



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

May 21, 2020

Mr. Cleve Reasoner, Chief Executive Officer
and Chief Nuclear Officer
Wolf Creek Nuclear Operating Corp.
P.O. Box 411
Burlington, KS 66839

**SUBJECT: WOLF CREEK GENERATING STATION – DESIGN BASIS ASSURANCE
INSPECTION (PROGRAMS) INSPECTION REPORT 05000482/2020011**

Dear Mr. Reasoner:

On April 24, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Wolf Creek Generating Station and discussed the results of this inspection with Mr. S. Smith, Vice-President, Engineering, and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding involved a violation of NRC requirements. We are treating this violation as a non-cited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy.

If you contest the violation or the significance or severity of the violation documented in this inspection report, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region IV; the Director, Office of Enforcement; and the NRC Resident Inspector at Wolf Creek Generating Station.

If you disagree with a cross-cutting aspect assignment in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region IV; and the NRC Resident Inspector at Wolf Creek Generating Station.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

Vincent G. Gaddy

Vincent G. Gaddy, Chief
Engineering Branch 1
Division of Reactor Safety

Docket No. 05000482
License No. NPF-42

Enclosure:
As stated

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WOLF CREEK GENERATING STATION – DESIGN BASIS ASSURANCE INSPECTION
(PROGRAMS) INSPECTION REPORT 05000482/2020011 - May 21, 2020

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000482

License Number: NPF-42

Report Number: 05000482/2020011

Enterprise Identifier: I-2020-011-0014

Licensee: Wolf Creek Nuclear Operating Corp.

Facility: Wolf Creek Generating Station

Location: Burlington, KS

Inspection Dates: April 6, 2020 to April 24, 2020

Inspectors: D. Reinert, Reactor Inspector
W. Sifre, Senior Reactor Inspector
F. Thomas, Reactor Inspector

Approved By: Vincent G. Gaddy, Chief
Engineering Branch 1
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a design basis assurance inspection (programs) inspection at Wolf Creek Generating Station, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

Failure to Identify a Condition Adverse to Quality Involving an Overthrust of Valve ENHV0016			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000482/2020011-01 Open	[H.11] - Challenge the Unknown	71111.21N. 02
The inspectors identified a Green finding and associated non-cited violation (NCV) of Title 10 of the <i>Code of Federal Regulations</i> Part 50, Appendix B, Criterion XVI, "Corrective Action," for the licensee's failure to identify a condition adverse to quality involving an overthrust event in excess of the maximum thrust rating of the Limitorque actuator for valve ENHV0016.			

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), regional inspectors were directed to begin telework. The inspection documented below was determined that the objectives and requirements stated in the IP could be completed remotely.

REACTOR SAFETY

71111.21N.02 - Design-Basis Capability of Power-Operated Valves (POVs) Under 10 CFR 50.55a Requirements

POV Review (IP Section 03) (10 Samples)

The inspectors:

- a. Determined whether the sampled POVs are being tested and maintained in accordance with NRC regulations along with the licensee's commitments and/or licensing bases specific guidance
- b. Determined whether the sampled POVs are capable of performing their design-basis functions
- c. Determined whether testing of the sampled POVs is adequate to demonstrate the capability of the POVs to perform their safety functions under design-basis conditions
- d. Evaluated maintenance activities including a walkdown of the sampled POVs (if accessible)

Selected Samples:

- (1) BGHV8160, Letdown System Containment Isolation Valve
- (2) ABPV0001, Steam Generator A Atmospheric Relief Valve
- (3) ABHV0005, Main Steam Loop 2 to Turbine Driven Auxiliary Feedwater Pump
- (4) ABHV0006, Main Steam Loop 3 to Turbine Driven Auxiliary Feedwater Pump
- (5) BBHV8000A, Reactor Coolant System Pressurizer PORV Isolation (Block) Valve
- (6) EFHV0025, A Train Essential Service Water to Service Water Isolation Valve
- (7) EJHV8811A, Containment Recirculation Sump to Residual Heat Removal Pump A
- (8) FCHV0312, Auxiliary Feedwater Pump Trip and Throttle Valve
- (9) BNHV8812B, Refueling Water Storage Tank to Residual Heat Removal Pump Suction Isolation Valve
- (10) EJHV8804A, Residual Heat Removal A to Chemical and Volume Control System Component Cooling Pump Isolation.

INSPECTION RESULTS

Failure to Identify a Condition Adverse to Quality Involving an Overthrust of Valve ENHV0016			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000482/2020011-01 Open	[H.11] - Challenge the Unknown	71111.21N.0 2
<p>The inspectors identified a Green finding and associated non-cited violation (NCV) of Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) Part 50, Appendix B, Criterion XVI, "Corrective Action," for the licensee's failure to identify a condition adverse to quality involving an overthrust event in excess of the maximum thrust rating of the Limitorque actuator for valve ENHV0016.</p> <p><u>Description:</u> Valve ENHV0016 is a 3" Anchor-Darling flexible wedge gate valve with a Limitorque SMB-00 motor actuator. ENHV0016 is normally closed and must open on a containment spray actuation signal to provide a flow path for sodium hydroxide from the containment spray additive tank to the suction of the containment spray pump. On September 29, 2019, following a scheduled actuator replacement during the fall 2019 refueling outage, the valve experienced an overthrust event due to an improperly installed actuator torque switch.</p> <p>The licensee determined that the valve had been subject to a thrust force as high as 37,100 lbs. The licensee assessed the impact of the overthrust event to the Limitorque actuator in Condition Report 136328 using the characteristics for a SMB-0 Limitorque actuator, which was the incorrect actuator size. The basis for the operability conclusion regarding the actuator was a vendor document, Limitorque Maintenance Update 92-1, that allows a one-time overthrust of up to 250 percent of nominal actuator thrust rating. By considering the incorrect model SMB-0 actuator, which has a maximum thrust overload rating of 60,000 lbs., the licensee erroneously concluded that the valve remained operable.</p> <p>The inspectors identified that the actuator is a smaller SMB-00 actuator. Evaluating the correct actuator model, the licensee determined that the maximum load of 37,100 lbs. exceeded the actuator's 35,000 lbs. maximum thrust overload rating. Limitorque states that exceeding the maximum thrust rating can damage the actuator qualification and that an overthrust has the potential to cause damage to thrust related components, such as the housing cover and housing cover bolting area. The vendor document that was the basis for operability determination in September 2019, Limitorque Maintenance Update 92-1, prescribes additional actions including visual inspections, component replacements, or evaluations to be performed if the maximum thrust rating is exceeded.</p> <p>Because the licensee did not identify in September 2019 that they had exceeded the maximum thrust overload rating of the installed SMB-00 actuator, the licensee did not perform either those additional actions or any equivalent evaluations to ensure the operability of the actuator until it was identified by the team during the inspection.</p> <p>Corrective Actions: After the inspectors identified that the maximum thrust overload rating of the actuator for ENHV0016 had been exceeded, the licensee declared the valve inoperable and removed it from service. The licensee performed visual inspections and bolt tightness checks as prescribed in Limitorque Maintenance Update 92-1 and observed no signs of damage or cracks in the actuator housing. Additionally, the licensee obtained</p>			

Limatorque SMB-00 overthrust test data performed by Kalsi Engineering that demonstrated the actuator could remain functional even after being subject to an overthrust force as high as 47,781 lbs. The licensee also generated a work order to replace and overhaul the actuator during the next refueling outage.

Corrective Action References: Condition Report 142119

Performance Assessment:

Performance Deficiency: The licensee's failure to identify that the September 29, 2019, overthrust event had exceeded the maximum allowable one-time thrust overload of the SMB-00 Limatorque actuator was a performance deficiency. By evaluating the incorrect actuator model, the licensee erroneously concluded that valve ENHV0016 remained operable and that no further corrective actions were necessary. If the licensee had appropriately evaluated the SMB-00 actuator, the licensee would have recognized that visual inspections, component replacements, or evaluations were necessary during the refueling outage to ensure that the valve would remain capable of performing its safety function.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the equipment performance attribute of the Mitigating Systems Cornerstone and adversely affected the cornerstone objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, by failing to identify that the maximum thrust overload of the actuator had been exceeded they did not take corrective actions during the outage while the system was already unavailable. Consequently, the licensee had to remove the valve from service and incur additional unplanned system unavailability time to ensure the operability of the system after the condition was identified by the inspectors during the inspection.

Significance: The inspectors assessed the significance of the finding using Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." Using Exhibit 2, "Mitigating Systems Screening Questions," the finding screened as having very low safety significance (Green) because the finding did not represent a loss of operability or functionality; did not represent an actual loss of safety function of the system or train; did not result in the loss of one or more trains of non-technical specification equipment; and did not screen as potentially risk-significant due to seismic, flooding, or severe weather.

Cross-Cutting Aspect: H.11 - Challenge the Unknown: Individuals stop when faced with uncertain conditions. Risks are evaluated and managed before proceeding.

Enforcement:

Violation: Title 10 CFR Part 50, Appendix B, Criterion XVI, "Corrective Action," requires, in part, that measures shall be established to assure that conditions adverse to quality, such as failures, malfunctions, deficiencies, deviations, defective material and equipment, and nonconformances are promptly identified and corrected. Contrary to the above, from September 29, 2019, until April 22, 2020, the licensee failed to establish measures to assure that a condition adverse to quality was promptly identified and corrected. Specifically, the licensee failed to identify that the SMB-00 Limatorque actuator for valve ENHV0016 had been subject to an overthrust event that exceeded its maximum thrust overload rating.

Enforcement Action: This violation is being treated as a non-cited violation, consistent with Section 2.3.2 of the Enforcement Policy.

EXIT MEETINGS AND DEBRIEFS

The inspectors confirmed that proprietary information was controlled to protect from public disclosure.

- On April 24, 2020, the inspectors presented the Design-Basis Capability of Power-Operated Valves inspection results to Mr. S. Smith, Vice-President, Engineering ,and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.21N.02	Calculations	AB-M-016	KVAP Analysis for 4" Air-Operated Pilot Balanced Globe Valves ABHV0005 and ABHV0006 to determine required stem thrust for the valves' operation,	0
		AB-M-020	Determination of the Limiting Line Pressure and Maximum Expected Differential Pressure (MEDP) for 4" Air-Operated Pilot Balanced Globe Valves ABHV0005 and ABHV0006	0
		AB-M-020	Determination of the Limiting Line Pressure and Maximum Expected Differential Pressure (MEDP) for 4" Air-Operated Pilot Balanced Globe Valves ABHV0005 and ABHV0006	0
		AB-M-023	Determination of the Limiting Line Pressure and Maximum Expected Differential Pressure (MEDP) for 8" Air-Operated Globe Valves ABPV0001 thru 4	0
		BB-M-004	BBHV8000A/B MOV Bounding Pressure Conditions Determination	3
		BB-M-006	Thrust/Torque Calculation for BBHV8000A and BBHV8000B	6
		BG-M-026	KVAP Valve Thrust Analysis for 3" Air-Operated Globe Valves (AOV) BGHV8152 and BGHV8160	2
		BG-M-041	Determination of the Limiting Line Pressure and Maximum Expected Differential Pressure (MEDP) for 3" Air-Operated Globe Valves BGHV8152 and BGHV8160	0
		BN-M-011	Thrust/Torque Calculation for BNHV8812A and BNHV8812B	8
		BN-M-012	BNHV8812A/B MOV Bounding Pressure Conditions Determination	5
		EF-M-020	Torque Calculation for EFHV0037 and EFHV0038	2
		EF-M-025-000-CNOOI	CCP 07416 REPLACES the existing JAMESBURY 30" Butterfly Valves with CRANE Butterfly Valves. This calculation evaluates the suitability of the CRANE	12/13/2005
		EJ-M-007	EJHV8804A/B MOV Bounding Pressure Conditions	2

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		EJ-M-009	EJHV8811A/B MOV Bounding Pressure Conditions Determination	3
		EJ-M-013	Thrust/ Torque C lculatation for EJHV88 I IA and EJHV88 I IB	5
		EJ-M-015	Thrust/Torque Calculation For EJHV8804A and EJHV8804B	5
		EJ-M-015-CN001	Enhance Actuator Output Capacity Via a Gear Modification for MOV EJHV9904B	01/30/2018
		FC-M-001	FC-HV-0312 Motor Operated Valve Bounding Conditions Determination	1
		KA-03-W	KA System Back-Up Nitrogen Accumulators Capacity Calculation	04
		Corrective Action Documents		
		CR 00100188, CR 00102932, CR 00108858, CR 00109603, CR 00113061, CR 00118719, CR 00118720, CR 00121822, CR 00134071, CR 00139894, CR 00140707, CR 00028059, CR 00056643, CR 00116489, CR 00116786, CR 00121846, CR 00129536, CR 00136203, CR 00092412, CR 00121915, CR 00093264, CR 00140834,		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		CR 00118615, CR 00119845, CR 00124924, CR 00129219, CR 00131467, CR 00131500, CR 00093413, CR 00101570, CR 00124921, CR 00131578, CR 00132933, CR 00132934, CR 00135085, CR 00135321, CR 00137012, CR 00137074, CR 00137187, CR 00137426, CR 00092506, CR 00098261, CR 00116357, CR 00112876, CR 00093143, CR 00094183, CR 00110041 CR 00122562, CR 00125053, CR 00131418, CR 00136707, CR 00136708, CR 00077667, CR 00099535, CR 00108088, CR 00112083, CR		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		00117699, CR 00123450, CR 00123689, CR 00124586, CR 00136341, CR 00100941, CR 00101570, CR 00113201, CR 00093562, CR 00094801, CR 00100941, CR 00112248, CR 00124709, CR 00132041, CR 00132042, CR 00096738, CR 00140834, CR 00075821, CR 00103147, CR 00140936, CR 00066911, CR 00088527, CR 00130424, CR 00078201, CR 00070646, CR 00078201, CR 00112597, CR 00112597, CR 00117159, CR 00128977, CR 00078202, CR 00090385, CR 00112598, CR 00120102, CR		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		00129306, CR 00140707, CR 00136328		
		CR 00140707, CR 00141886, CR 00141888, CR 00142119, CR 00142156		
	Corrective Action Documents Resulting from Inspection			
	Drawings	E-138839	Schematic Diagram Pressurizer Relief Isolation Valves	09
		E-13BN03A	Schematic Diagram Refueling Water Storage Tank TO RHR Pump MOV.	11
		E-13EF02	Schematic Diagram ESW to SW System Isolation Valves	5
		E-13EF06A	Schematic Diagram - ESW to Ultimate Heat Sink Isolation Valves	5
		E-13EG07A	Schematic Diagram Component Cooling Water Supply to Residual Heat Removal Heat Exchanger (CEGHV_0,1=02)	3
		E-13EJ06A	SCHEMATIC DIAGRAM SUMP TO NO. 1 RESIDUAL HEAT REMOVAL PUMP	9
		E-13FC23	Auxiliary Feedwater Pump Turbine Trip & Throttle Valve	15
		J-601-00123	Valve Regulator for ABHV006 Replaced per CCP Without Gauge	W13
		M-12AB01	P&ID - Main Steam System	16
		M-12AB02	P&ID Main Steam System	15
		M-12BB02	P&ID-Reactor Coolant System	31
		M-12BG01	P&ID Chemical and Volume Control System	24
		M-12EF01	P&ID Essential Service Water System	29
		M-12eJ01	P&ID Residual Heat Removal System	55
		M-12EJ01	P&ID Residual Heat Removal System	55
		M-13BG22	Piping Isometric, CVCs-Letdown Reactor Building	19
		M-724-02011	Internal Wiring Diagram Westinghouse Motor Operated Valve Limit Close With Positive Close Indication	0
	Engineering	011337	Relocate Instrumentation Package from the Atmospheric	6

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Changes		Relief Valves ABPV0001 thru 0004	
		011924	EJHV8811A AND EJHV8811B MOV Margin Evaluation	1
		BN-M-011-008-CN001	Enhances actuator output capacity via a gearing modification for MOVs BNHV8812A and BNHV8812B.	01/30/2018
	Miscellaneous		EQSD-II Environmental Qualification Program Master List (Table 1) Plus Mild Environment SR Electrical Equipment List (Table 2)	32
		BWROG-TP-09-005	Inspection of Motor Operated Valve Limitorque AC Motors with Magnesium Rotors	0
		E-025-00003	Limitorque Design Information	W13
		E-02s=00025	IM Butterfly Application Guide	W01
		ER-5.0	Equipment Inaccuracy Summary for Motor Operated Valves	27
		ET 00-0022	Docket No. 50-482: Clarification to Closeout Response to Generic Letter 96-05 -Wolf Creek Generating Station (TAC No. M97120)	08/18/2000
		ET 96-0093	Docket No. 50-482: Sixty Day Response to Generic Letter 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves"	11/13/1996
		ET 97-0024	Docket No. 50-482: 180 Day Response to Generic Letter 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves"	03/17/1997
		ET 98-0036	Docket No. 50-482: Additional Response to GL 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves"	04/29/1998
		J-601A	Technical Specification for Nuclear Service Control Valves - Wolf Creek Nuclear Operation Corporation	20
		M-724-00236-W04	Globe Valves, Westinghouse Electric Corporation	1W
		MPR-2524-A	Joint Owners' Group (JOG) Motor Operated Valve Periodic Verification Program Summary	November 2006
		PQE-E-035-P01	Plant Qualification Evaluation of Electrical Equipment	1
		SA-2020-0153	Self Assessment - Power Operated Valves (POVs)	April 1, 2020
		SAP-05-57	Wolf Creek Generating Station Valve Factors for Valve	10/28/2005

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Location 8811A and 8811B	
		TSA 20698-000	Wolf Creek Generating Station Motor Operated Valve Thrust Information	08/26/1991
		WCAP 13097	System Operating Basis for Motor-Operated Valves	0
		WO 99-0060	Docket No. 50-482: Response to Request for Additional Information Regarding Generic Letter 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves"	07/14/1999
	Procedures	AI 20E-004	Processing and Maintaining Incoming Operating Experience	1
		AI 23D-002	Motor Operated Valve Calculation Program	3
		AI 23D-003	MOV Trending and Periodic Verification Program	3
		AI 23D-004	Valve Maximum Expected Differential Pressure Determination	0
		AI 23N-001	Air Operated Valve Categorization	4
		AI 23N-004	AOV Setpoint Control	2
		AI 28A-010	Screening Condition Reports	32
		AP 20E-001	Industry Operating Experience Program	31
		AP 23D-001	Motor Operated Valve Program	4
		AP 26A-001	Reportable Events - Evaluation and Documentation	22
		AP 28A-100	Corrective Action Program	25
		INC S-0020	Air Operated Valve (AOV) Diagnostic Testing	6
		MGE EOOP-05	Insulation Resistance Testing	26
		MGE LT-008	Routine Electrical Limitorque Operator Maintenance	8A
		MGE LT-099	MOV Diagnostic Testing	14
		MGE TL-001	Wiring Termination and Lug/Connector Installation	26
		MPM LT-001	Limitorque Operator Minor Maintenance, Lubrication, and Inspection	15
		STN PE-068	Periodic Testing of Air Operated Valves	0
		STS PE-007	Periodic Verification of Motor Operated Valves	5A
		08-310207-009, 08-310207-010, 11-345972-000,		
	Work Orders			

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		11-345972-001, 11-345972-005, 11-345972-008, 12-359243-000, 15-406198-000, 15-406198-001, 16-411560-000, 17-428007-001, 18-438625-000, 04-259633-000, 12-359487-000, 15-406377-000, 18-441533-000, 18-441835-000, 07-291772-000, 11-344250-000, 13-376705-000, 13-376705-002, 15-406426-000, 15-406427-000, 18-441480-000, 08-313066-000, 14-392809-000, 16-412226-000, 16-417309-000, 18-436916-000, 18-441116-000, 18-441116-001, 14-385818-000, 14-395403-000, 14-395403-000, 16-413949-000, 17-433581-000, 19-451139-000,		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		18-441449-000, 18-441121-018, 1'3-441121-000, 19-455526-000, 11-343497-000, 12-359637-000, 13-376741-000, 15-406545-000, 18-441509-000, 13-376745-000, 09-322159-001, 15-401832-043, 15...406549-000, 16-420882-000, 18-441531-000, 04-260056-000, 11-341816-000, 12-360692-000, 12-360692-002, 4-387530-000, 15-408729-000, 17-427448-000, 18-444853-000, 15-406571-000, 16-410863-000, 15-406571-001, 17-426105-003, 19-448747-000, 18-445367-011, 18-445367-001, 18-445367-000, 14-383865-000, 15-407954-000, 16-416704-000,		

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		18-438164-000, 18-442044-000, 15-407954-000, 16-416704-000, 18-438164-000, 18-442044-000, 09-322378-003, 09-322907-006, 15-398253-002, 13-365790-002, 15-403884-003, 18-444873-002, 09-322159-006, 13-376745-002, 15-401832-039, 15-406549-001, 16-420882-005, 18-441531-001, 15-406571-005, 16-410863-001, 7-426105-005, 18-445367-005, 19-448747-001, 11-346379-030, 14-389217-000, 15-403052-000, 17-429433-000, 18-441457-000, 07-294624-000, 05-272026-000, 07-294386-000, 06-291397-002, 06-291397-000. 08-305414-000,		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		08-308675-000, 11-343296-000, 11-338112-000, 12-356099-000, 14-383600-000, 14-388921-000, 15-405072-000, 18-444284-000, 18-442056-000, 11-346686-000, 13-365790-000, 14-392810-000, 5-403884-000, 17-424277-000, 18-444873-000, 09-322907-000, 10-323794-000, 13-366745-000, 15-398253-000, 10-333138-001, 10-335908-000, 11-337505-000. 3-366743-000, 13-366744-000, 19-449238-000, 05-275912-000, 05-275913-000, 06-290435-000, 07-301283-001, 11-344916-000, 12-356709-000, 15-400731-000, 17-427382-000, 18-438185-000.		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		18-447586-000, 05-275912-000, 07-301279-001, 11-337987-001, 1-345510-000, 12-356710-000, 14-396150-000, I 7-427381-000, 17-433434-002, 96-109965-001, 20-462446-001		