



Daniella Levine Cava, Mayor

Water and Sewer
PO Box 330316 • 3071 SW 38 Avenue
Miami, Florida 33233-0316
T 305-665-7471

miamidade.gov

VIA ELECTRONIC CORRESPONDENCE

CCN: 65415

File No: 8.DC.20.52

June 7, 2024

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Tom Mariani
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Tom.Mariani@usdoj.gov

Chief, Clean Water Enforcement Branch
Water Protection Division
Attn: Brad Ammons
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Sirena.Davila@dep.state.fl.us

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section XI, Paragraph 52 – Delay,
Appendix D-2, Capital Improvement Project 5.5 – Replacement of Switchgear and Rehabilitation of
Wet Well Pump Station No. 0415 – Request to Waive Potential Stipulated Penalties**

Dear Sir or Madam:

The purpose of this letter is to request that the United States Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) waive potential stipulated penalties, if any, associated with delays to project completion of Consent Decree (CD) Capital Improvement Project (CIP) 5.5 – Replacement of Switchgear and Rehabilitation of Wet Well Pump Station No. 0415 at 3750 NW 181st Street, Miami Gardens, Florida (the “Project”). The original CD description for CD 5.5 was replacement of electrical switchgear and rehabilitation of the wet well to include an odor control unit. The construction project scope included the rehabilitation and replacement of all equipment including pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well.



On October 2, 2019, the County submitted a Failure to Meet Compliance Date Notification for CD CIP 5.5 (see Exhibit A attached hereto). The Project experienced delays during the construction and commissioning phases that impacted the compliance date of September 2, 2019. The Project reached the construction completion milestone on November 13, 2019 (see Exhibit B attached hereto).

During the commissioning of the Project, the authorized equipment manufacturer's representatives and electrical equipment testing subcontractor were delayed in performing equipment and electrical inspections and certifying the instrumentation, equipment controls and electrical components. The authorized representatives and electrical subcontractor were not available in a timely manner due to workload. A copy of the Performance Testing Sign Off Sheets for various equipment, the Manufacturer's Certification of Proper Installation, and the Start-Up Sign Off Sheet for Grounding obtained during the Performance Testing Period are attached hereto as Exhibit C.

The County took the following actions to mitigate the Project delays:

- Increased frequency of meetings with the Contractor and the authorized equipment manufacturer's representatives to track updates on the pending Substantial Completion items;
- Provided dedicated Pump Station Division staff during performance testing and equipment inspection so that immediate adjustments could be made to expedite testing;
- Provided additional work resources to expedite key activities; and
- Prioritized work and review of the Performance Testing Sign-Off Sheets by the Engineer of Record.

As a result of the continued efforts to closely monitor the Project status, Substantial Completion was achieved 72-days after the CD compliance date of September 2, 2019.

Section X, Paragraph 44 of the Consent Decree states: "Either sovereign may waive stipulated penalties or reduce the amount of stipulated penalties it demands, in the unreviewable exercise of its discretion and in accordance with this Paragraph 44." The County respectfully requests that EPA and FDEP use their discretion to waive potential stipulated penalties, if any, associated with this Project because the County has been transparent in communicating the hardships encountered on this Project and took mitigating steps to limit the Project delays as much as possible. It is the County's belief that any stipulated penalties assessed due to Project delays would be better invested toward additional improvements to the system.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8894.

Sincerely,



Marisela J. Aranguiz-Cueto, P.E.
Deputy Director
Miami-Dade Water and Sewer Department

Attachments: Exhibits A, B and C

ec:

Anita Patel
Senior Assistant Attorney General, Complex Litigation
Office of the Attorney General
PL 01 The Capitol
Tallahassee, FL 32399-1050
(850) 414-3694
anita.patel@myfloridalegal.com

Elizabeth Teegen
Chief Assistant Attorney General, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3808
Elizabeth.Teegen@myfloridalegal.com

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Lisa.M.Self@dep.state.fl.us
Viviana.Useche@FloridaDEP.ov
Bridjette.Bucell@FloridaDEP.gov
Sed.wastewater@dep.state.fl.us
Chase.Osborn@floridaDEP.gov
Guy.Cappello@floridaDEP.gov

Jairo Castillo-Valenzuela
Dennis Sayre
Wastewater Enforcement Section
Water Enforcement Branch
Enforcement & Compliance Assurance Division
USEPA Region 461 Forsyth Street. S.W.
Atlanta, GA 30303
Castillo.Jairo@epa.gov
gunderson.andrew@epa.gov

Paul Schwartz
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Schwartz.Paul@epa.gov

Madame Mayor Daniella Levine-Cava
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128
Daniella.Cava@miamidade.gov

Jimmy Morales, Office of the Mayor
Miami-Dade County Chief Operations Officer
111 NW 1st Street 29th Floor
Miami, FL 33128
Jimmy.Morales2@miamidade.gov

Roy Coley, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146
Roy.Coley@miamidade.gov

Sarah Davis
Miami-Dade Assistant County Attorney
Miami-Dade County Attorney's Office
111 NW First Street Suite 2810
Miami, Florida 33128
Sarah.Davis@miamidade.gov

Amanda Kinnick (WASD)
Billie Jo McCarley (WASD)
Frances G. Morris (WASD)
James B. Ferguson (WASD)
Juan Curiel (WASD)
Catalina Lopez-Velandia (WASD)
Francois Saint-Phard (WASD)
Miguel Jimenez (WASD)
Carlos A. Castro (WASD)
Rolando Roque (WASD)
Ana Caveda (WASD)
Katherine Sanchez (CAO)
Christine Wartman (WASD)
Rashid Istambouli (RER-DERM)
Galo Pacheco (RER-DERM)
Roger Williams (CD PMCM)

Exhibit A



miamidade.gov

Water and Sewer
PO Box 330316 • 3071 SW 38 Avenue
Miami, Florida 33233-0316
T 305-665-7471

VIA ELECTRONIC CORRESPONDENCE

October 1, 2019

CCN: 62796
File No: 8.DC.20.52

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Tom Mariani
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Tom.Mariani@usdoj.gov

Chief, Clean Water Enforcement Branch
Water Protection Division
Attn: Brad Ammons
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Jason.Andreotta@dep.state.fl.us

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section XI, Paragraph 52 – Force Majeure,
Section XVII, Paragraph 77 – Notices,
Failure to Meet Compliance Date Notification for Consent Decree Appendix D-2, Capital
Improvement Project 5.5 – Replacement of Switchgear and Rehabilitation Wet Well Pump
Station 0415**

Dear Sir/Madam:

Pursuant to Section XI, Paragraph 52, on September 18, 2019, Miami-Dade County (County) orally and electronically notified EPA and FDEP the United States Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) of the failure to meet the CD compliance date of Capital Improvement Project (CIP) 5.5 – Replacement of Switchgear and Rehabilitation Wet Well Pump Station 0415. The CD compliance date was September 2, 2019.

The County remains committed to complete this project and will provide notification once it has been accomplished.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8571.

Sincerely,



Lynnette M. Ramirez P.E.
Senior Advisor, Capital Improvement Programs & Regulatory Compliance

ec: Barbara Jean Throne
Senior Assistant Attorney General, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3699
Barbara.Throne@myfloridalegal.com

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Lisa.M.Self@dep.state.fl.us
Mike.Bechtold@dep.state.fl.us
Tim.Fitzhugh@dep.state.fl.us
Sed.wastewater@dep.state.fl.us

Mayor Carlos A. Gimenez
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128

Kevin T. Lynskey, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

Jack Osterholt, Deputy Mayor/Director
Miami-Dade Regulatory and
Economic Resources
111 NW 1st Street. 29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Henry Gillman
Miami-Dade Assistant County Attorney
Miami-Dade County Attorney's Office
111 NW First Street Suite 2810
Miami, Florida 33128

Richard Elliott, P.E., PMP
Environmental Engineer
Water Protection Division
U.S. Environmental Protection Agency - Region 4
61 Forsyth Street. S.W.
Atlanta, GA 30303
Elliott.Richard@epa.gov

Paul Schwartz
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Schwartz.Paul@epa.gov

Failure to Meet Compliance Date Notification for CD CIP 5.5 Replacement of Switchgear and Rehabilitation Wet
Well Pump Station 0415
October 1, 2019
Page 4

William A. Weinschke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinschke@usdoj.gov

Exhibit B



miamidade.gov

Water and Sewer
PO Box 330316 • 3071 SW 38 Avenue
Miami, Florida 33233-0316
T 305-665-7471

VIA ELECTRONIC CORRESPONDENCE

December 30, 2019

CCN: 62955
File No: 8.DC.20.52

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Tom Mariani
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Tom.Mariani@usdoj.gov

Chief, Clean Water Enforcement Branch
Water Protection Division
Attn: Brad Ammons
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Jason.Andreotta@dep.state.fl.us

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section XI, Paragraph 52 – Potential Delay,
Section XVII, Paragraph 77 – Notices,
Notification of Completion for Consent Decree Appendix D-2, Capital Improvement
Project 5.5 Replacement of Switchgear and Rehabilitation of Wet Well Pump Station
No. 0415**

Aul

Dear Sir/Madam,

The purpose of this notification letter is to inform the United States Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) that Consent Decree (CD) Capital Improvement Project 5.5, Replacement of Switchgear and Rehabilitation of Wet Well at Pump Station No. 0415, reached the construction completion milestone on November 13, 2019.

On October 2, 2019, Miami-Dade County (County) submitted to EPA and FDEP a Failure to Meet Compliance Date Notification Letter for CD Capital Improvement Project (CIP) 5.5 Replacement

Notification of Completion for CD CIP 5.5 - Replacement of Switchgear and Rehabilitation of Wet Well
Pump Station No. 0415
December 30, 2019
Page 2

of Switchgear and Rehabilitation of Wet Well Pump Station No. 0415 – at 3750 NW 181st Street, Miami Gardens. This project experienced delays during the construction and commissioning phases. These delays impacted the project's CD compliance date of September 2, 2019.

Improvements performed under CD CIP 5.5 were needed because the existing equipment was beyond its useful life. There is no indication that CD CIP 5.5 delays presented an immediate endangerment to the public health, welfare or the environment.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8571.

Sincerely,



Lynnette M. Ramirez P.E.

Senior Advisor, Capital Improvement Programs & Regulatory Compliance

ec: Barbara Jean Throne
Senior Assistant Attorney General, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3808
Barbara.throne@myfloridalegal.com

Notification of Completion for CD CIP 5.5 - Replacement of Switchgear and Rehabilitation of Wet Well Pump
Station No. 0415
December 30, 2019
Page 3

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Lisa.M.Self@dep.state.fl.us
Mike.Bechtold@dep.state.fl.us
Sed.wastewater@dep.state.fl.us
Tim.Fitzhugh@@dep.state.fl.us

Mayor Carlos A. Gimenez
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128
Kevin T. Lynskey, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

Jack Osterholt, Deputy Mayor/Director
Miami-Dade Regulatory and
Economic Resources
111 NW 1st Street. 29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Henry Gillman
Miami-Dade Assistant County Attorney
Miami-Dade County Attorney's Office
111 NW First Street Suite 2810
Miami, Florida 33128

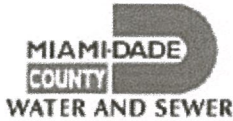
Richard Elliott, P.E., PMP
Environmental Engineer
Water Protection Division
U.S. Environmental Protection Agency - Region 4
61 Forsyth Street. S.W.
Atlanta, GA 30303
Elliott.Richard@epa.gov

Notification of Completion for CD CIP 5.5 - Replacement of Switchgear and Rehabilitation of Wet Well Pump
Station No. 0415
December 30, 2019
Page 4

Paul Schwartz
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Schwartz.Paul@epa.gov

William A. Weinischke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinischke@usdoj.gov

Exhibit Ô



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Odor Control

SPEC SECTION: 11200

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 8-12-19 Start Time: 10:00 am


Performance Test End Date: 8-13-19 End Time: 1:00 pm

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 8-12-19 Manufacturer's Authorized Representative: 

MDWASD: _____

PM/CM: _____

PK: 



PERFORMANCE TESTING SIGN OFF

PROJECT: CD-5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Vertical Sewage Pumps

SPEC SECTION: 11210

EQPT SERIAL NO: _____

EQPT TAG NO: _____

PS-004586-1

I hereby certify that the above-referenced equipment/system has:

*- 2
- 3
- 4*

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 8/21/19 Start Time: 12:pm

Performance Test End Date: 8/22/19 End Time: 12:pm

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 8/22/19 Manufacturer's Authorized Representative: *Chris Kail*

MDWASD: _____

PM/CM: _____

PK: _____



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Sump Pump

SPEC SECTION: 11215

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 8/21/19 Start Time: 8 am

Performance Test End Date: 8/21/19 End Time: 5 pm

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/12/19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: _____



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Instrumentation and Controls

SPEC SECTION: 13440

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 9/23/19 Start Time: 1:00 P.M.

Performance Test End Date: 9/28/19 End Time: 1:00 P.M.

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/30/19 Manufacturer's Authorized Representative: Mark Clifton

MDWASD: _____

PM/CM: _____

PK: _____



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415 PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: HVAC Instrumentation & Controls SPEC SECTION: 15900

EQPT SERIAL NO: _____ EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 7/31/2019 Start Time: 7:00 am.

Performance Test End Date: 7/31/2019 End Time: 3:30 pm.

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 8/1/2019 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: HVAC Testing and Balancing

SPEC SECTION: 15950

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 7/31/2019 Start Time: 7:00 am

Performance Test End Date: 7/31/2019 End Time: 3:30 pm

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 8/1/2019, Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Basic Electrical

SPEC SECTION: 16010

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner *See MET Report*

Performance Test Date Start: _____ Start Time: _____

Performance Test End Date: _____ End Time: _____

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 09/14/09 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: _____



ADDENDUM INFRARED SCAN REPORT FISK ELECTRIC COMPANY

for work performed at
PUMP STATION 0415
3750 NW 181st Street
Miami Gardens, Florida

Job No. 19-8755
P.O. 10639305-54459-OS

10/10/19...Infrared scanning procedures were performed at the above referenced location during September 30, 2019.

A FLIR E40 infrared camera was utilized in performing the scan. All covers on electrical equipment were removed prior to scanning the equipment.

The following is a listing of the equipment inspected / scanned. Thermal items of note are listed in **red**, with problem found and recommended remedial action(s). Other items of note found during the visual inspection are listed in **blue**.

Main electrical room	
Equipment	Comments
VFD 1	
VFD 2	
VFD 3	
VFD 4	
Panel LV	
Transformer 45 KVA	
Switchboard – section 1	
Switchboard – section 2	
Switchboard – section 3 (ATS)	Scanned normal and emergency (generator) connections.
Switchboard – section 4	

There were no thermal (or other) issues detected during this visual and infrared scan.

We appreciate the opportunity to be of service. If you should have any questions regarding this report or the services performed, please do not hesitate to call.

Sincerely,

Gary Benzenberg, P.E.
VP Operations



MANUFACTURER'S CERTIFICATE OF PROPER INSTALLATION

TO ENGINEER: STANTEC

PROJECT: CD 5.5 Upgrades of Pump Station 0415 PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Grounding SPEC SECTION: 16060

EQPT SERIAL NO: _____ EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has been:

Proper Installation Check List:

- Installed in accordance with Manufacturer's recommendations.
- Inspected, checked, and adjusted.
- Serviced with proper initial lubricants.
- Electrical and mechanical connections meet quality and safety standards.
- All applicable safety equipment has been properly installed.

FUNCTIONAL TEST CHECKLIST

Has been functionally tested, and meets specified requirements *See NET test report*

Functional Test Date: _____ Start Time: _____ End Time: _____

Has Been Performance tested, meets specified requirements, and is ready for start up

Performance Test Start Date: _____ End Date: _____

Comments: _____

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer, (ii) empowered by the manufacturer to inspect, approve, and operate his equipment and (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 09/19/2019

Manufacturer: _____

By Manufacturer's Authorized Representative: *[Signature]*
Authorized Signature

Fisk Electric

16060

Grounding

3.02	A	<p>Fall-Of-Potential Test:</p> <ol style="list-style-type: none"> 1. In accordance with IEEE 81, Section 8.2.1.5 for measurement of main ground system's resistance. 2. Main ground electrode system resistance to ground to be no greater than 3 ohms. 	<input checked="" type="checkbox"/>
	B	<p>Two-Point Direct Method Test:</p> <ol style="list-style-type: none"> 1. In accordance with IEEE 81, Section 8.2.1.1 for measurement of ground resistance between main ground system, equipment frames and system neutral and derived neutral points. 2. Equipment ground resistance not to exceed main ground system resistance by 0.25 ohms. 	<input checked="" type="checkbox"/>
	C	<p>Test several points of the system including: the neutral of every voltage level used in the system, enclosure of switchgears, motor control centers and panelboards and metal enclosure of outlet or fixture at remote location designated by the Engineer. Initial resistance to ground shall not be over 2.5 ohms for water pipe grounds and 15 ohms for made grounds.</p>	<input checked="" type="checkbox"/>



START-UP SIGN OFF

PROJECT: CD 5.5 Upgrade of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Grounding

SPEC SECTION: 16060

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed Start-Up per Manufacturer's recommendations
- Compliant with Start-Up specification requirements
- Inspected, checked and adjusted
- Equipment is ready for Performance Testing *See NET report*

Start-up Date: _____ Start Time: _____

Start-Up End Date: _____ End Time: _____

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 09/14/2017

Manufacturer's Authorized Representative: *[Signature]*

MDWASD: _____

PM/CM: _____

PK: _____



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Grounding

SPEC SECTION: 16060

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner *See MET Report*

Performance Test Date Start: _____ Start Time: _____

Performance Test End Date: _____ End Time: _____

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 08/19/2019 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Conductors 600 Volts & Under

SPEC SECTION: 16120

EQPT SERIAL NO: _____

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner *See NBT report*

Performance Test Date Start: _____ Start Time: _____

Performance Test End Date: _____ End Time: _____

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 07/19/2009 Manufacturer's Authorized Representative: *[Signature]*

MDWASD: _____

PM/CM: _____

PK: *[Signature]*

CUMMINS/ONAN, Generator Set Test Data Sheet

CUSTOMER: WASD Pump Station 415 PO# 100 111 0291
 GENERATOR MODEL: 682 FPR 2634 GENERATOR S/N: KA-52691-1/21-2
 ENGINE MODEL: NTA 3067 65 ENGINE S/N: 33102954
 RATING KW: 1000 RATING AMPS: 1500 AT 8 PF

PAGE 1 OF 7
 DATE: 4 Sept 19
 TESTER: Jim M / MKW
 WITNESSED BY: [Signature]
 SIGNATURE

NEFA 110 LOAD TEST DATA

TIME	VOLTAGE			CURRENT			HERTZ	KW	WATER TEMP °F	OIL PSI	BATTERY CHARGE RATE	OIL TEMP °F	AMBIENT TEMP °F	HOUR METER	ALTITUDE	OVERSPEED STOP	HIGH WATER TEMP PRE	LOW OIL PRESSURE PRE	OVERCRANK REST
	1-2	2-3	3-1	A	B	C													
925	483	482	483	265	258	253	60	217	142	88	25	116	84	.6	6				25%
940	484	483	483	265	258	253	60	217	128	73	25	181	84	.8	6				25%
955	481	483	483	265	258	253	60	217	178	73	25	188	85	1.0	6				25%
1010	483	482	483	574	563	618	60	488	180	70	25	194	85	1.3	6				48%
1025	483	482	483	574	565	619	60	488	180	71	25	194	86	1.6	6				48%
1040	482	481	482	927	914	979	60	784	183	69	25	263	86	1.8	6				78%
1055	482	481	482	928	915	980	59	785	183	69	25	264	86	2.0	6				78%
1110	482	481	482	929	918	982	59	787	183	69	25	264	86	2.3	6				80%
1125	482	481	482	930	919	983	60	788	183	69	25	264	86	2.6	6				81%
1140	482	481	482	930	918	983	60	788	185	69	25	209	86	2.8	6				81%
1155	482	481	482	930	919	983	60	788	185	69	25	209	86	3.0	6				81%
1210	482	481	482	931	919	984	60	789	185	69	25	206	88	3.3	6				81%
1225	482	481	482	931	919	984	59	789	185	69	25	206	88	3.6	6				81%
1240	482	481	482	931	919	984	59	789	185	69	25	206	88	3.8	6				81%
1255	482	481	482	931	918	985	60	789	185	69	26	206	92	4.0	6				81%
1310	482	481	482	930	919	985	60	789	185	69	26	206	92	4.3	6				81%
1325	482	481	482	931	920	985	60	789	185	69	26	266	92	4.6	6				81%

GENERATOR DATA

ENGINE DATA

REMARKS

SAFETY CONTROL DATA

TIME	VOLTAGE			CURRENT			HERTZ	KW	WATER TEMP °F	OIL PSI	BATTERY CHARGE RATE	OIL TEMP °F	AMBIENT TEMP °F	HOUR METER	ALTITUDE	OVERSPEED STOP	HIGH WATER TEMP PRE	LOW OIL PRESSURE PRE	OVERCRANK REST
	1-2	2-3	3-1	A	B	C													
925	483	482	483	265	258	253	60	217	142	88	25	116	84	.6	6				25%
940	484	483	483	265	258	253	60	217	128	73	25	181	84	.8	6				25%
955	481	483	483	265	258	253	60	217	178	73	25	188	85	1.0	6				25%
1010	483	482	483	574	563	618	60	488	180	70	25	194	85	1.3	6				48%
1025	483	482	483	574	565	619	60	488	180	71	25	194	86	1.6	6				48%
1040	482	481	482	927	914	979	60	784	183	69	25	263	86	1.8	6				78%
1055	482	481	482	928	915	980	59	785	183	69	25	264	86	2.0	6				78%
1110	482	481	482	929	918	982	59	787	183	69	25	264	86	2.3	6				80%
1125	482	481	482	930	919	983	60	788	183	69	25	264	86	2.6	6				81%
1140	482	481	482	930	918	983	60	788	185	69	25	209	86	2.8	6				81%
1155	482	481	482	930	919	983	60	788	185	69	25	209	86	3.0	6				81%
1210	482	481	482	931	919	984	60	789	185	69	25	206	88	3.3	6				81%
1225	482	481	482	931	919	984	59	789	185	69	25	206	88	3.6	6				81%
1240	482	481	482	931	919	984	59	789	185	69	25	206	88	3.8	6				81%
1255	482	481	482	931	918	985	60	789	185	69	26	206	92	4.0	6				81%
1310	482	481	482	930	919	985	60	789	185	69	26	206	92	4.3	6				81%
1325	482	481	482	931	920	985	60	789	185	69	26	266	92	4.6	6				81%

Worn will not hold Full load Eng Re doesn't recover from 90% load.



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Stationary Engine Generator Modifications

SPEC SECTION: 16420

EQPT SERIAL NO: KA-92691-1/21-2

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 11 Sept 19 Start Time: 11 00

Performance Test End Date: 11 Sept 19 End Time: 12 00

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 11 Sept 19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Switchgear Medium Voltage

SPEC SECTION: 16430

EQPT SERIAL NO: 561003691103001

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 9/11/19 Start Time: 11AM
 Performance Test End Date: 9/11/19 End Time: 12:00

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/11/19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: Switchgear Medium Voltage

SPEC SECTION: 16430

EQPT SERIAL NO: 561003691103001

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 9/11/19 Start Time: 11AM

Performance Test End Date: 9/11/19 End Time: 12:00

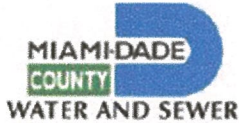
I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/11/19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: 45 KVA TRANSFORMER

SPEC SECTION: _____

EQPT SERIAL NO: 1M0001XPG

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 9/11/19 Start Time: 11:00

Performance Test End Date: 9/11/19 End Time: 12:00

I, the undersigned Manufacturer's Representative, hereby certify the I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/11/19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: [Signature]



PERFORMANCE TESTING SIGN OFF

PROJECT: CD 5.5 Upgrades of Pump Station 0415

PROJECT NO: S-905R

OWNER: Miami-Dade Water & Sewer

EQPT/SYSTEM: AUTOMATIC TRANSFER SWITCH

SPEC SECTION: _____

EQPT SERIAL NO: 561003691102001

EQPT TAG NO: _____

I hereby certify that the above-referenced equipment/system has:

- Successfully completed performance testing per Manufacturer's recommendations
- Compliant with specification testing requirements
- Inspected, checked and adjusted
- Equipment is ready for turn over to the Owner

Performance Test Date Start: 9/11/19 Start Time: 11:00

Performance Test End Date: 9/11/19 End Time: 12:00

I, the undersigned Manufacturer's Representative, hereby certify that I am (i) a duly authorized representative of the manufacturer (ii) empowered by the manufacturer to inspect, approve and operate his equipment (iii) authorized to make recommendations required to assure that the equipment furnished by the manufacturer is complete and operational, except as may be otherwise indicated herein. I further certify that all information contained herein is true and accurate.

Date: 9/11/19 Manufacturer's Authorized Representative: [Signature]

MDWASD: _____

PM/CM: _____

PK: _____