

General Information or Other (PAR)

Event # 42461

Rep Org: WHITING CORPORATION		Notification Date / Time: 03/31/2006 17:56 (EST)	
Supplier: WHITING CORPORATION		Event Date / Time: 03/30/2006 (CST)	
Last Modification: 04/03/2006			
Region: 3	Docket #:		
City: MONEE	Agreement State: Yes		
County:	License #:		
State: IL			
NRC Notified by: MARK KWASNY	Notifications:	SONIA BURGESS	R3
HQ Ops Officer: JEFF ROTTON		WILLIAM COOK	R1
Emergency Class: NON EMERGENCY		THOMAS DECKER	R2
10 CFR Section:		DALE POWERS	R4
21.21 UNSPECIFIED PARAGRAPH		FRANK GILLESPIE	NRR
		OMID TABATABAI	NRR

**PART 21 - CRANE OVERSTRESS CONDITIONS**

The following is a summary of information provided by the manufacturer via email:

On March 30, 2006, as part of a crane design analyses and study, Whiting Corporation identified two overstress conditions. One is on the Girder End connection of a low head room bridge and one on a single fastener in a main hoist gear case application. It is recommended that the affected cranes at the facilities listed below be restricted to 50% capacity for the over stressed end connection and 50% or 85 % capacity for the suspected over-stressed bolt until such time as the fastener or end connection can be inspected and evaluated or replaced. The following list identifies the facilities where the bridges and trolleys are suspected to be affected by the Whiting Corporation.

Oyster Creek, Three Mile Island, Seabrook

Oconee, McGuire, Shearon Harris, St. Lucie, Catawba

D. C. Cook

Cooper, Waterford, Grand Gulf, San Onofre, Palo Verde, Columbia Generating Station

Whiting Corporation is attempting to contact the customers directly to notify them of this circumstance.

\*\*\* PART 21 UPDATE - CRANE OVERSTRESS CONDITIONS VIA E-MAIL ON 04/03/06 AT 1800 EDT ENTERED BY MACKINNON\*\*\*

The following is a summary update of information provided by the manufacturer via e-mail

IE19

General Information or Other (PAR)

Event # 42461

Indian Point added.

R1DO (Finney), R2DO (Tom Decker), R3DO (Anne Marie Stone), R4DO (Linda Smith), NRR Part 21 (Omid Tabatabai) & NRR Part 21 (Jack Foster) notified via e-mail.

\*\*\*\*\*



# WHITING CORPORATION

26000 Whiting Way • Monee, IL 60449-8060 • (708) 587-2000 • FAX: (708) 587-2001 • [www.whitingcorp.com](http://www.whitingcorp.com)

April 3, 2006

---

Nuclear Regulatory Commission  
USNRC  
Washington, D. C. 20555

Re: Director Office of Inspection & Enforcement  
Reference: 10 CFR 21 Notification of 3/30/06 Rev 1

Dear Director:

This is Revision 1 to the March 30, 2006 notice. In order to comply with the 48 hour notification requirements we proceeded with the information available on 3/30/06. As a result of our ongoing investigation we identified some additional cranes that were impacted. See modified list below. As a convenience we are listing all the impacted units in the following table.

It is recommended that the cranes (see table below) having the suspected over-stressed end connection be restricted to 50% capacity until such time as the specific crane can be inspected and evaluated. Those cranes (see table below) having the suspected over-stressed bolt or base mounting should be restricted to either 50% or 85% of capacity as shown in the table below, until such time as the fastener for the specific crane can be replaced (35% restriction) or the hoist evaluated (50% restriction).

The girder's identified below, are to be inspected as follows and then limited to 50% of rated capacity until such time as the units can be evaluated and/or upgraded. The area to visually inspect, for cracks in the plates or welds, is the end connection and shelf angles. Suspicious visual indications of potential cracks can be further examined by Magnetic Particle testing if warranted. A lack of any visible cracks during visual examination will allow the unit to be placed in operation at the 50% reduced capacity.

The Main Hoists identified below, limited to 85% of rated capacity must have the fasteners checked for tightness prior to operation until such time as the units can be evaluated and/or upgraded. The area of concern on the units limited to 85% is one of the 6 frame (liner) to housing bolts, located on the outboard side of the case slightly forward (the motor pinion shaft would be considered the reverse direction with the output shaft considered the forward direction) and below the center of the output shaft. This bolt should be replaced with a higher strength fastener of an appropriate length for proper engagement. Those units limited to 50% of capacity will require further analysis and evaluation. Please note no reports of field failures or cracks have been reported as of the issuance of this notice. Also of note the first customers have reported back that their follow up examination over the weekend showed no problems or abnormal conditions.

Questions or concerns by crane owners should be addressed beginning Monday 4/4/06 to:  
[whiting-nuclear@whitingcorp.com](mailto:whiting-nuclear@whitingcorp.com)

Please provide the following information with any requests:

1. Customer Name,
2. contact person,
3. title,
4. mailing address,
5. e-mail address,
6. telephone #,
7. Whiting Crane serial #,
8. fax #,
9. date of next scheduled outage,
10. earliest critical lift date,
11. and any specific requests or information you require.

A hot line is also been established beginning Monday at 708-587-2000 ext 2550.

We will reply as soon as possible, upon completing any necessary research and based on the dates of the earliest critical lift.

The following is a list of the cranes that will require a detailed evaluation.

#	Customer - Site - B/M # (Year) - Capacity	Bridge SN	Temp. Capacity	end con.	Base mounting	bolt
1.	Consolidated Edison Co. - Ravenswood #3 - 68496 (1963) - 250/25	8787	50%		✓	
2.	Jersey Central P&L Co. - Oyster Creek - 75880 (1965) - 150/40 Amergen Energy Co. LLC	9291	50%		✓	
3.	Metropolitan Edison Co. - Three Mile Island - 82234 (1968) - 175/25 Amergen Energy Co. LLC	9847	50%		✓	
4.	Consolidated Edison Co. - Indian Point - 82936 (1968) - 175/25	9889	50%		✓	
5.	Duke Power - Oconee - 83384 (1969) - 100/2	9931	50%	✓		
6.	Duke Power - Oconee - 83384 (1969) - 100/2	9932	50%	✓		
7.	Consumers Public Power - Cooper - 83984 (1969) - 175/25 Nebraska Public Power	9977	50%		✓	
8.	Indiana & Michigan Elect. - D.C. Cook - 84696 (1969) - 240	10035	50%		✓	
9.	Jersey Central P&L Co. - Falmouth, PA - 84829 (1969) - 200/40	10045	50%		✓	
10.	Duke Power - McGuire - 60019 (1972) - 125/4	10450	50%	✓		
11.	Duke Power - McGuire - 60019 (1972) - 125/4	10451	50%	✓		
12.	Washington Public Power - Hanford #2 - 61291 (1974) - 200/25	10540	85%			✓
13.	Louisiana Power & Light - Waterford Station - 62827 (1974) - 200/35 Entergy	10707	85%			✓
14.	Westinghouse Elect. - Usina Nuclear - 63210 (1974) - 125/10 Furnas Centrais Electricas, S.A. - DeAngra, Brazil	10745	85%			✓
15.	Carolina Power & Light - Shearon Harris - 64442 (1974) - 215/50	10844	85%			✓
16.	Carolina Power & Light - Shearon Harris - 64442 (1974) - 215/50	10845	85%			✓
17.	Mississippi Power & Light - Grand Gulf - 64602 (1975) - 150 Entergy	10857	50%	✓		✓
18.	Mississippi Power & Light - Grand Gulf - 64602 (1975) - 150 (redundant - 2 hoist cases) Entergy	10858	50%	✓		✓
19.	Public Service of NH - Seabrook - 65579 (1975) - 210/30 North Atlantic Energy Services	10946	85%			✓
20.	Public Service of NH - Seabrook - 65579 (1976) - 210/30 North Atlantic Energy Services	10947	85%			✓
21.	Public Service of NH - Seabrook - 65590 (1976) - 100/15 North Atlantic Energy Services	10948	50%	✓		
22.	Public Service of NH - Seabrook - 65596 (1975) - 100/15 North Atlantic Energy Services	10949	50%	✓		
23.	Florida Power & Light - St. Lucie Plant - 66449 (1975) - 200/35	11026	85%			✓
24.	Southern Cal. Edison - San Onofre - 68292 (1976) - 125/10	11218	50%	✓		
25.	Southern Cal. Edison - San Onofre - 68300 (1976) - 125/10	11219	50%	✓		
26.	Arizona Public Power - Palo Verde - 68474 (1976) - 280/50	11227	50%	✓		
27.	Arizona Public Power - Palo Verde - 68482 (1976) - 280/50	11228	50%	✓		
28.	Arizona Public Power - Palo Verde - 68488 (1976) - 280/50	11229	50%	✓		
29.	Duke Power - Catawba - 68796 (1977) - 125/10	11247	50%	✓		
30.	Duke Power - Catawba - 68803 (1977) - 125/10	11248	50%	✓		
Total		19 Plants	30 Cranes			

We have or are attempting to contact these customers directly to notify them of this circumstance.

If there are any further questions on the part of your regulatory agency please contact us via the above e-mail or phone line.

Respectfully,

*Mark J. Kwasny*

**Mark J. Kwasny**  
**QA Manager - Whiting Corporation**