

Iowa Electric Light and Power Company

July 7, 1980  
LDR-80-182

LARRY D. ROOT  
ASSISTANT VICE PRESIDENT  
NUCLEAR GENERATION

Mr. James G. Keppler, Director  
Office of Inspection and Enforcement  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, ILL 60137

Dear Mr. Keppler:

The enclosure to this letter is our response to Items 1, 2a and 3 of IE Bulletin No. 80-11. We intend to follow the schedule included in the enclosure which should allow completion of our response to Item 2b within 180 days of the date of the Bulletin.

If there are any questions, please feel free to contact us.

Very truly yours,

*Larry D. Root*  
Larry D. Root  
Assistant Vice President  
Nuclear Generation

LDR/RFS/mz  
Attachment

- cc: R. Salmon
- D. Arnold
- L. Liu
- S. Tuthill
- J. Van Sickle
- K. Meyer
- D. Mineck
- T. Kevern (NRC)

File: A-101a, BN 80-11 w/dwgs., SPF #60

U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Division of Reactor Operations Inspection  
Washington, D.C. 20555

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INTERIM REPORT

CONCRETE MASONRY WALL DESIGN

FOR

DUANE ARNOLD ENERGY CENTER

IOWA ELECTRIC LIGHT AND POWER COMPANY

(IN RESPONSE TO NRC IE BULLETIN 80-11

DATED MAY 8, 1980)

Prepared by  
Bechtel Associates Professional Corporation  
Ann Arbor, Michigan  
July 3, 1980

## I. INTRODUCTION

This report is in response to NRC IE Bulletin 80-11 dated May 8, 1980, requiring power reactor facilities with an operating license to identify and reevaluate the design adequacy of all masonry walls which are in the proximity to or have attachments from safety-related piping or equipment (items) such that wall failure could affect a safety-related system.

This report submits the information requested in Items 1, 2a, and 3 of NRC IE Bulletin 80-11.

## II. RESPONSE TO ACTION ITEMS

### Item 1

Identify all masonry walls in your facility which are in proximity to or have attachments from safety-related piping or equipment such that wall failure could affect a safety-related system. Describe the systems and equipment, both safety and nonsafety-related, associated with these masonry walls. Include in your review masonry walls that are intended to resist impact or pressurization loads, such as missiles, pipe whip, pipe break, jet impingement, or tornado; fire or water barriers; or shield walls. Equipment to be considered as attachments or in proximity to the walls shall include, but is not limited to, pumps, valves, motors, heat exchangers, cable trays, cable/conduit, HVAC ductwork, and electrical cabinets, instrumentation, and controls. Plant surveys, if necessary, for areas inaccessible during normal plant operation shall be performed at the earliest opportunity.

### Response

A review of all known masonry walls that are in buildings containing safety-related components is underway at the Duane Arnold Energy Center (DAEC) to determine which masonry walls are in the proximity to or have attachments from safety-related piping or equipment. Approximately 446 masonry walls were reviewed at the DAEC. Of these, at least 134 are neither in the proximity to nor have attachments from safety-related piping or equipment, and the remainder are considered to be in proximity to or have attachments from safety-related piping or equipment.

There are 87 masonry walls which have one or both sides inaccessible because of either ALARA or because it is physically impossible to get to the other side (without breaking through the block wall). The analysis for these walls will be based on design drawings or a physical survey performed during the next refueling outage. It is not considered necessary to perform a physical survey of all of these walls unless the analysis shows a high probability of failure.

A plant survey was started on May 23, 1980, and is scheduled to be completed by July 18, 1980. The locations of safety-related masonry walls and safety-related and nonsafety-related items attached to these walls are being verified and recorded by the plant survey.

Plans have been prepared showing the location of those masonry walls which are safety-related or potentially safety-related as established by the survey team. These walls are numbered. The plans are included as Attachment 1.

The block wall configuration at the DAEC, especially in the reactor building, is such that almost every safety-related system is in the proximity to at least one block wall. Therefore, the safety-related systems in the proximity to the masonry block walls will be surveyed and identified only if analyses indicate a potential wall failure.

Attachment 2 provides a list of all of the walls, identifying the safety-related system of the components attached to the wall.

#### Item 2.a

Establish a prioritized program for the reevaluation of the masonry walls. Provide a description of the program and a detailed schedule for completion of the reevaluation for the categories in the program. The completion date of all reevaluations should not be more than 180 days from the date of this bulletin. A higher priority should be placed on the wall reevaluations considering safety-related piping 2-1/2 inches or greater in diameter, piping with support loads due to thermal expansion greater than 100 pounds, safety-related equipment weighing 100 pounds or greater, the safety significance of the potentially affected systems, the overall loads on the wall, and the opportunity for performing plant surveys and, if necessary, modifications in areas otherwise inaccessible. The factors described above are meant to provide guidance in determining what loads may significantly affect the masonry wall analyses.

## Response

A prioritized program for the reevaluation of the masonry walls has been initiated. The second column in Attachment 2 provides the wall priority based on the loading condition on the wall. The prioritized order of review is as follows:

- |            |  |
|------------|--|
| Priority 1 | Masonry walls which support safety-related piping 2-1/2 inches or greater  |
| Priority 2 | Masonry walls which support any safety-related item weighing 100 pounds or more  |
| Priority 3 | Masonry walls which support any nonsafety-related item weighing 100 pounds or more   |
| Priority 4 | Masonry walls which support loads less than 100 pounds, but are in the proximity to or have attachments from safety-related items.                     |
| Priority 5 | Masonry walls which will not have a detailed survey or be reanalyzed because the wall is neither in proximity to nor attached to safety-related items. |

Attachment 3 is a copy of the schedule that is to be followed during the reanalysis of the concrete masonry walls.

## Item 3

Existing test data or conservative assumptions may be used to justify the reevaluation acceptance criteria if the criteria are shown to be conservative and applicable for the actual plant conditions. In the absence of appropriate acceptance criteria, a confirmatory masonry wall test program is required by the NRC in order to quantify the safety margins inherent in the reevaluation criteria. Describe in detail the actions planned and their schedule to justify the reevaluation criteria used in Item 2. If a test program is necessary, provide your commitment for such a program and a schedule for completion of the program. This test program should address all appropriate loads (seismic, tornado, missile, etc). It is expected that the test program will extend beyond the 180-day period allowed for the other bulletin actions. Submit the results of the test program upon its completion.

## Response

Justification for the reevaluation criteria will be submitted with the reevaluation report within 180 days of the date when the bulletin was received. Justification will be based on reference to the FSAR, effective codes, and established standards of practice related to concrete and masonry design.

It is anticipated that such justification will be considered appropriate, and that a test program will not be necessary, except as required to determine project-unique structural properties such as collar joint strength, and any other properties for which data are not available or can not otherwise be determined.

### III. LIST OF ATTACHMENTS

- 1 Drawings showing wall location
- 2 Masonry Wall Survey Summary Sheet
- 3 Milestone Schedule for Concrete Masonry Wall Evaluation

ATTACHMENT 1

LIST OF DRAWINGS  
SHOWING BLOCK WALL LOCATIONS

<u>Drawing Number</u>	<u>Title</u>
C-26	Intake Structure Floor Plan @ El. 754'-0"
C-27	Intake Structure Floor Plan @ El. 767'-0" and Roof
C-200	Turbine Building Foundation Mat Plan @ El. 734'-0" Sh. 1
C-205	Turbine Building Ground Flr. Plan @ El. 757'-6" Sh. 1
C-211	Turbine Building Operating Flr. Plan @ El. 780'-0" Sh. 1
C-275	Turbine Building Misc. Platforms - Sh. 1
C-400	Reactor Building Foundation Mat-Plan Sh. 1
C-401	Reactor Building Foundation Mat-Plan Sh. 2
C-403	Reactor Building Fdn. Mat Sections & Details Sh. 2
C-405	Reactor Building Floor Plan @ El. 757'-6" Sh. 1
C-406	Reactor Building Floor Plan @ El. 757'-6" Sh. 2
C-411	Reactor Building Floor Plan @ El. 786'-0" Sh. 1
C-412	Reactor Building Floor Plan @ El. 786'-0" Sh. 2
C-417	Reactor Building Floor Plan @ El. 812'-0" Sh. 1
C-418	Reactor Building Floor Plan @ El. 812'-0" Sh. 2
C-421	Reactor Building Floor Plan @ El. 812'-0" Sections & Details
C-423	Reactor Building Floor Plan @ El. 833'-6" Sh. 1
C-424	Reactor Building Floor Plan @ El. 833'-6" Sh. 2
C-429	Reactor Building Floor Plan @ El. 855'-0" Sh. 1
C-430	Reactor Building Floor Plan @ El. 855'-0" Sh. 2

Attachment 1 (continued)

<u>Drawing Number</u>	<u>Title</u>
C-436	Reactor Building Elevator Machine Room Plans & Sections
C-446	Reactor Building South Fdn. Wall Elevs. & Sects.
C-540	Reactor Building Misc. Platforms Sh. 1
C-549	Reactor Building Misc. Platforms Sh. 4
C-572	Reactor Building Misc. Concrete & Steel Det's @ El. 786'-0"
C-600	HPCI & RCIC Building Foundation Mat Plan @ El. 716'-9"
C-601	HPCI & RCIC Building Mezzanine Floor - Plan
C-660	Control Building Floor Plan @ El. 757'-6"
C-663	Control Building Floor Plan @ El. 772'-6"
C-664	Control Building Floor Plan @ El. 786'-0"
C-665	Control Building Floor Plan @ El. 800'-4"
C-683	Pump House Fdn. Mat. - El. 761'-0" and El. 757'-6"
C-684	Pump House Conc. Flr. Plans @ El. 761'-0" and 747'-6"
C-688	Pump House Roof and H&V Concrete Slab Plans, Sections & Details



WALL I.D./  
BUILDING

PRIORITY

FUNCTION

ATTACHMENT 2

ATTACHED SAFETY RELATED ITEMS

Intake Structure

C-26-1

Being evaluated

MASONRY WALL SURVEY  
SUMMARY SHEET  
IOWA ELECTRIC LIGHT & POWER CO.  
DUANE ARNOLD ENERGY CENTER

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Intake Structure</u>  C-27-1 C-27-2	4 4	Partition Partition	None None

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<u>Turbine Building</u>			
C-200-1	5	Partition	Not applicable
C-200-2	4	Partition	CAD system
C-200-3	4	Partition	NSSS trip channel, main steam line
C-200-4		Shielding	Being evaluated
C-200-5	5	Shielding	Not applicable
C-200-6	5	Shielding	Not applicable
C-200-7		Partition	Being evaluated
C-200-8		Partition	Being evaluated
C-200-9		Partition	Being evaluated
C-200-10	4	Partition	None
C-200-11	5	Partition	Not applicable
C-200-12	5	Shielding	Not applicable
C-200-13	5	Shielding	Not applicable
C-200-14	5	Shielding	Not applicable
C-200-15	5	Shielding	Not applicable
C-200-16	5	Partition	Not applicable
C-200-17	5	Partition	Not applicable
C-200-18	5	Partition	Not applicable
C-200-19	5	Shielding	Not applicable
C-200-20	5	Shielding	Not applicable
C-200-21	5	Shielding	Not applicable
C-200-22	5	Shielding	Not applicable
C-200-23	5	Partition/firewall	Not applicable
C-200-24	5	Partition/firewall	Not applicable
C-200-25	5	Partition/firewall	Not applicable
C-200-26	5	Shielding	Not applicable
C-200-27	5	Shielding	Not applicable
C-200-28	5	Shielding	Not applicable
C-200-29	5	Shielding	Not applicable
C-200-30	5	Shielding	Not applicable
C-200-31	5	Shielding	Not applicable
C-200-32	5	Partition	Not applicable
C-200-33	5	Shielding	Not applicable
C-200-34	5	Shielding	Not applicable
C-200-35	5	Partition	Not applicable
C-200-36	5	Shielding	Not applicable
C-200-37	5	Shielding	Not applicable
C-200-38	5	Shielding	Not applicable
C-200-39	5	Shielding	Not applicable
C-200-40	5	Shielding	Not applicable
C-200-41	5	Shielding	Not applicable
C-200-42	5	Shielding	Not applicable
C-200-43	5	Shielding	Not applicable

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<u>Turbine Building</u>			
C-205-1	4	Partition	None
C-205-2	4	Partition	None
C-205-3	2	Partition	Diesel electrical system
C-205-4	4	Partition	ESW diesel generator annunciator circuit
C-205-5	4	Partition/bearing	Diesel oil system, diesel room H&V supply fan
C-205-6	4	Partition	Backup fuel supply for 'A' standby diesel generator
C-205-7	2	Partition/bearing	ESW, jacket water expansion tank
C-205-8	1	Partition/firewall	ESW diesel oil, diesel generator system
C-205-9	3	Partition	None
C-205-10	1	Partition	Diesel engine exhaust, ESW, diesel oil system
C-205-11	2	Partition/bearing	Diesel fuel, diesel oil
C-205-12	1	Partition	Diesel oil, ESW, diesel water jacket expansion tank, diesel electrical system
C-205-13	2	Partition	Diesel electrical to oil transfer motor, diesel oil system
C-205-14	2	Partition	Diesel generator system
C-205-15	4	Partition	Electrical instrument cable for diesel oil tank
C-205-16	4	Partition	None
C-205-17	4	Partition	None
C-205-18	2	Partition	Diesel electrical system
C-205-19	2	Partition	Electrical junction box, diesel generator room fan and auxiliary control unit, diesel oil transfer pump
C-205-20	2	Partition	Diesel generator system, lube oil
C-205-21	4	Partition	None
C-205-22		Partition	Being evaluated
C-205-23	5		Not applicable
C-205-24	5		Not applicable
C-205-25	5		Not applicable
C-205-26	5		Not applicable
C-205-27	5		Not applicable
C-205-28	5		Not applicable
C-205-29	5		Not applicable
C-205-30	5		Not applicable
C-205-31	5		Not applicable
C-205-32	5		Not applicable
C-205-33	5		Not applicable
C-205-34	5		Not applicable
C-205-35	5		Not applicable
C-205-36	5		Not applicable
C-205-37	5		Not applicable
C-205-38	5		Not applicable
C-205-39	5		Not applicable
C-205-40	5		Not applicable

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Turbine Building</u>			
C-211-1	5	Shielding	Not applicable
C-211-2	5	Shielding/bearing	Not applicable
C-211-3	5	Partition	Not applicable
C-211-4	5	Partition	Not applicable
C-211-5	5	Shielding	Not applicable
C-211-6	5	Shielding	Not applicable
C-211-7	5	Shielding/bearing	Not applicable
C-211-8	5	Shielding/bearing	Not applicable
C-211-9	5	Shielding	Not applicable
C-211-10	5	Shielding	Not applicable
C-211-11	5	Shielding	Not applicable
C-211-12	5	Shielding	Not applicable
C-211-13	5	Shielding	Not applicable
C-211-14	5	Shielding	Not applicable
C-211-15	5	Shielding/bearing	Not applicable
C-211-16	5	Shielding/bearing	Not applicable
C-211-17	5	Partition	Not applicable
C-211-18	5	Partition	Not applicable
C-211-19	5	Partition	Not applicable
C-211-20	5	Partition	Not applicable
C-211-21	5	Partition	Not applicable
C-211-22	5	Partition	Not applicable
C-211-23	5	Shielding/bearing	Not applicable
C-211-24	5	Shielding	Not applicable
C-211-25	5	Partition	Not applicable
C-211-26		Shielding	Being evaluated
C-211-27		Shielding	Being evaluated
C-211-28	5	Partition	Not applicable
C-211-29		Shielding	Being evaluated
C-211-30	5	Shielding	Not applicable

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<u>Turbine Building</u>			
C-275-1		Missile protection	Diesel jacket water
C-275-2	2	Missile protection	Expansion water tank
C-275-3		Missile protection	Being evaluated
C-275-4		Missile protection	Being evaluated
C-275-5		Missile protection	Being evaluated
C-275-6		Missile protection	Being evaluated
C-275-7	2	Missile protection	Diesel jacket water expansion water tank
C-275-8	4	Missile protection	None
C-275-9		Missile protection	Being evaluated

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<u>Reactor Building</u>  C-400-1 C-400-2 C-400-3 C-400-4 C-400-5 C-400-6	  4    3	Shielding Shielding Shielding Shielding Shielding Shielding	Being evaluated Being evaluated Being evaluated Being evaluated None Being evaluated

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<u>Reactor Building</u>			
C-401-1		Partition	Being evaluated
C-401-2		Partition	Being evaluated
C-401-3	5	Partition	Not applicable
C-401-4	5	Partition	Not applicable
C-401-5	5	Partition	Not applicable
C-401-6	5	Partition	Not applicable
C-401-7	5	Partition	Not applicable
C-401-8	4	Shielding	None

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-403-1 C-403-2 C-403-3 C-403-4 C-403-5 C-403-6 C-403-7 C-403-8 C-403-9 C-403-10 C-403-11	    3 5   5	Partition Partition Partition Partition Partition Partition Partition Partition Partition Partition Partition	Being evaluated Being evaluated Being evaluated None Not applicable Being evaluated Being evaluated Not applicable Being evaluated Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>			
C-405-1	4	Partition/bearing	RHR discharge to floor drain collector tank
C-405-2	2	Partition/bearing	None
C-405-3	4	Shielding	None
C-405-4		Shielding	Being evaluated
C-405-5	2	Partition	Emergency service water (ESW) system, secondary containment
C-405-6	2	Partition	ESW system, secondary containment
C-405-7	2	Partition	Secondary containment
C-405-8	2	Partition/bearing	Containment atmospheric monitoring, secondary containment
C-405-9	2	Partition	Reactor building well water, secondary containment
C-405-10		Shielding	Being evaluated
C-405-11		Shielding	Being evaluated
C-405-12	1	Shielding	Makeup N <sub>2</sub> to air line, liquid N <sub>2</sub> purge unit
C-405-13		Partition/bearing	Being evaluated
C-405-14		Partition	Being evaluated
C-405-15	4	Shielding/bearing	None
C-405-16	4	Shielding	None
C-405-17	4	Shielding/bearing	Being evaluated
C-405-18	4	Shielding	Being evaluated
C-405-19	2	Shielding/bearing	Radiation monitor
C-405-20	4	Shielding	None
C-405-21	4	Shielding	None
C-405-22	4	Shielding	None
C-405-23	4	Shielding	None
C-405-24	4	Shielding	None
C-405-25			Being evaluated
C-405-26			Being evaluated
C-405-27			Being evaluated

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<u>Reactor Building</u>			
C-406-1	4	Shielding	Being evaluated
C-406-2	4	Shielding	Being evaluated
C-406-3		Partition	Being evaluated
C-406-4		Partition	Being evaluated
C-406-5		Partition	Being evaluated
C-406-6	4	Partition	None
C-406-7	2	Partition/bearing	Secondary containment
C-406-8		Partition	Being evaluated
C-406-9		Shielding/bearing	Being evaluated
C-406-10		Shielding/bearing	Being evaluated
C-406-11	4	Shielding	None
C-406-12	4	Shielding	None
C-406-13	4	Shielding	None
C-406-14	4	Shielding	None
C-406-15	4	Shielding	None
C-406-16		Shielding/bearing	Being evaluated
C-406-17		Shielding/bearing	Being evaluated
C-406-18		Shielding	Being evaluated

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<u>Reactor Building</u>			
C-411-1	3	Shielding	Being evaluated
C-411-2	2	Shielding	HVAC chemical laboratory exhaust, ESW system
C-411-3		Shielding	Being evaluated
C-411-4		Partition	Being evaluated
C-411-5		Partition	Being evaluated
C-411-6		Partition	Being evaluated
C-411-7	4	Bearing	None
C-411-8	2	Shielding	ESW, standby gas treatment, control building air compressor
C-411-9		Shielding	Being evaluated
C-411-10	4	Shielding	Standby gas treatment
C-411-11		Shielding	Being evaluated
C-411-12	2	Shielding	Standby gas treatment
C-411-13		Shielding	Being evaluated
C-411-14		Shielding	Being evaluated
C-411-15	1	Shielding/bearing	Core spray pump IP-211
C-411-16	4	Blockout	None
C-411-17		Shielding/bearing	Being evaluated
C-411-18	4	Partition	None
C-411-19	2	Partition	Airlock secondary containment
C-411-20		Shielding	Being evaluated
C-411-21		Shielding	Being evaluated
C-411-22		Shielding	Being evaluated
C-411-23		Shielding	Being evaluated
C-411-24		Shielding	Being evaluated
C-411-25		Shielding	Being evaluated
C-411-26		Shielding	Being evaluated
C-411-26A		Shielding	Being evaluated
C-411-27	3	Partition	None
C-411-28	4	Bearing/partition	Chemical laboratory HVAC exhaust
C-411-29	2	Partition	ESW, airlock, standby gas treatment
C-411-30	4	Partition/bearing	Emergency fan cooling system for control room
C-411-31	4	Partition	None
C-411-32	4	Partition/bearing	None
C-411-33	4	Partition	None
C-411-34	2	Shielding/bearing	Instruments NSSS package
C-411-35	4	Partition	None
C-411-36	4	Shielding	None
C-411-37	4	Shielding	None
C-411-38		Shielding	Being evaluated
C-411-39		Shielding	Being evaluated
C-411-40			Being evaluated
C-411-41			Being evaluated

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<u>Reactor Building</u>			
C-417-1		Partition	Being evaluated
C-417-2	5	Shielding	Not applicable
C-417-3	5	Shielding	Not applicable
C-417-4	5	Shielding	Not applicable
C-417-5	5	Shielding	Not applicable
C-417-6	5	Shielding	Not applicable
C-417-7	5	Shielding	Not applicable
C-417-8	5	Shielding	Not applicable
C-417-9	5	Shielding	Not applicable
C-417-10		Shielding	Being evaluated
C-417-11		Shielding	Being evaluated
C-417-12	5	Partition	Not applicable
C-417-13	5	Partition	Not applicable
C-417-14	5	Partition	Not applicable
C-417-15	5	Partition	Not applicable
C-417-16		Shielding	Being evaluated
C-417-17	2	Shielding	Standby liquid control
C-417-18	1	Shielding	ESW and standby liquid control
C-417-19	1	Partition	Reactor building cooling water ESW
C-417-20	1	Partition	ESW pump discharge, control building chiller system
C-417-21	2	Partition	ESW, control room chiller, and others
C-417-22	2	Partition/missile shielding	Cooling water, vent to flame arrestor off diesels, control room heating system, and plant chilled water system
C-417-23		Shielding	Being evaluated
C-417-24		Shielding	Being evaluated
C-417-25		Shielding	Being evaluated
C-417-26		Partition	Being evaluated
C-417-27	2	Partition	Secondary containment
C-417-28	2	Partition	Secondary containment
C-417-29	2	Partition	Secondary containment
C-417-30	4	Partition	None
C-417-31	4	Shielding/bearing	Nuclear steam supply
C-417-32	4	Shielding/bearing	Containment purge outlet bypass
C-417-33	1	Shielding/bearing	Containment vent purge exhaust, atmospheric controls, reactor well seal drains
C-417-34	4	Shielding/bearing	Reactor vessel containment purge
C-417-35		Shielding/bearing	Being evaluated
C-417-36	5	Shielding	Not applicable
C-417-37	5	Shielding	Not applicable
C-417-38		Shielding	Being evaluated
C-417-39	4	Shielding/bearing	None

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<u>Reactor Building</u>			
C-418-1		Shielding	Being evaluated
C-418-2		Shielding/bearing	Being evaluated
C-418-3		Shielding/bearing	Being evaluated
C-418-4		Shielding/bearing	Being evaluated
C-418-5	5	Partition	Being evaluated
C-418-6		Partition	Being evaluated
C-418-7	5	Partition	Being evaluated
C-418-8	3	Partition	None
C-418-9	4	Shielding/bearing	None
C-418-10	3	Partition	None
C-418-11		Shielding	Being evaluated
C-418-12		Shielding	Being evaluated
C-418-13		Shielding	Being evaluated
C-418-14		Shielding	Being evaluated
C-418-15		Shielding	Being evaluated
C-418-16		Shielding	Being evaluated
C-418-17		Shielding	Being evaluated
C-418-18		Shielding	Being evaluated

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<u>Reactor Building</u>  C-421-1 C-421-2 C-421-3 C-421-4 C-421-5		Shielding Shielding/bearing Shielding Shielding Partition	Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated

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FUNCTION

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Reactor Building

C-423-1	4	Shielding	Being evaluated
C-423-2		Shielding	Being evaluated
C-423-3	2	Shielding	Being evaluated
C-423-4		Shielding	Being evaluated
C-423-5		Partition	Being evaluated
C-423-6		Partition/bearing	Being evaluated
C-423-7		Partition	Being evaluated
C-423-8		Shielding	Being evaluated
C-423-9		Shielding	Being evaluated
C-423-10		Shielding	Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>			
C-424-1		Partition	None
C-424-2		Partition	Being evaluated
C-424-3		Partition	Being evaluated
C-424-4		Partition	Being evaluated
C-424-5	2	Partition	Liquid control system
C-424-6		Partition	Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>			
C-429-1	5	Partition	Not applicable
C-429-2	5	Partition	Not applicable
C-429-3	5	Partition	Not applicable
C-429-4	5	Partition	Not applicable
C-429-5	5	Shielding	Not applicable
C-429-6	5	Shielding	Not applicable
C-429-7	5	Shielding	Not applicable
C-429-8	5	Shielding	Not applicable
C-429-9	5	Shielding	Not applicable

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-430-1 C-430-2 C-430-3 C-430-4 C-430-5 C-430-6 C-430-7 C-430-8 C-430-9 C-430-10 C-430-11 C-430-12 C-430-13 C-430-14	  S S S S S S S S S S S S S	Shielding Shielding Shielding Shielding Shielding Shielding Shielding Partition Partition Partition Partition Partition Partition	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-436-1 C-436-2 C-436-3 C-436-4	5 5 5 5	Partition Partition Partition Partition	Not applicable Not applicable Not applicable Not applicable

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor building</u>  C-446-1 C-446-2		Shielding Shielding	Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-540-1 C-540-2 C-540-3 C-540-4 C-540-5 C-540-6 C-540-7 C-540-8 C-540-9 C-540-10	2	Shielding Shielding Shielding Shielding Shielding Shielding Shielding Shielding Shielding Shielding	Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated ESW return Being evaluated Being evaluated Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-549-1 C-549-2 C-549-3 C-549-4 C-549-5 C-549-6			Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated

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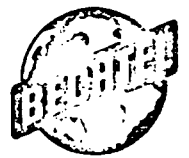
WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Reactor Building</u>  C-572-1 C-572-2			Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>HPCI and RCIC Building</u>  C-600-1 C-600-2	4 4	Shielding Shielding	None None

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>HPCI and RCIC Building</u>  C-601-1 C-601-2 C-601-3	4 4	Shielding Shielding Shielding/bearing	None None Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Control Building</u>			
C-660-1	2	Partition	4,160-V switchgear 1A4
C-660-2		Partition	Being evaluated
C-660-3	4	Partition	None
C-660-4	5	Partition	None
C-660-5	3	Partition	None
C-660-6		Partition	Being evaluated
C-660-7		Partition	Being evaluated
C-660-8		Partition	Being evaluated
C-660-9		Partition	Being evaluated
C-660-10		Partition	Being evaluated
C-660-11			Being evaluated
C-660-12			Being evaluated
C-660-13			Being evaluated
C-660-14			Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Control Building</u>  C-663-1 C-663-2 C-663-3 C-663-4		Partition Partition Partition Shielding	Being evaluated Being evaluated Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Control Building</u>  C-664-1 C-664-2 C-664-3 C-664-4 C-664-5 C-664-6	   3 2	Partition Partition Partition Partition Partition Shielding	Being evaluated Being evaluated None Standby filter unit Being evaluated Being evaluated

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Control Building</u>  C-665-1 C-665-2 C-665-3 C-665-4 C-665-5 C-665-6		Missile protection Partition/bearing Partition/bearing Partition/bearing Partition/bearing Partition/bearing	Being evaluated HVAC standby filter unit SFU 30 control panel Hot water secondary pump LVHP-030A Being evaluated None

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Pumphouse Building</u>  C-683-1 C-683-2 C-683-3 C-683-4	5 5 5 5	Partition/firewall Partition/firewall Partition/firewall Partition/firewall	Not applicable Not applicable Not applicable Not applicable

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WALL I.D./ BUILDING	PRIORITY	FUNCTION	ATTACHED SAFETY RELATED ITEMS
<u>Pumphouse Building</u>			
C-684-1	5	Partition/firewall	Not applicable
C-684-2	5	Partition/firewall	Not applicable
C-684-3	5	Partition/firewall	Not applicable
C-684-4	5	Partition/firewall	Not applicable

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<u>HPCI and RCIC Building</u>  C-688-1 C-688-2 C-688-3 C-688-4 C-688-5 C-688-6 C-688-7	5	Partition/firewall Partition/firewall Partition/firewall Partition/firewall Partition/firewall Partition/firewall Partition/firewall	Not applicable Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated Being evaluated

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ATTACHMENT 3

MILESTONE SCHEDULE  
MASONRY WALL DESIGN REEVALUATION  
RESPONSE TO NRC IE BULLETIN 80-11  
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<u>Activity Description</u>	<u>Start Date</u>	<u>Completion Date</u>
Wall Identification & Office Support To Field Walkdown	-	6-20-80
Field Walkdown	-	7-18-80
Load Identification	-	8-1-80
Wall Evaluation/Analysis	7-7-80	10-10-80
Priority 1	7-7-80	
Priority 2	8-1-80	
Priority 3	8-25-80	
Priority 4	9-15-80	
Interim Report (Items 1, 2a, 3) 60 Day Response	-	7-7-80
Final Report (Item 2b) 180 Day Response	-	11-4-80
Design Revisions	(On hold - unknown at this time)	
Testing Program & Recommendations	(On hold - unknown at this time)	