



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

January 24, 2018

Mr. James M. Welsch, Vice President,
Nuclear Generation and Chief Nuclear Officer
Pacific Gas and Electric Company
Diablo Canyon Power Plant
P.O. Box 56, Mail Code 104/6
Avila Beach, CA 93424

SUBJECT: DIABLO CANYON POWER PLANT, UNITS 1 AND 2 - INSPECTION OF THE
IMPLEMENTATION OF MITIGATION STRATEGIES AND SPENT FUEL POOL
INSTRUMENTATION ORDERS AND EMERGENCY PREPAREDNESS
COMMUNICATION/STAFFING/ MULTI-UNIT DOSE ASSESSMENT PLANS –
INSPECTION REPORT (05000275/2017007 AND 05000323/2017007)

Dear Mr. Welsch:

On December 27, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Diablo Canyon Power Plant, Units 1 and 2. On December 27, 2017, the NRC inspectors discussed the results of this inspection with Mr. C. Murry, Acting Station Director, and other members of your staff. Inspectors documented the results of this inspection in the enclosed inspection report.

The inspection examined activities conducted under your license as they relate to the implementation of mitigation strategies and spent fuel pool instrumentation orders (EA-12-049 and EA-12-051) and Emergency Preparedness Communication, Staffing, and Multi-Unit Dose Assessment Plans, your compliance with the Commission's rules and regulations, and with the conditions of your operating license. Within these areas, the inspection involved examination of selected procedures and records, observation of activities, and interviews with station personnel.

Based on the results of this inspection, no findings of significance were identified.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public

Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Mark S. Haire, Chief,
Project Branch A
Division of Reactor Projects

Docket Nos. 50-275 and 50-323
License Nos. DPR-80 and DPR-82

Enclosure:
Inspection Report 05000275/2017007 and
5000323/2017007
w/ Attachment: Supplemental Information

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**U.S. NUCLEAR REGULATORY COMMISSION
REGION IV**

Docket: 50-275 and 50-323

License: DPR-80 and DPR-82

Report: 05000275/2017007 and 05000323/2017007

Licensee: Pacific Gas and Electric Company

Facility: Diablo Canyon Power Plant, Units 1 and 2

Location: P.O. Box 56, Mail Code 104/6
Avila Beach, CA 93424

Dates: November 13 through December 27, 2017

Inspectors: J. Mateychick, Senior Reactor Inspector (Team Leader)
C. Newport, Senior Resident Inspector
R. Alexander, Senior Project Engineer
E. Uribe, Project Engineer

Approved By: Mark S. Haire Chief, Project Branch A
Division of Reactor Projects

Enclosure

SUMMARY

IR 05000275/2017007; 05000323/2017007; 11/13/2017 – 12/27/2017; Diablo Canyon Power Plant, Units 1 and 2; Temporary Instruction 2515/191, Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans, issued December 23, 2015.

The inspection covered a one week inspection onsite by three inspectors from the Region IV office and one of the assigned resident inspectors. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 5.

A. NRC-Identified and Self-Revealing Findings

None

B. Licensee-Identified Violations

None

REPORT DETAILS

4. Other Activities

4OA5 Other Activities (TI 2515/191)

The objective of Temporary Instruction (TI) 2015/191 “Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans” is to verify that licensees have adequately implemented the mitigation strategies as described in the licensee’s Final Integrated Plan (ADAMS Accession No. ML16221A390) and the NRC’s plant safety evaluation (ADAMS Accession No. ML16349A386) and to verify that the licensee installed reliable water-level measurement instrumentation in their spent fuel pools. The purpose of this TI is also to verify the licensees have implemented Emergency Preparedness (EP) enhancements as described in their site-specific submittals and NRC safety assessments, including multi-unit dose assessment capability and enhancements to ensure that staffing is sufficient and communications can be maintained during such an event.

The inspection verifies that plans for complying with NRC Orders EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (ADAMS Accession No. ML12229A174) and EA-12-051, Order Modifying Licenses With Regard to Reliable Spent Fuel Pool Instrumentation (ADAMS Accession No. ML12056A044) are in place and are being implemented by the licensee. Additionally, the inspection verifies implementation of staffing and communications information provided in response to the March 12, 2012, request for information letter and multiunit dose assessment information provided per COMSECY-13-0010, Schedule and Plans for Tier 2 Order on Emergency Preparedness for Japan Lessons Learned, dated March 27, 2013 (ADAMS Accession No. ML12339A262).

The team discussed the plans and strategies with plant staff, reviewed documentation, and where appropriate, performed plant walkdowns to verify that the strategies could be implemented as stated in the licensee’s submittals and the NRC staff prepared safety evaluation. For most strategies, this included verification that the strategy was feasible, procedures and/or guidance had been developed, training had been provided to plant staff, and required equipment had been identified and staged. Specific details of the team’s inspection activities are described in the following sections.

1. Mitigation Strategies for Beyond-Design-Basis External Events

a. Inspection Scope

The team examined the licensee’s established guidelines and implementing procedures for the beyond-design-basis mitigation strategies. The team assessed how the licensee coordinated and documented the interface/transition between existing off-normal and Emergency Operating Procedures with the newly developed mitigation strategies. The team selected a number of mitigation strategies, conducted plant walkdowns with licensed operators and responsible plant staff, to assess the adequacy and completeness of the procedures; familiarity of operators with the procedure objectives and specific guidance; staging and compatibility of equipment,

and the practicality of the operator actions prescribed by the procedures, consistent with the postulated scenarios.

The team verified that a preventive maintenance program had been established for the FLEX portable equipment and that periodic equipment inventories were in place and being conducted. Additionally, the team examined the introductory and planned periodic/refreshers training provided to the Operations and Fire Protection staffs most likely to be tasked with implementation of the FLEX mitigation strategies. The team also reviewed the introductory and planned periodic training provided to the Emergency Response Organization personnel. Documents reviewed are listed in the attachment.

b. Assessment

Based on samples selected for review, the inspectors verified that the licensee satisfactorily implemented appropriate elements of the FLEX strategy as described in the plant specific submittals and the associated safety evaluation and determined that the licensee is generally in compliance with NRC Order EA-12-049. The inspectors verified that the licensee satisfactorily:

- Developed and issued FLEX Support Guidelines (FSGs) to implement the FLEX strategies for postulated external events;
- Integrated their FSGs into their existing plant procedures such that entry into and departure from the FSGs are clear when using existing plant procedures;
- Protected FLEX equipment from site-specific hazards;
- Developed and implemented adequate testing and maintenance of FLEX equipment to ensure their availability and capability;
- Trained their staff to assure personnel proficiency in the mitigation of beyond-design-basis events; and
- Developed means to ensure that the necessary off-site FLEX equipment will be available from off-site locations.

The inspectors verified that non-compliances with current licensing requirements, and other issues identified during the inspection were entered into the licensee's corrective action program.

c. Findings

No findings identified.

2. Spent Fuel Pool (SFP) Instrumentation

a. Inspection Scope

The team examined the licensee's newly installed spent fuel pool instrumentation. Specifically, the inspectors verified the sensors were installed as described in the plant specific submittals and the associated safety evaluation and that the cabling for the power supplies and the indications for each channel are physically and electrically separated. Additionally, environmental conditions and accessibility of the instruments were evaluated. Documents reviewed are listed in the attachment.

b. Assessment

Based on samples selected for review, the inspectors determined that the licensee satisfactorily installed and established control of the spent fuel pool instrumentation as described in the plant specific submittals and the associated safety evaluation and determined that the licensee is generally in compliance with NRC Order EA-12-051. The inspectors verified that the licensee satisfactorily:

- Installed the SFP instrumentation sensors, cabling, and power supplies to provide physical and electrical separation as described in the plant specific submittal and safety evaluation;
- Installed the SFP instrumentation display in the location, environmental conditions, and accessibility as described in the plant specific submittals; and
- Trained their staff to assure personnel proficiency with the maintenance, testing, and use of the SFP instrumentation.

The inspectors verified that non-compliances with current licensing requirements, and other issues identified during the inspection were entered into the licensee's corrective action program.

c. Findings

No findings identified.

3. Staffing and Communication Request for Information

a. Inspection Scope

Through discussions with plant staff, review of documentation, and plant walkdowns the team verified that the licensee has implemented required changes to staffing, communications equipment, and facilities to support an Extended Loss of All AC Power (ELAP) scenario as described in the licensee's staffing assessment and the NRC safety assessment. The team also verified that the licensee has implemented dose assessment (including releases from spent fuel pools) capability using the licensee's site-specific dose assessment software and approach as described in the licensee's dose assessment submittal. Documents reviewed are listed in the attachment.

b. Assessment

The inspectors reviewed information provided in the licensee's multi-unit dose submittal and in response to the NRC's March 12, 2012, request for information letter and verified that the licensee satisfactorily implemented enhancements pertaining to Near-Term Task Force Recommendation 9.3 response to a large scale natural emergency event that results in an extended loss of all ac power to the site and impedes access to the site.

The inspectors verified the following:

- Licensee satisfactorily implemented required staffing change(s) to support an ELAP scenario;
- Emergency preparedness communications equipment and facilities are sufficient for dealing with an ELAP scenario; and
- Implemented dose assessment capabilities (including releases from spent fuel pools) using the licensee's site-specific dose assessment software and approach.

The inspectors verified that non-compliances with current licensing requirements, and other issues identified during the inspection were entered into the licensee's corrective action program.

c. Findings

No findings identified.

4OA6 Meetings, Including Exit

Exit Meeting Summary

On November 16, 2017, the inspectors presented the on-site inspection results in a management debrief to Mr. H. Hamzehee, Manager Regulatory Services, and other members of the site staff.

The inspectors completed an exit meeting with Mr. C. Murry, Acting Station Director, and other members of the site staff, via telephone on December 27, 2017, who acknowledged the final results of the inspection. The inspectors confirmed that proprietary information was not provided or examined during the inspection.

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

B. Ashbrook, Security and Emergency Services Manager
M. Baker, Engineering Supervisor
T. Baldwin, Business Initiatives Chief
R. Baradaran, Acting Manager, Regulatory Services
J. Brancheau, Operations Shift Forman
K. Bych, Manager, Engineering
A. Chitwood, Operations Shift Manager
C. Christensen, Emergency Preparedness
W. Conklin, FLEX Engineer
D. Esminger, Chief, Fire Department
M. Frauenheim, Process Improvement Manager
F. Gaber, FLEX Program Owner, Arizona Public Service
S. Guess, Manager, Operations
H. Hamzehee, Manager, Regulatory Services
J. Harker, Manager, Maintenance and Technical Training
S. Kirvin, Manager, Security
S. Leke, Nuclear Operator
D. Madson, Acting Compliance Supervisor
S. Maze, Fukushima Program Supervisor
M. McCoy, NRC Interface, Regulatory Services
J. Morris, Regulatory Services Supervisor
C. Murry, Acting Station Director
A. Peck, Engineering Director
D. Phillips, Security Operations Support
G. Reed, Beyond Design Basis Project Manager
B. Simpson, Manager, Operations Training
A. Sorensen, Regulatory Services Engineer
D. Spaulding, Strategic Projects Contractor
D. Ventresca, Security Operations supervisor
R. Waltos, Assistant engineering Director
A. Warwick, Supervisor, Emergency Planning
T. Wernet, Assistant Chief, Fire Department
D. Yoder, FLEX Engineer

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Closed

2515/191

TI

Inspection of the Implementation of Mitigation Strategies
and Spent Fuel Pool Instrumentation Orders and
Emergency Preparedness Communication/Staffing/
Multi-Unit Dose Assessment Plans

LIST OF DOCUMENTS REVIEWED

Calculations

<u>Number</u>	<u>Title</u>	<u>Revision</u>
STA-294	Fukushima Emergency Pump Sizing	3

Drawings

<u>Number</u>	<u>Title</u>	<u>Revision</u>
8920	Model 500F Globe Valve Union Bonnet	AA
347139	Emergency Operations Facility	2
900004146, Sheet 18	FSG 99 Posting OP1.DC23 Control	6/29/2016
900004146, Sheet 19	FSG 99 Posting OP1.DC23 Control	6/29/2016

Miscellaneous Documents

<u>Number</u>	<u>Title</u>	<u>Revision</u>
DCM T-45	Diverse and Flexible Coping Strategies (FLEX)	1
DCM T-45, Appendix A	Strategy S-9, Communications Strategy	1
DN 50813278	FLEX PMCR: EAFW Pumps	10/21/2015
EDT 4*1278	Security Fence NMOD: FLEX RWR Strategy (NMOD 68038941)	7/24/2015
PG&E Letter DCL-15-117	Response to March 12, 2012, NRC 10 CFR 50.54(f) Request for Information Regarding Recommendation 9.3, Resubmittal of Phase 2 Staffing Assessment	10/28/2015
PG&E Letter DCL-16-003	Pacific Gas and Electric Company's Notification of Full Compliance with Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049) for Diablo Canyon Power Plant Unit 1	01/05/2016
PG&E Letter DCL-16-077	Pacific Gas and Electric Company's Notification of Full Compliance with Commission Order Modifying Licenses with Regard to Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049) for Diablo Canyon Power Plant Units 1 and 2	7/28/2016

Miscellaneous Documents

<u>Number</u>	<u>Title</u>	<u>Revision</u>
NEI 12-06	Diverse and Flexible Coping Strategies (FLEX) Implementation Guide	2
NRC Letter ML16349A386	Diablo Canyon Power Plant, Unit Nos. 1 and 2 – Safety Evaluation Regarding Implementation of Mitigating Strategies and Reliable Spent Fuel Pool Instrumentation Related to Orders EA-12-049 and EA-12-051 (CAC Nos. MF0958, MF0959, MF0963, and MF0964)	12/28/2016
	Diablo Canyon Power Plant Beyond Design Basis Validation of the FLEX Time Sensitive Actions Units 1 and 2	4
	Diablo Canyon Power Plant Emergency Plan – Section 5, Organizational Control of Emergencies	4.18
	FLEX Maintenance Plan Frequency Spreadsheet	{None}
		6/02/2016
	FLEX Equipment Status Board (per FS1.ID4), various dates	10/05/2017
		10/16/2017
		10/19/2017
		11/14/2017
	MIDAS Demonstration Report: Combined Accident Runs (DRILL)	11/16/2017
	SAFER Response Plan for Diablo Canyon Power Plant	3
	Operation and Maintenance Manual – STARS Alliance PG&E Fukushima – 150kW	
	Operation and Maintenance Manual – STARS Alliance PG&E Fukushima – 275kW	
	SIMPLEX Infinity 200kW Portable Load Bank	
	EATON Double-Throw Safety Switch	
	Spent Fuel Pool Instrumentation System Westinghouse Standard Product Technical Manual	
	Spent Fuel Pool Instrumentation System Configuration – Unit 1	
	Installation Instructions for Westinghouse Spent Fuel Pool Instrumentation System Equipment Mounting & Termination	
	Installation Instructions for Westinghouse Spent Fuel Pool Instrumentation System Power-Up & Acceptance	

Miscellaneous Documents

<u>Number</u>	<u>Title</u>	<u>Revision</u>
	Testing	
	Spent Fuel Pool Instrumentation System Westinghouse Torque Specification	
	Spent Fuel Pool Instrumentation System Westinghouse Specialty Tools List	
	Spent Fuel Pool Instrumentation System Westinghouse Standard Product Integrated Function Test Procedure	
	Spent Fuel Pool Instrumentation System Westinghouse Calibration Procedure	

Notifications (Corrective Action Program Documents)

50950327*	50950367*	50950415*
50950417*	50950447*	50950592*
50950613*	50950615*	50950624*
50950628*	50950634*	50950673*
50950674*	50950536*	50950575*
50950576*	50950619*	50950675*
50950677*	50937019	50946852
50646319	50880784	50904294
50950628*		

Preventative Maintenance Activities

<u>Number</u>	<u>Title</u>	<u>Revision</u>
WO 64175685-0010	Annual Inspection/Test of Emergency AFW Pump 1	10/13/2017
WO 64175685-0010	Annual Inspection/Test of Emergency AFW Pump 1	10/13/2017
WO 64175685-0020	Annual Inspection/Test of Emergency ASW Pump 1	10/13/2017
WO 64175685-0040	Annual Inspection/Test of Raw Water Pump 1	10/13/2017

Preventative Maintenance Activities

<u>Number</u>	<u>Title</u>	<u>Revision</u>
WO 64175685-0050	Annual Inspection/Test of FLEX 480V Safety Function Support (Distribution Panel) 1	10/12/2017
WO 64175685-0060	Annual Inspection/Test of FLEX 480V Safety Function Support (Distribution Panel) 4	10/12/2017
WO 64175685-0070	Annual Inspection/Test of 275KW FLEX 480V Diesel Generator 1	10/12/2017
WO 64175685-0080	Annual Inspection/Test of 20KW FLEX 120/240V Diesel Driven Generator FDEG5	10/12/2017
WO 64177475-0010	Quarterly Inspection/Test of 275KW FLEX 480V Diesel Generator 2	11/10/2017
WO 64177475-0020	Quarterly Inspection/Test of 150KW FLEX 480V Diesel Generator 3	11/10/2017
WO 64177475-0030	Quarterly Inspection/Test of 20KW FLEX 120/240V Diesel Driven Generator FDEG6	11/09/2017
WO 64177475-0050	Quarterly Inspection/Test of Emergency ASW Pump 2	11/10/2017
WO 64177475-0060	Quarterly Inspection/Test of Raw Water Reservoir Pump 0-2	11/09/2017
WO 64177475-0070	Quarterly Inspection/Test of Emergency AFW Pump 0-2	11/09/2017
WO 64177475-0090	Quarterly Inspection/Test of Portable Diesel Fuel Oil Caddy 0-2	11/06/2017
WO 64181091-0100	6 Month Inspection/Test of Emergency RCS Makeup Pump 0-1	4/20/2017
WO 64181091-0200	6 Month Inspection/Test of Emergency RCS Makeup Pump 0-2	4/20/2017
WO 64181091-0300	6 Month Inspection/Test of Emergency RCS Makeup Pump 0-3	3/13/2017

Procedures

<u>Number</u>	<u>Title</u>	<u>Revision</u>
AD4.ID4	Temporary Storage Process	2
EOP ECA-0.0	Loss of All Vital AC Power (Unit 1)	31
EOP ECA-0.0	Loss of All Vital AC Power (Unit 2)	25
EP R-2	Release of Airborne Radioactive Materials Initial Assessment	34
EP RB-16	Operating Instructions for the EARS Computer Program	14
FS1	FLEX and SFP Instrumentation Program	0
FS1.ID1	FLEX Strategy Management	2

Procedures

<u>Number</u>	<u>Title</u>	<u>Revision</u>
FS1.ID2	Spent Fuel Pool Level Instrumentation Management	1
FS1.ID4	FLEX Equipment Status and Availability	0
FLEX Support Guideline 01	Long Term RCS Inventory Control	0
FLEX Support Guideline 02	Alternate AFW Suction Source	1
FLEX Support Guideline 03 (Unit 1)	Alternate Low Pressure Feedwater	1
FLEX Support Guideline 03 (Unit 2)	Alternate Low Pressure Feedwater	0
FLEX Support Guideline 04 (Unit 1)	ELAP DC Bus Load Shed and Management	1
FLEX Support Guideline 04 (Unit 2)	ELAP DC Bus Load Shed and Management	0
FLEX Support Guideline 05	Initial Assessment and FLEX Equipment Staging	1A
FLEX Support Guideline 08	Alternate RCS Boration	0
FLEX Support Guideline 09	Low Decay Heat Temperature Control	1
FLEX Support Guideline 10 (Unit 1)	Accumulator Isolation	1
FLEX Support Guideline 10 (Unit 2)	Accumulator Isolation	0
FLEX Support Guideline 11	Alternate SFP Makeup and Cooling	1A
FLEX Support Guideline 12	Alternate Containment Cooling	1
FLEX Support Guideline 14 (Unit 1)	Shutdown RCS Makeup	1

Procedures

<u>Number</u>	<u>Title</u>	<u>Revision</u>
FLEX Support Guideline 14 (Unit 2)	Shutdown RCS Makeup	0
FLEX Support Guideline 40	Component Cooling Water Alignment for ELAP	0
FLEX Support Guideline 41	Refill Fire Water Storage Tank with FLEX Equipment	0
FLEX Support Guideline 42	Establishing the FLEX Suction Header Water Supply	1
FLEX Support Guideline 43	Staging FLEX Equipment	1
FLEX Support Guideline 44	Site Debris Removal	1
FLEX Support Guideline 45 (Unit 1)	Supplying Power to SI Accumulator and RHR Valves	1
FLEX Support Guideline 45 (Unit 2)	Supplying Power to SI Accumulator and RHR Valves	0
FLEX Support Guideline 47	Operation of FLEX Communications Equipment	0
FLEX Support Guideline 49 (Unit1)	Align RCS Injection for Inventory / Boration	1
FLEX Support Guideline 49 (Unit2)	Align RCS Injection for Inventory / Boration	0
FLEX Support Guideline 50 (Unit 1)	Align Injection to Normal Charging During Reflux	1
FLEX Support Guideline 50 (Unit 2)	Align Injection to Normal Charging During Reflux	0
FLEX Support Guideline 51	Pacing Emergency ASW Pumps in Service	2
FLEX Support Guideline 54 (Unit 1)	Placing 480V Loads in Service	1
FLEX Support Guideline 54 (Unit 2)	Placing 480V Loads in Service	0

Procedures

<u>Number</u>	<u>Title</u>	<u>Revision</u>
FLEX Support Guideline 56	Supply FLEX 480V Power to Telecommunications Equipment	1
FLEX Support Guideline 57	Fueling FLEX Equipment	1
FLEX Support Guideline 58 (Unit 1)	Preparing 4kV Bus for Service	1
FLEX Support Guideline 58 (Unit 2)	Preparing 4kV Bus for Service	0
FLEX Support Guideline 59 (Unit 1)	Placing 4kV Bus in Service	1
FLEX Support Guideline 59 (Unit 2)	Placing 4kV Bus in Service	0
FLEX Support Guideline 60	Local Manual Operation of 10% Steam Dumps	0
FLEX Support Guideline 61	Restarting Turbine Driven AFW Pump After Overspeed Trip	0
FLEX Support Guideline 62	Local Closing of MSIVs	0
FLEX Support Guideline 63	Establishing Forced FLEX Guidelines	0
FLEX Support Guideline 98	FLEX ERO Guidance for BDB Event Response	Draft - 0
FLEX Support Guideline 99	FLEX Equipment Operating Guides	0
MA1.ID27	Preventive Maintenance Program	3
MP T-BDB-001	BDB Communications Equipment Inventory	0
OP AP SD-1	Loss of AC Power	22
TS3.ID2	Licensing Basis Impact Evaluations	44

Training Documents

<u>Number</u>	<u>Title</u>	<u>Revision</u>
	Enrollment and Completion Report for EQIP-0022	November 13, 2017
	Fire Training FLEX Presentation	{None}
ECTP 1702	ERO Requalification Training on FSGs for ERO-TSC, EOF Leaders, ERO-TSC Engineers, and Emergency Response Unit	2017
EDP 912	FLEX Support Guidelines	{None}
EQIP-0022	Wheel Loader Participant's Guide	{None}
ESP 4Q2012	2012 ESP Continuing Training – Fukushima Project	0
JITTOP 1608	FLEX Equipment Status	0A
MDCT 1502E	Electrical Maintenance Continuing Training 2015	2015
MSCT 1401	Fukushima Design Changes Overview	2014
R151C3	FLEX – The First 24 Hours	0A
R156C6	Licensed Operator Continuing Training – In-Plant Walkdown Package (FLEX)	2015
R161C11	Oasis FLEX Dynamic Learning Activity	0
TU 1443	2014 ESP Continuing Training – Introduction to FLEX Systems	2014

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 REPORT (05000275/2017007 AND 05000323/2017007) DATED JANUARY 24, 2018

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