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March 17, 2006

The Honorable Samuel W. Bodman
Secretary of Energy
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20585

Re: Department of Energy Docket No. EO-05-01, Order No. 202-05-03 on the Emergency Petition and Complaint of the Public Service Commission of the District of Columbia Joint Maintenance Status Report of Potomac Electric Power Company and PJM Interconnection, L.L.C.

Dear Secretary Bodman:

Potomac Electric Power Company ("Pepco") and PJM Interconnection, L.L.C. ("PJM") hereby jointly submit this Maintenance Report to advise you of the work completed and findings made during the maintenance outages for Pepco's two 230 kV circuits from the Palmers Corner to Potomac River substations pursuant to the December 20, 2006, Department of Energy ("DOE") Order No. 202-05-3.

Pepco conducted two maintenance outages, the first extending from January 12, 2006 to January 20, 2006 for circuit 23106, and the second extending from January 23, 2006 to January 28, 2006 for circuit 23107. The maintenance program involved inspection and maintenance activities on the electrical equipment, protection, and communication systems attached to the two 230 kV circuits between Palmers Corner substation and Potomac River substation. Reports outlining the work performed and the maintenance activities completed during the maintenance outages are included in Attachment 1. The predictive maintenance surveys that identified "hot spots" on the disconnect switch in circuit 23106 at Palmers Corner substation are included in Attachment 2.

BACKGROUND

On August 24, 2005, the District of Columbia Public Service Commission ("DC PSC") filed a petition and complaint at the Federal Energy Regulatory Commission ("Commission") requesting that because of serious reliability concerns in the greater

Washington, D.C. area, the Commission and/or DOE prevent Mirant Potomac River, LLC ("Mirant")[1] from shutting down its Potomac River Generating Station power plant ("Potomac River Plant"). The DC PSC also filed the same petition with the DOE, requesting emergency action under section 202(c) of the Federal Power Act ("FPA").

On December 20, 2005, the Secretary of Energy entered an order ("December 20th DOE Order") finding that an emergency exists under section FPA 202(c) in the Washington, D.C. area due to shortages in electric energy, facilities for the generation of electric energy, and facilities for the transmission of electric energy, as well as other causes.[2] The December 20th DOE Order required that Mirant operate the Potomac River Plant under certain circumstances in a manner that provides reasonable electric reliability, but that also minimizes any environmental harm from operation of the Potomac River Plant. In addition, the December 20th DOE Order directed Mirant to submit a plan to DOE detailing the steps it will take to comply with the order.

Mirant submitted its operations plan on December 30, 2005, with subsequent supplements to that plan. Mirant's plan provides that during the periods when one or both 230 kV transmission lines are out of service because of maintenance or a forced outage, all five Potomac River Plant generators will be operated in accordance with instructions of PJM, to meet the demand on the Potomac River substation. The plan also set forth two options for operating the Potomac River Plant when both transmission lines are in service. On January 4, 2006, DOE issued a letter directing Mirant to implement "Option A" for an interim period while DOE continues its review. Option "A" requires that Mirant operate the Potomac River Plant on a limited basis for certain planned or unplanned transmission outages and load levels.[3]

OUTAGE ACTIVITIES AND SCHEDULE

Over a year ago, Pepco had scheduled with PJM to begin a maintenance outage on January 9, 2006. As a consequence of Mirant shutting down the Potomac River Plant in August 2005, however, Pepco had no choice but to postpone its maintenance

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1 Pursuant to an Assignment and Assumption Agreement dated December 19, 2000, between Pepco, Mirant Corp. and each Mirant subsidiary (including Mirant Potomac River, LLC, f/k/a Southern Energy Potomac River, LLC), the Mirant subsidiaries and Mirant agreed to perform Mirant's obligations under the contract of sale, including those arising under the Local Area Support Agreement. As such, references to "Mirant" herein are intended to encompass Mirant Corp. and each of its subsidiaries.

2 *District of Columbia Pub. Serv. Comm'n*, DOE Docket No. EO-05-01, Order No. 202-05-3, Dec. 20, 2005. In addition, on January 9, 2006, the Commission issued its order on the DC PSC's petition and complaint. *District of Columbia Pub. Serv. Comm'n*, 114 FERC ¶ 61, 017 (2006).

3 Pepco responded to DOE on January 9, 2006 with comments on Mirant's operating plan. While the plan as implemented by DOE provides some reliability improvement, it will not satisfy the concerns identified by DOE in its decision and order. Pepco submitted that Option "B" should be considered and urged DOE to implement a compliance plan that fully meets the requirements of the December 20th DOE Order and restores system reliability to the levels existing prior to Mirant's unilateral shutdown in August 2005.

outage. Pepco cannot remove one of its Palmers Corner/Potomac River 230 kV circuits from service absent sufficient generation from the Potomac River Plant to serve the load. After the December 20th DOE Order requiring that Mirant operate the Potomac River Plant to maintain reliability, Pepco worked with Mirant and PJM to reschedule the maintenance for a time when the Potomac River Plant could operate sufficiently to match the load with one line taken out for maintenance. Mirant began the process to restart the units at the Potomac River Plant soon after issuance of the December 20th DOE Order. Mirant restarted unit #5 on Saturday, January 7, 2006, and started up the remaining units over the next several days, completing its start-up procedures on January 11, 2006.

Pepco coordinated the starting dates for and duration of the planned maintenance outages with Mirant and PJM in order to maintain sufficient reliability to the Washington, D.C. area while minimizing required operating time for the units at the Potomac River Plant. In order to reschedule the maintenance outage to accommodate Mirant and PJM as well as the limitations imposed on the operation of the Potomac River Plant, Pepco was in frequent communication with Mirant commencing on Saturday, January 7, 2006 and monitored the restarting of each generating unit. As each unit was started and connected to the electric system, all operating areas of Pepco were informed so that necessary crews and material could be made available for the start of the outage. Pepco would not allow the start of the outage until all five units were running, connected to the system and carrying load in order to ensure that sufficient reliability would be maintained.

After coordination among Mirant, PJM and Pepco, Pepco took circuit 23106 between Palmers Corner and Potomac River substations out of service for maintenance on Thursday, January 12, 2006. This outage lasted until January 20, 2006. During this time, Pepco combined several activities directly associated with this circuit or indirectly impacting the communication and protection system associated with this 230 kV circuit. The duration of the outage allowed Pepco to complete all of these necessary activities during one outage rather than requiring additional outages later. In this way, absent some unforeseen event, Mirant will not be required to run full generation during another planned maintenance outage prior to the construction outages necessary to install the additional 230 kV circuits. After further consultation with Mirant and PJM, Pepco took the second circuit, circuit 23107, between Palmers Corner and Potomac River substations out of service for maintenance on January 23, 2006, and returned it to service on January 28, 2006. During this outage, work was restricted to the equipment directly attached to circuit 23107. In both cases, Pepco maintenance crews worked extended hours and weekends to minimize the duration that Mirant needed to operate its Potomac River Plant at maximum generation.

In consideration of the December 20th DOE Order, and in coordination with PJM and Mirant, Pepco maintenance personnel worked extended hours and weekends in order to complete all maintenance activities in as little time as possible to minimize

operation of the Potomac River Plant. In that manner, Pepco attempted to assist Mirant in minimizing potential environmental impact from such operation. While it was necessary that Mirant operate all five units at the Potomac River Plant during these activities, as shown on Exhibit D of Mirant's January 24, 2006 Supplement Number 3 to its Operating Plan, submitted to DOE in compliance with Order No. 202-05-03, the Potomac River Plant used environmental controls on unit #4 during the first outage and units #3 and 4 during the second outage.

OPERATION OF MIRANT POTOMAC RIVER STATION DURING MAINTENANCE OUTAGE

As stated above, Pepco cannot remove either of its Palmers Corner/Potomac River 230 kV circuits (230 kV circuits) from service unless Mirant's Potomac River Plant is operating to serve the relevant load during the maintenance outage. Therefore, prior to the initiation of the maintenance outage, Pepco, PJM and Mirant coordinated their efforts to ensure the Potomac River Plant was operating at a level that adequately supported the maintenance outages.

The first step in this process involved analysis within PJM to determine the minimum level of output from the Potomac River Plant that would be necessary to support the maintenance outages given the environmental restrictions on the plant's operation. Based on this analysis, PJM informed Mirant on January 3, 2006 that four of the Potomac River Plant units would need to be operational by 7 a.m. on January 8, 2006, subject to the final determination, which would be issued on January 5, 2006.[4] On January 6, 2006 PJM and Mirant discussed the Potomac River Plant start-up plan and on January 7, 2006 the start-up process was initiated by Mirant. On January 8, 2006, Mirant experienced start-up problems with the Potomac River Plant units. As a result of the Potomac River Plant start-up issues, PJM and Pepco decided to postpone the maintenance outages because the available generation did not match the load.

Between January 9, 2006 and January 12, 2006, Mirant continued to work through start-up issues and provide adequate generation to allow the planned transmission outage to proceed. On January 11, 2006, PJM requested that Mirant use all five Potomac River Plant units to provide load following based on the level of miscellaneous reductions being experienced on the Potomac River Plant units. Mirant resolved the start-up issues and provided the necessary generation to begin the maintenance outage on January 12, 2006. As described, the outage lasted until January 20, 2006, at which time Potomac River Plant units 1, 2, 3 and 5 were removed from service.

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[4] The final determination of the amount of Potomac River generation that would be needed could not be issued because the final load forecast for the day needs to be developed closer in time to the operating day. However, based on the information available on January 3, 2006, PJM believed it was prudent to provide an estimate to enable Mirant to begin the necessary start-up operational procedures prior to the final determination in order to expedite the process.

On January 21, 2006, PJM directed Mirant to start all the Potomac River Plant units to support the maintenance outage for the second 230 kV circuit, and on January 23, 2006, adequate generation from the plant was available and stable and, accordingly, Pepco commenced maintenance on the second line on that date. The maintenance on this line lasted until January 28, 2006. Once completed, Potomac River Plant units 2, 3 and 5 were removed from service.

At all times, PJM developed its operating instructions to Mirant so as to minimize the amount of generation prudently needed to ensure reliability during the maintenance outage. PJM's directions took into account the environmental restrictions on the plant as ordered by the DOE.

FINDINGS

The reports included in Attachments 1 and 2 demonstrate that the maintenance work during both outages was necessary to restore the circuits and related equipment to required reliability levels. Further, the maintenance work revealed issues that could have caused a significant outage in the future had they been left unattended. In particular, during the first outage, Pepco found that the oil circuit breakers on circuit 23106 at Palmers Corner had developed a leak that had allowed 400 gallons of water into the tank. The speed of operation was more than 300% above the acceptable limit and the contact resistance was above acceptable parameters. The combination of these factors indicates that there was a problem with this equipment and a failure could have occurred at any time. If a fault were to have occurred on this circuit, and the circuit breaker was called upon to operate under fault conditions, the possibility of a catastrophic failure would increase significantly. A catastrophic failure of an oil circuit breaker that contains 9000 gallons of oil could result in an extensive fire and significant damage to equipment in the area of the failed breaker. The damage resulting from such a failure would require an outage lasting weeks or more before full repairs could be completed, during which time full generation output from the Potomac River Plant would be required. Attachments 1 and 2 provide additional details regarding the findings during the maintenance outages.

ANTICIPATED FUTURE OUTAGES

No additional maintenance outages are scheduled for these circuits at this time. Certain outages may be required to accommodate the construction work for Pepco's proposed new transmission lines. A preliminary outage schedule will be developed to allow the installation of Pepco's proposed substation equipment and underground cable circuit. Outages required during this period could be a few days to several weeks in duration, depending on the work to be preformed and the proximity of work to the energized equipment.

If you have any questions related to this report, please contact the undersigned.

Sincerely,

/s/Kirk Emge
Kirk Emge
Vice President and General Counsel
Pepco Holdings, Inc.

/s/Craig Glazer
Craig Glazer
Vice President of Federal Government Policy
PJM Interconnection, L.L.C.

Vincent P. Duane
Deputy General Counsel
PJM Interconnection, L.L.C.

cc: Mr. Lawrence Mansueti, DOE Rm. 8H-033

ATTACHMENT 1

MAINTENANCE ACTIVITIES REPORTS

Maintenance Activities Feeder 23106 Sub. 84 Palmers Corner To Station C

On January 12-20, 2006, the following maintenance and testing functions were performed on equipment connected to Feeder 23106 from Sub. 84 Palmers Corner to Station C Potomac River:

Substation Maintenance

Sub. 84 Palmers Corner
-Oil Circuit Breaker E-5048

Initially a Kelman P1 breaker test was performed. This is a diagnostic test to measure the control circuit characteristics of the circuit breaker and evaluate the breaker operation performance. The testing indicated that the breaker required maintenance to the operating mechanism and control circuits which was performed. Inspection of the breaker components indicated problems with the pneudralic alarm and cutoff. The motor control pressure switch was replaced. This switch controls the motor cutoff and alarm. This was a contributor to slow operating speeds. Slow operation of a breaker under a fault condition could cause the breaker to catastrophically fail causing collateral damage and extended electric outages. The operating mechanism was thoroughly cleaned and lubricated. The "As Left" P1 testing indicated that the slow response time had been corrected. The breaker interrupter contacts were inspected and tested. The contact resistance test results showed B phase resistance to be outside the acceptable parameters. The contact assemblies were cleaned, re-torqued, and retested. The final test values were within specified limits.

Kelman P1 Test Results

Acceptable Limits	**Trip –approx. 28ms**
As Found	Initial trip = 97 ms
As Left	Trip = 30 ms

Diagnostic oil analysis testing that had been performed in 2005 indicated that the oil circuit breaker had moisture in the oil. At the beginning of the maintenance outage, the B phase oil was tested at a value of 4 kV. The Maintenance Crew removed 400 gallons of water contaminated oil from bottom of tank. The remaining oil was tested and met the acceptable level of 10kV. Make up oil was added to fill the tank and then retested to 10kV. Two pin-hole leaks in the tank top inner weld were discovered and were repaired. The tank liquid level gauge sight glass was found loose, which could also lead to water migration. The gauge was disassembled, and new "O" rings were installed, and the gauge was re-tightened.

-Disconnect Switches on 23106

A predictive maintenance thermography inspection indicated hotspots on the B phase bus and C phase line side disconnects. Hot spots indicate loose connections or corrosion that can lead to equipment failure and sometimes catastrophic failure if left to progressively increase in temperature. The drive mechanism parts were cleaned and lubricated. A follow up thermography inspection was performed on January 30 which indicated that the hot spots had been corrected.

Sub 83 Blue Plains

-Reactor 23106 – Routine diagnostic testing was performed on this unit.

Sta. C Potomac River

-Tr. #8 and Tr. #9 - Routine Diagnostic testing was performed on these units.

-Tr. #8 and Tr. #9 Secondary Breaker – Routine diagnostic testing was performed on these units.

Field Relay & Control

At Sub. 84, the transfer trip protection scheme was tested on Feeder 23106 and was found in good condition.

At Sub. 83 Blue Plains, the Reactor 23106 protective relays were tested. The Sudden Pressure Auxiliary Relay was found to be defective with an open coil and was replaced. All other relays were tested and found in good condition.

At Sta. C Potomac River, the relays for #8 & #9 Transformers were tested and found in good condition. The transfer trip equipment for Feeder 23106 was tested and found in good condition.

Telecommunications

During the outage, at the request of the State of Maryland Department of Transportation a fiber optic cable was spliced for the Woodrow Wilson Bridge Project. This activity was conducted during this outage so that generation would not have to be run at another time. This fiber optic cable supplies the primary relay protection for the transmission lines. To ensure the overall reliability of the system, this relay protection would only be removed when there was sufficient generation to match the load at the Potomac River substation. Without this generation, any failure of the backup relay system would have resulted in the loss of one or both transmission lines and loss of load.

Sub. 83 Blue Plains, the Microwave Radio Test Equipment was tested. Several Promx communications cards were found to be defective and were replaced. This communication system is part of the relay protection system for these transmission

lines. Communication enhancements were completed at Potomac River substation to establish a fiber optic link with Dominion Resources to improve the relay coordination between utilities. This work required the connecting of optical cable in the vicinity of the existing relay equipment and posed a risk of an accidental tripping of these transmission lines and outage, if no generation was running.

Underground High Voltage

During the outage, a diagnostic oil sample was obtained from the Feeder 23106 oil filled pipe to monitor the condition of the oil and determine if there was any increase in combustible gas. This test did not detect any problems.

Maintenance Activities Feeder 23107 Sub. 84 Palmers Corner To Station C

On January 23 - January 28, 2006, the following maintenance and testing functions were performed on equipment connected to Line 23107 from Sub. 84 Palmers Corner to Station C Potomac River:

Substation Maintenance

Sub. 84 Palmers Corner
-Oil Circuit Breaker 23107 E-5049

Initially a Kelman P1 breaker testing was performed to measure the control circuit characteristics of the circuit breaker and evaluate the breaker operation performance. The benefit of the P1 test is that it allows a measurement to be taken when the breaker is first operated, which is the condition that the breaker would be in when it was called upon to interrupt a fault. For this breaker, the test equipment did not trigger properly and so the measurements for the first operation were not recorded and could not be used for diagnostic purposes.

A routine inspection was performed on this breaker. This breaker had recently experienced a trip and not been able to be reclosed. The pneudralic system was suspect and was thoroughly checked. The pressure hoses and the hydraulic oil in the reservoir were replaced.

During the inspection, 9000 gallons of oil were removed and filtered. The inspection of primary interrupters in each of the three tanks was completed. The contact resistance was measured and the male and female contacts were cleaned. The micro-ohm reading (contact resistance) on pole 6 was out of specifications and was corrected. The filtered oil was returned to the tanks. This breaker was tested and poor velocity readings were measured. The closing velocity was corrected and the contact wipe measurement was adjusted. No other major issues were found in the breaker. The breaker was dobled tested and analyzed. All results were acceptable.

A predictive maintenance thermography inspection found no hot spot issues related to 23107.

Sub 83 Blue Plains

-23107 Reactor – Routine diagnostic testing was performed. The reactor bushings continue to trend toward high power factor but still within acceptable range. No other major issues were found during the routine testing of the reactor.

Sta. C Potomac River

-Tr. #6 and Tr. #7 - Routine Diagnostic testing was performed on these units.

-Tr. #6 and Tr. #7 Secondary Breaker – Routine diagnostic testing was performed on these units.

No issues were found on either the transformers or transformer secondary breakers.

Field Relay & Control

At Sub. 84, the transfer trip protection scheme was tested on Line 23107. Results were found in good condition.

At Sub. 83 Blue Plains, the Reactor 23107 protective relays were tested. Results were found in good condition.

At Sta. C Potomac River, the relays for #6 & #7 Transformers were tested and found in good condition. The transfer trip equipment for 23107 was tested and found in good condition.

Telecommunications

Prior to the outage, the Promx T1 System 2, which connects several substations including Station C, was experiencing problems. The problems were investigated and fibers were tightened and a jumper replaced. This corrected the problem.

ATTACHMENT 2

PREDICTIVE MAINTENANCE SURVEYS

This Report Was
Generated ByThe
Predictive Maintenance
Management Department

6/17/2005

Potomac Electric Power Co.
Predictive Maintenance
Survey

Location

PALMERS CORNER

Station No.

84

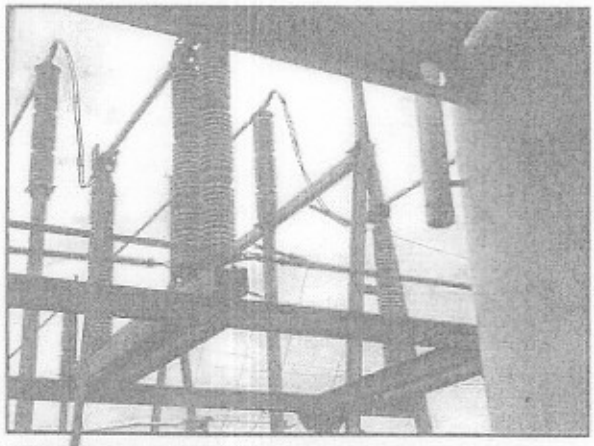
INSPECTED EQUIPMENT

No. 23016 BUS DISC

DESCRIPTION OF PROBLEM

TEMP RISE INDICATED ON BUS DISC JAW (B-PHASE)

Equipment Load	225 AMPS



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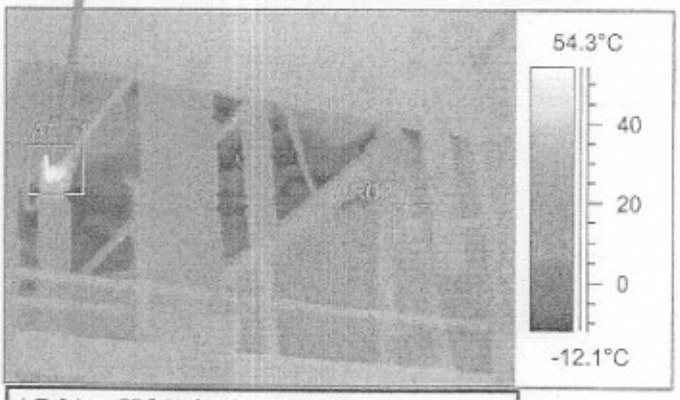
SV Image No.	28



IR information	Value
Date of creation	6/16/2005
Object parameter	**Value**
Object distance	10.0 m
Ambient temperature	25.0°C
Label	**Temperature**
AR01 : max	67.9°C
AR02 : max	34.5°C
Actual Temp Rise	33.40 °C

AR01 = HOT SPOT TEMP.
AR02 = REFERENCE TEMP.

Work Order No.	69785
Equipment Severity	INTERMED

RECOMMENDATION

INSPECT AND REPAIR AS REQUIRED.

Station No.	84

This Report Was
Generated By The
Predictive Maintenance
Management Department

1/5/2006

Potomac Electric Power Co.
Predictive Maintenance
Survey

Location

PALMERS CORNER

Station No.

84

TABLE OF CONTENTS

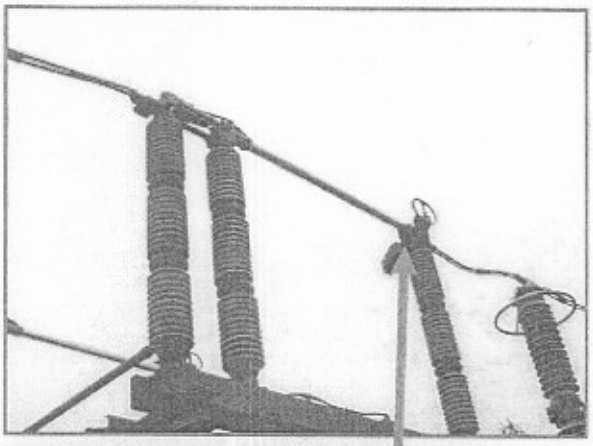
INSPECTED EQUIPMENT

23106 HTF

DESCRIPTION OF PROBLEM

TEMPERATURE RISE INDICATED ON LINE DISC JAW (A-PHASE)
DS8423

Equipment Load	400 AMPS



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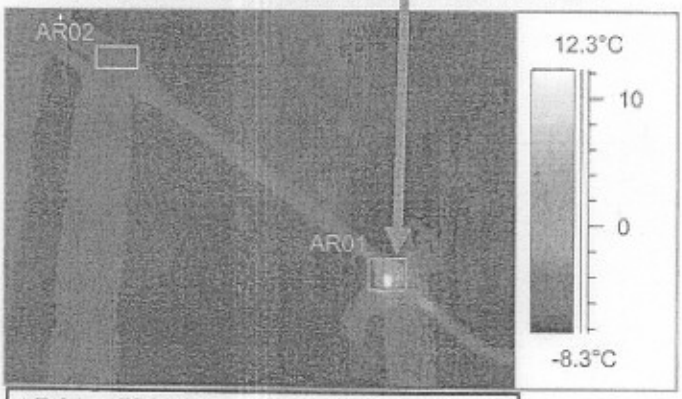
SV Image No.	30



IR information	Value
Date of creation	1/3/2006
Object parameter	**Value**
Object distance	10.2 m
Ambient temperature	25.0°C
Label	**Value**
AR01 : max	20.0°C
AR02 : max	-4.1°C
Actual Temp Rise	24.11 °C

AR01 = HOT SPOT TEMP.
AR02 = REFERENCE TEMP.

Work Order No.	78549
Equipment Severity	INTERMED.

RECOMMENDATION

INSPECT AND REPAIR AS REQUIRED

Station No.	84

Summary of Anomalies at

Location	PALMERS CORNER

W.O. No.	Problem Equipment	Occurrance No.
78549	23106 HTF.	S84-01-06

WMIS WORK REQUEST : 3067744

SMC

OIL CIRCUIT BREAKER DATA COLLECTION SHEET

PRINTED ON: 02/01/2006

WORK ORDER : 63295 — Pepco PM master file for E-5049
LOCATION : 084A-230-BKR002 — PALMERS CORNER - 3C-23107 OCB — SERIAL NO : 21041
PEPCO NO : E-5049 — MGE 230KV OIL CIRCUIT BREAKER - MODEL RHE90-230-2000

REPORT DATE: 01/12/2005
GL ACCT: 051 - 04224 - 057000
INSTALLED : 1973
MANUFACTURED:

SUPERVISOR : CORKENJT LEAD : JOB PLAN : OCB230 PM PLAN : PM-E-5049

STATUS : APPR
WORK TYPE : PM
PRIORITY : 3
EST DUR : 120 HOURS

TARGET START : SCHEDULED START : 01/23/2006 ACTUAL START : 1/23/06
TARGET COMP : 01/28/2006 SCHEDULED FINISH : ACTUAL FINISH : 1/28/06

INSPECT and CHECK APPROPRIATE COLUMN. IF PROBLEM is FOUND or ACTION is REQUIRED, SPECIFY on BACK of PAGE.

CHECK ONE: ✓ INTRUSIVE ___ NON-INTRUSIVE

BREAKER COMPONENTS (As Found)

Component		
BUSHINGS :	✓ SATISFACTORY	___ UNSATISFACTORY
PNEUDRAULIC PUMP :	✓ S	___ U
PNEUDRAULIC ALARM :	✓ S	___ U
PNEUDRAULIC CUTOFF :	✓ S	___ U
PNEUDRAULIC PRECHARGE PRESSURE :	✓ S	___ U
PNEUDRAULIC OPER TO LOCKOUT :	✓ S	___ U
PNEUDRAULIC PUMP UPTIME :	✓ S	___ U
OPERATING MECHANISM :	✓ S	___ U
INTERRUPTER :	✓ S	___ U
CLOSING RELAY :	✓ S	___ U
TRIPPING SOLENOID :	✓ S	___ U
ANTI-PUMP RELAY :	✓ S	___ U
AUXILIARY SWITCHES :	✓ S	___ U
LIFT RODS :	___ S	___ U
DASH POTS :	___ S	___ U
GAUGES :	✓ S	___ U
HEATERS :	✓ S	___ U
AIR RECEIVER DRAIN VALVE :	___ S	___ U
CONTROL VALVE :	✓ S	___ U
NUTS, BOLTS, PINS TIGHT ?	✓ YES	___ NO
CONNECTIONS TIGHT ?	✓ YES	___ NO
ELECTRICAL CONNECTIONS TIGHT ?	✓ YES	___ NO
TANK LINERS INSTALLED?	___ YES	___ NO

OIL SAMPLE TAKEN AND RETURNED TO CHEMISTRY LAB ?

PHASE A	✓ YES	___ NO
PHASE B	___ YES	___ NO
PHASE C	___ YES	___ NO

SUPERVISOR SIGNATURE : ____________

MECHANIC : Stokes Watts INSP DATE : 01 / 23 / 06

Pound Holt Kurtz Rosewicks

COUNTER READING (As Left) : 99978 New counter

IF BREAKER COMPONENTS were REPLACED or REPAIRED, Please NOTE specifics on Back of Page.

MAIN CONTACTS : ___ CHANGED ✓ NOT CHANGED
ARCING CONTACTS : ___ CHANGED ✓ NOT CHANGED
BAFFLES : ___ CHANGED ___ NOT CHANGED

CONTACT RESISTANCE :

PHASE A	0.00	mOHMS (Last)	330	mOHMS (Current)
PHASE B	0.00	mOHMS (Last)	510	mOHMS (Current)
PHASE C	0.00	mOHMS (Last)	510	mOHMS (Current)

CLEAN & LUBE MECH ✓ YES ___ NO ___ OTHER

OIL A	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? ___ Y / N
OIL B	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? ___ Y / N
OIL C	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? ___ Y / N

TASK NO	ACT HOURS	EST HOURS	DESCRIPTION
100	77	120	OCB INTERNAL INSPECTION
200	16	0	OCB OPERATING MECHANISM
300		0	ASSEMBLE BREAKER
400	27	0	TEST OCB- MICRO-OHM, ANALYZE, MEGGER & DOBLE
800		0	ROUTINE DISCONNECT SWITCHES
900		0	INDIRECT TIME
5000		0	DATA INPUT

SMC

OIL CIRCUIT BREAKER DATA COLLECTION SHEET

WMIS WORK REQUEST : 3067743
PRINTED ON: 01/05/2006

WORK ORDER : 61200
LOCATION : 084A-230-BKR001
PEPCO NO : E-5048

Pepco PM master file for E-5048
PALMERS CORNER - 2C-23106 OCB SERIAL NO : 21042
MGE 230KV OIL CIRCUIT BREAKER - MODEL RHE90-230-2000

REPORT DATE: 01/07/2005
GL ACCT: 051 - 04224 - 057000
INSTALLED : 1973
MANUFACTURED:

SUPERVISOR : CORKENJT LEAD : JOB PLAN : OCB230 PM PLAN : PM-E-5048

TARGET START : 01/09/2006 SCHEDULED START : ACTUAL START : 1/13/06
TARGET COMP : 01/13/2006 SCHEDULED FINISH : ACTUAL FINISH : 1/18/06

STATUS : APPR
WORK TYPE : PM
PRIORITY : 3
EST DUR : 120 HOURS

INSPECT and CHECK APPROPRIATE COLUMN. IF PROBLEM is FOUND or ACTION is REQUIRED, SPECIFY on BACK of PAGE.

CHECK ONE ✓ INTRUSIVE ___ NON-INTRUSIVE

BREAKER COMPONENTS (As Found)

BUSHINGS :	✓ SATISFACTORY	___ UNSATISFACTORY
PNEUDRAULIC PUMP :	✓ S	___ U
PNEUDRAULIC ALARM :	___ S	✓ U
PNEUDRAULIC CUTOFF :	___ S	✓ U
PNEUDRAULIC PRECHARGE PRESSURE :	✓ S	___ U
PNEUDRAULIC OPER TO LOCKOUT :	✓ S	___ U
PNEUDRAULIC PUMP UPTIME :	✓ S	___ U
OPERATING MECHANISM :	___ S	✓ U
INTERRUPTER :	✓ S	___ U
CLOSING RELAY :	✓ S	___ U
TRIPPING SOLENOID :	✓ S	___ U
ANTI-PUMP RELAY :	✓ S	___ U
AUXILIARY SWITCHES :	✓ S	___ U
LIFT RODS : N/A	___ S	___ U
DASH POTS :	✓ S	___ U
GAUGES :	✓ S	___ U
HEATERS :	✓ S	___ U
AIR RECEIVER DRAIN VALVE : N/A	___ S	___ U
CONTROL VALVE :	✓ S	___ U
NUTS, BOLTS, PINS TIGHT ?	✓ YES	___ NO
CONNECTIONS TIGHT ?	✓ YES	___ NO
ELECTRICAL CONNECTIONS TIGHT ?	✓ YES	___ NO
TANK LINERS INSTALLED? N/A	___ YES	___ NO
OIL SAMPLE TAKEN AND RETURNED TO CHEMISTRY LAB ?		
PHASE A	___ YES	✓ NO
PHASE B	___ YES	✓ NO
PHASE C	___ YES	✓ NO

SUPERVISOR SIGNATURE : _____
MECHANIC : COLECLOVE INSP DATE : ___ / ___ / ___

COUNTER READING (As Left) : 740

IF BREAKER COMPONENTS were REPLACED or REPAIRED, Please NOTE specifics on Back of Page.

MAIN CONTACTS : ___ CHANGED ✓ NOT CHANGED
ARCING CONTACTS : ___ CHANGED ✓ NOT CHANGED
BAFFLES : ___ CHANGED ✓ NOT CHANGED

CONTACT RESISTANCE

PHASE A	0.00	mOHMS (Last)	350	mOHMS (Current)
PHASE B	0.00	mOHMS (Last)	350	mOHMS (Current)
PHASE C	0.00	mOHMS (Last)	359	mOHMS (Current)

CLEAN & LUBE MECH ✓ YES ___ NO ___ OTHER

OIL A	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? N Y / N
OIL B	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? N Y / N
OIL C	✓ FILTERED	___ CHANGED	INHIBITOR ADDED? N Y / N

TASK NO	ACT HOURS	EST HOURS	DESCRIPTION
100	_____	120	OCB INTERNAL INSPECTION
200	_____	0	OCB OPERATING MECHANISM
300	_____	0	ASSEMBLE BREAKER
400	_____	0	TEST OCB- MICRO-OHM, ANALYZE, MEGGER & DOBLE
800	_____	0	ROUTINE DISCONNECT SWITCHES
900	_____	0	INDIRECT TIME
5000	_____	0	DATA INPUT

REPLACED PRESSURE SWITCH ASSEMBLY
STOCK # 9718-8752

Relay Cross Reference Report

February 03, 2006 7:39 am

Location = GENC* 69KV

Location	Parent	Equipment#	Description	Relay Test	Test Type	Last Test Date	Due Date	Supervisor
GENC-069-RLY006								
	R06C00		6 TR/1 69K BUS					
69 KV		103480	1 69K BUS PT FUSE ALARM	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		103481	6 TR OVERCURRENT	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		103483	6 TR DIR OC / REV POWER	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		200264	6 TR DIFF	SA	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		202948	6 TR OVERCURRENT - SR	SA	R	1/25/2006	1/25/2010	DEVAUGHNMG
GENC-069-RLY007								
	R07C00		7 TR/6 69K BUS					
69 KV		103484	6 69K BUS PT FUSE ALARM	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		103485	7 TR OVERCURRENT	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		103487	7 TR DIR OC / REV PWR	CV	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		200267	7 TR DIFF	SA	R	1/25/2006	1/25/2010	DEVAUGHNMG
69 KV		202949	7 TR OVERCURRENT - SR	SA	R	1/25/2006	1/25/2010	DEVAUGHNMG
GENC-069-RLY008								
	R08C00		8 TR/3 69K BUS					
69 KV		103488	3 69K BUS PT FUSE ALARM	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		103489	8 TR OVERCURRENT	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		103491	8 TR DIR OC / REV PWR	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG

Relay Cross Reference Report

February 03, 2006 7:39 am

Location = GENC* 69KV

Location	Parent	Equipment#	Description	Relay Test	Test Type	Last Test Date	Due Date	Supervisor
69 KV		200270	8 TR DIFF	SA	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		202950	8 TR OVERCURRENT - SR	SA	R	1/13/2006	1/13/2010	DEVAUGHNMG
GENC-069-RLY009	R09C00		9 TR/4 69K BUS					
69 KV		103492	4 69K BUS PT FUSE ALARM	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		103493	9 TR OVERCURRENT	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		103495	9 TR DIR OC / REV PWR	CV	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		200273	9 TR DIFF	SA	R	1/13/2006	1/13/2010	DEVAUGHNMG
69 KV		202951	9 TR OVERCURRENT - SR	SA	R	1/13/2006	1/13/2010	DEVAUGHNMG

Relay Cross Reference Report

February 03, 2006 7:43 am

Location = 083* 230KV

Location	Parent	Equipment#	Description	Relay Test	Test Type	Last Test Date	Due Date	Supervisor
083A-230-RLY001								
	R02083		23106					
230 KV		107361	23106 REACT OVERCURRENT	CV	R	1/14/2006	1/14/2010	DEVAUGHNMG
230 KV		107362	23106 CCPD ALARM OR ALARM1	CV	R	1/15/2006	1/14/2010	DEVAUGHNMG
230 KV		107363	23106 NEUT GRD OVERCURRENT	CV	R	1/14/2006	1/14/2010	DEVAUGHNMG
230 KV		201435	23106 REACT DIFF	SA	R	1/14/2006	1/14/2010	DEVAUGHNMG
083A-230-RLY002								
	R03083		23107					
230 KV		107364	23107 REACT OVERCURRENT	CV	R	1/24/2006	1/23/2010	DEVAUGHNMG
230 KV		107365	23107 CCPD ALARM OR ALARM1	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG
230 KV		107366	23107 LINE OVERVOLTAGE	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG
083A-230-RLY003								
	R04083		23106 REAC					
230 KV		107367	23106 REACT STUCK BREAKER 1	CV	R	1/14/2006	1/14/2010	DEVAUGHNMG
230 KV		107368	23106 REACT STUCK BREAKER 2	CV	R	1/14/2006	1/14/2010	DEVAUGHNMG
230 KV		107369	23106 REACT POLE DISAGREEMENT	CV	R	1/14/2006	1/14/2010	DEVAUGHNMG
083A-230-RLY004								
	R05083		23107 REAC					
230 KV		107370	23107 REACT STUCK BREAKER 1	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG
230 KV		107371	23107 REACT STUCK BREAKER 2	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG
230 KV		107372	23107 REACT POLE DISAGREEMENT	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG

Relay Cross Reference Report

February 03, 2006 7:43 am

Location = 083* 230KV

Location	Parent Equipment#	Description	Relay Test	Test Type	Last Test Date	Due Date	Supervisor
230 KV	201436	23107 REACT DIFF	SA	R	1/24/2006	1/23/2010	DEVAUGHNMG
083A-230-RLY005							
R12083		23106W 5A					
230 KV	107373	23106W DIR OC / REV PWR	CV	R	1/15/2006	1/15/2010	DEVAUGHNMG
083A-230-RLY006							
R13083		23106R 6A					
230 KV	107374	23106R DIR OC / REV PWR	CV	R	1/15/2006	1/15/2010	DEVAUGHNMG
083A-230-RLY007							
R15083		23107W 3A					
230 KV	107375	23107W DIR OC / REV PWR	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG
083A-230-RLY008							
R16083		23107R 4A					
230 KV	107376	23107R DIR OC / REV PWR	CV	R	1/23/2006	1/23/2010	DEVAUGHNMG

TOTAL NUMBER OF RECORDS: 18