

Part 21 (PAR)

Event # 52502

Rep Org: C&D TECHNOLOGIES, INC.	Notification Date / Time: 01/20/2017 16:01 (EST)
Supplier: C&D TECHNOLOGIES	Event Date / Time: 11/23/2016 (EST)
	Last Modification: 01/20/2017
Region: 1	Docket #:
City: BLUE BELL	Agreement State: Yes
County:	License #:
State: PA	
NRC Notified by: ARMAND LAUZON	Notifications: SILAS KENNEDY R1DO
HQ Ops Officer: JEFF HERRERA	LADONNA SUGGS R2DO
Emergency Class: NON EMERGENCY	AARON McCRAW R3DO
10 CFR Section:	GREG WERNER R4DO
21.21(a)(2) INTERIM EVAL OF DEVIATION	PART 21/50.55 REACTORS EMAIL
	PART 21 MATERIALS EMAIL

PART 21 - PLASTIC JAR DEDICATION SAMPLING

The following is an excerpt of a part 21 received via email:

"The purpose of this letter is to provide the NRC an interim report in general conformity to the requirements of 10CFR Part 21.21 (a)(2). During an internal audit in November 2016, the sampling plan for dedication of plastic jars used in 1E battery cells was reviewed. Two lot numbers are associated with each plastic jar, a material lot number and a molding number. A material lot may encompass several molding lots. The dedication sampling plan was based on the material lot, and may not have properly sampled variations in critical characteristics generated by molding lots. An analysis of historical data is underway to determine whether any deviations to specifications for critical characteristics may have occurred, and whether these possible deviations could represent a defect as defined by Part 21. C&D expects that this analysis will be completed by March 20, 2017.

The facilities where the components have been supplied are:

Arkansas Nuclear One, Limerick, Beaver Valley, Millstone, Braidwood, Monticello, Browns Ferry, Nine Mile Point, Byron, Oconee, Clinton, Palisades, Columbia, Perry, Cook, Point Beach, Cooper, Prairie Island, Crystal River, River Bend, Diablo Canyon, Robinson, Duane Arnold, Salem, Farley, Sequoyah, Fermi, St. Lucie, Fitzpatrick, Summer, Ft. Calhoun, Susquehanna, Grand Gulf, Three Mile Island, Harris, US Navy, Hatch, Vogtle, Hope Creek, Vermont Yankee, Indian Point, Waterford, Watts Bar, LaSalle

"If you have any questions or wish to discuss this matter or this report, please contact

"Robert Malley
VP Quality and Process Engineering
bmalley@cdtechno.com

IE19
NRR

(215) 619-7830"

C&D TECHNOLOGIES, INC.

P o w e r S o l u t i o n s

1400 Union Meeting Road
Blue Bell, PA 19422
Phone: (215) 619-2700
Fax: (215) 619-7887

January 20, 2017

VIA ELECTRONIC TRANSMISSION
Nuclear Regulatory Commission
Operations Center
hoo.hoc@nrc.gov

VIA OVERNIGHT DELIVERY
US Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2746

Subject: Interim Report – Plastic Jar Dedication Sampling

The purpose of this letter is to provide the NRC an interim report in general conformity to the requirements of 10CFR Part 21.21 (a)(2). During an internal audit in November 2016 the sampling plan for dedication of plastic jars used in 1E battery cells was reviewed. Two lot numbers are associated with each plastic jar, a material lot number and a molding number. A material lot may encompass several molding lots. The dedication sampling plan was based on the material lot, and may not have properly sampled variations in critical characteristics generated by molding lots. An analysis of historical data is underway to determine whether any deviations to specifications for critical characteristics may have occurred, and whether these possible deviations could represent a defect as defined by Part 21. C&D expects that this analysis will be completed by March 20, 2017.

Required information as per 10CFR Part 21.21(d)(4) follows:

- (i) ***Name and Address of the individual or individuals informing the Commission***
Armand Lauzon
Chairman and Chief Executive Officer
C&D Technologies Inc.
1400 Union Meeting Road
Blue Bell, PA 19422-0858
- (ii) ***Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.***

Lead acid batteries Note: C&D has not completed its evaluation of the possible deviation and whether it could pose a substantial safety hazard at any US licensee using such batteries.

- (iii) ***Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect***

C&D Technologies
1400 Union Meeting Road
Blue Bell, PA 19422-0858

(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply

This is an interim report. The evaluation of possible deviation or defect has not been completed. The nature of the possible deviation is that out of specification conditions due to molding run variations may not be detected in dedicated jar lots. The probability of the possible deviation and the risk of a defect is being evaluated based on available data. The critical characteristic being evaluated is dimensional compatibility with mating covers caused by variations in molding runs. The possible defect would be failure of the plastic jar material and subsequent cracking and loss of electrolyte.

(v) The date on which the information of such defect or failure to comply was obtained

November 23, 2016

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured or being manufactured for one or more facilities or activities subject to the regulations in this Part.

Plant	Type	Plant	Type
Arkansas Nuclear One	LCR	Limerick	DCU,KCR,LCR
Beaver Valley	LCY	Millstone	LCR
Braidwood	KCR, LCUN	Monticello	KCR
Browns Ferry	KCR,LCR,LCUN	Nine Mile Point	DCU,LCR
Byron	KCR,LCUN	Oconee	KCR,LCR,LCU,LCY
Clinton	KCR,LCR	Palisades	LCR
Columbia	DCU	Perry	KCR
Cook	DCU,LCR	Point Beach	LCR
Cooper	LCR	Prairie Island	LCR
Crystal River	KCR,LCR	River Bend	DCU
Diablo Canyon	LCR,LCUN	Robinson	KCR
Duane Arnold	DCU,LCR	Salem	KCR,LCR
Farley	DCU,4LCY,LCU	Sequoyah	KCR,LCUN
Fermi	LCR	St. Lucie	LCR,LCY
Fitzpatrick	KCR	Summer	LCR
Ft. Calhoun	LCR	Susquehanna	DCU,KCR,LCR
Grand Gulf	DCU,LCR	Three Mile Island	LCR
Harris	LCR	US Navy	DCU
Hatch	KCR,LCR,LCY	Vogtle	KCR,LCR,LCY
Hope Creek	KCR,LCU	Vermont Yankee	KCR
Indian Point	KCR,LCY	Waterford	LCR,LCUN
KAPL	KCR	Watts Bar	KCR,LCUN
LaSalle	KCR		

(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

This is an interim report; existence of a deviation or defect has not been determined. Corrective actions will be generated on completion of the analysis and reported as appropriate.

- (viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.**

No actions are required at this time by licensees other than the regular inspections of battery conditions are required by C&D I/O manual.

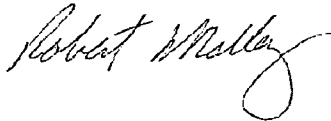
- (ix) In the case of an early site permit, the entities to whom an early site permit was transferred.**

Not applicable

If you have any questions or wish to discuss this matter or this report, please contact

Robert Malley
VP Quality and Process Engineering
rmalley@cdtechno.com
(215) 619-7830

Sincerely,



Robert Malley for

Armand Lauzon Jr.
Chairman and Chief Executive Officer
C&D Technologies

Cc: D. Anderson
R. Malley
S. DiMauro
L. Carson
J. Anderson
J. Link