

Unit 1 Specifications and Systems List

Systems

| | |
|-----|-----------------------------------|
| APB | AC Power Supply (120/208 Volts) |
| APC | AC Power Supply (480 Volts) |
| APD | AC Power Supply (4160 Volts) |
| APF | AQCS Reserve Power Supply |
| APH | DC Power Supply |
| API | Uninterruptible Power Supply |
| ASB | Fly Ash |
| BSA | Buildings and Enclosures |
| CAB | AQCS Compressed Air |
| CCB | Pulse Jet Fabric Filter |
| CCE | Induced Draft |
| CCH | Powder Activated Carbon Injection |
| CMA | Communication |
| COA | Control and Monitoring |
| EEA | Freeze Protection |
| EEB | Grounding |
| FPA | Fire Protection |
| LTA | Lighting |
| SGM | Neural Network |
| STA | Site |
| WSC | AQCS Service Water |

Specifications

Civil / Structural Purchase Contracts:

| | |
|---------|--|
| 61.0800 | Concrete |
| 61.3801 | Ductwork and Breeching |
| 61.3803 | Ductwork Expansion Joints |
| 61.4001 | Structural Steel |
| 61.4006 | Metal Roof Deck and Concrete Deck Form |

Architectural Purchase Contracts:

| | |
|---------|---------------------------|
| 62.0942 | Building Insulation |
| 62.3200 | Building HVAC |
| 62.0800 | Fire Protection Equipment |

Electrical Purchase Contracts:

| | |
|---------|--|
| 63.0000 | Electrical Equipment & Materials |
| 63.0501 | Lightning Protection Equipment and Materials |
| 63.0601 | Plant Communication System |
| 63.0604 | Plant Security System |
| 63.0700 | Cathodic Protection |
| 63.0801 | Medium Voltage Power Cable |
| 63.0824 | Cable - 600V Control - Non-Class 1E |

| | |
|---------|--|
| 63.0840 | Cable - 300-600V Instrument & T/C - Non-Class 1E |
| 63.1201 | Iso-Phase Bus Duct |
| 63.1206 | Cable Bus |
| 63.2000 | Metering & Relaying |
| 63.2001 | Protective Relay Panels |
| 63.2600 | Raceway - General |
| 63.2601 | Raceway - Duct Bank Materials |
| 63.2605 | Wireways |
| 63.2610 | Raceway - Cable Tray |
| 63.2800 | UPS System |
| 63.2801 | Batteries - DC Equipment |
| 63.2805 | Panel Boards |
| 63.2806 | 125V DC Distribution Panel |
| 63.3000 | Motor Control Centers Equipment |
| 63.3002 | Variable Frequency Drives |
| 63.3600 | Switchgear and Motor Control Assemblies |
| 63.3601 | Medium Voltage Switchgear |
| 63.3602 | Medium Voltage Controllers |
| 63.3802 | Aux Transformer |
| 63.5001 | Lighting |
| 63.5002 | Junction Boxes |
| 63.5030 | Welding System |
| 63.5500 | Grounding Materials and Equipment |
| 63.6210 | Disconnect Switches |

Control Purchase Contracts:

| | |
|---------|-----------------------------------|
| 64.0202 | DCS / PLC mods |
| 64.0203 | Misc Control Loop System |
| 64.0404 | Vibration Monitoring |
| 64.0407 | Neural Networks |
| 64.0602 | Primary Flow elements |
| 64.0607 | Sight Flow Indicators |
| 64.0613 | Flow Meters |
| 64.0801 | Transmitters - Level |
| 64.0805 | Switches - Level |
| 64.1001 | Transmitters - Pressure |
| 64.1002 | Indicators - Pressure |
| 64.1202 | Indicators - Temperature |
| 64.1203 | Thermocouple Assemblies & TWS |
| 64.1601 | Control Cabinets & Control Panels |
| 64.1602 | Instr. Racks and Enclosures |
| 64.5010 | Tubing |
| 64.5050 | Instrument Stands |

Environmental Chemical Purchase Contracts:

65.3120 Pulse Jet Fabric Filter
65.3500 PAC Mercury Control
65.4100 Safety Showers

Mechanical Materials Purchase Contracts:

66.1000 Pipe and Piping Accessories
66.2070 Pipe Supports (Purchaser Designed)
66.3000 Valves

Mechanical Equipment Purchase Contracts:

67.0400 Fly Ash Handling
67.5300 Shop Fabricated Tanks
67.9532 Booster Fans

Civil / Structural Construction Contracts:

71.0402 General Construction - Substructures
71.0403 General Construction - Superstructures

Architectural Construction Contracts:

72.0600 Field Applied Protective Coatings

Electrical / Control Construction Contracts:

73.0201 Electrical Equipment Erection
73.0205 Iso-Phase Bus Duct Installation
73.0900 Freeze Protection

Control and Instrumentation Construction Contracts:

74.0200 Control & Instrumentation Installation

Mechanical Materials Construction Contracts:

76.1000 Plant Piping Installation
76.2010 Insulation and Lagging – Installation Only

Mechanical Equipment Construction Contracts:

77.0000 Mechanical Equipment Erection
77.5450 Field Erected Tanks

Unit 2 Specifications and Systems List

Systems

| | |
|-----|-----------------------------------|
| APB | AC Power Supply (120/208 Volts) |
| APC | AC Power Supply (480 Volts) |
| APD | AC Power Supply (4160 Volts) |
| APF | AQCS Reserve Power Supply |
| APH | DC Power Supply |
| API | Uninterruptible Power Supply |
| ASB | Fly Ash |
| BSA | Buildings and Enclosures |
| CAB | AQCS Compressed Air |
| CCB | Pulse Jet Fabric Filter |
| CCE | Induced Draft |
| CCF | Selective Catalytic Reduction |
| CCH | Sorbent Injection |
| CCH | Powder Activated Carbon Injection |
| CGE | Ammonia Supply |
| CMA | Communication |
| COA | Control and Monitoring |
| EEA | Freeze Protection |
| EEB | Grounding |
| FPA | Fire Protection |
| LTA | Lighting |
| SGM | Neural Network |
| STA | Site |
| WSC | AQCS Service Water |

Specifications

Civil / Structural Purchase Contracts:

| | |
|---------|--|
| 61.0800 | Concrete |
| 61.3801 | Ductwork and Breeching |
| 61.3803 | Ductwork Expansion Joints |
| 61.4001 | Structural Steel |
| 61.4006 | Metal Roof Deck and Concrete Deck Form |

Architectural Purchase Contracts:

| | |
|---------|---------------------------|
| 62.0942 | Building Insulation |
| 62.3200 | Building HVAC |
| 62.0800 | Fire Protection Equipment |

Electrical Purchase Contracts:

| | |
|---------|--|
| 63.0000 | Electrical Equipment & Materials |
| 63.0501 | Lightning Protection Equipment and Materials |
| 63.0601 | Plant Communication System |
| 63.0604 | Plant Security System |

| | |
|---------|--|
| 63.0700 | Cathodic Protection |
| 63.0801 | Medium Voltage Power Cable |
| 63.0824 | Cable - 600V Control - Non-Class 1E |
| 63.0840 | Cable - 300-600V Instrument & T/C - Non-Class 1E |
| 63.1201 | Iso-Phase Bus Duct |
| 63.1206 | Cable Bus |
| 63.2000 | Metering & Relaying |
| 63.2001 | Protective Relay Panels |
| 63.2600 | Raceway - General |
| 63.2601 | Raceway - Duct Bank Materials |
| 63.2605 | Wireways |
| 63.2610 | Raceway - Cable Tray |
| 63.2800 | UPS System |
| 63.2801 | Batteries - DC Equipment |
| 63.2805 | Panel Boards |
| 63.2806 | 125V DC Distribution Panel |
| 63.3000 | Motor Control Centers Equipment |
| 63.3002 | Variable Frequency Drives |
| 63.3600 | Switchgear and Motor Control Assemblies |
| 63.3601 | Medium Voltage Switchgear |
| 63.3602 | Medium Voltage Controllers |
| 63.3802 | Aux Transformer |
| 63.5001 | Lighting |
| 63.5002 | Junction Boxes |
| 63.5030 | Welding System |
| 63.5500 | Grounding Materials and Equipment |
| 63.6210 | Disconnect Switches |

Control Purchase Contracts:

| | |
|---------|-----------------------------------|
| 64.0202 | DCS / PLC mods |
| 64.0203 | Misc Control Loop System |
| 64.0404 | Vibration Monitoring |
| 64.0407 | Neural Networks |
| 64.0602 | Primary Flow elements |
| 64.0607 | Sight Flow Indicators |
| 64.0613 | Flow Meters |
| 64.0801 | Transmitters - Level |
| 64.0805 | Switches - Level |
| 64.1001 | Transmitters - Pressure |
| 64.1002 | Indicators - Pressure |
| 64.1202 | Indicators - Temperature |
| 64.1203 | Thermocouple Assemblies & TWS |
| 64.1601 | Control Cabinets & Control Panels |
| 64.1602 | Instr. Racks and Enclosures |
| 64.5010 | Tubing |
| 64.5050 | Instrument Stands |

Environmental Chemical Purchase Contracts:

| | |
|---------|--|
| 65.1113 | Ammonia Supply/Storage |
| 65.3230 | SO ₃ Removal System (Sorbent Injection) |
| 65.3120 | Pulse Jet Fabric Filter |
| 65.3310 | NO _x Reduction System |
| 65.3311 | NO _x Catalyst |
| 65.3500 | PAC Mercury Control |
| 65.3600 | Continuous Emissions Monitoring (CEM) |
| 65.4100 | Safety Showers |

Mechanical Materials Purchase Contracts:

| | |
|---------|------------------------------------|
| 66.1000 | Pipe and Piping Accessories |
| 66.2070 | Pipe Supports (Purchaser Designed) |
| 66.3000 | Valves |

Mechanical Equipment Purchase Contracts:

| | |
|---------|--------------------------|
| 67.0400 | Fly Ash Handling |
| 67.5300 | Shop Fabricated Tanks |
| 67.9532 | Booster Fans |
| 67.9600 | Dampers (excluding HVAC) |

Civil / Structural Construction Contracts:

| | |
|---------|--|
| 71.0100 | Demolition Works |
| 71.0402 | General Construction - Substructures |
| 71.0403 | General Construction - Superstructures |

Architectural Construction Contracts:

| | |
|---------|-----------------------------------|
| 72.0600 | Field Applied Protective Coatings |
|---------|-----------------------------------|

Electrical / Control Construction Contracts:

| | |
|---------|---------------------------------|
| 73.0201 | Electrical Equipment Erection |
| 73.0205 | Iso-Phase Bus Duct Installation |
| 73.0900 | Freeze Protection |

Control and Instrumentation Construction Contracts:

| | |
|---------|--|
| 74.0200 | Control & Instrumentation Installation |
|---------|--|

Mechanical Materials Construction Contracts:

| | |
|---------|--|
| 76.1000 | Plant Piping Installation |
| 76.2010 | Insulation and Lagging – Installation Only |

Mechanical Equipment Construction Contracts:

| | |
|---------|-------------------------------|
| 77.0000 | Mechanical Equipment Erection |
| 77.5450 | Field Erected Tanks |

Unit 3 Specifications and Systems List

Systems

| | |
|-----|-----------------------------------|
| APB | AC Power Supply (120/208 Volts) |
| APC | AC Power Supply (480 Volts) |
| APE | AC Power Supply (13,800 Volts) |
| APF | AQCS Reserve Power Supply |
| APH | DC Power Supply |
| API | Uninterruptible Power Supply |
| ASB | Fly Ash |
| BSA | Buildings and Enclosures |
| CAB | AQCS Compressed Air |
| CCB | Pulse Jet Fabric Filter |
| CCE | Induced Draft |
| CCH | Powder Activated Carbon Injection |
| CMA | Communication |
| COA | Control and Monitoring |
| EEA | Freeze Protection |
| EEB | Grounding |
| FPA | Fire Protection |
| LTA | Lighting |
| SGM | Neural Network |
| STA | Site |
| WSC | AQCS Service Water |

Specifications

Civil / Structural Purchase Contracts:

| | |
|---------|--|
| 61.0200 | Pre-Engineered Metal Buildings |
| 61.0800 | Concrete |
| 61.3801 | Ductwork and Breeching |
| 61.3803 | Ductwork Expansion Joints |
| 61.4001 | Structural Steel |
| 61.4006 | Metal Roof Deck and Concrete Deck Form |

Architectural Purchase Contracts:

| | |
|---------|---------------------------|
| 62.0942 | Building Insulation |
| 62.3200 | Building HVAC |
| 62.0800 | Fire Protection Equipment |

Electrical Purchase Contracts:

| | |
|---------|--|
| 63.0000 | Electrical Equipment & Materials |
| 63.0501 | Lightning Protection Equipment and Materials |
| 63.0601 | Plant Communication System |
| 63.0604 | Plant Security System |
| 63.0700 | Cathodic Protection |
| 63.0801 | Medium Voltage Power Cable |

| | |
|---------|--|
| 63.0824 | Cable - 600V Control - Non-Class 1E |
| 63.0840 | Cable - 300-600V Instrument & T/C - Non-Class 1E |
| 63.1201 | Iso-Phase Bus Duct |
| 63.1206 | Cable Bus |
| 63.2000 | Metering & Relaying |
| 63.2001 | Protective Relay Panels |
| 63.2600 | Raceway - General |
| 63.2601 | Raceway - Duct Bank Materials |
| 63.2605 | Wireways |
| 63.2610 | Raceway - Cable Tray |
| 63.2800 | UPS System |
| 63.2801 | Batteries - DC Equipment |
| 63.2805 | Panel Boards |
| 63.2806 | 125V DC Distribution Panel |
| 63.3000 | Motor Control Centers Equipment |
| 63.3002 | Variable Frequency Drives |
| 63.3600 | Switchgear and Motor Control Assemblies |
| 63.3601 | Medium Voltage Switchgear |
| 63.3602 | Medium Voltage Controllers |
| 63.3802 | Aux Transformer |
| 63.5001 | Lighting |
| 63.5002 | Junction Boxes |
| 63.5030 | Welding System |
| 63.5500 | Grounding Materials and Equipment |
| 63.6210 | Disconnect Switches |

Control Purchase Contracts:

| | |
|---------|-----------------------------------|
| 64.0202 | DCS / PLC mods |
| 64.0203 | Misc Control Loop System |
| 64.0404 | Vibration Monitoring |
| 64.0407 | Neural Networks |
| 64.0602 | Primary Flow elements |
| 64.0607 | Sight Flow Indicators |
| 64.0613 | Flow Meters |
| 64.0801 | Transmitters - Level |
| 64.0805 | Switches - Level |
| 64.1001 | Transmitters - Pressure |
| 64.1002 | Indicators - Pressure |
| 64.1202 | Indicators - Temperature |
| 64.1203 | Thermocouple Assemblies & TWS |
| 64.1601 | Control Cabinets & Control Panels |
| 64.1602 | Instr. Racks and Enclosures |
| 64.5010 | Tubing |
| 64.5050 | Instrument Stands |

Environmental Chemical Purchase Contracts:

65.3120 Pulse Jet Fabric Filter
65.3500 PAC Mercury Control
65.4100 Safety Showers

Mechanical Materials Purchase Contracts:

66.1000 Pipe and Piping Accessories
66.2070 Pipe Supports (Purchaser Designed)
66.3000 Valves

Mechanical Equipment Purchase Contracts:

67.0400 Fly Ash Handling
67.5300 Shop Fabricated Tanks
67.9532 Induced Draft Fans

Civil / Structural Construction Contracts:

71.0100 Demolition Works
71.0402 General Construction - Substructures
71.0403 General Construction - Superstructures

Architectural Construction Contracts:

72.0600 Field Applied Protective Coatings

Electrical / Control Construction Contracts:

73.0201 Electrical Equipment Erection
73.0205 Iso-Phase Bus Duct Installation
73.0900 Freeze Protection

Control and Instrumentation Construction Contracts:

74.0200 Control & Instrumentation Installation

Mechanical Materials Construction Contracts:

76.1000 Plant Piping Installation
76.2010 Insulation and Lagging – Installation Only

Mechanical Equipment Construction Contracts:

77.0000 Mechanical Equipment Erection
77.5450 Field Erected Tanks

Unit 4 Specifications and Systems List

Systems

| | |
|-----|-----------------------------------|
| APB | AC Power Supply (120/208 Volts) |
| APC | AC Power Supply (480 Volts) |
| APE | AC Power Supply (13,000 Volts) |
| APF | AQCS Reserve Power Supply |
| APH | DC Power Supply |
| API | Uninterruptible Power Supply |
| ASB | Fly Ash |
| BSA | Buildings and Enclosures |
| CAB | AQCS Compressed Air |
| CCB | Pulse Jet Fabric Filter |
| CCE | Induced Draft |
| CCH | Powder Activated Carbon Injection |
| CMA | Communication |
| COA | Control and Monitoring |
| EEA | Freeze Protection |
| EEB | Grounding |
| FPA | Fire Protection |
| LTA | Lighting |
| SGM | Neural Network |
| STA | Site |
| WSC | AQCS Service Water |

Specifications

Civil / Structural Purchase Contracts:

| | |
|---------|---------------------------|
| 61.0800 | Concrete |
| 61.3801 | Ductwork and Breeching |
| 61.3803 | Ductwork Expansion Joints |
| 61.4001 | Structural Steel |

Architectural Purchase Contracts:

| | |
|---------|---------------------------|
| 62.0942 | Building Insulation |
| 62.3200 | Building HVAC |
| 62.0800 | Fire Protection Equipment |

Electrical Purchase Contracts:

| | |
|---------|--|
| 63.0000 | Electrical Equipment & Materials |
| 63.0501 | Lightning Protection Equipment and Materials |
| 63.0601 | Plant Communication System |
| 63.0604 | Plant Security System |
| 63.0700 | Cathodic Protection |
| 63.0801 | Medium Voltage Power Cable |
| 63.0824 | Cable - 600V Control - Non-Class 1E |
| 63.0840 | Cable - 300-600V Instrument & T/C - Non-Class 1E |

| | |
|---------|---|
| 63.1201 | Iso-Phase Bus Duct |
| 63.1206 | Cable Bus |
| 63.2000 | Metering & Relaying |
| 63.2001 | Protective Relay Panels |
| 63.2600 | Raceway - General |
| 63.2601 | Raceway - Duct Bank Materials |
| 63.2605 | Wireways |
| 63.2610 | Raceway - Cable Tray |
| 63.2800 | UPS System |
| 63.2801 | Batteries - DC Equipment |
| 63.2805 | Panel Boards |
| 63.2806 | 125V DC Distribution Panel |
| 63.3000 | Motor Control Centers Equipment |
| 63.3002 | Variable Frequency Drives |
| 63.3600 | Switchgear and Motor Control Assemblies |
| 63.3601 | Medium Voltage Switchgear |
| 63.3602 | Medium Voltage Controllers |
| 63.3802 | Aux Transformer |
| 63.5001 | Lighting |
| 63.5002 | Junction Boxes |
| 63.5030 | Welding System |
| 63.5500 | Grounding Materials and Equipment |
| 63.6210 | Disconnect Switches |

Control Purchase Contracts:

| | |
|---------|-----------------------------------|
| 64.0202 | DCS / PLC mods |
| 64.0203 | Misc Control Loop System |
| 64.0404 | Vibration Monitoring |
| 64.0407 | Neural Networks |
| 64.0602 | Primary Flow elements |
| 64.0607 | Sight Flow Indicators |
| 64.0613 | Flow Meters |
| 64.0801 | Transmitters - Level |
| 64.0805 | Switches - Level |
| 64.1001 | Transmitters - Pressure |
| 64.1002 | Indicators - Pressure |
| 64.1202 | Indicators - Temperature |
| 64.1203 | Thermocouple Assemblies & TWS |
| 64.1601 | Control Cabinets & Control Panels |
| 64.1602 | Instr. Racks and Enclosures |
| 64.5010 | Tubing |
| 64.5050 | Instrument Stands |

Environmental Chemical Purchase Contracts:

65.3120 Pulse Jet Fabric Filter
65.3500 PAC Mercury Control
65.4100 Safety Showers

Mechanical Materials Purchase Contracts:

66.1000 Pipe and Piping Accessories
66.2070 Pipe Supports (Purchaser Designed)
66.3000 Valves

Mechanical Equipment Purchase Contracts:

67.0400 Fly Ash Handling
67.5300 Shop Fabricated Tanks
67.9532 Induced Draft Fans

Civil / Structural Construction Contracts:

71.0100 Demolition Works
71.0402 General Construction - Substructures
71.0403 General Construction - Superstructures

Architectural Construction Contracts:

72.0600 Field Applied Protective Coatings

Electrical / Control Construction Contracts:

73.0201 Electrical Equipment Erection
73.0205 Iso-Phase Bus Duct Installation
73.0900 Freeze Protection

Control and Instrumentation Construction Contracts:

74.0200 Control & Instrumentation Installation

Mechanical Materials Construction Contracts:

76.1000 Plant Piping Installation
76.2010 Insulation and Lagging – Installation Only

Mechanical Equipment Construction Contracts:

77.0000 Mechanical Equipment Erection
77.5450 Field Erected Tanks