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VIA ELECTRONIC CORRESPONDENCE

August 30, 2017

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File No: 8.DC.19 & 20

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

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Florida Department of Environmental Protection
Southeast District – West Palm Beach
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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 19(h) – WWTP Operations and Maintenance Program
Clarification of Maintenance of the WWTP Outfall Piping Systems Contained in WWTP OMP

Dear Sir/Madam:

On May 5, 2015, Miami-Dade County (“County”) submitted the Wastewater Treatment Plant Operations and Maintenance Program (WWTP OMP) to the Environmental Protection Agency (“EPA”) and the Florida Department of Environmental Protection (“FDEP”) for review and comment in accordance with Section VI, Paragraph 19(h) of the Consent Decree. EPA and FDEP provided its comments on August 18, 2016 and the County responded to the comments on November 21, 2016. The attached table lists the WWTP equipment requiring prioritization pursuant to CD Section VI, Paragraph 19(h)(i) and its associated description in the Enterprise Asset Management System list in Appendix E. As seen on page 8 of the table, the outfall, i.e. the effluent piping systems at both North District and Central District WWTPs are included in this list.

Section 03.02.2 Implementation of the WWTP OMP details phased implementation activities that will develop a sustainable maintenance work management and asset renewal program as well as maintain an asset register of the listed equipment.

Upon full implementation of the Sewer System Asset Management Program and life cycle cost analysis, a maintenance schedule for the outfall will be developed. In addition, the County will perform deep dive inspections of the entire route of both outfalls every 5 years as well as after every major storm event (i.e. Category 1 Hurricane and higher as determined by NOAA). Please note that an underwater inspection of the both outfall pipes is currently being performed.

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

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.

Sincerely,



Bertha M. Goldenberg, P.E., ENV SP, LEED® Green Associate
Assistant Director, Planning and Regulatory Compliance

Attachment A: CD Description of Equipment vs. WWTP OMP Appendix E Equipment EAMS
Description Table

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Attachment A

CD Description of Equipment vs. WWTP OMP Appendix E Equipment EAMS Description Table

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
(A). In-plant raw sewage conveyance, including, but not limited to, raw sewage transmission pipes, flow meters and valves		
Transmission pipes (piping)	NDWWTP-INFLUENT PIPING	544, 597, 702
	NDWWTP-PRETREATMENT PIPING	544
	NDWWTP-PLANT BYPASS PIPING	544
	CDWWTP-INFLUENT PIPING SYSTEM	597
	CDWWTP-PRETREATMENT PIPING SYSTEM	597
	CDWWTP-PLANT BYPASS PIPING SYSTEM	597
	SDWWTP-INFLUENT PIPING SYSTEM	702
	SDWWTP-PRETREATMENT PIPING SYSTEM	702
	SDWWTP-PLANT BYPASS PIPING	702
Flow meters	GRIT BLDG-INFLUENT FLOW METER 1, 2 and 3	549
	PRETREAT-INFLUENT FLOW METER FT102 - FT105	554, 555
	PRIM SLDG PMPG ST1-PRIM CLARIFIER 1 FLOW METER	561
	4TH ST-FLOW METER 1 - 4	692, 695
	9TH ST-STATION FLOW METER	700
Valves	GRIT BLDG-GRIT CHMB EFF DIVERTER VALVE NORTH, SOUTH	548
	PRETREAT-DEGRITTER OVERFLOW BY PASS VALVE	550
	PRETREAT-MAIN DEGRITTER BY PASS VALVE	550
	PRETREAT-EAST INFLUENT VALVE	552
	PRETREAT-EAST/WEST EQUALIZATION VALVE	552
	PRETREAT-FORCE MAIN SURGE VALVE CONTROL	552
	PRETREAT-WEST INFLUENT VALVE	552
	4TH ST-RAW WASTE DISCHARGE VALVE	696

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
(B). Pretreatment screening, including, but not limited to, bar screen equipment, perforated plate screen equipment, concrete channels and structures, and screening collection, compaction and conveyance equipment		
Bar screen equipment	GRIT BLDG-BARSCREEN 1 -3	548
	GRIT BLDG-BARSCREEN	548
	GRIT BLDG-BARSCREEN CATHODIC PROTECTION PANEL	549
	PRETREAT-BARSCREEN 1-6	549,550
	PRETREAT-BARSCREEN HOIST 1-2	554
Perforated plate screen equipment	GRIT BLDG 2-PERFORATED PLATE SCREEN EAST SYSTEM, WEST SYSTEM	706, 708
Concrete channels		
Concrete structures	GRIT BLDG-MAIN DISTRIBUTION CENTER EAST	549
Screening collection	GRIT BLDG-GRIT COLLECTOR TROLLY CRANE	549
	GRIT BLDG 1-GRIT COLLECTOR NORTH, EAST, WEST	620, 706, 707
	GRIT BLDG 2-GRIT COLLECTOR NORTH, SOUTH, EAST, WEST	651, 708
Screening compaction		
Conveyance equipment	GRIT BLDG-BARSCREEN CONVEYOR BELT 1-2	548
	GRIT BLDG-BARSCREEN TROLLY CRANE	549
	GRIT BLDG 2-BARSCREEN CONVEYOR BELT 1, 2	708
(C). Influent grit chamber equipment, including but not limited to, aeration equipment and physical grit removal equipment (e.g., chains and pins, gear boxes, motors, conveyors, etc.)		
Aeration equipment	GRIT BLDG 1-AERATION BLOWER 1-2	621, 651, 707, 709
	RTN SLDG FINAL SETTLING TANKSAERATION DIFFUSER	630, 663
	RTN SLDG ST3-AERATION BLOWER 1-2	633, 667

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
	GRIT BLDG 2-AERATION ISOLATION	652
Physical grit removal equipment	GRIT BLDG-BARSCREEN 1-3	548
	PRETREAT-BARSCREEN 1-6	549
	PRETREAT-BARSCREEN HOIST 1	554
Chains and pins		
Gear boxes		
Motors	GRIT BLDG-MOTOR CONTROL CENTER A & B	549
Conveyors	GRIT BLDG-BARSCREEN CONVEYOR BELT 1 -2	548
	GRIT BLDG-BARSCREEN TROLLY CRANE	549
(D). Primary clarifiers, including, but not limited to, concrete tank and structures, scum skimmer equipment, sludge collection mechanism and equipment, covers, ventilation systems, and primary sludge pumping systems		
Concrete tank and structures	RTN SLDG ST2-SEAL WATER TANK	632
	SLUDGE CONC TANK 1-SLUDGE CONCENTRATION TANK 1-2	725
Scum skimmer equipment	PRIM SLDG PMPG ST1-PRIMARY SCUM BAR SCREEN	562, 585
Sludge collection mechanism and equipment	PRIM SLDG PMPG ST1-HOIST	563
	RTN SLDG ST5-SCUM LIFT BLOWER	588
Covers		
Ventilation systems	PRIM SLDG PMPG ST1-AIR SCRUBBER	560, 565
	PRIM SLDG PMPG ST1-AIR SUPPLY FAN 1	561, 562, 563, 584
Primary sludge pumping systems	PRIM SLDG PMPG ST1-PRIMARY SLUDGE PUMP 1	562, 592
	RTN SLDG ST1-WASTE SLUDGE PUMP 1	566, 587
	RTN SLDG ST1-RETURN SLUDGE PUMP 1	565, 631
	PRIM SLDG PMPG ST1-FLOOR DRAIN PUMP 1	561, 562

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
(E). Aeration/oxygenation tank equipment, including but not limited to, motors, aeration blades, effluent trough screens, effluent trough air diffusion equipment and oxygen generation equipment		
Motors	O2 PLANT 1-MOTOR CONTROL CENTER 3	582
	O2 PLANT 2-MOTOR CONTROL CENTER 2	589
	O2 FACILITY 1-MOTOR CONTROL CENTER A-B	602
	O2 FACILITY 1-MOTOR CONTROL CENTER DRIOX	603
	O2 PLANT 1-MOTOR CONTROL CENTER A	626
Aeration blades		
Effluent trough screens	O2 TRAIN 3-BARSCREEN 1	628
	OXYGEN TRAIN PLANT 2 MIX LIQUOR CHANEL BARSCREEN 1	658
Effluent trough air diffusion equipment	O2 TRAIN 2-DIFFUSION BLOWERS	715
Oxygen generation equipment	O2 TRAIN 3-OXYGENATION TRAIN 3 MIXER 1	559
	O2 TRAIN 1-OXYGENATION TANK 1	583
	O2 TRAIN 1-OXYGEN FLOW	713
	AERATION TANKS-AERATION TANKS	627
(F). Final settling tank equipment, including, but not limited to, scum skimmer equipment, sludge collection mechanism and equipment, covers, ventilation systems, effluent weirs, and concrete tank and structures		
Scum skimmer equipment	FINAL SETTLING TNK 1-SCUM TROUGH	630, 664
	FINAL SETTLING TNK 1-SCUM BARSCREEN 1	663, 664
Sludge collection mechanism and equipment		
Covers		
Ventilation systems		
Effluent weirs	FINAL SETTLING TANKS EFFLUENT CHANEL HOIST SYSTEM	663
Concrete tank and structures	FINAL SETTLING TNK 1-FINAL SETTLING TANK 1-6	630, 631, 663, 664

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
(G). Return activated sludge ("RAS") equipment, including but not limited to, pump control equipment, RAS pumps and physical equipment (e.g., air conditioning);		
Pump control equipment	RTN SLDG ST1-FLOOR DRAIN PUMP 1-2	564
	RTN SLDG ST1-EMERGENCY HURRICANE PUMP	566
	RTN SLDG ST3-TANK DRAIN PUMP 1	585
	RTN SLDG ST1-SUMP PUMP 1	564, 566
RAS pumps	RTN SLDG ST3-RETURN SLUDGE PUMP 1	586
	RTN SLDG ST1-WASTE SLUDGE PUMP 1	566
	RTN SLDG ST1-SCUM PUMP 1	565
Physical equipment (e.g., air conditioning)	RTN SLDG ST1-AIR SUPPLY FAN 1	565
	RTN SLDG ST1-AIR COMPRESSOR	565
	RTN SLDG ST1-SCRUBBER BLOWER 1	565
	RTN SLDG ST1-AIR SCRUBBER 1-4	564
	RTN SLDG ST1-SECONDARY CLARIFIER 1-4	564
(H). Sludge thickener and digester equipment, including but not limited to, sludge digester tanks/covers, gas and sludge mixers, heat exchangers and internal pumps		
Sludge digester tanks/covers	DIGESTER TANK 5-DOME EXHAUST FAN	642
	DIGESTER TANK 5-TANK COVER	643
	DIGESTER TANK 5-DIGESTER TANK 5	643
	DIGESTER TANK 5-MIXER 1-3	643
	DIGESTER TANK 4-TANK COVER	675
Gas and sludge mixers	DIGESTER TANK 5-MIXER 1-3	643
	DIGESTER TANK 1-MIXER 1-3	674
Heat exchangers	DIG CLST CTRL BLDG 1-HEAT EXCHANGER 1	638, 639
	SLDG DEWTR BLDG-COMPOST PILE AIR HEAT EXCHANGER	609
	DIG CLST CTRL BLDG 2-HEAT EXCHANGER 1	642, 677
	DIG CLST CTRL BLDG 1-HEAT EXCHANGER 1	673, 685
	SLDG DEWTR BLDG-COMPOST HEAT EXCHANGER	609

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
Internal pumps	DIG CLST CTRL BLDG 2-TRANSFER PUMP 1	637, 676, 684, 727
	DIG CLST CTRL BLDG 1-RECIRCULATION PUMP 1	727, 731
	DIG CLST CTRL BLDG 3-SUMP PUMP 1	679, 683, 726
	DIG CLST CTRL BLDG 1-GAS BOOSTER PUMP 1	727
	DIG CLST CTRL BLDG 1-SEAL WATER PUMP 1	727
	BLOWER BLDG-DIGESTER HOT WATER PUMP 1-3	646, 736
(I). Sludge dewatering, including, but not limited to, centrifuge equipment, polymer systems, centrate handling and on-site sludge hauling and transferring vehicles		
Centrifuge equipment	SLDG DEWTR BLDG-CENTRIFUGE 1-4-8	606, 607, 734
	SLDG DEWTR BLDG-SLUDGE PUMP 1 SYSTEM	734
Polymer systems	SLDG DEWTR BLDG-POLYMER AIR SUPPLY	734
	SLDG DEWTR BLDG-POLYMER FEED PUMP 1-4-8	605, 606, 610, 734
	SLDG DEWTR BLDG-POLYMER HOLDING TANK 1	606, 734
	SLDG DEWTR BLDG-POLYMER PREPARATION SYSTEM 1-2	734
	SLDG DEWTR BLDG-POLYMER WATER BOOSTER PUMP 1	735
	SLDG DEWTR BLDG-POLYMER PREP/FEEDER SYSTEM 1-3	606
	SLDG DEWTR BLDG- POLYMER SYSTEM HOIST 1	609
	SLDG DEWTR BLDG-POLYMER TRANSFER PUMP 1, PUMP 2, STANDBY	606, 734
Centrate handling	SLDG DEWTR BLDG-CENTRATE PUMP	734
	SLDG DEWTR BLDG-CENTRATE GAS BLOWERS 1 & 2	606
	SLUDGE DEWATERING BLDG HOIST SYSTEM	734

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
On-site sludge hauling and transferring vehicles	SLDG DEWTR BLDG-DEWATERED SLDG CONVEYOR 1 (SOUTH), 2 (NORTH)	734
(J). Effluent disinfection, including, but not limited to, chlorine gas equipment, bulk hypochlorite solution storage, on-site hypochlorite generation equipment, and chlorine solution dosage and distribution equipment		
Chlorine gas equipment	CL2 BLDG-CHLORINE CYLINDER SCALE 1-4	568
	CL2 BLDG-CHLORINE EVAPORATOR 1,3	568
	CL2 BLDG-CHLORINE EVAPORATOR 5, 7	569
	CL2 BLDG-GAS CHLORINE FEED	569
Bulk hypochlorite solution storage	RSPS 3 HYPOCHLORITE STOR & DIST SPILL DISPOSAL SYS	588
	RSPS3 HYPOCHLORITE STORAGE AND DISTRIB FEED SYSTEM 1	588
	RSPS 3 HYPOCHLORITE STORAGE TANK SYSTEM	588
	AUX HYPOCHLORITE STORAGE TANK 1 SYSTEM	572
	AUX HYPOCHLORITE STOR & DIST SPILL DISPOSAL SYS	571
On-site hypochlorite generation equipment	ON-SITE CHLORINATION HYPOCHLORITE FEED SYSTEM	571
	RSPS 1 HYPOCHLORITE FEED SYSTEM	571
Chlorine solution dosage and distribution equipment	CL2 BLDG-CHLORINATOR 1	569
	CL2 BLDG-CHLORINE SOLUTION FEED	569
	CL2 BLDG-CHLORINE INJECTION WATER PUMP 1	569
	EFF PUMP STATION-CHLORINE ANALYZER 1	575, 613

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
(K). Chlorine contact chamber, including, but not limited to, concrete tank, diffuser and structures		
Concrete tank	FINAL SETTLING TNK 6-CHLORINE DIFFUSER	663, 664
Diffuser	FINAL SETTLING TNK 6-CHLORINE DIFFUSER	664
Structures	CL2 CONTACT CHMB 5-9	742
	CL2 BLDG-CHLORINE CONTACT CHAMBER	738
(L). Effluent disposal, including, but not limited to, effluent pumping equipment, effluent wet well, effluent surge tank, effluent outfalls and diffusers, effluent deep injection wells, industrial and public reuse treatment and distribution equipment		
Effluent pumping equipment	EFF PUMP STATION-SUMP PUMP 1, 2	572
	EFF PUMP STATION-EFFLUENT PUMP CONTROL PANEL	572
	PUMP STATION-HYDROPNEUMATIC SYSTEM, 1, 2	572, 573
	EFF PUMP STATION-BEARING WATER PUMP 1, 2, 3, 4	575
	EFF PUMP STATION-EFFLUENT PUMP 1, 2, 3, 4, 5, 6, 7, 8	574, 612
	EFF PUMP STATION-SAMPLE PUMP 1, 2	612
	EFF PUMP STATION-HYDROPNEUMATIC SYSTEM CENTER, EAST, WEST	740
Effluent wet well	TRANSFER PUMP STATION-EFFLUENT WET WELL	742
	EFF PUMP STATION-WET WELL BUBBLER PANEL EAST	740
Effluent surge tank	EFF PUMP STATION-EFFLUENT SURGE TANK 1-4	741
Effluent outfalls	EFF PUMP STATION-EFFLUENT OUTFALL FLOW METER	574
	EFF PUMP STATION-OUTFALL HEADER EAST, WEST	574
Effluent diffusers		
Effluent deep injection wells	INJ WELL PUMP STA-INJECTION PUMP 1-4	578
	INJECTION WELL 01-INJECTION WELL 01-04	580
	INJECTION WELL 01-INJECTION WELL 01-04	746, 747

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
Industrial and public reuse treatment	EFF REUSE FILTERS-EFFLUENT REUSE FILTER 1-7	581
	EFF REUSE PUMP STA-FIU PRIMARY PUMPS	582
Distribution equipment		
(M). Yard piping, including, but not limited to, pipes, flow metering and valves		
Pipes	RTN SLDG ST2- SUCTION PIPE INTERCONNECT	722
	RTN SLDG ST2- DISCHARGE PIPE INTERCONNECT	722, 723
Flow metering	GRIT BLDG-INFLUENT FLOW METER 1, 2, 3	549
	PRETREAT-INFLUENT FLOW METER FT102, FT103, FT104, FT105	554, 555
	PRIM SLDG PMPG ST1-PRIM CLARIFIER 1, 2, 3, 4 FLOW METER	561, 562
Valves	PRETREAT-EAST INFLUENT VALVE	552
	GRIT BLDG-GRIT CHMB EFF DIVERTER VALVE, NORTH, SOUTH	548
(N). Odor control systems, including, but not limited to, air scrubbing towers, blower equipment and duct work, and chemical storage and metering equipment;		
Air scrubbing towers	AIR SCRUB BLDG 1 - ODOR CONTROL FOGGER INLET FILTER BANK	555
	AIR SCRUB BLDG 1 - ODOR CONTROL FOGGER PUMP 1-4	555
	AIR SCRUBBER BLDG-AIR SCRUBBER 1	555
Blower equipment and duct work	SLDG STORAGE BLDG 2-ODOR CONTROL	611
Chemical storage		
Metering equipment		
(O) Tertiary treatment, including, but not limited to, screw pump equipment, flocculation tanks, polymer system, and deep bed sand filter equipment		
Screw pump equipment		
Flocculation tanks	FILTRATION SYSTEM NORTH-FLOCCULATION TANK SYSTEM	704
Polymer system	SLDG DEWTR BLDG- POLYMER SYSTEM HOIST 1, 2, 3	609

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
Deep bed sand filter equipment		
(P). Biosolids handling, including, but not limited to, sludge drying beds, composting equipment, and biosolids handling heavy equipment		
Sludge drying beds	SLDG DRYING BEDS-TRANSFER PUMP EAST, WEST	610
Composting equipment		
Biosolids handling heavy equipment		
(Q). Septage, fats, oils, and grease receiving facility, including, but not limited to, septic truck receiving station equipment, septage screening equipment, and solids/ liquid/scum separation equipment		
Septic truck receiving station equipment		
Septage screening equipment	GRIT BLDG-SEPTAGE PUMP TROLLY CRANE	549
	GRIT BLDG 1-SEPTAGE PUMP 1, 2	621
	GRIT BLDG 1-SEPTAGE PUMP CONTROL PANEL	621
	SEPTAGE UNLOADING ST-STEPDOWN TRANSFORMER	622
	SEPTAGE UNLOADING ST-ROLL UP DOOR 1, 2, 3, 4, 5, 6, 7, 8	622
	RTN SLDG ST3-TOTAL SUSPENDED SOLIDS ANALYZER	587
Solids/ liquid/scum separation equipment	RTN SLDG ST4-TOTAL SUSPENDED SOLIDS ANALYZER	588
	SEPTAGE UNLOADING ST SCUM BARSCREEN	622
	FINAL SETTLING TNK 1-SCUM TROUGH	630
	FINAL SETTLING TNK 6-SCUM BARSCREEN 1	631
	FINAL SETTLING TNK 6-SCUM PUMP 1, 2	631
	FINAL SETTLING TNK 1-SCUM BARSCREEN 1	663
	FINAL SETTLING TNK 1-SCUM PUMP 1, 2	663
	FINAL SETTLING TNK 5-SCUM TROUGH	664
	FINAL SETTLING TNK 10-SCUM BARSCREEN 2	664
	FINAL SETTLING TNK 10-SCUM PUMP 3	665

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
	FINAL SETTLING TNK 10-SCUM PUMP 4	665
	RTN SLDG ST1-SCUM BARSCREEN 1, 2	720
	RTN SLDG ST1-SCUM PUMP, 1, 2, 3, 4	720, 721
	RTN SLDG ST2-SCUM BARSCREEN 1, 2	721
	RTN SLDG ST2-SCUM PUMP, 1, 2, 3, 4	722
	RTN SLDG ST3-SCUM BARSCREEN 1, 2	723
	RTN SLDG ST3-SCUM PUMP, 1, 2, 3, 4	723
	F.O.G. BLDG-SCUM REMOVAL BARSCREENS	743
	F.O.G. BLDG-SCUM PUMPING SYSTEM	743
(R). Laboratory, training and administration facilities		
Laboratory	ADMIN BLDG-LABORATORY NORTH, SOUTH EYE, WASH/SHOWER	599
Training		
Administration facilities		
(S). Ferric salts dosing facilities		
Ferric salts dosing facilities		
(T). WWTP electrical equipment, including, but not limited to, motor control centers, remote telemetry units, metering, SCADA equipment, electrical conduit, electrical breakers, on-site emergency generators, biogas conveyance, biogas condition systems, methane storage spheres, and combined heat and power co-generation equipment		
	GRIT BLDG-MOTOR CONTROL CENTER A & B	549
	PRETREAT-MOTOR CONTROL CENTER 1, 2	553
	O2 FACILITY 1-MOTOR CONTROL CENTER 4, A, B, DRIOX, 1, 2	556, 602, 603, 712, 713
	O2 FACILITY 2-MOTOR CONTROL CENTER I, 1, 2, 4, 6	558, 603
	PRIM SLDG PMPG ST1-MOTOR CONTROL CENTER 1, 2	562
	RTN SLDG ST1-MOTOR CONTROL CENTER 1, 2, A, B	566, 631, 666, 721

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
	CL2 BLDG-MOTOR CONTROL CENTER SECTION 1A, 1B, A	570, 739
	CL2 BLDG-MOTOR CONTROL CENTER SECTION 2A, 2B	570
	CL2 BLDG-MOTOR CONTROL CENTER SECTION 1, 2	570
	EFF PUMP STATION-MOTOR CONTROL CENTER 1, 2	575
	INJ WELL PUMP STA-MOTOR CONTROL CENTER A, B	579
	O2 PLANT 1-MOTOR CONTROL CENTER 3, A, 1	582, 626, 749
	RTN SLDG ST3-MOTOR CONTROL CENTER, 3	587, 667
	RTN SLDG ST4-MOTOR CONTROL CENTER 11, 4	588, 667
	RTN SLDG ST5-MOTOR CONTROL CENTER 12, 5	588, 668
	O2 PLANT 2-MOTOR CONTROL CENTER 2, B	589, 658, 750
	PRIM SLDG PMPG ST2-MOTOR CONTROL CENTER PSPS 3, 4	592
	PRIM SLDG PMPG ST2-MOTOR CONTROL 3, 4	592
	RTN SLDG ST2-MOTOR CONTROL CENTER, 1, 2	595, 666, 723
	CONTROL BLDG-MOTOR CONTROL CENTER D, E	605, 749
	SLDG DEWTR BLDG-MOTOR CONTROL CENTER D, F, 1	608, 734
	EFF PUMP STATION-MOTOR CONTROL CENTER A, B	613
	GRIT BLDG 1-MOTOR CONTROL CENTER	621
	AIR SCRUB BLDG 1-MOTOR CONTROL CENTER	623710
	AIR SCRUB BLDG 3-MOTOR CONTROL CENTER	625, 712
Motor control centers	CONTROL BLDG-MOTOR CONTROL CENTER A, B	630
	RTN SLDG ST1-MOTOR CONTROL CENTER 2	632
	RTN SLDG ST3-MOTOR CONTROL CENTER 1, 2, 3	633, 667

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
	SLDG CONC BLDG 1-MOTOR CONTROL CENTER 1, 2	635
	DIG CLST CTRL BLDG 1-MOTOR CONTROL CENTER	639
	DIG CLST CTRL BLDG 2-MOTOR CONTROL A, B, 1, 2	642
	BLOWER BLDG-MOTOR CONTROL CENTER, A, B, NORTH, SOUTH	646, 647, 677
	CL2 BLDG 1-MOTOR CONTROL CENTER	650
	AIR SCRUB BLDG 2, 4, 5-MOTOR CONTROL CENTER	653, 655, 657, 711
	SLDG CONC BLDG 2-MOTOR CONTROL CENTER A, B	670
	DIG CLST CTRL BLDG 1-MOTOR CONTROL CENTER	673, 728
	DIG CLST CTRL BLDG 3-MOTOR CONTROL CENTER	681
	DIG CLST CTRL BLDG 4-MOTOR CONTROL CENTER	685
	GAS COMPRESSION BLDG-MOTOR CONTROL CENTER GCB	687
	CL2 BLDG 2-MOTOR CONTROL CENTER A, B	690
	4TH ST-MOTOR CONTROL CENTER	695
	9TH ST-MOTOR CONTROL CENTER	699
	MAINT BLDG-MOTOR CONTROL CENTER SYSTEM	703
	GRIT BLDG 2-MOTOR CONTROL CENTER D	709
	SLDG CONC BLDG-MOTOR CONTROL CENTER A, B	725
	FILTER POLYMER BLDG-MOTOR CONTROL CENTER	726
	BOILER BLDG-MOTOR CONTROL CENTER	735
	CO-POWER/SECONDARY-MOTOR CONTROL CENTER	737
	EFF PUMP STATION-MOTOR CONTROL CENTER A, B, C, D	741

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
	CONTROL BUILDING 5-8-MOTOR CONTROL CNTR F UNOX 5/6	750
	CONTROL BUILDING 5-8-MOTOR CONTROL CNTR G UNOX 7/8	751
Remote telemetry units		
Metering	MAIN SWITCH BLDG-FLA POWER & LIGHT	576
SCADA equipment	SCADA OFFICE TRAILER-POWER AND LIGHTING	545
	SCADA OFFICE TRAILER-POWER PANEL PL	545
Electrical conduit		
Electrical breakers	MAIN SWITCH BLDG-AGS BLDG MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-NORTH, SOUTH TRANS MAIN BREAKER	576
	MAIN SWITCH BLDG-O2 PLNT 1&2 MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-PRETREAT. MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-RSPS 1, 2 MAIN BREAKER	576
	MAIN SWITCH BLDG-EFFLUENT PS MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-EMER. POWER MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-NORM. POWER MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-MAIN SWGR. TIE BREAKER 1, 2	576
	MAIN SWITCH BLDG-INJ WELL PS MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-O2 PLANT 3 MAIN BREAKER 1, 2	576
	MAIN SWITCH BLDG-RSPS 3 MAIN BREAKER 1, 2	576
	On-site emergency generators	4TH ST-EMERGENCY GENERATOR 1, 2
9TH ST-EMERGENCY GENERATOR 1, 2 DC POWER		699
Biogas conveyance		
Biogas condition systems		
Methane storage spheres		

Description in CD	CD Listed Equipment in Appendix E	Page in Appendix E
Combined heat and power co-generation equipment		