



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

November 8, 2022

Mr. Rod Penfield  
Site Vice President  
Energy Harbor Nuclear Corp.  
Perry Nuclear Power Plant  
10 Center Road, P.O. Box 97  
Perry, OH 44081

SUBJECT: PERRY NUCLEAR POWER PLANT – INTEGRATED INSPECTION REPORT  
05000440/2022003

Dear Mr. Penfield:

On September 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Perry Nuclear Power Plant. On October 26, 2022, the NRC inspectors discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

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,

A handwritten signature in cursive script that reads "Billy C. Dickson, Jr.".

Signed by Dickson, Billy  
on 11/08/22

Billy C. Dickson, Jr., Chief  
Reactor Projects Branch 2  
Division of Operating Reactor Safety

Docket No. 05000440  
License No. NPF-58

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV

Letter to Rod Penfield from Billy C. Dickson, Jr. dated November 8, 2022.

SUBJECT: PERRY NUCLEAR POWER PLANT – INTEGRATED INSPECTION REPORT  
05000440/2022003

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**U.S. NUCLEAR REGULATORY COMMISSION  
Inspection Report**

Docket Number: 05000440

License Number: NPF-58

Report Number: 05000440/2022003

Enterprise Identifier: I-2022-003-0051

Licensee: Energy Harbor Nuclear Corp.

Facility: Perry Nuclear Power Plant

Location: Perry, OH

Inspection Dates: July 01, 2022 to September 30, 2022

Inspectors: V. Myers, Senior Health Physicist  
T. Ospino, Resident Inspector  
J. Steffes, Senior Resident Inspector

Approved By: Billy C. Dickson, Jr., Chief  
Reactor Projects Branch 2  
Division of Operating Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at Perry Nuclear Power Plant, 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**

No findings or violations of more than minor significance were identified.

### **Additional Tracking Items**

None.

## PLANT STATUS

The plant began the inspection period at full power. On August 8, 2022, reactor power was lowered to 46 percent to facilitate work on the "C" hotwell pump suction strainer due to indications of degrading performance. The Unit was returned to full power on August 9, 2022. On August 20, 2022, reactor power was lowered to 47 percent to facilitate work on the "A" hotwell pump suction strainer due to similar indications of degrading performance. The Unit was returned to full power on August 22, 2022. On September 17, 2022, reactor power was lowered to 63 percent to perform rod sequence exchange. The Unit was restored to full power on September 23, 2022. On September 24, 2022, reactor power was lowered to 76 percent to perform rod pattern adjustment. The Unit was returned to full power operations on September 25, 2022. The Unit remained at or near full power for the remainder of the inspection period with several exceptions. Specifically, on several occasions, power was reduced between 1 and 16 percent ranging from a few hours to several days due to environmental conditions.

## 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 performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. 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.

## REACTOR SAFETY

### 71111.01 - Adverse Weather Protection

#### Seasonal Extreme Weather Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated summer readiness for seasonal extreme weather conditions prior to the onset of hot weather on July 5, 2022

### 71111.04 - Equipment Alignment

#### Partial Walkdown Sample (IP Section 03.01) (3 Samples)

The inspectors evaluated system configurations during partial walkdowns of the following systems/trains:

- (1) Division 2 diesel generator on August 18, 2022
- (2) Division 1 diesel generator on August 23, 2022
- (3) Residual heat removal "C" system on August 31, 2022

#### Complete Walkdown Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated system configurations during a complete walkdown of the reactor core isolation system on August 12 to September 23, 2022

#### 71111.05 - Fire Protection

##### Fire Area Walkdown and Inspection Sample (IP Section 03.01) (5 Samples)

The inspectors evaluated the implementation of the fire protection program by conducting a walkdown and performing a review to verify program compliance, equipment functionality, material condition, and operational readiness of the following fire areas:

- (1) Unit 1 Division 2 cable spreading, 125-volt direct current distribution and battery rooms, 638' elevation on July 6, 2022
- (2) Unit 1 Division 1 cable spreading room, 638' elevation on July 29, 2022
- (3) Auxiliary building, 599' elevation on August 11, 2022
- (4) Emergency diesel generator-1 room on September 6, 2022
- (5) Unit 2 switchgear, 620' elevation on September 7, 2022

#### 71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

##### Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

- (1) The inspectors observed and evaluated licensed operator performance in the Control Room during power reduction for work on the "C" hotwell pump suction strainer on August 8, 2022

##### Licensed Operator Requalification Training/Examinations (IP Section 03.02) (2 Samples)

- (1) The inspectors observed and evaluated licensed crew performance in the simulator on August 1, 2022
- (2) The inspectors observed and evaluated licensed crew performance in the simulator on August 8, 2022

#### 71111.12 - Maintenance Effectiveness

##### Maintenance Effectiveness (IP Section 03.01) (1 Sample)

The inspectors evaluated the effectiveness of maintenance to ensure the following structures, systems, and components (SSCs) remain capable of performing their intended function:

- (1) "A" reactor water cleanup pump leak into the nuclear closed cooling system on August 3, 2022

#### 71111.13 - Maintenance Risk Assessments and Emergent Work Control

##### Risk Assessment and Management Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) Emergent work related to fire protection jockey pump continuous running, as documented in Condition Report (CR) 2022-05084 on July 7, 2022
- (2) Emergent work related to the Division 1 diesel generator fuel oil leak, as documented in CR 2022-05733 on July 23, 2022
- (3) Emergent work on "B" residual heat removal system on July 29, 2022
- (4) Plant risk assessment while unit 2 startup transformer disconnected from Division 2 emergency bus for maintenance on August 11, 2022

#### 71111.15 - Operability Determinations and Functionality Assessments

##### Operability Determination or Functionality Assessment (IP Section 03.01) (3 Samples)

The inspectors evaluated the licensee's justifications and actions associated with the following operability determinations and functionality assessments:

- (1) Division 1 diesel generator fuel oil leak on July 23, 2022
- (2) Drywell unidentified leakage increase due to shift in drywell cooling trains, as documented in CR 2022-06077
- (3) Hydraulic oil spill into the suppression pool, as documented in CR 2022-07165

#### 71111.18 - Plant Modifications

##### Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (1 Sample)

The inspectors evaluated the following temporary configuration change to the facility:

- (1) Review of the disconnect linear velocity transducer on B33 flow control valve "A" ECP on September 13-26, 2022

#### 71111.19 - Post-Maintenance Testing

##### Post-Maintenance Test Sample (IP Section 03.01) (2 Samples)

The inspectors evaluated the following post-maintenance testing activities to verify system operability and/or functionality:

- (1) Direct current bus supply breaker D1A05 replacement from July 15 to August 2, 2022
- (2) Rod control and information system amplifier card BJM-32 replacement on September 12, 2022

#### 71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance testing activities to verify system operability and/or functionality:

##### Surveillance Tests (other) (IP Section 03.01) (4 Samples)

- (1) Rod control system on June 25, 2022
- (2) Automatic depressurization system "A" air storage tank pressure calibration on July 12, 2022
- (3) Residual heat removal heat exchangers "B" testing review on August 30, 2022
- (4) Instrument air valve operability test in accordance with work order 200814641 on August 15, 2022

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) "A" emergency service water system on August 15, 2022

71114.06 - Drill Evaluation

Select Emergency Preparedness Drills and/or Training for Observation (IP Section 03.01) (1 Sample)

- (1) Hostile Action Base drill on September 27, 2022

**RADIATION SAFETY**

71124.08 - Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation

Radioactive Material Storage (IP Section 03.01) (2 Samples)

The inspectors evaluated the licensee's performance in controlling, labeling and securing radioactive materials in the following areas:

- (1) Waste abatement and reclamation facility
- (2) On-site storage area

Radioactive Waste System Walkdown (IP Section 03.02) (2 Samples)

The inspectors walked down the following accessible portions of the solid radioactive waste systems and evaluated system configuration and functionality:

- (1) Avantech processing equipment
- (2) Resin liner filling and dewatering equipment

Waste Characterization and Classification (IP Section 03.03) (2 Samples)

The inspectors evaluated the following characterization and classification of radioactive waste:

- (1) Condensate backwash
- (2) Spent resin

Shipping Records (IP Section 03.05) (3 Samples)



The inspectors evaluated the following non-excepted radioactive material shipments through a record review:

- (1) 22-1024; Condensate backwash as LSA-II
- (2) 22-1023; Spent resin as LSA-II
- (3) 21-1011; Dry active waste as LSA-II

## **OTHER ACTIVITIES – BASELINE**

### 71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

#### MS05: Safety System Functional Failures (SSFFs) Sample (IP Section 02.04) (1 Sample)

- (1) Unit 1 (April 1, 2022 through March 31, 2022)

#### MS06: Emergency AC Power Systems (IP Section 02.05) (1 Sample)

- (1) Unit 1 (April 1, 2022 through March 31, 2022)

#### MS07: High Pressure Injection Systems (IP Section 02.06) (1 Sample)

- (1) Unit 1 (April 1, 2022 through March 31, 2022)

#### BI01: Reactor Coolant System (RCS) Specific Activity Sample (IP Section 02.10) (1 Sample)

- (1) Unit 1 (October 1, 2021 through June 30, 2022)

#### OR01: Occupational Exposure Control Effectiveness Sample (IP Section 02.15) (1 Sample)

- (1) October 1, 2021 through June 30, 2022

#### PR01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual Radiological Effluent Occurrences (RETS/ODCM) Radiological Effluent Occurrences Sample (IP Section 02.16) (1 Sample)

- (1) October 1, 2021 through June 30, 2022

### 71152A - Annual Follow-Up Problem Identification and Resolution

#### Annual Follow-Up of Selected Issues (Section 03.03) (1 Sample)

The inspectors reviewed the licensee's implementation of its corrective action program related to the following issues:

- (1) Reactor recirculation bi-stable events between September 12, 2021 to September 12, 2022

71152S - Semiannual Trend Problem Identification and Resolution

Semiannual Trend Review (Section 03.02) (1 Sample)

- (1) Jockey fire pump challenges on July 8, 2022

**INSPECTION RESULTS**

Observation: Reactor Recirculation Bi-Stable Events	71152A
<p>During the corrective action program review, the inspectors noted nine bi-stable events recorded from May 18, 2022, to August 31, 2022. A bi-stable event results from oscillations in reactor core flow which cause power changes absent operator demand. The inspectors' review identified three primary power monitors affected by the bi-stable events; average power range monitors "A," "D," and "E." The inspectors reviewed licensee actions, procedural requirements, and decisions to ensure operational bias did not translate into misdiagnosed unplanned power changes. The inspectors discussed with licensee management the conditions surrounding each instance to gain a better understanding of the events, the licensee's implementation of IOI-3, "Power Changes," Attachment 2, which was used to process bi-stable events and challenged licensee conclusions not to enter ONI-C51, "Unplanned Change in Reactor Power or Reactivity," which directs licensee action during associated events.</p> <p>Following review, the inspectors concluded that the power changes were localized to singular average power range monitors and because changes in flow due to recirculation pump changes or flow control valves were not observed, the changes in power were likely the result of bi-stable events. The inspectors reviewed the licensee's event analysis and engaged staff to understand better the drivers behind bi-stable events and licensee actions to address the issue. The inspectors determined that two likely contributors existed associated with the bi-stable events. Firstly, complex and complicated thermo-hydraulic interactions in the core late in core life due to fuel burnup and the position of jet pumps that create vortex flow anomalies could reasonably account for the observed phenomenon. At the end of the inspection period, the inspectors continued to follow the issue disposition and committed to monitoring for any further changes. The inspectors did not identify any findings or violations associated with this review.</p>	

Observation: Fire Protection System	71152S
<p>The inspectors performed a semiannual trend review of the licensee's corrective action program for the first and second quarters of 2022. The inspectors noted an increasing trend in issues associated with the fire protection systems, specifically the jockey fire pump. Based upon their initial review and to better inform their inspection results, the inspectors expanded their scope to include issues noted in late 2021. The inspectors focused on equipment performance, maintenance practices, and issue resolution. The inspectors reviewed multiple conditions reports (CRs) associated with the jockey fire pump, including, but not limited to, CR 2021-05505, "Jockey Fire Pump Degraded Cycle Times," CR 2021-09579, "Jockey Fire Pump Has Increased Run Time Indication Possible of Reduced Capability," CR 2022-01447, "Jockey Fire Pump Tripped," CR 2022-05084, and "Jockey Fire Pump Continuously Running."</p> <p>The inspectors concluded that the licensee had addressed each corrective action program instance of degraded performance associated with the jockey fire pump. The inspectors</p>	

further noted challenges to overall fire protection system performance associated with the diesel fire pump, the motor-driven fire pump, the system's discharge check valve performance, and system leaks. The inspectors were concerned that challenges to overall system health and degraded components could present unidentified challenges to jockey fire pump functionality and performance. The inspectors raised their concerns with licensee management, who agreed that unidentified trends in system performance and system integrated response could contribute to degrading system health and challenge response to on-site fires. The inspectors noted that the licensee took action to holistically review system health and created an action plan to address system and component performance. The inspectors continued to follow licensee action to address the issues through the end of the quarter. The inspectors did not identify any findings or violations associated with this review.

## **EXIT MEETINGS AND DEBRIEFS**

The inspectors verified no proprietary information was retained or documented in this report.

- On October 26, 2022, the inspectors presented the integrated inspection results to Mr. R. Penfield, Site Vice President, and other members of the licensee staff.
- On September 15, 2022, the inspectors presented the radiation protection inspection results to Mr. C. Elliott, General Plant Manager, and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.01	Miscellaneous	Summer list	Summer Work List 01/01/2022 – 07/01/2022	7/5/2022
71111.04	Procedures	SOI-E12	Residual Heat Removal System	8/31/2022
		VLI-E12	Valve Lineup Instruction - Residual Heat Removal System	8/31/2022
		VLI-R44	Division 1 and 2 Diesel Generator Starting Air System	6
		VLI-R44/E22B	Division 3 Diesel Generator Starting Air System	10
		VLI-R45	Division 1 and 2 Diesel Generator Fuel Oil System	5
		VLI-R45/E22B	Division 3 Diesel Generator Fuel Oil System	3
		VLI-R46	Division 1 and 2 Diesel Generator Jacket Water Systems	4
		VLI-R46/E22B	Division 3 Diesel Generator Jacket Water System	6
		VLI-R47	Division 1 and 2 Diesel Generator Lube Oil	7
		VLI-R47/E22B	Division 3 Diesel Generator Lube Oil System	4
		VLI-R48	Division 1 and 2 Diesel Generator Exhaust, Intake and Crankcase Systems	6
71111.05	Corrective Action Documents	ATA-2022-15646	DCR FPI-OCC	9/13/2022
	Corrective Action Documents Resulting from Inspection	ATA-2022-12557	Recommending Enhancement to FPI-OCC for Unit 2 Division2 Cable Spreading Room, 125 Volt DC Distribution Room and Battery Room 638'-6" (See Marked Up Attachment) During Next Revision	7/14/2022
		CR 2022-05380	NRC Identified Housekeeping Concerns in Control Complex Unit 2 Div1 & Div2 Cable Spreading Areas	7/7/2022
	Fire Plans	1DG-1C	Unit 1 – Division 1 Diesel Generator Building 620'6" and 646" 6"	9/6/2022
		2CC-3a, 3b, 3c, 3d	Unit 2 – Division 1,2,3 4160 V & 480 V Switchgear, Communications Room, Radiation Protection Offices and RRA Access Facility 620' 6" Elev	9/7/2022
		FPI-OCC	Control Complex	12
	Procedures	FPI-1AB	Auxiliary Building Unit 1	4
71111.11Q	Miscellaneous	Cycle 202209 Evaluation Scenario Guide	Cycle 202209 Evaluation Scenario Guide Lesson Plan Number OTLC 3058202209-PY- SGC1	8/1/2022
		Evolution Specific	Perry Nuclear Power Plant August 2022 Hotwell Pump	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Reactivity Plan	Maintenance	
		OTLC-3058202209_PY-SGC1	Cycle 202209 Evaluation Scenario Guide	0
71111.12	Corrective Action Documents	2022-05992	Nuclear Closed Cooling Liquid Process Radiation Monitor Steady Rise in Indication	8/3/2022
		2022-06020	Reactor Water Cleanup A Pump Identified as the Source of Reactor Water In-Leakage into Nuclear Closed Cooling	8/4/2022
71111.13	Corrective Action Documents	CR 2022-02534	Div 1 Diesel Generator Injector Pump Leak	3/22/2022
		2022-05084	Jockey Fire Pump Continuously Running	6/23/2022
		ATL-2022-0580-ATA-17	NRC Requested the PORC Meeting Minutes that Discussed Use of a Jumper for SJAE Work	7/27/2022
		CR 2022-05733	Division 1 Diesel Generator Left Bank #6 Injector Fuel Oil Leak	7/23/2022
		CR-2022-05473	Steam Leak around SJAE Flow Element Clamp Degraded	7/11/2022
	Procedures	NOP-OP-1007	Risk Management	37
		PAP-1924	Risk-Informed Safety Assessment and Risk Management	9
		PYBP-POS-2-2	Protected Equipment Postings	13
	Work Orders	200850132	Residual Heat Removal "B" to Feedwater Line Flush Check Valve	7/29/2022
71111.15	Corrective Action Documents	2022-06139	Documentation of Drywell Leakage Rise Search Results	8/9/2022
		ATL-2022-0580-ATA-07	NRC Residents Requests a Completed Copy of Div 1 DG Fuel Oil Leak Order 200878600	7/25/2022
		CR 2022-05733	Division 1 Diesel Generator Left Bank #6 Injector Fuel Oil Leak	7/23/2022
71111.18	Corrective Action Documents	CR 2022-02694	Flow Control Valve A Position Fluctuation	3/27/2022
	Engineering Changes	ECP- 22-0052-001	Disconnect Linear Velocity Transducer on B33 Flow Control Valve A	4/2/2022
71111.19	Corrective Action Documents Resulting from Inspection	CR 2022-06652	As-Found Breaker Setup Not Correct per 208 Drawing	8/29/2022
	Work Orders	200326195	BJM-32 Replace Card or Electrolytic	9/12/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		200461333	Replace Amplifier Card – BLM-32	9/12/2022
		200677382	Breaker D1A05 Overhaul	8/3/2022
		200813976	Shadow to 200677382 BRK D1A05 Exercise A	8/3/2022
71111.22	Corrective Action Documents	2022-05807	Inadequate Detail and Signatures Found on Work Order Walkdown Sheets	7/26/2022
		ATA-2022-12374	Remove Over Pressurization Step from SVI-P57-T0392A on Page 12 of REV 5. (Steps 27,28,29)	7/12/2022
		CR 2022-04802	Slow Control Rod Movement for Control Rod 34-39	6/11/2022
	Procedures	PTI-C11-P0010	Control Rod Speed Adjustment	6/25/2022
		SVI-C11-T1022	Rod Pattern Control System - Rod Withdrawal Limiter	6/25/2022
		SVI-P57-T0392-A	ADS A – Safety Related Instrument Air Storage Tank Pressure Channel Calibration for 1P57-N024A	7/12/2022
	Work Orders	200767208	(4Y) RHR Heat Exchangers B and D Performance Testing	8/10/2022
		200805602	Emergency Service Water Pump A and Valve Operability Test	8/16/2022
71114.06	Miscellaneous	PNPP ERO Evaluated Exercise	Perry 9-27-2022 Evaluated Exercise	9/27/2022
		Slides	Energy Harbor Scenario Slides	8/4/2022
71124.08	Corrective Action Documents	CR-2022-01816	Three Radwaste Tanks with the Recycle Line Clogged with Resin	3/7/2022
		CR-2022-03862	Fill Head Stuck on Liner	5/5/2022
	Miscellaneous		GEL Laboratories Analysis Report for Sample ID 510237001	5/13/2020
			GEL Laboratories Analysis Report for Sample ID 526714001	11/25/2020
	Procedures	HPI-H0005	10 CFR 61 Compliance Sampling Program	5
		NOP-OP-5201	Shipment of Radioactive Material-Waste	11
		RPI-1301	Movement of Radioactive Material/Waste Outside of Radiologically Controlled Areas	13
		RWI-G51	Solid Radwaste Solidification System	24
	Shipping Records	21-1011	Dry Active Waste Shipment	3/21/2021
		21-1023	Resin Shipment	6/28/2021
		22-1024	Resin Shipment	8/31/2022
71152A	Corrective Action	CR 2022-04205	Bistable Flow Event	5/18/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents	CR 2022-05192	Suspected Bistable Flow Event	6/29/2022
		CR 2022-05228	Suspected Bistable Flow Event	6/30/2022
		CR 2022-06186	Reactor Recirc Bistable Flow Observed	8/11/2022
		CR 2022-06190	Reactor Recirc Bistable Flow Observed	8/11/2022
		CR 2022-06247	Reactor Recirc Bistable Flow Observed	8/14/2022
		CR 2022-06432	Reactor Recirc Bistable Flow Observed	8/21/2022
		CR 2022-06438	Reactor Recirc Bistable Flow Observed	8/21/2022
		CR 2022-06715	Reactor Recirc Bistable Flow Observed	8/31/2022
71152S	Corrective Action Documents	2022-03205	Fire Protection Jockey Pump Cycle Time Monitoring - System Leakage Exceeds 10 Gallons per Minute Workorder Criteria	4/12/2022
		2022-05084	Jockey Pump Continuously Running	6/23/2022
		2022-05113	Abnormal Indications for Fire Protection Pressure Maintenance Tank	6/25/2022
	Miscellaneous	Plan of action	Plan of Action for Operational Challenge	6/24/2022
	Work Orders	200813807	Monitor Jockey Pump Cycle Time	4/11/2022