

JUL 9 1981

MEMORANDUM FOR: H. B. Kister, Chief, Reactor Projects Section 1C, DRPI
FROM: R. A. Feil, Reactor Inspector
SUBJECT: STATUS OF INSPECTION PROGRAM - NINE MILE POINT, UNIT 2

A review of the IE inspection program for Nine Mile Point Unit 2 shows that the following modules are overdue as of July 1, 1981. (See details Attachment A).

50055 53051 53053 53055 35061

The following modules are within the "inspection window" and need inspection effort to preclude becoming overdue. (See details Attachment B).

48053 48055 55055 48063 48065
55081 55053 55071 55171 55172
55177 55151 55152 55153 55155
55156 55157 55158

Attachment C is the status of the Construction Inspection Procedures for MC 2512 as of July 1, 1981. Some procedures may not conform to the inspection window requirements. This is because the procedure and the facility construction network summary schedule could not be correlated at this time. Subsequent inspections should provide more detail to facilitate the correlation and provide updating for Attachment C.

R. A. Feil
Reactor Inspector

R/2

Module No

- 50055 - RV Installation - Review of QC Records.
Window - Completed before Milestone 270 + 2 months
Construction Status - 100%
Inspection Status - 40%
Overdue by ~ 10 months.
- 53051 Containment (Penetrations) - Review of GP Implementing Procedures
Window - Milestone 239 to 10%
Construction Status 100% in Primary Containment
Inspection Status: 30%
Overdue by 90%
- 53053 Containment (Penetrations) - Observation of Work & Work Activities
Window - 20% to 60%
Construction Status - 100% in Primary Containment
Inspection Status - 20%
Overdue by 40%

MODULES OVERDUE

Module No.

5.3055 Containment (Penetrations) - Review of Quality Records
Window: 30% to 80%
Construction Status: 98% in Primary Containment
Inspection Status: 0
Overdue by 18%

3.5061 An-Depth QA Inspection of Performance
Window: Annually
Construction Status: 39% complete
Inspection Status: 10% was inspected
and documented in Report 80-11. A
reorganization of the Niagara Mohawk
Project Quality Organization is currently
in progress and is expected to be
completed by August 1, 1981. This
module has never been looked at in
its entirety during the life of the facility.
Very overdue.

ATTACHMENT B

Module No

- 48053 Containment (Steel Structures and Supports) Observation of
Works and Work Activities
Window: 20% to 70%
Construction Status: Primary Containment Civil - 65%
Primary Containment Liner - 85%
Secondary Containment - 40%
Inspection Status: 70%
Module should be inspected before August 81
- 48055 Containment (Steel Structures and Supports) Review of
Quality Records
Window: 30% to 80%
Construction Status: See 48053
Inspection Status: 10%
Module should be inspected before October 81
- 55055 Containment (Structural Steel Welding) Review of
Quality Records
Window: 30% to Milestone 240 + 1 month
Construction Status: 30%
Inspection Status: 30%
Module should be inspected since last inspection
was reported in 79-02 (72 years)

Module No

45063 Safety Related Structures (Structural Steel & supports) - Observation of Work

Window: 10% to 40%

Construction Status: 30%

Inspection Status: 80%

Module should be completed before August 81

45065 Safety Related Structure (Structural Steel & supports) -

Review of Quality Records

Window: 20% to 50%

Construction Status: 30%

Inspection Status: 0

Module should be completed before December 81

45081 Safety Related Piping (Welding) - Review of Q.R.

Implementing Procedures

Window: Milestone 279 - 6 months to 10%

Construction Status: 5%

Inspection Status: 90%

Module should be completed before August 81

MODULES NEEDING INSPECTION EFFORT

Module No.

55053 : Containment (Structural Steel Welding) Observation of Work
and Work Activities

Windows: 20% to 70%

Construction Status: 30%

Inspection Status: 70%

Module should be inspected since last inspection
was reported in 79-05 (> 2 years)

MODULES NEEDING INSPECTION EFFORT

Module No.

55071 Reactor Coolant Pressure Boundary Piping (Welding) -
 Review of QA Implementing Procedures.
 Window: 279 - 6 month to 1090
 Construction Status: 3% to 5%
 Inspection Status: 90%
 Module should be looked at while within the
 window - i.e. before October 81

55171 Reactor Coolant Loop Piping - Welding Procedure
 Specifications & QA Procedures
 Window: ~ 279 to 1090
 Construction Status: 3% to 5%
 Inspection Status: 0
 Module should be looked at while within the
 window - i.e. before October 81

55172 Reactor Coolant Loop Piping - Welding Material
 Control
 Same as 55171

55177 Reactor Coolant Loop Piping - welder Qualification
 Same as 55171

MODULES NEEDING INSPECTION EFFORT

Module No.

55151 Steel Structures & Supports - Welding Procedure Specifications & QA Procedures.

Window: 1st Inspection: Milestone 220 to 10%

2nd Inspection: 10% to 30%

Construction Status: Primary Containment - ~ 75%

Secondary Containment - 40%

Structural Steel - 30%

Inspection Status: 0

Module is not overdue because of the specifics within the module. However this module should be inspected as structural steel is presently being installed & weld overlay for supports is being placed on the biological shield wall.

55152 Steel Structures & Supports - Welding Material Control.

Same as Module 55151 except for 2nd inspection window. (30% to 50%)

MODULES REQUIRING INSPECTION EFFORT

Module No.

55153 Steel Structures & Supports - Observation of
Welding within Containment
Window: 1st Inspection: 10% to 30%

Other information same as Module 55151.

55155 Steel Structures & Supports - Visual Examination
of Welds

Same as Module 55153

55156 Steel Structures & Supports - Cold Heat Treatment

Same as Module 55153

55157 Steel Structures & Supports - Welder Qualification

Same as Module 55151

55158 Steel Structure & Supports - Special Welding
Applications

Same as Module 55153 except
2nd inspection window (50% to 100%)

CONSTRUCTION INSPECTION PROCEDURES

Section I MAY 81

ATTACHMENT C

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONST R STATUS %	INSP PRG STATUS %	REPORT NO
35051 B	Site Erected Reactor Vessels-Review of QA Procedures (To be used only where reactor vessels are field erected)	NA		
35053 B	Preplanning of Complex Construction			
35061 B	In-Depth QA Inspection of Performance		10	
37051 B	Review of As-Builts	1 year before	0%	
45051 B	Site Preparation-Review of QA Implementing Procedures 140 - 209 + 1mo			completed 77-01
45055 B	Site Preparation-Review of Quality Records 50 - 210 + 1mo			completed 78-03
45061 B	Lakes, Dams & Canals-Review of QA Implementing Procedures 200-6mo - 10	NA		
45063 B	Lakes, Dams & Canals-Observation of Work and Work Activities 20-60	NA		
45065 B	Lakes, Dams & Canals-Review of Quality Records 70 - C + 1mo	NA		
46051 B	Foundations-Review of QA Implementing Procedures 219-6mo - 219			completed 76-02

ATTACHMENT C

	Containment (Concrete I)- Observation of Work & Work Activities 10-30			Completed 76-07
47055 B	Containment (Structural Concrete II)- Observation of Work & Work Activities 50-80			Completed 77-04
47056 B	Containment (Structural Concrete I)- Review of Quality Records 10-50			Completed 77-04
47061 B	Containment (Structural Concrete II)- Review of Quality Records 50 - 240+1m			Completed 81-01
47063 B	Containment (Prestressing)-Review of QA. Implementing Procedures 220 - 10			Completed 77-11
47065 B	Containment (Prestressing)-Observation of Work and Work Activities 10-80	NA		Completed 81-01
	Containment (Prestressing)-Review of Quality Records 20 - 240+1m	NA		
		NA		

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Enclosure 1 to MC 2512

Issue Date: 1/1/79

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
48051 B	Containment (Steel Structures & Supports) - Review QA Implementing Procedures 220-10			Completed Grauer 77-12 CBI 79-03
48053 B	Containment (Steel Structures & Supports) - Observation of Work & Work Activities 20-70	PC Civil 65 PC Liner 85 SC Civil 40	70	
48055 B	Containment (Steel Structures & Supports) - Review of Quality Records 30-80	same as above	10	
48061 B	Safety Related Structures (Structural Steel & Supports)-Review of QA Proc. 220-10			Completed 79-01
48063 B	Safety Related Structures (Structural Steel & Supports I)-Observ. of Work 10-40		80	
48064 B	Safety Related Structures (Structural Steel & Supports II)-Observ. of Work 50-80			
48065 B	Safety Related Structures (Structural Steel & Supports I)-Review of Quality Records 20-50			
48066 B	Safety Related Structures (Structural Steel & Supports II)-Review of Quality Records 50-25071mo			
49051 B	Reactor Coolant Pressure Boundary Piping-Review of QA Implementing Procedures 279-6mo-10			Completed 79-03
49053 B	Reactor Coolant Pressure Boundary Piping I-Observation of Work 10-30	3-5	0	

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRG STATUS %	REPORT NO
49054 B	Reactor Coolant Pressure Boundary Piping II-Observation of Work 50-80			
49055 B	Reactor Coolant Pressure Boundary Piping I-Review of Quality Records			
49056 B	Reactor Coolant Pressure Boundary Piping II-Review of Quality Records 20-20			
49061 B	Safety Related Piping-Review of QA Implementing Procedures 60 - 280+1mo	3-5	0	
49063 B	Safety Related Piping-Observation of Work and Work Activities 279-6mo - 60			
49065 B	Safety Related Piping-Review of Quality Records 30-80			
50051 B	Reactor Vessel Installation-Review of QA Implementing Procedures 270-6mo - 10			Completed 80-08
50053 B	Reactor Vessel Installation-Observation of Work and Work Activities < 270+1mo			Completed 80-08
50055 B	Reactor Vessel Installation-Review of Quality Records < 270+2mo	100	45	
50061 B	Reactor Vessel Internals-Review of QA Implementing Procedures 270-6mo - 10		10	
50063 B	Reactor Vessel Internals-Observation of Work and Work Activities Installation + 1mo		20	

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
50065 B	Reactor Vessel Internals-Review of Quality Records Installation + 2 mo			
50071 B	Safety Related Components-Review of QA Implementing Procedures 269-6 mo - 10			Completed 78-06
50073 B	Safety Related Components I-Observation of Work and Work Activities 10-30		50	
50074 B	Safety Related Components II-Observation of Work and Work Activities 50-80			
50075 B	Safety Related Components I-Review of Quality Records 20-40		50	
50076 B	Safety Related Components II-Review of Quality Records 50 - 6 mo			
50082 B	Site Erected Reactor Vessels-Review of Procedures (To be used only where reactor vessels are field erected)	NA		
50083 B	Site Erected Reactor Vessels-Observation of Erection Activities (To be used where reactor vessels are field erected)	NA		
50085 B	Site Erected Reactor Vessels-Review of Records (To be used only where reactor vessels are field erected)	NA		
50090 B	Safety Related Pipe Support and Restraint Systems 6 mo			
50095 B	Spent Fuel Storage Racks-Observation of Work and Work Activities 6 mo			

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PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
51051 B	Electrical (Components & Systems)-Review of QA Implementing Procedures 284-6mo - 10		20	
51053 B	Electrical (Components & Systems I)- Observation of Work & Work Activities 10 - 40			
51054 B	Electrical (Components & Systems II)- Observation of Work & Work Activities 50 - 90			
51055 B	Electrical (Components & Systems I)- Review of Quality Records 20 - 50			
51056 B	Electrical (Components & Systems II)- Review of Quality Records 50 - (time)			
51061 B	Electrical (Cables & Terminations)- Review of QA Implementing Procedures 284-6mo - 10		20	
51063 B	Electrical (Cables & Terminations I)- Observation of Work & Work Activities 10 - 30			
51064 B	Electrical (Cables & Terminations II)- Observation of Work & Work Activities 50 - 90			
51065 B	Electrical (Cables & Terminations I)- Review of Quality Records 20 - 50			
51066 B	Electrical (Cables & Terminations II)- Review of Quality Records 50 - 285+mo			
52051 B	Instrumentation (Components & Systems)- Review of QA Implementing Procedures 294-6mo - 10			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRDG STATUS %	REPORT NO
52053 B	Instrumentation (Components & Systems I)- Observation of Work & Work Activities 10-30			
52054 B	Instrumentation (Components & Systems II) -Observation of Work & Work Activities 50-80			
52055 B	Instrumentation (Components & Systems I)- Review of Quality Records 20-40			
52056 B	Instrumentation (Components & Systems II) -Review of Quality Records 50 - 2957mo			
52061 B	Instrumentation (Cables & Terminations)- Review of QA Procedures 294-6mo - 10			
52063 B	Instrumentation (Cables & Terminations I) -Observation of Work & Work Activities 10-30			
52064 B	Instrumentation (Cables & Terminations II) -Observation of Work & Work Activities 50-90			
52065 B	Instrumentation (Cables & Terminations I) -Review of Quality Records 20-50			
52066 B	Instrumentation (Cables & Terminations II) -Review of Quality Records 50 - 2957mo			
53051 B	Containment (Penetrations)-Review of QA Implementing Procedures 239 - 10	PC 100	30	
53053 B	Containment (Penetrations)-Observation of Work & Work Activities 20-60	PC 100	20	

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INST PROG STATUS %	REPORT NO
53055 B	Containment (Penetrations)-Review of Quality Records 30-80	PC 100	0	
55051 B	Containment (Structural Steel Welding)-Review of QA Implementing Procedures 220-10			Completed Graver - 77-12 CBI - 79-06
55053 B	Containment (Structural Steel Welding)-Observation of Work and Work Activities 20-70	30	70	
55055 B	Containment (Structural Steel Welding)-Review of Quality Records 30 - 240 + 1 mo	30	30	
55061 B	Safety Related Structures (Welding)-Review of QA Implementing Procedures 270-10			Completed 79-02
55063 B	Safety Related Structures (Welding I)-Observation of Work & Work Activities 10-40			
55064 B	Safety Related Structures (Welding II)-Observation of Work & Work Activities 50-80			
55065 B	Safety Related Structures (Welding I)-Review of Quality Records 20-50			
55066 B	Safety Related Structures (Welding II)-Review of Quality Records 50 - 250 + 1 mo			
55071 B	Reactor Coolant Press. Boundary Piping (Welding)-Review of QA Impl. Proc. 277-6 mo - 10	3-5	90	
55073 B	Reactor Coolant Press. Boundary Piping (Welding I)-Observ. of Work 10-30	3-5	0	

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRG STATUS %	REPORT NO
55074 B	Reactor Coolant Press. Boundary Piping (Welding II)-Observ. of Work 40-90			
55075 B	Reactor Coolant Press. Boundary Piping (Welding I)-Review of Quality Records 20-40			
55076 B	Reactor Coolant Press. Boundary Piping (Welding II)-Review of Quality Records 50 - 280Timo			
55081 B	Safety Related Piping (Welding)-Review of QA Implementing Proc. 279-6mo - 10		90	
55083 B	Safety Related Piping (Welding)-Observation of Work 20-60			
55085 B	Safety Related Piping (Welding)-Review of Quality Records 30-80			
55092 B	Site Erected Reactor Vessels-Observation of Welding Activities (To be used only where reactor vessels are field erected) 10-270	N A		
55093 B	Reactor Vessel Internals (Welding)-Observation of Welding Activities Installation + 1mo			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
55151 B	Steel Structures & Supports - Welding Procedure Specifications & QA Proc.			
	First Inspection ~ 20 - 40			
	Second Inspection 10 - 30			
	Third Inspection 50 - 70			
55152 B	Steel Structures & Supports - Welding Material Control			
	First Inspection ~ 20 - 40			
	Second Inspection 50 - 30			
	Third Inspection 50 - 70			
Fourth Inspection 80 - <<				

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PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
55153 B	Steel Structures & Supports-Observation of Welding Within Containment			
	First Inspection 10-30			
	Second Inspection 50-70			
55154 B	Steel Structures & Supports-Observation of Welding Outside Containment			
	Third Inspection 80-90			
	First Inspection 10-30			
55155 D	Steel Structures & Supports-Visual Examination of Welds			
	Second Inspection 50-70			
	Third Inspection 80-90			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRDC STATUS %	REPORT NO
	Third Inspection 80 - < C			
55156 B	Steel Structures & Supports-Weld Heat Treatment			
	First Inspection 10-30			
	Second Inspection 50 - < C			
55157 B	Steel Structures & Supports-Welder Qualification			
	First Inspection ~ 220 - 10			
	Second Inspection 10-30			
	Third Inspection 50-70			
	Fourth Inspection 80 - < C			
55158 B	Steel Structures & Supports-Special Welding Applications			
	First Inspection 10-30			



55173 B	Reactor Coolant Loop Piping-Observation of Welding	First Inspection 10-30 Second Inspection 50-70 Third Inspection 80-90
55175 B	Reactor Coolant Loop Piping-Visual Examination of Welds	First Inspection 10-30 Second Inspection 50-70 Third Inspection 80-90
55176 B	Reactor Coolant Loop Piping-Weld Heat Treatment	First Inspection 10-30 Second Inspection 50-90

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PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
55177 B	Reactor Coolant Loop Piping-Welder Qualification	3 - 5	0	
	First Inspection ~ 279-10			
	Second Inspection 10-30			
	Third Inspection 50-70			
	Fourth Inspection 80-100			
55178 B	Reactor Coolant Loop Piping-Special Welding Applications			
	First Inspection 10-30			
	Second Inspection 50-100			
55181 B	Other Safety-Related Piping-Welding Procedure Specifications & QA Procedures			
	First Inspection ~ 279-10			
	Second Inspection 10-30			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR. STATUS %	INSP PROG STATUS %	REPORT NO
55181 B (Continued)	Third Inspection 50-75			
55182 B	Other Safety-Related Piping-Welding Material Control First Inspection 279-10 Second Inspection 10-30 Third Inspection 50-70 Fourth Inspection 80-90			
55183 B	Other Safety-Related Piping-Observation of Welding First Inspection 10-30 Second Inspection 50-70 Third Inspection 80-90			

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PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
55185 B	Other Safety-Related Piping-Visual Examination of Welds			
	First Insuection 10-30			
	Second Inspection 50-70			
	Third Inspection 80-90			
55186 B	Other Safety-Related Piping-Weld Heat Treatment			
	First Inspection 10-30			
	Second Inspection 50-70			
55187 B	Other Safety-Related Piping-Welder Qualification			
	First Inspection 279-10			
	Second Inspection 10-30			
	Third Inspection 50-70			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
55187 B (Continued)	Fourth Inspection 80 - CC			
55188 B	Other Safety-Related Piping - Special Welding Applications			
	First Inspection 10-30			
	Second Inspection 50 - CC			
57100 B	Site Erected Reactor Vessels-NDE (To be used only where reactor vessels are field erected)	NA		
63050 B	Containment Structural Integrity Test			
64051 B	Procedures-Fire Prevention/Protection 220-280			
64053 B	Fire Loop Installation 10 - CC			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
73051 B	Inservice Inspection-Review of Program <i>309-6mo - 309</i>			
73052 B	Inservice Inspection-Review of Procedures <i>309-4mo - 310</i>			
73053 B	Preservice Inspection-Observation of Work & Work Activities <i>10-90</i>			
73055 B	Preservice Inspection-Data Review and Evaluation <i>20 - 310 + 2 mo</i>			

CONSTRUCTION INSPECTION PROCEDURESSection II

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PROG STATUS %	REPORT NO
30050 B	CP Corporate Management Meeting	CP Issuance	± 1 month	
30051 B	Mgt. Mtg. - Construction Quality Review <i>Annually after CP</i>			
30702 B	Management Meeting - As Needed <i>200 - 300</i>			
30703 B	Management Meeting - Entrance and Exit Interview <i>As Required (AR)</i>			
35020 B	Audit of Applicant's Surveillance of Contractor QA/QC Activities <i>5 mo after Decret - As Required</i>			
35030 B	IE Input to NRR Review of QA Topical Reports <i>As Required</i>			
35060 B	Licensee Mtg. of QA Activities <i>Every 18 months</i>			
35065 B	Procurement, Receiving and Storage <i>Annually after CP</i>			
35100 B	Review of QA Manual (Reference Procedure) <i>As Required</i>			COMPLETED 79-02
36100 B	10 CFR Part 21 Inspection Licensee 2 yrs Constr. Mgr. 2 yrs		70	78-02/10 79-02/10 79-01/50
37055 B	On-site Design Activities <i>Annually</i>			

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRDG STATUS %	REPORT NO
80210 B	Environmental Protection Initial Inspection Pre CP - Annually			
80220 B	Environmental Protection Construction Inspection Annually - 340-24mo			76-05 77-09 78-08 81-02
90712 B	Inoffice Review of Event Reports AR			
92051 B	Extended Construction Delay-Review of QA Implementing Procedures AR			
92053 B	Extended Construction Delay-Observation of Work & Work Activities AR			
92055 B	Extended Construction Delay-Review of Quality Records AR			
92700 B	Licensee Event Followup AR			
92701 B	Followup on Inspector-Identified Problems and Unresolved Items AR		DELETED	
92702 B	Followup on Items of Noncompliance/ Deviations AR			
92703 B	IE Bulletin/Circular/Immediate Action Letter Followup AR			
92704 B	Followup on HQ Requests AR			

Issue Date: 4/1/80

PROCEDURE NUMBER	PROCEDURE TITLE (WINDOW)	CONSTR STATUS %	INSP PRDG STATUS %	REPORT NO
92705 B	Followup on Regional Requests AR			
92706 B	Independent Inspection Effort AR			
92715 B	Review of Part 21 Reports AR			
92716 B	Part 21 Report Followup AR			
93700 B	Inspector Dispatched to Site AR			
93701 B	Followup on Significant Event that Occurs During Inspection AR			
94300 B	Operating License Issuance AR			
94700 B	Participation in ACRS Meetings AR			
94702 B	Participation in NRR/Licensee Meeting AR			