-177-7

PHOTOGRAPH NO.: M241

BACKGROUND NO.: 8-16

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-12e (Black arrow on the top)

SOURCE: LIGHT FIXTURE (Not Shown)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER / DATE

System	No.	8

BUILDING: FAN HOUSE FIRE ZONE: 88A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-197-8 PHOTOGRAPH NO.: M246 BACKGROUND NO.: 8-19 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 10 "-SWN-12e (White arrow on the bottom left) **SOURCE:** SPEAKER (Black arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 W A Griswold INTERACTION ENGINEER/DATE VERIF	9/9/82 IED/DATE
X _ACCEPTABLE	POTENTIALLY
EVALUATION NOTE NO: 2	
EVALUATION OF INTERACTION:	
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: CONDUIT (Two white arrows on the top)	
TARGET: 18"-SWN-406 (Black arrow on the bottom center)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-20	
PHOTOGRAPH NO.: M247	
POTENTIAL INTERACTION NO.: L-8-198-9	
LOCATION WITHIN FIRE ZONE:	
FIRE ZONE: 88A	
BUILDING: FAN HOUSE	

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System No. 8

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET
BUILDING: FAN HOUSE
FIRE ZONE:88A
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-198-3
PHOTOGRAPH NO.: M246
BACKGROUND NO.: 8-20
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 18"-SWN-406 (Black arrow on the bottom center)
SOURCE: SPEAKER (Black arrow on the top center)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 3
ZVIIZONIZZON NOZZ NOV 3
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge I Rodriguez 8/9/82 W A Griswold 9/9/82
Interaction Engineer / Date W A Griswold 979762 WERIFIED/DATE
,

EUILDING: FAN HOUSE

FIRE CONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-1

PHOTOGRAPH NO.: M242

BACKGROUND NO.: 8-20

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (Black arrow on the top left)

SOURCE: CONDUIT (White arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-2

PHOTOGRAPH NO.: M242

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (Black arrow on the bottom left)

SOURCE: LIGHT FIXTURE (Two white arrows on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY

UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

WA Griswold 9/9/82

VERIFIED/DATE

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-3

PHOTOGRAPH NO.: M243

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (Black arrow on the bottom left)

SOURCE: SPEAKER (White arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY X ACCEPTABLE -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-4

PHOTOGRAPH NO.: M244

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (Black arrow on the top right)

SOURCE: CONDUIT (White arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-7

PHOTOGRAPH NO.: M245

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (Black arrow on the top right)

SOURCE: LIGHT FIXTURE (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

UNACCEPTABLE

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-8

PHOTOGRAPH NO.: M246

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (White arrow on the top right)

SOURCE: SPEAKER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-199-9

PHOTOGRAPH NO.: M247

BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-406 (White arrow on the center)

SOURCE: CONDUIT (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-200-1

PHOTOGRAPH NO.: M248

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-406 (White arrow on the bottom left)

SOURCE: LID COVER FROM TEMP HEAT TRACE #33A (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

Jorge L. Rodriguez 8/9/82

UNACCEPTABLE

WA Griswold 9/9/82

UNTERACTION ENGINEER/DATE

VERIFIED/DATE

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RAITDING:	PRIMARY	AUXILIARY	BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-204-2

PHOTOGRAPH NO.: M251

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-408 (Black arrow on the top right)

SOURCE: 3"-STEAM LINE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

INTERACTION ENGINEER/DATE

EVALUATION NOTE NO: 2

ACCEPTABLE
POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-204-3

PHOTOGRAPH NO.: M249

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-408 (Black arrow on the center right)

SOURCE: 3/4"-875 (White arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
---UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
**INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 62A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-205-2	
PHOTOGRAPH NO.: M251	
BACKGROUND NO.: 8-13	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 18"-SWN-409 (White arrow on the center right)	
SOURCE: 3"-STEAM LINE (White arrow on the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	•
EVALUATION NOTE NO: 2	·
	DOMENTAL 1 1 11
**	POTENTIALLY

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

ACCEPTABLE

W A Griswold 9/9/82
VERIFIED/DATE

-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
**INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 62A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-205-3	
PHOTOGRAPH NO.: M249	
BACKGROUND NO.: 8-13	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 18"-SWN-409 (White arrow on the bottom right)	
SOURCE: 3/4"-875 (White arrow on the top center)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERAÇTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE	POTENTIALLY —UNACCEPTABLE

W A Griswold

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-206-2

PHOTOGRAPH NO.: M250

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-11 (White arrow on the center right)

SOURCE: 3"-STEAM LINE (White arrow 2nd from the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

ACCEPTABLE

X /

Jorge L. Rodriguez 8/9/82
**INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-206-3

PHOTOGRAPH NO.: M250

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-11 (White arrow on the center right)

SOURCE: 3/4"-875 (White arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
**NTERACTION ENGINEER/DATE

W A Griswold

9/9/82

,		
BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	
POTENTIAL INTERACTION NO.: L-8-211-8		
PHOTOGRAPH NO.: M288		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 8"-SWN-409 (Not Shown)		
SOURCE: SPACE HEATER (Black arrow on the	top)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
	,	
		POTENTIALLY
XACCEPTABLE		UNACCEPTABL
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER / DATE		ED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-211-9

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 8"-SWN-409 (Not Shown)

SOURCE: CONDUIT (Black arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

VERIFIED/DATE

POTENTIALLY
UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: INTAKE STRUCTURE	ı	
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	
POTENTIAL INTERACTION NO.: L-8-215-2		
PHOTOGRAPH NO.: M282	÷	
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:	·	
TARGET: 14"-SWN-1083 (Not Shown)		·
SOURCE: TEMPORARY PROPANE TANKS (Two black a	arrows on the center)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target	•	
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 5	•	
Source has adequate mass to damage target.	Further evaluation r	equired.
ACCEPTABLE	X	POTENTIALLYUNACCEPTABLE
Jorge L. Rodriguez 8/9/82 **NTERACTION ENGINEER/DATE	W A Griswold VERIF	9/9/82 IED/DATE

System	No.	8

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
POTENTIAL INTERACTION NO.: L-8-215-3	
PHOTOGRAPH NO.: M286	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1083 (White arrow on the bottom left)	
SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top r	ight)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	·
EVALUATION NOTE NO: 2	
Y	POTENTIALLY
X ACCEPTABLE	UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswol	d 9/9/82
	ERIFIED/DATE

BUILDING: INTAKE STRUCTURE
BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-215-5
PHOTOGRAPH NO.: M285
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-1083 (Not Shown)
SOURCE: CONDUIT (White arrow on the top conduit connected to light is not shown)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	•
POTENTIAL INTERACTION NO.: L-8-215-6	
PHOTOGRAPH NO.: M285	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1083 (Not Shown)	
SOURCE: LIGHT FIXTURE (White arrow on the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO; 3	
X ACCEPTABLE	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold INTERACTION ENGINEER/DATE VERIFI	9/9/82 ED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-215-11

PHOTOGRAPH NO.: M289

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1083 (Black Arrow 2nd from the bottom right)

SOURCE: ELEC. BOX (Black Arrown on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82
VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-216-2

PHOTOGRAPH NO.: M282

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1082 (Black Arrow on the bottom left)

SOURCE: TEMPORARY PROPANE TANKS (Two Black Arrows on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

ACCEPTABLE X

Y POTENTIALLY UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION, ENGINEER / DATE

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: L-8-216-3 PHOTOGRAPH NO.: M286 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-1082 (Not Shown) SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82

Ebasco Services Incorporated

System	No.	8	

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

•
BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-216-5
PHOTOGRAPH NO.: M287
BACKGROUND NO.:
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-1082 (Not Shown)
SOURCE: CONDUIT (White Arrow on the Top Right)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on Target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
X ACCEPTABLE POTENTIALLY UNACCEPTABL
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-216-7

PHOTOGRAPH NO.: M287

BACKGROUND NO.:

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1082 (Not Shown)

SOURCE: LIGHT FIXTURE (White Arrow on the Top Left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

X ACCEPTABLE	POTENTIALLYUNACCEPTABLE
	DOMENIME AT TW
EVALUATION NOTE NO: 3	
EVALUATION OF INTERACTION:	
Source falls on Target	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: SPACE HEATER (Black Arrow on the Top)	
TARGET: 14"-SWN-1082 (Not Shown)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8/80	
PHOTOGRAPH NO.: M288	
POTENTIAL INTERACTION NO.: L-8-216-8	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
FIRE ZONE:	
BUILDING: INTAKE STRUCTURE	

Ebasco Services Incorporated

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-216-9

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1082 (Not Shown)

SOURCE: CONDUIT (Black Arrow on the Bottom Right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

Cystem No. 8

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-216-11

PHOTOGRAPH NO.: M289

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1082 (Black Arrow on the Bottom Right)

and the second of the second o

SOURCE: ELEC. BOX (Black Arrow on the Center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

System	Nο.	.۵	
U y U C C III	2,00		

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-217-3

PHOTOGRAPH NO.: M286

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1081 (Not Shown)

SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

•		
BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	
POTENTIAL INTERACTION NO.: L-8-217-5		
PHOTOGRAPH NO.: M287		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 14"-SWN-1081 (Not Shown)		
SOURCE: CONDUIT (White Arrow on the Top R	ight)	
DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
XACCEPTABLE		POTENTIALLY UNACCEPTABLE
Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold VERIFI	9/9/82 ED/DATE

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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE			
FIRE ZONE:			
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT		
POTENTIAL INTERACTION NO.: L-8-217-7			
PHOTOGRAPH NO.: M287			
BACKGROUND NO.: 8-80			
IDENTIFICATION OF INTERACTION COMPONENTS:			
TARGET: 14"-SWN-1081 (Not Shown)			
•			
SOURCE: LIGHT FIXTURE (White Arrow on the	e Top Left)		
			,
DESCRIPTION OF POSTULATED INTERACTION:			
Source falls on Target			
THAT WARTON OF THEFT A			
EVALUATION OF INTERACTION:			
EVALUATION NOTE NO: 3			
•			
X ACCEPTABLE			POTENTIALLY
			-UNACCEPTABLE
<u>Jorge L Rodriguez 8/9/82</u> INTERACTION ENGINEER/DATE	W A Griswold	9/9/82	
INTERACTION ENGINEER / DATE	VERT	FIED/DA	re.

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-217-8

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1081 (Not Shown)

SOURCE: SPACE HEATER (Black Arrow on the Top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING:	INTAKE	STRUCTURE
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FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-217-9

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1081 (Not Shown)

SOURCE: CONDUIT (Black Arrow on the Bottom Right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: L-8-217-10 PHOTOGRAPH NO.: M288 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-1081 (Not Shown) SOURCE: CONDUIT BOX (White Arrow on the Bottom Right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L Rodriguez 8/9/82 9/9/82

System No	8
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BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-218-3
PHOTOGRAPH NO.: M286
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-1083 (Black Arrow on the Top Center)
SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Right)
DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target
boarde laris on larger
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
DOTENTALLY
ACCEPTABLE Y POTENTIALLY UNACCEPTABLE
Jorge J Rodriguez 8/9/82 W A Griswold 9/9/82
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

System	No.	8	

BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	E PIT	
POTENTIAL INTERACTION NO.: L-8-218-5		
PHOTOGRAPH NO.: M285		•
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-SWN-1083 (Black Arrow on the	Top Left)	
SOURCE: CONDUIT (White Arrow on the Top shown)	conduit connecte	d to light is not
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on Target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
,		
XACCEPTABLE		POTENTIALLY
Jorge L Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER / DATE	VERIF	TED/DATE

Ebasco Services Incorporated

System	No.	8	

INTERACTION ENGINEER/DATE		IED/DATE
Jorge L Rodriguez 8/9/82	W A Griswold	9/9/82
ACCEPTABLE		POTENTIALLY ——UNACCEPTABLE
•		
EVALUATION NOTE NO: 3		
EVALUATION OF INTERACTION:		
boards rails on ranger		
Source falls on Target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: LIGHT FIXTURE (White Arrow on t	the Top)	
TARGET: 2"-SWN-1083 (Black Arrow on the	ne Top Left)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
	·	
BACKGROUND NO.: 8-80		
PHOTOGRAPH NO.: M285		
POTENTIAL INTERACTION NO.: L-8-218-6		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VAL	VE PIT	
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		

BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-219-3
PHOTOGRAPH NO.: M286
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2 "-SWN-1082 (Black Arrow on the Top Left)
(Black Allow on the Top Left)
SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Right)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on Target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
ACCEPTABLE X POTENTIALLY
UNACCEPTABLE
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82
INTERACTION ENGINEER/DATE VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

TARGET: 2"-SWN-1082 (Not Shown)	
TARGET: 2"-SWN-1082 (Not Shown)	
IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2"-SWN-1082 (Not Shown)	
IDENTIFICATION OF INTERACTION COMPONENTS.	
BACKGROUND NO.: 8-80	
POTENTIAL INTERACTION NO.: L-8-219-5 PHOTOGRAPH NO.: M287	
FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
BUILDING: INTAKE STRUCTURE FIRE ZONE:	

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-219-7

PHOTOGRAPH NO.: M287

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-1082 (Not Shown)

SOURCE: LIGHT FIXTURE (White Arrow on the Top Center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-220-3
PHOTOGRAPH NO.: M286
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-1081 (Not Shown)
SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Right)
DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
ACCEPTABLE X POTENTIALLY UNACCEPTABLE
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

System	No	8
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BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
POTENTIAL INTERACTION NO.: L-8-220-5	
PHOTOGRAPH NO.: M287	
BACKGROUND NO.: 8-80	
	·
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 2"-SWN-1081 (Not Shown)	
SOURCE: CONDUIT (White Arrow on the Top Right) DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on Target	
Source Tails on Target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE	POTENTIALLYUNACCEPTABLE
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/ INTERACTION ENGINEER/DATE VERIFIED/D.	

INTERACTION ENGINEER / DATE	VERIFIED	/DATE
Jorge L Rodriguez 8/9/82	W A GIISWOIG	9/82
X · ACCEPTABLE		POTENTIALLY UNACCEPTABLI
EVALUATION NOTE NO: 3	•	
EVALUATION OF INTERACTION:	e e e e e e e e e e e e e e e e e e e	
Source falls on Target		
DESCRIPTION OF POSTULATED INTERACTION:	:	
	:	
SOURCE: LIGHT FIXTURE (White Arrow on th	e Top Center)	
TARGET: 2"-SWN-1081 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-80		
PHOTOGRAPH NO.: M287	*.	•
POTENTIAL INTERACTION NO.: L-8-220-7		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		•

BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-221-3
PHOTOGRAPH NO.: M283
BACKGROUND NO.: 8/80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-1084 (White Arrow on the Bottom Left)
SOURCE: 8"-SCREENWASH HEADER (Black Arrow on the Top Center)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on Target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
POTENTIALLY
X ACCEPTABLEUNACCEPTABL
Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

l
BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-221-5
PHOTOGRAPH NO.: M285
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-1084 (Not Shown)
SOURCE: CONDUIT (White Arrow on the Top conduit connected to light is not shown)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on Target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
X ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82 VERIFIED/DATE
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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-221-6

PHOTOGRAPH NO.: M285

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1084 (Not Shown)

SOURCE: LIGHT FIXTURE (White Arrow on the Top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on Target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

. Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold

9/9/82

INTERACTION ENGINEER / DATE	VERIF	TIED/DATE
Jorge L Rodriguez 8/9/82	W A Griswold	9/9/82
ACCEPTABLE	Х	POTENTIALLYUNACCEPTABLE
Source as adequate mass to damage target. For	urther evaluation	required.
EVALUATION NOTE NO: 5		
EVALUATION OF INTERACTION:		
DESCRIPTION OF POSTULATED INTERACTION: Source falls on Target		
DECORIDATOR OF DOCUME AFED THEFT OF ON		
SOURCE: TEMPORARY SPACE HEATER (White Arro	ow 2nd from the Bo	ttom Right)
TARGET: 14"-SWN-1085 (White Arrow on the Bo	ottom Right)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
·		
BACKGROUND NO.: 8-80		
PHOTOGRAPH NO.: M280		
POTENTIAL INTERACTION NO.: L-8-222-1		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		

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BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
POTENTIAL INTERACTION NO.: L-8-222-4	
PHOTOGRAPH NO.: M284	•
BACKGROUND NO.: 8-80	-
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1085 (Not Shown)	
SOURCE: LIGHT FIXTURE (White arrow on the top center)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	<i>.</i>
X ACCEPTABLE	POTENTIALLYUNACCEPTABLE
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE WA Griswold VERIFI	9/9/82
INTERACTION ENGINEER/DATE VERIFI	ED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-223-4

PHOTOGRAPH NO.: M284

BACKGROUND NO.: 8-80/

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1086 (Not Shown)

SOURCE: LIGHT FIXTURE (White arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

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BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: L-8-224-3 PHOTOGRAPH NO.: M283 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2"-SWN-1084 (White arrow on the top left) SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top center) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5 Source has adequate mass to damage target. Further evaluation required. POTENTIALLY ACCEPTABLE ---UNACCEPTABLE W A Griswold 9/9/82 8/9/82 Jorge L. Rodriguez INTERACTION ENGINEER / DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-224-5

PHOTOGRAPH NO.: M285

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-1084 (Black arrow on the top right)

SOURCE: CONDUIT (White arrow on the top conduit connected to light is not

shown)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION: .

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

BUILDING:	INTAKE	STRUCTURE
		•

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-224-6

PHOTOGRAPH NO.: M285

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-1084 (Black arrow on the top right)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez
INTERACTION ENGINEER/DATE

W A Griswold

vold 9/9/82 VERIFIED/DATE

BUILDIN	G:	INTAKE	STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-225-3

PHOTOGRAPH NO.: M283

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-1085 (Black arrow on the top right)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

ACCEPTABLE X POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 W A Gr
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: L-8-225-4

PHOTOGRAPH NO.: M284

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-1085 (Black arrow on the top left)

SOURCE: LIGHT FIXTURE (White arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	PIT	•
POTENTIAL INTERACTION NO.: L-8-226-3		
PHOTOGRAPH NO.: M286		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-SWN-1086 (White arrow on the top	p right)	
SOURCE: 8"-SCREENWASH HEADER (Black arrow		
SOUNCE: 0 -SCREENWASH HEADEN (BIRCK AFFOW	on the top center)	
DESCRIPTION OF POSTULATED INTERACTION:		•
DESCRIPTION OF TODICERIED INTERMEDION.		
Source falls on target		•
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 5		
	om ovelvetien megui	mod
Source has adequate mass to damage target. Further,	er evaluation requi	red.
ACCEPTABLE	X	POTENTIALLY
		UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER / DATE		ED/DATE
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Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold	9/9/82 TED/DATE
XACCEPTABLE		POTENTIALLY UNACCEPTABLE
EVALUATION NOTE NO: 3	·	
EVALUATION OF INTERACTION:		·
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: LIGHT FIXTURE (White arrow on the	top center)	
TARGET: 2"-SWN-1086 (Black arrow on the top	p right)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-80		
PHOTOGRAPE NO.: M284		
POTENTIAL INTERACTION NO.: L-8-226-4		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE	E PIT	
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		

System	No.	8	
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BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: L-8-227-1
PHOTOGRAPH NO.: M286
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 3"-SWN-1081 (Not Shown)
SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top right)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
ACCEPTABLE X POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82
INTERACTION ENGINEER/DATE VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: L-8-229-1 PHOTOGRAPH NO.: M289 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1083 (Not Shown) SOURCE: ELEC. BOX (Black arrow on the top left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5 Source has adequate mass to damage target. Further evaluation required. POTENTIALLY ACCEPTABLE Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82

Ebasco Services Incorporated

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9 VERIFIED	/9/82 /DATE
	·	10.100
ACCEPTABLE	X	POTENTIALLYUNACCEPTABL
Source has adequate mass to damage target. Fu	rther evaluation requ	uired.
EVALUATION NOTE NO: 5		
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: 8"-SCREENWASH HEADER (Black arro	w on the top right)	
TARGET: 3"-SWN-1081 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-80		
PHOTOGRAPH NO.: M286		,
POTENTIAL INTERACTION NO.: L-8-228-1		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALV	E PIT	
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		

BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-230-1	-	
PHOTOGRAPH NO.: M286		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 3"-SWN-1084 (Not Shown)		
SOURCE: 8"-SCREENWASH HEADER (Black arrow of	on the top right)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		•
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 5		
Source has adequate mass to damage target. Furt	ther evaluation requi	red.
ACCEPTABLE	X	POTENTIALLY —UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82	2
INTERACTION ENGINEER / DATE	VERIFIED/D	ATE .

BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-231-1		
PHOTOGRAPH NO.: M286		
BACKGROUND NO.: 8-80		,
IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1085 (Not Shown)	-	
SOURCE: 8"-SCREENWASH HEADER (Black arrow	on the top right))
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target.		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 5		
Source has adequate mass to damage target. Fu	rther evaluation of	required.
ACCEPTABLE	X	POTENTIALLY ——UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER/DATE	VERIFI	ED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE		
FIRE ZONE: .		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	r	
POTENTIAL INTERACTION NO.: L-8-232-1		
PHOTOGRAPH NO.: M286	·	
BACKGROUND NO.: 8-80		·
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 3"-SWN-1086 (Not Shown)		
SOURCE: 8"-SCREENWASH HEADER (Black arrow on t	he top right)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 5		
Source has adequate mass to damage target. Further	er evaluation re	quired.
ACCEPTABLE	X .	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W	A Griswold	9/9/82

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BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: L-8-233-3 PHOTOGRAPH NO.: M290 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 8"-DRAIN HEADER (Black arrow on the center) SOURCE: CONDUIT & JUNCTION BOX (White arrow on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE		
FIRE ZONE: 22		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-234-4		
PHOTOGRAPH NO.: M294		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 14"-SWN-1081 (Black arrow on the	center left)	
SOURCE: DRAIN HEADER #1 (Black arrow on	the top center)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO; 2		
X ACCEPTABLE		POTENTIALLY UNACCEPTABL
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENGINEER / DATE	VERIF1	ED/DATE

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BUILDING: INTAKE STRUCTURE	
FIRE ZONE: 22	
LOCATION WITHIN FIRE ZCNE:	
POTENTIAL INTERACTION NO.: L-8-235-3	
PHOTOGRAPH NO.: M293	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1082 (Black arrow on the bottom center)	
ı	
SOURCE: CONDUIT (Black arrow on the top center)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE POTENTIALI	
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE	
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BUILDING: INTAKE STRUCTURE	•
FIRE ZONE: 22	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-235-5	
PHOTOGRAPH NO.: M295	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-1082 (Black arrow on the	e center left)
·	
SOURCE: DRAIN HEADER #2 (White arrow on the	ne top left)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	•
•	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
•	POTENTIALLY
X ACCEPTABLE	UNACCEPTABL
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Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W. A Griswold 9/9/82 VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE RINE: 22

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-236-1

PHOTOGRAPH NO.: M292

BACKGROUND NO.: 8-80

· IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1083 (White arrow on the bottom right)

SOURCE: CONDUIT (Black arrow 2nd from the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION: '

EVALUATION NOTE NO: 2

POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez INTERACTION ENGINEER/DATE

9/9/82 W A Griswold VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 W A Griswold INTERACTION ENGINEER/DATE VERIF	9/9/82 IED/DATE
X ACCEPTABLE	POTENTIALLYUNACCEPTABLI
EVALUATION NOTE NO: 2	
EVALUATION OF INTERACTION:	
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	·
SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top center)
TARGET: 14"-SWN-1083 (White arrow on the bottom right)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-80	•
PHOTOGRAPH NO.: M292	
POTENTIAL INTERACTION NO.: L-8-236-2	
LOCATION WITHIN FIRE ZONE:	
FIRE ZONE: 22	
BUILDING: INTAKE STRUCTURE	

Jorge L. Rodriguez 8/9/82
**NTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

ACCEPTABLE	POTENTIALLY ——UNACCEPTABLE
EVALUATION NOTE NO: 2	
EVALUATION OF INTERACTION:	•
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: DRAIN HEADER #3 (White arrow on the top center)	
TARGET: 14"-SWN-1083 (Not Shown)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-80	
PHOTOGRAPH NO.: M296	
POTENTIAL INTERACTION NO.: L-8-236-6	
LOCATION WITHIN FIRE ZCNE:	
FIRE ZONE: 22	
BUILDING: INTAKE STRUCTURE	

W A Griswold 9/9/82

*NTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: 22 LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-237-1 PHOTOGRAPH NO.: M292 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-1084 (White arrow on the bottom left) SOURCE: CONDUIT (Black arrow 2nd from the top center) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold

BUILDING: INTAKE STRUCTURE

FIRE ZONE: 22

LOCATION WITHIN FIRE ZCNE:

POTENTIAL INTERACTION NO.: L-8-237-2

PHOTOGRAPH NO.: M292

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1084 (White arrow on the bottom left)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
---UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold

9/9/82

INTERACTION ENGINEER / DATE

VERIFIED/DATE

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Jorge L. Rodriguez 8/9/82 W A Grisw JNTERACTION ENGINEER/DATE	vold 9/9/82 VERIFIED/DATE
ACCEPTABLE	POTENTIALLYUNACCEPTABLE
EVALUATION NOTE NO: 2	
EVALUATION OF INTERACTION:	
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: DRAIN HEADER #4 (White arrow on the top center	·)_
TARGET: 14"-SWN-1084 (White arrow on the bottom right)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
INTERIOR OF THERMATION COMPONENTS.	
BACKGROUND NO.: 8-80	
PHOTOGRAPH NO.: M297	
POTENTIAL INTERACTION NO.: L-8-237-7	
LOCATION WITHIN FIRE ZONE:	
FIRE ZONE: 22	
BUILDING: INTAKE STRUCTURE	

BUILDING: INTAKE STRUCTURE FIRE ZONE: 22 LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-238-1 PHOTOGRAPH NO.: M291 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-1085 (White arrow on the bottom center) SOURCE: CONDUIT (Black arrows on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY -UNACCEPTABLE W_A Griswold Jorge I. Rodriguez 8/9/ INTERACTION ENGINEER/DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE: 22

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-238-8

PHOTOGRAPH NO.: M298

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1085 (White arrow on the bottom center)

SOURCE: DRAIN HEADER #5 (Black arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 NTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE: 22

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-239-1

PHOTOGRAPH NO.: M291

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1086 (White arrow on the bottom left)

SOURCE: CONDUIT (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
**NTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE: 22

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-239-9

PHOTOGRAPH NO.: M299

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1086 (Black arrow on the center right)

SOURCE: DRAIN HEADER #6 (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

- X ACCEPTABLE

POTENTIALLY

--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 NTERACTION ENGINEER/DATE W A Griswold 9/9/82
VERIFIED/DATE

BUILDING: CONTROL BUILDING FIRE ZONE: 35A LOCATION WITHIN FIRE ZONE: A.C. EQUIPMENT ROOM POTENTIAL INTERACTION NO.: L-8-240-1 PHOTOGRAPH NO.: M400 BACKGROUND NO.: 8-66 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1223 (Black arrow on the right center) SOURCE: 1"-CONDENSATE RETURN (White arrow on the top center) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE W A Griswold

System	No.	8	
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BUILDING: CONTROL BUILDING

FIRE ZONE: 35A

LOCATION WITHIN FIRE ZCNE: A.C. EQUIPMENT ROOM

POTENTIAL INTERACTION NO.: L-8-240-2

PHOTOGRAPH NO.: M400

BACKGROUND NO.: 8-66

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1223 (Black arrow on the right center)

SOURCE: 2"-AUXILIARY STEAM LINES (Two white arrows on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
—UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

VERIFIED/DATE

BUILDING: CONTROL BUILDING

FIRE ZONE: 35A

LOCATION WITHIN FIRE ZONE: A.C. EQUIPMENT ROOM

POTENTIAL INTERACTION NO.: L-8-241-1

PHOTOGRAPH NO.: M400

BACKGROUND NO.: 8-66

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1224 (Black arrow on the top center)

SOURCE: 1"-CONDENSATE RETURN (White arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

____X ACCEPTABLE

POTENTIALLY
-----UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9./9/82

VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: CONTROL BUILDING		
FIRE ZONE: 35A		
LOCATION WITHIN FIRE ZCNE: A.C. EQUIPMENT ROOM		
POTENTIAL INTERACTION NO.: L-8-241-2		
PHOTOGRAPH NO.: M400		
BACKGROUND NO.: 8-66		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 3"-SWN-1224 (Black arrow on the	top center)	
SOURCE: 2"-AUXILIARY STEAM LINES (White	arrow on the top left)	
DESCRIPTION OF POSTULATED INTERACTION:	-	
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
•		
XACCEPTABLE		POTENTIALLY —UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82

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W A Griswold

System	No.	8

•		
BUILDING: CONTROL BUILDING		
FIRE ZONE:	•	
LOCATION WITHIN FIRE ZCNE: A. C. EQUIPMENT ROOM	•	
POTENTIAL INTERACTION NO.: L-8-242-		
PHOTOGRAPH NO.: M265		
BACKGROUND NO.: 8-66		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 3"-SWN-1231 (Black arrow on the center	right)	
SOURCE: LIGHT FIXTURE (White arrow on the top	center)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
XACCEPTABLE	,	POTENTIALLY —UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A INTERACTION ENGINEER/DATE	A Griswold VERIFIED/DA	9/9/82 TE

BUILDING: CONTROL BUILDING FIRE ZONE: LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE ROOM POTENTIAL INTERACTION NO.: L-8-243-1 PHOTOGRAPH NO.: M263 BACKGROUND NO.: 8-66 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1223 (White arrow on the top center) SOURCE: LIGHT FIXTURE (Black arrow on the center) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold INTERACTION ENGINEER / DATE

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BUILDING: CONTROL BUILDING

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-243-2

PHOTOGRAPH NO.: M263

BACKGROUND NO.: 8-66

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1223 (White arrow on the top center)

SOURCE: CONDUIT (Black arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold

9/9/82

VERIFIED/DATE

INTERACTION ENGINEER/DATE VERIFIED)/DATE
Jorge L. Rodriguez 8/9/82 W A Griswold	9/9/82
X ACCEPTABLE	POTENTIALLY UNACCEPTABLE
271120111101 110, 2	
EVALUATION NOTE NO: 2	·
EVALUATION OF INTERACTION:	
Source falls on target,	
DESCRIPTION OF POSTULATED INTERACTION: -	
SOURCE: CONDUIT (Black arrow on the top center)	
TARGET: 3"-SWN-1223 (Black arrow on the bottom right)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-66	
PHOTOGRAPH NO.: M264	
POTENTIAL INTERACTION NO.: L-8-243-3	
LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE ROOM	
FIRE ZONE:	
BUILDING: CONTROL BUILDING	1

INTERACTION ENGINEER / DATE	VERIFIE	D/DATE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
		UNACCEPTABLE
X ACCEPTABLE		POTENTIALLY
EVALUATION NOTE NO: 3		
EVALUATION NOTE NO: 3		·
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: LIGHT FIXTURE (Black arrow on the	e center)	
TITION OF THE L	JOCCOM LABILLY	
TARGET: 3"-SWN-1224 (White arrow on the b	ontrom right)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-66		
PHOTOGRAPH NO.: M263	•	
POTENTIAL INTERACTION NO.: L-8-244-1		
LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE	E ROOM	
FIRE ZONE:		
BUILDING: CONTROL BUILDING		
•		

BUILDING: CONTROL BUILDING

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-244-2

PHOTOGRAPH NO.: M263

BACKGROUND NO.: 8-66

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1224 (White arrow on the bottom right)

SOURCE: CONDUIT (Black arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY
UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: CONTROL BUILDING

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: HALL OUTSIDE VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-244-3

PHOTOGRAPH NO.: M264

BACKGROUND NO.: 8-66

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1224 (Black arrow on the bottom left)

SOURCE: CONDUIT (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

POTENTIALLY ACCEPTABLE -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

W A Griswold

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-245-2

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-1096 (White arrow on the bottom left)

SOURCE: SPACE HEATER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

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9/9/82

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 36A LOCATION WITHIN FIRE ZONE: VALVE ROOM POTENTIAL INTERACTION NO.: L-8-245-3 PHOTOGRAPH NO.: M266 BACKGROUND NO.: 8-82 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 10" SWN-1096 (White arrow on the bottom left) SOURCE: SPEAKER (Black arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE

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Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING	
FIRE ZONE: 36A	
LOCATION WITHIN FIRE ZCNE: VALVE ROOM	
POTENTIAL INTERACTION NO.: L-8-246-2	
PHOTOGRAPH NO.: M267	
BACKGROUND NO.: 8-82	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 10"-SWN-1093 (White arrow on bottom left)	
SOURCE: SPACE HEATER (Black arrow on the top left)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
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Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-246-3

PHOTOGRAPH NO.: M267

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-1093 (White arrow on the bottom left)

SOURCE: SPEAKER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY
UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

INTERACTION ENGINEER / DATE	VERIFIEI	D/DATE
Jorge L. Rodriguez 8/9/82	W A Griswold	9/9/82
XACCEPTABLE		POTENTIALLY UNACCEPTABLE
EVALUATION NOTE NO: 3		
EVALUATION OF INTERACTION:		·
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: BOTTLES (Black arrow on the cent	er right)	
TARGET: 10"-SWN-1093 (White arrow on the	bottom left)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-82		
PHOTOGRAPH NO.: M267		
POTENTIAL INTERACTION NO.: L-8-246-4		
LOCATION WITHIN FIRE ZCNE: VALVE ROOM		
FIRE ZONE: 36A		
BUILDING: DIESEL GENERATOR BUILDING	•	

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-247-2

PHOTOGRAPH NO.: M267

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-1099 (White arrow on the bottom right)

SOURCE: SPACE HEATER (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY UNACCEPTABLE

<u>lorge L. Rodriguez 8/9/82</u> INTERACTION ENGINEER/DATE W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZCNE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-247-3

PHOTOGRAPH NO.: M267

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-1099 (White arrow on the bottom right)

SOURCE: SPEAKER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/32 INTERACTION ENGINEER/DATE W. A. Griswold

9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-247-4

PHOTOGRAPH NO.: M267

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-1099 (White arrow on the bottom right)

SOURCE: BOTTLES (Black arrow on the center right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-248-1

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1223 (White arrow on the bottom left)

SOURCE: CONDUIT (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
---UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZCNE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-248-2

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1223 (White arrow on the bottom left)

SOURCE: SPACE HEATER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

POTENTIALLY ACCEPTABLE -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W. A. Griswold

9/9/82

VERIFIED/DATE

System	No.	8	
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 36A LOCATION WITHIN FIRE ZONE: VALVE ROOM POTENTIAL INTERACTION NO.: L-8-248-3 PHOTOGRAPH NO.: M266 BACKGROUND NO.: 8-82 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1223 (White arrow on the bottom left) SOURCE: SPEAKER (Black arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

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DVALUATION SHEET	
,	
BUILDING: DIESEL GENERATOR BUILDING	,
FIRE ZONE: 36A	
LOCATION WITHIN FIRE ZONE: VALVE ROOM	•
POTENTIAL INTERACTION NO.: L-8-249-1	
PHOTOGRAPH NO.: M266	
BACKGROUND NO.: 8-82	,
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 3"-SWN-1224 (Black arrow on the center right)	
SOURCE: CONDUIT (Black arrow on the top left)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
•	POTENTIALLY
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ACCEPTABLE

UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

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VERIFIED/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-249-2

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1224 (Black arrow on the center right)

SOURCE: SPACE HEATER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass to damage target. Further evaluation required.

Jorge L. Rodriguez 8/9/82

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INTERACTION ENGINEER / DATE

BUILDING: DIESEL

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-249-3

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-1224 (Black arrow on the center right)

SOURCE: SPEAKER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY
UNACCEPTABLE

W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-250-1

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-1096 (White arrow on the bottom center)

SOURCE: CONDUIT (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY
UNACCEPTABLE

W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-250-2

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-1096 (White arrow on the bottom center)

SOURCE: SPACE HEATER (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W. A. Griswold

-9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-250-3

PHOTOGRAPH NO.: M266

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-1096 (White arrow on the bottom center)

SOURCE: SPEAKER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
—UNACCEPTABLE

<u>Jorge L. Rodriguez 8/9/82</u> INTERACTION ENGINEER/DATE W. A. Griswold

9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 36A

LOCATION WITHIN FIRE ZONE: VALVE ROOM

POTENTIAL INTERACTION NO.: L-8-250-4

PHOTOGRAPH NO.: M267

BACKGROUND NO.: 8-82

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-1096 (White arrow on the bottom left)

SOURCE: BOTTLES (Black arrow on the center right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY X ACCEPTABLE -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

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W. A. Griswold 9/9/82

Jorge L Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING	•
FIRE ZONE: 102A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-254-1	
PHOTOGRAPH NO.: M269	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-1101 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
,	
X ACCEPTABLE	POTENTIALLYUNACCEPTABLE

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W A Griswold

9/9/82

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 102A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-255-1 PHOTOGRAPH NO.: M269 BACKGROUND NO.: 8-76 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 4"-SWN-1101 (NOT SHOWN) SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER) DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET. EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 102A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-256-1 PHOTOGRAPH NO.: M269 BACKGROUND NO.: 8-76 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 6"-SWN-1095 (NOT SHOWN) SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER) DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET. EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82

Ebasco Services Incorporated

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 102A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-257-1

PHOTOGRAPH NO.: M269

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET:

4"-SWN-1095 (NOT SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET .

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 102A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-258-1

PHOTOGRAPH NO.: M269

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET:

4"-SWN-1098 (NOT SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER / DATE W A Griswold 9/9/82 VERIFIED/DATE

Jorge L Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 102A LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-259-1 PHOTOGRAPH NO.: M269 BACKGROUND NO.: 8-76 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 6"-SWN-1098 (NOT SHOWN) SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET . EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE

W A Griswold

9/9/82

BUILDING: DIESEL GENERATOR BUILDING		
FIRE ZONE: 101A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-263-1		
PHOTOGRAPH NO.: M270		
BACKGROUND NO.: 8-76		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 6"-SWN-1100 (NOT SHOWN)		
SOURCE: LIGHT FIXTURE (WHITE ARROW ON	THE TOP CENTER)	
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE FALLS ON TARGET.		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
XACCEPTABLE		POTENTIALLY UNACCEPTABLI
Jorge L Rodriguez 8/9/82	W A Griswold	9/9/82
INTERACTION ENCINEED /DATE	TOTT	ETED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 101A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-264-1

PHOTOGRAPH NO.: M270

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 4"-SWN-1100 (NOT SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING	,
FIRE ZONE: 101A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-265-1	
PHOTOGRAPH NO.: M270	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-1094 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON T	THE TOP CENTER)
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET.	
THAT WART ON OR TAXBED A COT ON	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	•
XACCEPTABLE	POTENTIALLY
Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING	
FIRE ZONE: 101A	
LOCATION WITHIN FIRE ZCNE:	
POTENTIAL INTERACTION NO.: L-8-266-1	,
PHOTOGRAPH NO.: M270	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 4"-SWN-1097 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON TH	IE TOP CENTER)
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET	
EVALUATION OF INTERACTION:	• •
EVALUATION NOTE NO: 3	
X ACCEPTABLE	POTENTIALLY
	UNACCEF TABLE
Jorge L Rodriguez 8/9/82 W INTERACTION ENGINEER/DATE	A Griswold 9/9/82 VERIFIED/DATE
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INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING FIRE ZONE: 101A LOCATION WITHIN FIRE ZCNE: POTENTIAL INTERACTION NO.: L-8-267-1 PHOTOGRAPH NO.: M270 BACKGROUND NO.: 8-76 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 6"-SWN-1097 (NOT SHOWN) SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER) DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET. EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY X ACCEPTABLE -UNACCEPTABLE Jorge L Rodriguez 8/9/82 W A Griswold 9/9/82

Ebasco Services Incorporated

BUILDING: DIESEL GENERATOR BUILDING	
FIRE ZONE: 101A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-268-1	•
PHOTOGRAPH NO.: M270	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 4"-SWN-1094 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON T	HE TOP CENTER)
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	•
X ACCEPTABLE	POTENTIALLY UNACCEPTABLE
Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING	
FIRE ZONE: 10	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-269-1	
PHOTOGRAPH NO.: M271	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-1093 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON	THE TOP CENTER)
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET.	
SOURCE FALLS ON TARGET.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
XACCEPTABLE	POTENTIALLY
	UNACCEP I ADI
Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W A Griswold 9/9/82 • VERIFIED/DATE
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Jorge L Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: DIESEL GENERATOR BUILDING
FIRE ZONE: 10
LOCATION WITHIN FIRE ZONE:
POTENTIAL INTERACTION NO.: L-8-271-1
PHOTOGRAPH NO.: M271
BACKGROUND NO.: 8-76
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 4"-SWN-1093 (NOT SHOWN)
SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)
DESCRIPTION OF POSTULATED INTERACTION:
SOURCE FALLS ON TARGET.
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3
X ACCEPTABLE - POTENTIALLY - UNACCEPTABLE

Ebasco Services Incorporated

W A Griswold

9/9/82

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 10

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-272-1

PHOTOGRAPH NO.: M271

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 4"-SWN-1099 (NOW SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 10

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-273-1

PHOTOGRAPH NO.: M271

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 4"-SWN-1096 (NOT SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING

FIRE ZONE: 10

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-274-1

PHOTOGRAPH NO.: M271

BACKGROUND NO.: 8-76

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-1096 (NOT SHOWN)

SOURCE: LIGHT FIXTURE (WHITE ARROW ON THE TOP CENTER)

DESCRIPTION OF POSTULATED INTERACTION:

SOURCE FALLS ON TARGET.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: DIESEL GENERATOR BUILDING	
FIRE ZONE: 10	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-275-1	
PHOTOGRAPH NO.: M271	
BACKGROUND NO.: 8-76	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 6"-SWN-1099 (NOT SHOWN)	
SOURCE: LIGHT FIXTURE (WHITE ARROW ON	THE TOP CENTER)
DESCRIPTION OF DOSTER AMED THERPASTON.	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE FALLS ON TARGET.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
•	POTENTIALLY
ACCEPTABLE	UNACCEPTABL
Jorge L Rodriguez 8/9/82	W A Griswold 9/9/82
INTERACTION ENGINEER / DATE	VERIFIED/DATE

INTERACTION ENGINEER / DATE	VERIFIED/	DATE .
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
ACCEPTABLE		POTENTIALLY UNACCEPTABLE
EVALUATION NOTE NO: 3		
EVALUATION OF INTERACTION:		
DULLINGTON OF THERM OF THE		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: STATION AIR HEADER (Not Shown)		
TARGET: 3"-SWN-1196 (White arrow on the	top left corner)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M260		
POTENTIAL INTERACTION NO.: L-8-276-2		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 14		
BUILDING: CONTROL BUILDING		
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ĪN	Jorge L. Rodriguez 8/9/82 W. A. Griswold 9/9/82 WIERACTION ENGINEER/DATE VERIFIED/DATE	
	X ACCEPTABLE POTENTIA UNACCEPTA	
E7	VALUATION OF INTERACTION: EVALUATION NOTE NO: 2	
	Source falls on target	
DI	SOURCE: CONDUIT (Black arrow on the top left) ESCRIPTION OF POSTULATED INTERACTION:	
I:	DENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2½"-SWN-1196 (White arrow on the bottom left)	
•		
В.	ACKGROUND NO.: 8-67	
P:	HOTOGRAPH NO.: M260	
	OTENTIAL INTERACTION NO.: L-8-277-1	
	OCATION WITHIN FIRE ZONE:	
	IRE ZONE: 14	
T.	UILDING: CONTROL BUILDING	

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

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BUILDING: CONTROL BUILDING	v	
FIRE ZONE: 14		
LOCATION WITHIN FIRE ZONE:		•
POTENTIAL INTERACTION NO.: L-8-277-2		
PHOTOGRAPH NO.: M260		
BACKGROUND NO.: 8-67		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2½"-SWN-1196 (White arrow on th	e bottom left)	
SOURCE: STATION AIR HEADER (Not Shown)	•	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
XACCEPTABLE		POTENTIALLY UNACCEPTABLI
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82

INTERACTION ENGINEER/DATE	VERIFIE	
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
XACCEPTABLE		POTENTIALLYUNACCEPTABLE
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EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: STATION AIR HEADER (Black arrow	on the top left)	
TARGET: 3"-SWN-1197 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M262		
POTENTIAL INTERACTION NO.: L-8-278-2		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 14		
BUILDING: CONTROL BUILDING	v	,

Ebasco Services Incorporated

INTERACTION ENGINEER / DATE	VERIFIED	/DATE
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
,		UNACCEP I ABL
X ACCEPTABLE		POTENTIALLYUNACCEPTABLI
EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
← .	•	
SOURCE: CONDUIT (Black arrow on the to	p left)	
TARGET: $2\frac{1}{2}$ "-SWN-1197 (Black arrow on	the bottom center)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M260		
POTENTIAL INTERACTION NO.: L-8-279-1		
LOCATION WITHIN FIRE ZCNE:		
FIRE ZONE: 14		
	•	
BUILDING: CONTROL BUILDING		•

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: CONTROL BUILDING	,
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FIRE ZONE: 14	
LOCATION WITHIN FIRE ZONE:	•
POTENTIAL INTERACTION NO.: L-8-279-2	
PHOTOGRAPH NO.: M262	
BACKGROUND NO.: 8-67	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 2½"-SWN-1197 (Not Shown)	
SOURCE: STATION AIR HEADER (Black arrow on the top left)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 2	
X ACCEPTABLE	POTENTIALLY
ACCEPTABLE	UNACCEPTABLE

W. A. Griswold

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: CONTROL BUILDING FIRE ZONE: 14 LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-280-1 PHOTOGRAPH NO.: M259 BACKGROUND NO.: 8-67 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3"-SWN-1200 (Black arrow on the top left corner) SOURCE: CONDUIT (Black arrow on the top center) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLŸ ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W. A. Griswold

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W. A. Gris	swold 9/9/8 VERIFIED/DATE	
XACCEPTABLE			NTIALLY CEPTABLE
EVALUATION NOTE NO: 2			
EVALUATION OF INTERACTION:			
Source falls on target			
DESCRIPTION OF POSTULATED INTERACTION	:		
SOURCE: STATION AIR HEADER			
TARGET: 3"-SWN-1200 (Not Shows	n)		
IDENTIFICATION OF INTERACTION COMPONE	ENTS:		
	•		
BACKGROUND NO.: 8-67			
PHOTOGRAPH NO.: M262			
POTENTIAL INTERACTION NO.: L-8-280-2			
LOCATION WITHIN FIRE ZONE:		·	
FIRE ZONE: 14			
BUILDING: CONTROL BUILDING			

INTERACTION ENGINEER / DATE	VERIFIED	
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
XACCEPTABLE		POTENTIALLY UNACCEPTABL
EVALUATION NOTE NO: 2		
G [*]		
EVALUATION OF INTERACTION:	·	
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: CONDUIT (Black arrow on the to	op left)	
TARGET: 2½"-SWN-1200 (Black arrow on	the bottom left)	
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M260	•	·
POTENTIAL INTERACTION NO.: L-8-281-1	•	
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 14		
BUILDING: CONTROL BUILDING		

	INTERACTION ENGINEER/DATE VERIFIED/DATE
	Jorge L. Rodriguez 8/9/82 W. A. Griswold 9/9/82
	X ACCEPTABLE —— UNACCEPTABLE —— UNACCEPTABLE
	DOMENTALIN
	\cdot
	EVALUATION NOTE NO: 2
	EVALUATION OF INTERACTION:
	Source falls on target
	DESCRIPTION OF POSTULATED INTERACTION:
	SOURCE: STATION AIR HEADER (Black arrow on the top left)
ı	
	TARGET: 2½"-SWN-1200 (Not Shown)
	IDENTIFICATION OF INTERACTION COMPONENTS:
	BACKGROUND NO.: 8-67
	PHOTOGRAPH NO.: M262
	POTENTIAL INTERACTION NO.: L-8-281-2
	LOCATION WITHIN FIRE ZCNE:
	FIRE ZONE: 14
	BUILDING: CONTROL BUILDING
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INTERACTION ENGINEER/DATE VERIFIED	
Jorge L. Rodriguez 8/9/82 W. A. Griswold	9/9/82
ACCEPTABLE	POTENTIALLYUNACCEPTABLI
EVALUATION NOTE NO; -	
EVALUATION NOTE NO: 2	
EVALUATION OF INTERACTION:	
Source falls on target	
DESCRIPTION OF POSTULATED INTERACTION:	
SOURCE: CONDUIT (Black arrow on the top center)	
TARGET: 3"-SWN-1201 (White arrow on the top center)	
IDENTIFICATION OF INTERACTION COMPONENTS:	
BACKGROUND NO.: 8-67	
PHOTOGRAPH NO.: M259	
POTENTIAL INTERACTION NO.: L-8-282-1	
LOCATION WITHIN FIRE ZONE:	
FIRE ZONE: 14	
BUILDING: CONTROL BUILDING	

ATION OF INTERACTION: EVALUATION NOTE NO: 2 X ACCEPTABLE	POTENTIALLY ——UNACCEPTABLE
ATION OF INTERACTION: EVALUATION NOTE NO: 2	POTENTIALLY
ATION OF INTERACTION:	
ATION OF INTERACTION:	
Source falls on target	
IPTION OF POSTULATED INTERACTION:	
SOURCE: STATION AIR HEADER (Black arrow on the top left)	
TARGET: 3"-SWN-1201 (Not Shown)	
IFICATION OF INTERACTION COMPONENTS:	
ROUND NO.: 8-67	
OGRAPH NO.: M262	
TIAL INTERACTION NO.: L-8-282-2	,
TION WITHIN FIRE ZONE:	
ZONE:14	
DING: CONTROL BUILDING	
	ZONE:14 LON WITHIN FIRE ZONE: FIAL INTERACTION NO.: L-8-282-2 GRAPH NO.: M262 ROUND NO.: 8-67 IFICATION OF INTERACTION COMPONENTS: FARGET: 3"-SWN-1201 (Not Shown) SOURCE: STATION AIR HEADER (Black arrow on the top left)

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE	W. A. Griswold VERIFIED	9/9/82 D/DATE
Torgo I Podrigues 0/0/00		0.40.45
ACCEPTABLE		POTENTIALLY UNACCEPTABLE
•		
EVALUATION NOTE NO:		
EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:		
DESCRIPTION OF POSTULATED INTERACTION: Source falls on target		
SOURCE: STATION AIR HEADER (Black arrow	on the top left)	
•	•	
TARGET: 2½"-SWN-1201 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
·	·	
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M262	·	
POTENTIAL INTERACTION NO.: L-8-283-2	•	
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 14		
BUILDING: CONTROL BUILDING		
	\	

Ebasco Services Incorporated

BUILDING: CONTROL BUILDING

FIRE ZONE: 14

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-284-1

PHOTOGRAPH NO.: M259

BACKGROUND NO.: 8-67

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2½"-SWN-1202 (Black arrow on the center right)

SOURCE: CONDUIT (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: CONTROL BUILDING

FIRE ZONE: 14

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-284-2

PHOTOGRAPH NO.: M262

BACKGROUND NO.: 8-67

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2½"-SWN-1202 (Not Shown)

SOURCE: STATION AIR HEADER (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold 9/9/82

VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: CONTROL BUILDING FIRE ZONE: 14 LOCATION WITHIN FIRE ZONE: POTENTIAL INTERACTION NO.: L-8-285-1 PHOTOGRAPH NO.: M260 BACKGROUND NO.: 8-67 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2½"-SWN-1198 (Black arrow on the center left) SOURCE: CONDUIT (Black arrow on the top left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE /

Ebasco Services Incorporated

W. A. Griswold

INTERACTION ENGINEER/DATE	VERIFIE	D/DATE
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
ACCEPTABLE		POTENTIALLYUNACCEPTABLE
•	·	
EVALUATION NOTE NO: 2		
EVALUATION OF INTERACTION:		
·		
DESCRIPTION OF POSTULATED INTERACTION: Source falls on target		•
DECEMBER OF DOCATE LEED INTERLOGION.		
SOURCE: STATION AIR HEADER (Black arrow	on the top left)	
TARGET: 2½"-SWN-1198 (Not Shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-67		
PHOTOGRAPH NO.: M262		
POTENTIAL INTERACTION NO.: L-8-285-2	-	
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 14		
EUILDING: CONTROL BUILDING		

EUILDING: CONTROL BUILDING

FIRE ZONE: 14

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-286-1

PHOTOGRAPH NO.: M260

BACKGROUND NO.: 8-67

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2½"-SWN-1199 (White arrow on the center left)

SOURCE: CONDUIT (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold

9/9/82

BUILDING: CONTROL BUILDING

FIRE ZONE: 14

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-286-2

PHOTOGRAPH NO.: M262

BACKGROUND NO.: 8-67

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2½"-SWN-1199 (Not Shown)

SOURCE: STATION AIR HEADER (Black arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold

9/9/82

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 63A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-287-1

PHOTOGRAPH NO.: M425

BACKGROUND NO.: 8-43

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-WD-263 (Black arrow on the center 2nd form the bottom)

SOURCE: 2"-261 (Black arrow on the center 4th from the bottom)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

W. A. Griswold 9/9/82 VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 63A LOCATION WITHIN FIRE ZCNE: POTENTIAL INTERACTION NO.: L-8-287-2 PHOTOGRAPH NO.: M426 BACKGROUND NO.: 8-43 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 2"-WD-263 (Black arrow on the left 1st from the bottom) SOURCE: 1"-261 (Black arrow on the bottom 2nd from the bottom) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: _ \ EVALUATION NOTE NO: 2 POTENTIALLY ACCEPTABLE -UNACCEPTABLE

Ebasco Services Incorporated

W. A. Griswold 9/9/82

VERIFIED/DATE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE BUILDING: PRIMARY AUXILIARY BUILDING

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

FIRE ZONE: 63A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-287-3

PHOTOGRAPH NO.: M426

BACKGROUND NO.: 8-43

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-WD-263 (Black arrow on the left 1st from the bottom)

SOURCE: 1"-191 (Black arrow on the left 3rd from the bottom)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

X ACCEPTABLE

EVALUATION NOTE NO: 2

POTENTIALLY
----UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING:

Eventem No. 8

PRIMARY AUXILIARY BUILDING

FIRE ZONE:

63A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: L-8-287-4

PHOTOGRAPH NO.: M425

BACKGROUND NO.: 8-43

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-WD-263 (Black arrow on the center 2nd from the bottom)

SOURCE: 2"-WASTE DISPOSAL LINE (Black arrow on the top center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W. A. Griswold 9/9/82

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING		
FIRE ZONE: 63A		
LOCATION WITHIN FIRE ZONE:		
POTENTIAL INTERACTION NO.: L-8-287-5		
PHOTOGRAPH NO.: M425	•	
BACKGROUND NO.: 8-43		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 2"-WD-263 (Black arrow on the c	enter 2nd from the	bottom)
SOURCE: 1"-262 (Black arrow on the top	left)	
DESCRIPTION OF POSTULATED INTERACTION:		
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 2		
•		
X ACCEPTABLE		POTENTIALLY
· · · · · ·		UNACCEPTABLI
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
INTERACTION ENGINEER / DATE	VERIFIE	D/DATE

INTERACTION ENGINEER / DATE	VERIFIED	/DATE
Jorge L. Rodriguez 8/9/82	W. A. Griswold	9/9/82
ACCELIABLE		UNACCEPTABLE
X ACCEPTABLE		POTENTIALLY
EVALUATION NOTE NO: 3	· · · · · · · · · · · · · · · · · · ·	
EVALUATION OF INTERACTION:		•
Source falls on target		•
•		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: 1"-VLV-1780 (Black arrow 2nd	from the top left)	
		,
TARGET: 2"-WD-263 (Black arrow on the	center 2nd from the bo	ttom)
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-43		
PHOTOGRAPH NO.: M425		·
POTENTIAL INTERACTION NO.: L-8-287-6		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 63A		
BUILDING: PRIMARY AUXILIARY BUILDING		

Ebasco Services Incorporated

BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 63A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: L-8-287-7	
PHOTOGRAPH NO.: M425	
BACKGROUND NO.: 8-43	
IDENTIFICATION OF INTERACTION COMPONENTS:	- ·
TARGET: 2"-WD-263 (Black arrow on the cent	er 2nd from the bottom)
SOURCE: 1"-VLV-1779 (Black arrow 2nd from	the top left)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	•
EVALUATION NOTE NO: 3	
•	
ACCEPTABLE	POTENTIALLY
·	
	W. A. Griswold 9/9/82
INTERACTION ENGINEER / DATE	VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-11-1

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-53 (not shown)

SOURCE: 2"-45 (White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PIPE TRENCH
FIRE ZONE: 79A
LOCATION WITHIN FIRE ZCNE: Blowdown Tank
POTENTIAL INTERACTION NO.: V-8-11-2
PHOTOGRAPH NO.: M256
BACKGROUND NO.: 8-14
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 6"-SWN-53 (Not shown)
SOURCE: 2"-46 (White Arrow on the top left)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target.
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 2
EVALUATION NOTE, NOT 4

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE W A Griswold 9/9/82 · VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-11-3

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-53

(Not shown)

SOURCE: 2"-47

(White Arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZCNE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-11-4

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-53

(Not Shown)

SOURCE: 2"-48

(White Arrow 2nd from the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO:

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

----<u>--</u>----

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 . VERIFIED/DATE

System	No.	8	
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BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZCNE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-11-5

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-53

(Not shown)

SOURCE: 2"-35

(White Arrow on the bottom left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Grisw old 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: y-8-11-6

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 6"-SWN-53

(Not Shown)

SOURCE: 1"-691

(White Arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PIPE TRENCH
FIRE ZONE: 79A
LOCATION WITHIN FIRE ZCNE: Blowdown Tank
POTENTIAL INTERACTION NO.: V-8-11-7
PHOTOGRAPH NO.: M256
BACKGROUND NO.: 8-14
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 6"-SWN-53 (Not Shown)
SOURCE: BLOWDOWN TANK NO. 31 (White Arrow on the top right)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target.
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Seismic Category III tank will damage 6"-SWN-53. Further evaluation required.
ACCEPTABLE X POTENTIALLY UNACCEPTABLE

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W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-1

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54 (Black Arrow on the bottom right)

SOURCE: 2"-45

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-2

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54

(Black Arrow on the bottom right)

SOURCE: 2"-46

(White Arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

System No.	8
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BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-3

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54 (Black Arrow on the bottom right)

SOURCE: 2"-47 (White Arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 2

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZCNE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-4

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54 (Black Arrow on the bottom right)

SOURCE: 2"-48

(White Arrow 2nd from the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZCNE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-5

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54 (Black Arrow on the bottom right)

SOURCE: 2"-35

(White Arrow on the bottom left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH

FIRE ZONE: 79A

LOCATION WITHIN FIRE ZONE: Blowdown Tank

POTENTIAL INTERACTION NO.: V-8-12-6

PHOTOGRAPH NO.: M256

BACKGROUND NO.: 8-14

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3"-SWN-54 (Black Arrow on the bottom right)

SOURCE: 1"-691

(White Arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PIPE TRENCH				•
FIRE ZONE: 79A				
LOCATION WITHIN FIRE ZONE: Blowdown	Tank			
POTENTIAL INTERACTION NO.: V-8-12-7				
PHOTOGRAPH NO.: M256				·
BACKGROUND NO.: 8-14				
IDENTIFICATION OF INTERACTION COMPONE	ENTS:			
TARGET: 3"-SWN-54	(Black Arro	w on t	he bottom r	ight)
SOURCE: BLOWDOWN TANK NO. 31	(White Arro	w on t	he top righ	t)
DESCRIPTION OF POSTULATED INTERACTION	N:			
Source falls on target				
EVALUATION OF INTERACTION:				
EVALUATION NOTE NO: 5				
Seismic Category III Tank will Darequired.	amage 3"-SWN-	-54.	Further eva	luation
ACCEPTABLE		. X		POTENTIALLY UNACCEPTABLE
Tanan T. D. L. C. C. C. C.		W A	Griswold 9	/9/82
Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE			VERIFIE	

Ebasco Services Incorporated

System	No	8	
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BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 1

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-17-1

PHOTOGRAPH NO.: M257

BACKGROUND NO.: 8-33

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN PCV-1271

(Black Arrow on the Middle)

SOURCE: 2"-560

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 6

___ACCEPTABLE

X

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING FIRE ZONE: 17A LOCATION WITHIN FIRE ZCNE: POTENTIAL INTERACTION NO.: V-8-18-1 PHOTOGRAPH NO.: M252 BACKGROUND NO.: 8-39 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 3/4"-SWN-37 (INST. CONN) (Not shown) (White Arrown on the top) SOURCE: CONDUIT DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: _ \ EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE

Ebasco Services Incorporated

W A Grisw old 9/9/82 .

VERIFIED/DATE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-18-2

PHOTOGRAPH NO.: M252

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN-37 (INST CONN) (Not shown)

SOURCE: LIGHT FIX.

(White Arrow on the bottom)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has sufficient mass to damage target. Further evaluation is requried.

ACCEPTABLE

X

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING .

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-19-1

PHOTOGRAPH NO.: M252

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-34

(Not shown)

SOURCE: CONDUIT

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION: _ \

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY
-UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

W A Grisw old 9/9/82 .

VERIFIED/DATE

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BUILDING:	PRIMARY	AUXILIARY	BUILDING
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FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-19-2

PHOTOGRAPH NO.: M252

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-34

(Not shown)

SOURCE: LIGHT FIX. 13

(White Arrow on the bottom)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

INTERACTION ENGINEER /DATE	VERIETED /DATE
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
XACCEPTABLE .	POTENTIALLY UNACCEPTABLI

System	No.	8

Sheet 255 of 521

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET	
BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 17A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: V-8-21-3	
PHOTOGRAPH NO.: M253	
BACKGROUND NO.: 8-39	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 3/4"-SWN-37 (INST CONN) (Black Arrow on the bottom)	
SOURCE: CONDUIT (White Arrow on the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
X ACCEPTABLE . POTENTIALLY UNACCEPTABLE	
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82	_
INTERACTION ENGINEER/DATE VERIFIED/DATE	

Sheet 256 of 521

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-21-4

PHOTOGRAPH NO.: M253

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN-37 (INST CONN) (Black Arrow on the bottom)

SOURCE: LIGHT FIXTURE (White Arrow 2nd from the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source fall on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-22-3

PHOTOGRAPH NO.: M253

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN PCV-1271 (Black Arrow on the bottom)

SOURCE: CONDUIT (Whitearrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE .	POTENTIALLY UNACCEPTABLI
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-22-4

PHOTOGRAPH NO.: M253

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN PCV-1271 (Black Arrow on the bottom)

SOURCE: LIGHT FIXTURE (White Arrow 2nd from the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

BUILDING: PF	RIMARY	AUXILIARY	BUILDING
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FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-23-3

PHOTOGRAPH NO.: M253

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: COMPONENT COOLING HEAT EXCH. #31 (White Arrow on the top left)

SOURCE: CONDUIT

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY
UNACCEPTABLE

W A Grisweld 9/9/82

VERIFIED/DATE

System	No.	8	

Sheet 260 of 521

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 17A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-23-4

PHOTOGRAPH NO.: M253

BACKGROUND NO.: 8-39

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: COMPONENT COOLING HEAT EXCH. #31 (White Arrow on the top left)

SOURCE: LIGHT FIX.

(White Arrow 2nd from the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

___POTENTIALLY
___UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 27A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-24-1

PHOTOGRAPH NO.: M254

BACKGROUND NO.: 8-45

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 18"-SWN-35

(White Arrow on the bottom)

SOURCE: LIGHT FIX.

(White Arrow on the left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

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W A Griswold	9/9/82
	POTENTIALLY UNACCEPTABLE
	W A Griswold

System No.	8_
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INTERACTION ENGINEER/DATE

Sheet 262 of 521

VERIFIED/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET	
BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 27A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: V-8-24-2	
PHOTOGRAPH NO.: M254	
BACKGROUND NO.: 8-45	
•	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 18"-SWN-35 (White Arrow on the bottom)	
SOURCE: CONDUIT (White Arrow on the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/	9/82

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 27A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-25-2

PHOTOGRAPH NO.: M254

BACKGROUND NO.: 8-45

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: SRV-SWN-36 (3/4"- x 1") (Not shown)

SOURCE: CONDUIT

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

VERIFIED/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 27A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-26-2

PHOTOGRAPH NO.: M254

BACKGROUND NO.: 8-45

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 3/4"-SWN-49 (White Arrow on the bottom right)

SOURCE: CONDUIT

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

INTERACTION ENGINEER/DATE

EVALUATION NOTE NO: 3

POTENTIALLY ACCEPTABLE UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82

Szetem	No	•
System	NO.	8

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-31-1

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1"-SWN-104 (INST CONN) (White Arrow on the left)

SOURCE: CONDUIT (White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

__POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

W A Griswold 9 9/82

VERIFIED/DATE

System No.	8
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-31-3

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1"-SWN-104 (INST CONN) (White Arrow on the left)

SOURCE: LIGHT FIX. (Black Arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

DOTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

UNACCEPTABLE

WA Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-32-1

PHOTOGRAPH NO.: M277

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-96 (White Arrow on the top right)

SOURCE: CONDUIT

(Black Arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
XACCEPTABLE .	POTENTIALLY UNACCEPTABLE

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System No. 8

POWER AUTHORITY OF THE STATE OF INDIAN POINT 3 NUCLEAR POWER SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERAC EVALUATION SHEET

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-33-1

PHOTOGRAPH NO.: M277

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-100 (White Arrow on the mi

SOURCE: CONDUIT (Black Arrow on the to

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE .	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	W A Grisw ld 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-33-4

PHOTOGRAPH NO.: M277

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-100

(White Arrow on the middle left)

SOURCE: LIGHT FIX. (Black Arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

VERIFIED/DATE

INTERACTION ENGINEER/DATE

W A Griswald 9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-34-1

PHOTOGRAPH NO.: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-98 (White Arrow on the right)

SOURCE: CONDUIT (White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

System	No.	Ω
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BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-35-1

PHOTOGRAPH NO.: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-100 (Not Shown)

SOURCE: CONDUIT

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE .

POTENTIALLY

UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-35-5

PHOTOGRAPH NO.: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-100 (Not shown)

SOURCE: LIGHT FIX. (Black Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Grisw old 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

System	No.	8
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POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT

SYSTEM INTERACTION STUD NONCONNECTED SYSTEMS INTERA EVALUATION SHEET	•
BUILDING: YARD	
FIRE ZONE:	·
LOCATION WITHIN FIRE ZONE: VALVE PIT	,
POTENTIAL INTERACTION NO.: V-8-36-1	
PHOTOGRAPH NO.: M276	
BACKGROUND NO.:	
IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 1"-SWN-104 (INST CONN) (Black Arrow	on the middle right)
SOURCE: CONDUIT (White Arrow	on the top)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	•
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XACCEPTABLE .	POTENTIALLY
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-36-2

PHOTOGRAPH NO.: M276

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1"-SWN-104 (INST CONN) (Black Arrow on the middle right)

SOURCE: LIGHT FIX. (Black Arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

__POTENTIALLY
UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

INTERACTION ENGINEER/DATE

VERIFIED/DATE

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: YARD	,
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: VALVE PIT	
POTENTIAL INTERACTION NO.: V-8-38-1	
PHOTOGRAPH NO.: M277	
BACKGROUND NO.: 8-53	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 24"-SWN-100 (Not Shown)	
SOURCE: CONDUIT (Black Arrow on the top right)	
DESCRIPTION OF POSTULATED INTERACTION:	
Soure falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
X ACCEDEADITE ::	OTENTIALLY NACCEPTABLI
Jorge L. Rodriguez 8/9/82 W A Griswold	9/9/82

Ebasco Services Incorporated

System	No.	8

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

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BUILDING: YARD	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: VALVE PIT	
POTENTIAL INTERACTION NO.: V-8-39-1	•
PHOTOGRAPH NO.: M278	
BACKGROUND NO.: 8-53	÷
IDENTIFICATION OF INTERACTION COMPONENTS:	٠
TARGET: 24"-SWN-99 (White Arrow on the bottom left)	
SOURCE: CONDUIT (White Arrow on the top right)	
DESCRIPTION OF POSTULATED INTERACTION:	•
Source falls on target	
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3	
EVALUATION NOTE NO	
X ACCEPTABLE	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold	9/9/82

Ebasco Services Incorporated

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT

POTENTIAL INTERACTION NO.: V-8-39-5

PHOTOGRAPH NO.: M278

BACKGROUND NO.: 8-53

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 24"-SWN-99

(White Arrow on the bottom left)

SOURCE: LIGHT FIX. (Black Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE	POTENTIALLY
Jorge L. Rodriguez 8/9/82	W A Griswold 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

BUILDING: YARD	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TO	RBINE OIL COOLERS, ETC.
POTENTIAL INTERACTION NO.: V-8-43-2	·
PHOTOGRAPH NO.: M302	
BACKGROUND NO.: 8-79	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 10"-SWN-7 (Black	ck Arrow bottom right)
SOURCE: CONDUIT BOX & CONDUIT (Black	ck Arrow on the top)
•	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
	
XACCEPTABLE	POTENTIALLY ——UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	II A Cod 14 0/0/00
INTERACTION ENGINEER / DATE	W A Griswold 9/9/82

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-45-1

PHOTOGRAPH NO.: M301

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1/2" ROOT VALVES (AMT. 2) (Black Arrow on the bottom left)

SOURCE: SPACE HEATER

(White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass and will fall a sufficient distance to damage target. Further evaluation required.

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__ACCEPTABLE

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POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

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System	No	0
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BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-45-2

PHOTOGRAPH NO.: M302

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1/2" ROOT VALVES (AMT. 2) (Black Arrow on the center left)

SOURCE: CONDUIT BOX & CONDUIT (Black Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass and will fall a sufficient distance to damage target. Further evaluation required.

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82 VERIFIED/DATE

POTENTIALLY

INTERACTION ENGINEER / DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-47-1

PHOTOGRAPH NO.: M301

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16" SWN-FCV-1111 (Black Arrow on the bottom center)

SOURCE: SPACE HEATER (White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez . 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: YARD

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-47-2

PHOTOGRAPH NO.: M302

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 16" SWN-FCV-1111 (Black Arrow on the bottom center)

SOURCE: CONDUIT BOX & CONDUIT (Black Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POTENTIALLY

WA Griswold 9/9/82

VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-48-1

PHOTOGRAPH NO.: M301

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1/2"-ROOT VALVES (AMT. 2) (Black Arrow on the bottom right)

SOURCE: SPACE HEATER (White Arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass and will fall a sufficient distance to damage

target. Further evaluation required.

ACCEPTABLE

POTENTIALLY
UNACCEPTABLE

Joege L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

BUILDING: YARD

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: VALVE PIT FOR TURBINE OIL COOLERS, ETC.

POTENTIAL INTERACTION NO.: V-8-48-2

PHOTOGRAPH NO.: M302

BACKGROUND NO.: 8-79

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 1/2"-ROOT VALVES (AMT. 2) (Black Arrow on the center)

SOURCE: CONDUIT BOX & CONDUIT (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target.

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass and will fall a sufficient distance to damage target. Further evaluation required.

ACCEPTABLE

POTENTIALLY

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE

W A Griswold 9/9/82 VERIFIED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-50-1

PHOTOGRAPH NO.: M237

BACKGROUND NO.: 8-17

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-41

(White Arrow on the bottom left)

SOURCE: CONDUIT

(Black Arrow on the right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

W A Griswold 9/9/82

VERIFIED/DATE

INTERACTION ENGINEER / DATE

BUILDING: PRIMAR	RY AUXILIA	RY BUILDING
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FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-53-2

PHOTOGRAPH NO.: M240

BACKGROUND NO.: 8-16

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-41 (White arrow on the bottom right)

SOURCE: CONDUIT (White arrow on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82

VERIFIED/DATE

POTENTIALLY

-UNACCEPTABLE

W A Griswold 9/9/82

VERIFIED/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

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ACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: PRIMARY AUXILIARY BUILDING	
FIRE ZONE: 59A	
LOCATION WITHIN FIRE ZONE:	
POTENTIAL INTERACTION NO.: V-8-57-1	
PHOTOGRAPH NO.: M237	
BACKGROUND NO.: 8-17	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: SRV-SWN-42 $(1\frac{1}{2}" \times 2\frac{1}{2}")$ (White arrow on the top left)	
SOURCE: CONDUIT (Black arrow on the right)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
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X ACCEPTABLE	POTENTIALLY —UNACCEPTABLE

Ebasco Services Incorporated

W A Griswold 9/9/82

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	EVALUATION SE	HEET	
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BUILDING: PRIMARY AUXILIAR	Y BUILDING		
FIRE ZONE: 59A			
LOCATION WITHIN FIRE ZCNE:			
POTENTIAL INTERACTION NO.:	V-8-62-1		
PHOTOGRAPH NO.: M240			
BACKGROUND NO.: 8-16			
IDENTIFICATION OF INTERACTI	ON COMPONENTS:		•
TARGET: 1"-SWN-43	(White arrow on the	e left center)	
SOURCE: CONDUIT	(White arrow on the	e center)	
DESCRIPTION OF POSTULATED I	NTERACTION:		
Source falls on target			
EVALUATION OF INTERACTION:			
EVALUATION NOTE NO:	3		
ACCEPTABLE	;		POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82	2	W A Griswold 9	
INTERACTION ENGINEER/DATE		VERIFI	ED/DATE

BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 59A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-66-1

PHOTOGRAPH NO.: M241

BACKGROUND NO.: 8-16

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: ½"-SWN-72 (INST. CONN AMT 2) (Black arrow on the bottom)

SOURCE: CONDUIT (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 5

Source has adequate mass and will fall a sufficient distance to damage target. Further evaluation required.

ACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Grisw old 9/9/82

VERIFIED/DATE

INTERACTION ENGINEER/DATE	VERIFIE	D/DATE
Jorge L. Rodriguez 8/9/82	W A Griswold 9/	9/82
ACCEPTABLE	x	POTENTIALLYUNACCEPTABL
Source has adequate mass and will fall a suffi Further evaluation required.	cient distance to c	damage target.
EVALUATION NOTE NO: 5		
EVALUATION OF INTERACTION:		
Source falls on target	,	
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: LIGHT FIXTURE (not shown)		
TARGET: ½"-SWN-72 (INST. CONN AMT 2) (B1	ack arrow on the bo	ottom)
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-16		
PHOTOGRAPH NO.: M241		
POTENTIAL INTERACTION NO.: V-8-66-2		
LOCATION WITHIN FIRE ZONE:		
FIRE ZONE: 59A		
BUILDING: PRIMARY AUXILIARY BUILDING		

Ebasco Services Incorporated

BUILDING: FAN HOUSE

FIRE ZONE: 88A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-102-1

PHOTOGRAPH NO.: M246

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BACKGROUND NO.: 8-19

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 10"-SWN-44 (White arrow on the bottom left)

SOURCE: SPEAKER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO:

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

W A Griswold 9/9/82

VERIFIED/DATE

System	No	0	
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BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-112-2

PHOTOGRAPH NO.: M250

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-56 (White arrow on the center)

SOURCE: 3/4"-875 (White arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY X ACCEPTABLE -UNACCEPTABLE W A Griswold 9/9/82 Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

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INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

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BUILDING: PRIMARY AUXILIARY BUILDING
FIRE ZONE: 62A
LOCATION WITHIN FIRE ZCNE:
POTENTIAL INTERACTION NO.: V-8-113-1
PHOTOGRAPH NO.: M250
BACKGROUND NO.: 8-13
•
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 2"-SWN-60 (White arrow on the bottom center)
SOURCE: 3"-STEAM LINE (White arrow 2nd from the top left)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
ACCEPTABLEX POTENTIALLYUNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

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BUILDING: PRIMARY AUXILIARY BUILDING

FIRE ZONE: 62A

LOCATION WITHIN FIRE ZONE:

POTENTIAL INTERACTION NO.: V-8-113-2

PHOTOGRAPH NO.: M250

BACKGROUND NO.: 8-13

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 2"-SWN-60 (White arrow on the bottom center)

SOURCE: 3/4"-875 (White arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
INTERACTION ENGINEER/DATE

W A Griswold 9/9/82 VERIFIED/DATE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
POTENTIAL INTERACTION NO.: V-8-117-6	
PHOTOGRAPH NO.: M288	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 8"-SWN-4 (not shown)	
SOURCE: SPACE HEATER (Black arrow on the top)	
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
X _ACCEPTABLE	POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9	0/82

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INTERACTION ENGINEER / DATE	VERIFIED/DA	ATE
Jorge L. Rodriguez 8/9/82 W A	Grisw-old 9/9/8	2
xACCEPTABLE		POTENTIALLY —UNACCEPTABL
EVALUATION NOTE NO: 3		•
EVALUATION OF INTERACTION:		
Source falls on target		
DESCRIPTION OF POSTULATED INTERACTION:		
SOURCE: CONDUIT (Black arrow on the bott	om right)	
TARGET: 8"-SWN-4 (not shown)		
IDENTIFICATION OF INTERACTION COMPONENTS:		
BACKGROUND NO.: 8-80		
PHOTOGRAPH NO.: M288		
POTENTIAL INTERACTION NO.: V-8-117-7		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT		
FIRE ZONE:		
BUILDING: INTAKE STRUCTURE		

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PI	Т
POTENTIAL INTERACTION NO.: V-8-119-1	
PHOTOGRAPH NO.: M282	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-SWN-2 (not shown)	
SOURCE: TEMPORARY PROPANE TANKS (Two black	arrows on the center)
DESCRIPTION OF POSTULATED INTERACTION:	
Source falls on target	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
ACCEPTABLE	POTENTIALLY UNACCEPTABLE
	√ A Grisw _ô ld 9/9/82
INTERACTION ENGINEER/DATE	VERIFIED/DATE

INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: V-8-119-2
PHOTOGRAPH NO.: M285
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-SWN-2 (not shown)
SOURCE: CONDUIT (White arrow on the top conduit connected to light is shown)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION:
EVALUATION NOTE NO: 3
x ACCEPTABLE POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

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W A Griswold 9/9/82

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-119-3

PHOTOGRAPH NO.: M285

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (Not shown)

SOURCE: LIGHT FIXTURE (White arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	T	
POTENTIAL INTERACTION NO.: V-8-120-2		
PHOTOGRAPH NO.: M285		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 14"-STRAINER #33 (White arrow on th	ne bottom left)	
SOURCE: CONDUIT (White arrow on the to shown)	op conduit connected to light is	
DESCRIPTION OF POSTULATED INTERACTION:	•	
Source falls on target		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		
ACCEPTABLE	POTENTIALLY UNACCEPTABL	
Jorge L. Rodriguez 8/9/82	V A Griswold 9/9/82	
INTERACTION ENGINEER / DATE	VERIFIED/DATE	

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Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-120-3 PHOTOGRAPH NO.: M285 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-STRAINER #33 (White arrow on the bottom left) SOURCE: LIGHT FIXTURE (White arrow on the top) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY x ACCEPTABLE -UNACCEPTABLE

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W A Griswold 9/9/82

BUILDING: INTAKE STRUCTURE	
FIRE ZONE:	
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT	
POTENTIAL INTERACTION NO.: V-8-120-4	
PHOTOGRAPH NO.: M-285	
BACKGROUND NO.: 8-80	
IDENTIFICATION OF INTERACTION COMPONENTS:	
TARGET: 14"-STRAINER #33 (WHITE ARROW ON THE BOTTOM LEFT)	
SOURCE: 8"-SCREENWASH HEADER (WHITE ARROW ON THE CENTER LEFT)	
DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET.	
EVALUATION OF INTERACTION:	
EVALUATION NOTE NO: 3	
•	D0000000000000000000000000000000000000
X ACCEPTABLE	POTENTIALLYUNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Griswold INTERACTION ENGINEER/DATE VERIFIED/DA	9/9/82
INTERACTION ENGINEER/DATE VERIFIED/DA	TE

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-121-4

PHOTOGRAPH NO.: M286

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1 (Black arrow on the bottom center)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

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ROITDING:	INTAKE	SIKUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-122-1

PHOTOGRAPH NO.: M282

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (White arrow on the top center)

SOURCE: TEMPORARY PROPANE TANKS (Two black arrows on the center)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82
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INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-122-2 PHOTOGRAPH NO.: M287 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-2 (not shown) SOURCE: CONDUIT (White arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE

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BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-122-5 PHOTOGRAPH NO.: M287 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-2 (not shown) SOURCE: LIGHT FIXTURE (White arrow on the top left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY x ACCEPTABLE ---UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER/DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-122-6

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (not shown)

SOURCE: SPACE HEATER (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82 INTERACTION ENGINEER/DATE

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System	No	8	
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BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-122-7 PHOTOGRAPH NO.: M288 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-SWN-2 (not shown) (Black arrow on the bottom right) SOURCE: CONDUIT DESCRIPTION OF POSTULATED INTERACTION: Source falls on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY x ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Grisw old 9/9/82INTERACTION ENGINEER / DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE
FIRE ZONE:
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT
POTENTIAL INTERACTION NO.: V-8-123-1
PHOTOGRAPH NO.: M282
BACKGROUND NO.: 8-80
IDENTIFICATION OF INTERACTION COMPONENTS:
TARGET: 14"-STRAINER #32 (White arrow on the top right)
SOURCE: TEMPORARY PROPANE TANKS (Two black arrows on the center)
DESCRIPTION OF POSTULATED INTERACTION:
Source falls on target
EVALUATION OF INTERACTION: EVALUATION NOTE NO: 5
Source has adequate mass to damage target. Further evaluation required.
source has adequate mass to damage target. Further evaluation required.
ACCEPTABLE X POTENTIALLY UNACCEPTABLE
Jorge L. Rodriguez 8/9/82 W A Grisweld 9/9/82
INTERACTION ENGINEER/DATE VERIFIED/DATE

System	No.	8
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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-123-2

PHOTOGRAPH NO.: M287

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-STRAINER #32 (not shown)

SOURCE: CONDUIT

(White arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

_____X __ACCEPTABLE

POTENTIALLY
--UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER / DATE

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BUILDING: INTAKE STRUCTURE		
FIRE ZONE:		
LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT		
POTENTIAL INTERACTION NO.: V-8-123-4		
PHOTOGRAPH NO.: M285		
BACKGROUND NO.: 8-80		
IDENTIFICATION OF INTERACTION COMPONENTS:		
TARGET: 14"-STRAINER #32 (NOT SHOWN)		
SOURCE: 8"-SCREENWASH HEADER (WHITE ARROW ON THE CENTER LEFT)		
DESCRIPTION OF POSTULATED INTERACTION: SOURCE FALLS ON TARGET		
EVALUATION OF INTERACTION:		
EVALUATION NOTE NO: 3		

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POTENTIALLY

UNACCEPTABLE

INTERACTION ENGINEER / DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-123-5 PHOTOGRAPH NO.: M287 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-STRAINER #32 (not shown) SOURCE: LIGHT FIXTURE (White arrow on the top left) DESCRIPTION OF POSTULATED INTERACTION: Source falls on target. EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-124-4

PHOTOGRAPH NO.: M286

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1 (not shown)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-125-1

PHOTOGRAPH NO.: M287

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (not shown)

SOURCE: CONDUIT

(White arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-125-4

PHOTOGRAPH NO.: M287

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (not shown)

SOURCE: LIGHT FIXTURE (White arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE POTENTIALLY UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-125-5

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (not shown)

SOURCE: SPACE HEATER (Black arrow on the top)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82 INTERACTION ENGINEER / DATE VERIFIED/DATE

BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-125-6

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2 (not shown)

SOURCE: CONDUIT (Black arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

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INTERACTION ENGINEER / DATE

VERIFIED/DATE

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-125-7

PHOTOGRAPH NO.: M288

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-2

(not shown)

SOURCE: CONDUIT BOX

(White arrow on the bottom right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

X ACCEPTABLE

POTENTIALLY -UNACCEPTABLE

Jorge L. Rodriguez 8/9/82

INTERACTION ENGINEER/DATE

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INTERACTION ENGINEER/DATE

POWER AUTHORITY OF THE STATE OF NEW YORK INDIAN POINT 3 NUCLEAR POWER PLANT SYSTEM INTERACTION STUDY NONCONNECTED SYSTEMS INTERACTION EVALUATION SHEET

BUILDING: INTAKE STRUCTURE FIRE ZONE: LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT POTENTIAL INTERACTION NO.: V-8-126-1 PHOTOGRAPH NO.: M287 BACKGROUND NO.: 8-80 IDENTIFICATION OF INTERACTION COMPONENTS: TARGET: 14"-STRAINER #31 (not shown) SOURCE: CONDUIT (White arrow on the top right) DESCRIPTION OF POSTULATED INTERACTION: Source fall on target EVALUATION OF INTERACTION: EVALUATION NOTE NO: 3 POTENTIALLY ACCEPTABLE -UNACCEPTABLE Jorge L. Rodriguez 8/9/82 W A Griswold 9/9/82

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-126-4

PHOTOGRAPH NO.: M287

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-STRAINER #31 (not shown)

SOURCE: LIGHT FIXTURE (White arrow on the top left)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

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UNACCEPTABLE

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BUILDING: INTAKE STRUCTURE

FIRE ZONE:

LOCATION WITHIN FIRE ZONE: SERVICE WATER VALVE PIT

POTENTIAL INTERACTION NO.: V-8-127-3

PHOTOGRAPH NO.: M = 286

BACKGROUND NO.: 8-80

IDENTIFICATION OF INTERACTION COMPONENTS:

TARGET: 14"-SWN-1 (not shown)

SOURCE: 8"-SCREENWASH HEADER (Black arrow on the top right)

DESCRIPTION OF POSTULATED INTERACTION:

Source falls on target

EVALUATION OF INTERACTION:

EVALUATION NOTE NO: 3

ACCEPTABLE

POTENTIALLY

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