

1.05 DOCUMENT SUBMITTAL SCHEDULE

Item Number	Description	Reference Section Number	Time of Submittal (Calendar days after Notice to Proceed unless noted otherwise)
GENERAL			
1.	Quality assurance manual		15
2.	Quality plan		30 days prior to first fabrication
3.	Welding procedures, including procedure qualification records	01460	15
4.	Preliminary construction progress schedules for fabrication, shop testing, delivery of equipment and construction	01320	With Proposal
5.	Progress schedules	01320	15 days after Notice to Proceed and by the 10th of each month until the equipment arrives on site
6.	Preliminary operating and maintenance instruction manuals.	01785	75 days prior to equipment shipment
7.	Final operating and maintenance instruction manuals. Recommended spare parts list	01785	30 days after receiving comments to preliminary manual
8.	Proposed test procedures for shop and field testing		30 days prior to performing tests
9.	Notification of tests	01451	10 days prior to test/inspection
10.	Test data		Within 14 days following each test or inspection
11.	Lubrication/consumables chemical list		With preliminary instruction manual
DELIVERY			
1.	Notice of preshipment inspection		21 days prior to shipment
2.	Shipping notice		7 days prior to arrival
3.	Material Safety Data Sheets		60 days prior to first shipment to site
4.	Notice of presence of hazardous materials		When hazardous materials are shipped to site
TECHNICAL			
1.	Complete Bidder Data and Information	00434	With Proposal
2.	Cooling tower performance curves	15640	With Proposal
3.	Preliminary Motor Data Sheets	16220	With Proposal
4.	Outline drawings for cooling tower showing general arrangement, space requirements and clearances, supports, nozzles, and miscellaneous connections including all major dimensions	15640	Preliminary with Proposal and certified 21 days after Notice to Proceed
5.	Materials of construction	15640	Preliminary with proposal and final 21 days after Notice to Proceed
6.	Equipment weights – dry and operating	15640	Preliminary with Proposal and certified 21 days after Notice to Proceed
7.	Foundation load and anchor bolt details and locations	15640	Preliminary with proposal and final 21 days after Notice to Proceed
8.	Detailed description of work involved to complete erection of equipment, including all accessories furnished.	15640	21 days prior to shipment

Item Number	Description	Reference Section Number	Time of Submittal (Calendar days after Notice to Proceed unless noted otherwise)
9.	Allowable reaction forces and directions on piping nozzles, including thermal movements	15640	21
10.	Manufacturer's data reports including inspection certificates	15640	20 days after inspection
11.	Internal construction drawing of cooling tower showing all supports and bracing	15640	90
12.	Certified Motor Data Sheet	16220	60
13.	Motor drawings and documentation specified	16220	60

1.06 RESUBMISSION REQUIREMENTS

- A. Make any corrections or changes in submittals required by Engineer and resubmit until stamped as "Reviewed" by Engineer. Contractor shall include issue number or issue date in document revision block or other clearly identified location on document. Changes shall be back-circled or otherwise clearly identified

1.07 DISTRIBUTION

- A. Distribute reproductions of Shop Drawings which carry Engineer stamp as either "Reviewed" or "Reviewed as Noted" to:
 1. Record Documents file.
 2. Subcontractors.
 3. Supplier or fabricator.
- B. Distribute Samples which carry Engineer stamp as either "Reviewed" or "Reviewed as Noted" as directed by Engineer.

1.08 ENGINEER DUTIES

- A. Review required submittals with reasonable promptness and in accord with schedule, only for general conformance to design concept of Project and compliance with information given in Contract Documents. Review shall not extend to means, methods, sequences, techniques, or procedures of construction or to safety precautions or program incident thereto. Review of a separate item as such will not indicate approval of assembly in which item functions.
- B. Affix stamp and initials or signature, and indicate requirements for resubmittal, or review of submittal. Engineer's action on submittals is classified as follows:
 1. **Reviewed:** Submittal has been reviewed and appears to be in conformance to design concept of Project and Contract Documents. Contractor may proceed with fabrication of work in submittal.
 2. **Reviewed As Noted:** Submittal has been reviewed and appears to be in conformance to design concept of Project and Contract Documents, except as noted by Engineer. Contractor may proceed with fabrication of work in submittal with modifications and corrections as indicated by Engineer.
 3. **Resubmit:** Submittal has been reviewed and appears not to be in conformance to design concept of Project or with Contract Documents. Contractor shall not proceed with fabrication of work in submittal, but instead shall make any corrections required by Engineer and resubmit for review.
 4. **Returned without Review:** Submittal is being returned without having been reviewed because:
 - 1) not required by Contract Documents;
 - 2) grossly incomplete;
 - 3) indicates no attempt at conformance to Contract Documents;
 - 4) cannot be reproduced;
 - 5) lacks Contractor's completed approval stamp;
 - or 6) lacks design professional's seal when required by law or Contract Documents.
 If submittal is required by Contract Documents, Contractor shall not proceed with Work as detailed in submittal, but instead shall correct defects and resubmit for review.

5. **For Information Only:** Submittal has not been reviewed but is being retained for informational purposes only.
- C. Return submittals to Contractor.
- D. Engineer's review of submittals shall not relieve Contractor from responsibility for any variation from Contract Documents unless Contractor has, in writing, called Engineer's attention to such variation at time of submission, and Engineer has given written concurrence pursuant to Contract Documents to specific variation, nor shall any concurrence by Engineer relieve Contractor from responsibility for errors or omissions in submittals.

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PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Quality control and control of installation
- B. Tolerances.
- C. Building codes and permits.
- D. References.
- E. Examination.
- F. Preparation.

1.02 QUALITY CONTROL AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform Work by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on Shop Drawings or as instructed by manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, or disfigurement.

1.03 TOLERANCES

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

1.04 BUILDING CODES AND PERMITS

- A. Obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses.
- B. Pay all governmental charges and inspection fees necessary for prosecution of Work, which are applicable at time of opening of Bids. Pay all charges of utility service companies for connections to Work. Owner will pay all charges of such companies for capital costs related thereto.
- C. **Licenses are required from City of Maysville, Kentucky for Contractor and its Subcontractors.**

- D. Give all notices and comply with all laws, ordinances, building and construction codes, rules, and regulations applicable to Work. If Contractor observes that Specifications or Drawings are at variance therewith, give Engineer prompt written notice thereof, and any necessary changes shall be adjusted by appropriate Modification.
- E. If Contractor performs any Work knowing or having reason to know that it is contrary to such laws, ordinances, rules, and regulations, and without such notice to Engineer, Contractor shall bear all costs arising therefrom; however, it shall not be Contractor's primary responsibility to make certain that Specifications and Drawings are in accordance with such laws, ordinances, rules, and regulations.

1.05 REFERENCES

- A. For products or workmanship specified by association, trade, or other consensus standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date for receiving bids, except where a specific date is established by code.
- C. Obtain copies of standards where required by product specification sections.
- D. Should specified reference standards conflict with Construction Contract - Generating, request clarification from the Engineer before proceeding.
- E. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Engineer shall be altered from the Construction Contract - Generating by mention or inference otherwise in any reference document.
- F. Abbreviations used in Drawings and Specifications are as specified in ANSI Y1.1 and IEEE 260.
- G. Schedule of references:
 - 1. AA - Aluminum Association
 - 2. AAMA – Architectural Aluminum Manufacturer's Association
 - 3. AABC - Associated Air Balance Council
 - 4. AAMA - American Architectural Manufacturers Association
 - 5. AAN – American Association of Nurserymen
 - 6. AAR –Association of American Railroads
 - 7. AASHTO - American Association of State Highway and Transportation Officials
 - 8. ABMA - American Bearing Manufacturers Association
 - 9. ACI - American Concrete Institute
 - 10. ACGIH - American Conference of Governmental Industrial Hygienists
 - 11. ACIL - American Council of Independent Laboratories
 - 12. ADC - Air Diffusion Council
 - 13. ADSC - The International Association of Foundation Drilling
 - 14. AF&PA – American Forest & Paper Association
 - 15. AFS – American Foundrymen's Society
 - 16. AGA - American Gas Association
 - 17. AGMA - American Gear Manufacturers Association
 - 18. AHA - American Hardboard Association
 - 19. AI - Asphalt Institute
 - 20. AIChE – American Institute of Chemical Engineers
 - 21. AISC - American Institute of Steel Construction
 - 22. AISI - American Iron and Steel Institute
 - 23. AITC - American Institute of Timber Construction
 - 24. AMCA - Air Movement and Control Association
 - 25. ANSI - American National Standards Institute
 - 26. APA – American Pulpwood Association
 - 27. APA/EWA- APA -The Engineered Wood Association

28. API - American Petroleum Institute
29. APMO - International Association of Plumbing
30. AREMA - American Railway Engineering and Maintenance-of-Way Association
31. ARI - Air-Conditioning and Refrigeration Institute
32. ARRA - Asphalt Recycling and Reclaiming Association
33. ASA – Acoustical Society of America
34. ASCE – American Society of Civil Engineers
35. ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers
36. ASME - American Society of Mechanical Engineers
37. ASPA - American Sod Producers Association
38. ASSE - American Society of Sanitary Engineering
39. ASTM - American Society for Testing and Materials
40. AWI - Architectural Woodwork Institute
41. AWWA - American Wood-Preservers' Association
42. AWS - American Welding Society
43. AWWA – American Water Works Association
44. BIA – Brick Industry Association
45. BOCA - Building Officials & Code Administrators International, Inc.
46. CDA - Copper Development Association Inc.
47. CBM - Certified Ballast Manufacturers Association
48. CEMA – Conveyor Equipment Manufacturer's Association
49. CGA - Compressed Gas Association
50. CISCA - Ceilings and Interior Systems Construction Association
51. CISPI – Cast Iron Soil Pipe Institute
52. CLFMI - Chain Link Fence Manufacturers Institute
53. CMAA - Crane Manufacturers Association of America
54. CPSC - Consumer Products Safety Council
55. CRI - Carpet and Rug Institute
56. CRSI - -Concrete Reinforcing Steel Institute
57. CSSB - Cedar Shake and Shingle Bureau
58. CTI - Cooling Technology Institute
59. DASMA - Door and Access Systems Manufacturers Association International
60. DHI - Door and Hardware Institute
61. DIN - Deutsche Normen
62. EIA - Electronic Industries Alliance
63. EIMA - EIFS Industry Members Association
64. EJMA - Expansion Joint Manufacturers Association
65. EPA - Environmental Protection Agency
66. ETL - Electrical Testing Laboratory
67. FAA - Federal Aviation Administration
68. FM – FM Global
69. FS - Federal Specification Unit
70. GA - Gypsum Association
71. GANA - Glass Association of North America
72. HI – Hydraulics Institute
73. HI - Hydronics Institute
74. HMI - Hoist Manufacturer's Institute
75. HMMA - Hollow Metal Manufacturers Association
76. HPVA – Hardwood Plywood and Veneer Association
77. IAS - International Approval Services
78. IAPMO - International Association of Plumbing and Mechanical Officials
79. ICAC - Institute of Clean Air Companies
80. ICBO - International Conference of Building Officials
81. ICC - International Code Council, Inc.
82. ICEA - Insulated Cable Engineers Association
83. IEC - International Electro-technical Council
84. IEEE - Institute of Electrical and Electronics Engineers
85. IES - Illuminating Engineering Society

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- 86. IETF - Internet Engineering Task Force
- 87. IGCC - Insulating Glass Certification Council
- 88. ILI - Indiana Limestone Institute of America
- 89. ISA – Instrumentation, Systems, and Automation Society
- 90. ISO - International Standards Organization
- 91. ITU - International Telecommunications Union
- 92. KCMA - Kitchen Cabinet Manufacturers Association
- 93. LPI - Lightning Protection Institute
- 94. MBMA - Metal Building Manufacturers Association
- 95. MFMA - Maple Flooring Manufacturers Association
- 96. MIA - Marble Institute of America
- 97. MS - Military Standardization Documents
- 98. MSS - Manufacturer's Standardization Society of the Valve and Fittings Industry
- 99. NAA - National Arborist Association
- 100. NAAMM - National Association of Architectural Metal Manufacturers
- 101. NAAMM - North American Association of Mirror Manufacturers
- 102. NACE – NACE International
- 103. NAIMA - North American Insulation Manufacturers Association
- 104. NBHA - National Builders Hardware Association
- 105. NBGQA - National Building Granite Quarries Association, Inc.
- 106. NBS - National Bureau of Standards
- 107. NCMA - National Concrete Masonry Association
- 108. NCTA - National Cable Television Association
- 109. NCRP - National Council on Radiation Protection and Measurement
- 110. NEBB - National Environmental Balancing Bureau
- 111. NECA - National Electrical Contractors Association
- 112. NELMA - National Electrical Contractors Association
- 113. NEMA - National Electrical Manufacturers' Association
- 114. NETA - International Electrical Testing Association
- 115. NFPA - National Fire Protection Association
- 116. NFRC - National Fenestration Rating Council
- 117. NHLA - National Hardwood Lumber Association
- 118. NIBS - National Institute of Building Sciences
- 119. NIST - National Institute of Standards and Technology
- 120. NRMCA - National Ready Mixed Concrete Association
- 121. NLA - National Lime Association
- 122. NLGA - National Lumber Grades Authority
- 123. NOFMA - National Oak Flooring Manufacturers Association
- 124. NPCA - National Paint and Coatings Association
- 125. NRCA – National Roofing Contractors Association
- 126. NRMCA – National Ready Mixed Concrete Association
- 127. NSF – NSF International
- 128. NSPI – National Spa and Pool Institute
- 129. NTMA – National Terrazzo and Mosaic Association
- 130. NUCA – National Utility Contractors Association
- 131. NWMA – National Woodwork Manufacturer's Association
- 132. NWWDA - National Wood Window and Door Association.
- 133. OSHA – U. S. Department of Labor, Occupational Safety and Health Administration
- 134. PCA - Portland Cement Association
- 135. PCI – Precast/Prestressed Concrete Institute
- 136. PDCA – Painting and Decorating Contractors of America
- 137. PDI – Plumbing and Drainage Institute
- 138. PFI - Pipe Fabrication Institute
- 139. PS - Product Standard
- 140. PTI – Post Tensioning Institute
- 141. RCSC – Research Council on Structural Connections
- 142. RIS – The Redwood Inspection Service
- 143. RUS – U. S. Department of Agriculture, Rural Utilities Services

- 144. SAE – Society of Automotive Engineers
- 145. SAMA - Scientific Apparatus Makers Association
- 146. SBCCI - Southern Building Code Congress International
- 147. SCMA – Southern Cypress Manufacturers Association
- 148. SCTE - Society of Cable Telecommunications Engineers
- 149. SDI - Steel Deck Institute
- 150. SDI - Steel Door Institute
- 151. SIGMA - Sealed Insulating Glass Manufacturers Association
- 152. SJI - Steel Joist Institute
- 153. SMACNA - Sheet Metal and Air Conditioning Contractors' National Association
- 154. SPIB – Southern Pine Inspection Bureau
- 155. SPRI – Single Ply Roofing Institute
- 156. SSPC – The Society for Protective Coatings
- 157. STI – Steel Tank Institute
- 158. SWI – Steel Window Institute
- 159. SWRI – Sealant, Waterproofing, and Restoration Institute
- 160. TCA – Tile Council of America, Inc.
- 161. TEMA - Tubular Exchanger Manufacturers Association
- 162. TIA/EIA – Telecommunications Industry Association/Electronic Industries Alliance
- 163. TMA – The Masonry Society
- 164. TPI – Truss Plate Institute
- 165. TPI – Turfgrass Producers International
- 166. UL - Underwriters' Laboratories, Inc.
- 167. WCLIB - West Coast Lumber Inspection Bureau
- 168. WDMA – Window and Door Manufacturers Association
- 169. WH – Intertek Testing Services, Warnock Hersey Listing Services
- 170. WIC – Woodwork Institute of California
- 171. WWPA – Western Wood Products Association

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PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new Work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.
- D. Verify that utility services are available, of the correct characteristics, and in the correct locations.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Erecting superintendent responsibilities.

1.02 ERECTING SUPERINTENDENT RESPONSIBILITIES

- A. Contractor shall provide qualified Erecting Superintendent(s), as necessary to:
 - 1. Instruct and advise installation Contractor regarding proper method for unloading, erecting, and installing equipment to assure installation in accordance with manufacturer's instructions.
 - 2. Assure that alignment and clearances of equipment are checked and adjusted to allowable tolerances.
 - 3. Inspect completed installation to assure that apparatus is in operating condition, making such detailed checks of equipment installation as are necessary to ascertain that equipment is assembled, installed, aligned, connected, lubricated, and prepared for operation in accordance with manufacturer's instructions and recommendations.
 - 4. Provide Owner with duplicate copies of final alignment and clearance measurements on all rotating or reciprocating equipment. Measurements shall clearly identify each piece of equipment.
 - 5. Supervise preliminary operation of equipment and necessary adjustments.
 - 6. Fully instruct Owner's operating personnel in operation and maintenance of equipment.
- B. Presence of Erecting Superintendent will in no way relieve Contractor of any responsibility assumed under Agreement.
- C. Work and abilities of Erecting Superintendent shall be subject to review of Owner. If Owner determines that any Erecting Superintendent is not properly qualified, Contractor shall replace Erecting Superintendent upon written notification by Owner.
- D. Contractor shall provide continuity in assignment of Erecting Superintendent to Work. In event substitution of Erecting Superintendent is made which is not at request of Owner, substitute's time for "familiarization" shall be at Contractor's expense.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 FIELD PERFORMANCE TESTS

- A. It is intent of Engineer to conduct, simultaneously, performance tests on all heat cycle and electric generating equipment components. These include steam generator, turbine-generator, condenser, feedwater heaters, **cooling tower**, circulating water pumps, condensate pumps, boiler feed pumps, and related equipment.
- B. These performance tests will be scheduled as soon as practicable but not later than 180 days after all associated equipment have been placed in "on-line" operating service and proved capable for continuous normal operation. Shutdowns of limited duration for normal operational checks, inspections, and adjustments will not be considered as causing equipment to be incapable of continuous operation.
- C. Delayed testing:
 - 1. If any individual equipment component is operable but is not declared ready for testing within time limit stated above and cannot be tested during initial scheduled performance tests, delayed performance tests will be conducted upon these equipment at later scheduled date.
 - 2. Costs incidental to conducting delayed performance tests, except for cost of fuel, water, and Owner's operating personnel, shall be borne by Contractor responsible for equipment which are not ready for testing at time of initial performance tests.
- D. Performance tests:
 - 1. Contractor shall be responsible for each equipment component and shall notify Engineer in writing when installation of its equipment is considered to be complete, in good operating condition, and ready for performance tests.
 - a. This notice shall not be given until such time as all designed operational functions have been positively proved in actual operation or by simulated operational tests.
 - b. Simulated operational tests shall be made only when it is impractical to conduct an actual "in operation" test.
 - c. When simulated operational test involves sensing device, test shall establish operational ability of sensing device.
 - 2. Engineer will coordinate between concerned contractors and will establish schedule for performance tests. Upon establishment of test schedule, Engineer will give minimum of 10 days' notice to all concerned parties.
 - 3. Tests shall establish that equipment functions properly and that guarantees will be met.
 - 4. Owner will furnish fuel, oil, water, and operating personnel for tests.
 - 5. A CTI certified testing company provided by Contractor shall perform tests and Owner, Engineer, and Contractor will witness tests and assist in their performance.
 - 6. Station instruments, meters, pressure gages, and thermometers, supplemented by necessary portable test instruments furnished by Contractor, will be used for tests.
 - 7. Costs for initial performance tests shall be borne by Contractor.
- E. If guaranteed performance is not achieved in initial or delayed performance tests, Contractor shall make necessary changes and adjustments to equipment at no cost to Owner and notify Engineer when ready for retesting or supplemental testing.
- F. Retesting or supplemental testing:
 - 1. Contractor, after giving notice, shall perform retesting or supplemental testing if Owner deems necessary to further check performance of equipment.
 - 2. All costs, except for costs of fuel, oil, water, and Owner's operating personnel, shall be borne by Contractor.
 - 3. Owner and Engineer will each render bill to be paid by Contractor covering costs incurred by retesting or supplemental testing, except as noted herein.

- G. If there is serious question or disagreement regarding accuracy of test results and Owner considers tests of greater refinement necessary or desirable, Contractor, at Owner's request, shall conduct further tests in accordance with ASME Power Test Codes. If so requested:
1. Contractor shall make arrangements and provide facilities necessary for performance of ASME Power Test Codes tests.
 2. Owner will furnish fuel, oil, water, and operating personnel for tests.
 3. Contractor shall perform tests and Owner and Engineer will witness and assist in performance of tests.
 4. Owner will reimburse Contractor for actual cost of labor and materials for furnishing and installing testing facilities only, as listed on itemized statement of costs to be submitted by Contractor, only if ASME Power Test Codes tests reveal that equipment are performing in accordance with guarantees.
 5. If ASME Power Test Codes tests indicate that equipment are not performing in accordance with guarantees, all costs of Owner, Engineer, and Contractor incidental to ASME Power Test Codes tests, except for fuel, water, and Owner's operating personnel, shall be borne by Contractor.
 6. Billings to Contractor for Owner's or Engineer's costs for delayed testing, retesting, and supplemental testing, and ASME Power Test Codes testing as specified hereinbefore, shall be paid directly to Owner or Engineer, as appropriate, within 30 calendar days from receipt by Contractor. Contractor's failure to pay such billings shall be cause for withholding final payment in amount equal to such costs.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Welding requirements.
- B. Procedure qualification.
- C. Performance qualification.
- D. Submittals.

1.02 WELDING REQUIREMENTS

- A. Welding shall be performed by qualified welding operators using procedures which have been qualified in accordance with applicable codes and standards:
 - 1. ANSI B31.1 Code for Pressure Piping.
 - 2. ASME Boiler and Pressure Vessel Code.
 - 3. AWS D1.1 Structural Welding Code.

1.03 PROCEDURE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for obtaining and qualifying welding procedures. Structural welding procedures conforming to AWS D1.1 are prequalified as defined in AWS D1.1, Chapter 5 and Appendix E.
- B. Contractor shall maintain records, and make available to Owner when requested, certifying successful completion of procedure qualification tests.

1.04 PERFORMANCE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for testing and qualifying its welding operators in accordance with applicable codes, using qualified procedures.
- B. Unless welding operators have been previously qualified by Contractor within last 6 months and have been continuously employed as welders by Contractor following qualification, requalification tests must be performed.

1.05 SUBMITTALS

- A. Except for procedures exempted to AWS D1.1, Section 5.1, submit 1 copy of each welding procedure to Engineer with certificate demonstrating successful qualification of welding procedures for each welding process performed: AWS D1.1 - Forms E-1, E-2, E-3, or ASME QW-483.
- B. Prior to execution of any welding, submit to Engineer 1 copy of welder qualification form for each individual performing welding: AWS D1.1 Form E-4 or ASME QW-484.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Temporary utilities:
 - 1. Temporary plant services.
 - 2. Temporary lighting for construction purposes.
 - 3. Temporary heating.
 - 4. Temporary ventilation.
 - 5. Telephone service.
 - 6. Facsimile service.
 - 7. Temporary water service.
 - 8. Temporary sanitary facilities.
- B. Construction facilities:
 - 1. Field offices and sheds.
 - 2. Vehicular access.
 - 3. Parking.
 - 4. Progress cleaning and waste removal.
- C. Temporary controls:
 - 1. Barriers.
 - 2. Security.
 - 3. Water control.
 - 4. Dust control.
 - 5. Erosion and sediment control.
 - 6. Noise control.
 - 7. Pollution control.
- D. Removal of utilities, facilities, and controls.

1.02 TEMPORARY PLANT SERVICES

- A. Electrical energy in reasonable quantities will be furnished at job site for use in construction. If Contractor's requirements are in excess of Owner's facilities, Contractor shall furnish additional service at own expense.
- B. Service point equipped to supply 3-phase, 480-volt, 60 Hz power will be installed by Owner.
- C. Contractor shall supply 480-volt to 120-volt load centers. Contractor shall furnish and install temporary wiring with suitable fused safety switches from this point as required. Wiring shall be suitable for load and service involved and subject to approval of Owner. Capacity will be shared with other contractors.
- D. Requirements for electrical services must be stated in Proposal and will be reviewed by Owner for availability.
- E. Other services, including compressed air, shall be provided by Contractor to meet own requirements.

1.03 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

- A. Provide and maintain incandescent lighting for construction operations to achieve a minimum lighting level of ~~2-watt/sq-ft~~ **5 fc average with 1 fc minimum at floor level.**
- B. Provide and maintain ~~4-watt/sq-ft~~ **2 fc** lighting to exterior staging and storage areas after dark for security purposes.

~~C. Provide and maintain 0.25 watt/sq ft H.I.D. lighting to interior work areas after dark for security purposes.~~

D.C. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.

E.D. Maintain lighting and provide routine repairs.

F.E. Permanent building lighting may not be utilized during construction.

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1.04 TEMPORARY HEATING

A. Provide and pay for heating devices and heat as needed to maintain specified conditions for construction operations.

1.05 TEMPORARY VENTILATION

A. Ventilate enclosed areas to achieve curing of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

1.06 TELEPHONE SERVICE

A. Provide, maintain, and pay for telephone service to field office at time of project mobilization.

1.07 FACSIMILE SERVICE

A. Provide, maintain and pay for facsimile service and a dedicated telephone line to field office at time of project mobilization.

1.08 TEMPORARY WATER SERVICE

A. Owner will pay cost of temporary water. Exercise measures to conserve energy. Utilize Owner's existing water system, extend and supplement with temporary devices as needed to maintain specified conditions for construction operations.

B. Extend branch piping with outlets located so water is available by hoses with threaded connections.

1.09 TEMPORARY SANITARY FACILITIES

A. ~~Provide portable restrooms will be provided by Owner near the work area. Wash sink will be provided by Owner in main building. Facilities required will be Contractor's responsibility.~~

B. Potable water is available at cooler fill stations and drinking fountains.

C. Additional facilities required will be Contractor's responsibility.

D. Use of Owner's facilities will be strictly prohibited.

1.10 FIELD OFFICES AND SHEDS

A. Storage Areas and sheds: Provide protected storage space at location on plant site as directed by Owner or its representative. Materials or equipment shall be stored so as not to deteriorate by external causes. Size to storage requirements for products of individual Sections, allowing for access and orderly provision for maintenance and for inspection of products to requirements of Section 01600.

B. Office: Office space within plant building will not be available to Contractor. Location for an office will be provided by Owner as directed by Owner. Office shall be weathertight, with lighting, electrical outlets, heating, cooling, and ventilating equipment, and equipped with sturdy furniture drawing rack, and drawing display table.

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C. Installation:

1. Install office spaces ready for occupancy prior to start of on-site construction.
2. Employee residential occupancy: Not allowed on Owner's property.

D. Maintenance and cleaning:

1. Weekly janitorial services for offices; periodic cleaning and maintenance for office and storage areas.
2. Maintain approach walks free of mud, water, and snow.

E. Removal: At completion of Work remove buildings, foundations, utility services, and debris. Restore areas.

1.11 VEHICULAR ACCESS

A. Provide unimpeded access for emergency vehicles. Maintain 20' width driveways with turning space between and around combustible materials.

B. Provide and maintain access to fire hydrants and control valves free of obstructions.

C. Provide means of removing mud from vehicle wheels before entering streets.

D. Designated existing on-site roads may be used for construction traffic.

1.12 PARKING

A. Parking lot will be provided for Contractor parking. Only vehicles allowed beyond this lot are those required for Work, deliveries, and superintendent's vehicle. Vehicles shall have pass issued by Owner.

1.13 PROGRESS CLEANING AND WASTE REMOVAL

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and rubbish from site weekly and dispose off-site.

E. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.14 BARRIERS

A. Provide barriers to prevent unauthorized entry to construction areas to allow for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations.

B. Provide barricades and covered walkways required by governing authorities for public rights-of-way.

C. Protect nonowned vehicular traffic, stored materials, site, and structures from damage.

1.15 SECURITY

- A. Site has perimeter fencing and controlled access through a manned, controlled access gate.
- B. Additional security shall be Contractor's responsibility

1.16 WATER CONTROL

- A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.
- B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.

1.17 DUST CONTROL

- A. Execute Work by methods to minimize raising dust from construction operations.
- B. Provide positive means to prevent air-borne dust from dispersing into atmosphere.

1.18 EROSION AND SEDIMENT CONTROL

- A. Plan and execute construction by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.
- B. Minimize amount of bare soil exposed at one time.
- C. Provide temporary measures such as berms, dikes, and drains, to prevent water flow.
- D. Construct fill and waste areas by selective placement to avoid erosive surface silts or clays.
- E. Periodically inspect earthwork to detect evidence of erosion and sedimentation; promptly apply corrective measures.

1.19 NOISE CONTROL

- A. Provide methods, means, and facilities to minimize noise produced by construction operations.

1.20 POLLUTION CONTROL

- A. Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations.

1.21 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, and excess materials from Site at the completion of Work.
- B. Unless otherwise stated in Proposal, dispose of hazardous waste generated by Work.
- C. Remove underground installations to a minimum depth of 2'.
- D. Clean and repair damage caused by installation or use of temporary work.
- E. Restore existing and permanent facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

Conformed Contract

for

**Contract F223 – Circulating Water Pipe
Spurlock Station - Unit 4
Maysville, Kentucky**

Between

**East Kentucky Power Cooperative, Inc.
Winchester, Kentucky**

And

**Reynolds, Inc.
Orleans, Indiana**

September 2005

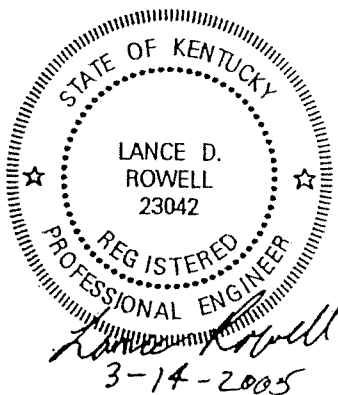


Project Manual

for

Contract F223 – Circulating Water Pipe
Spurlock Station - Unit 4
Maysville, Kentucky

East Kentucky Power Cooperative
Winchester, Kentucky



March 14, 2005



A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

CONTRACT F223 – CIRCULATING WATER PIPE
SPURLOCK STATION UNIT 4
MAYSVILLE, KENTUCKY

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EAST KENTUCKY POWER COOPERATIVE, INC.
WINCHESTER, KENTUCKY

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17500.03.00
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Section 15181 Circulating Water Piping

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STANDARD DRAWING M-657, TYPICAL PIPE BOND-TYPE C, Rev. 2

Bound Herein

Exceptions and Clarifications

Technical and Commercial Exceptions/Clarifications

No commercial exceptions are taken.

Pipe is bedded to centerline.

Native material will be used for backfill above the centerline of pipe, except under the concrete road crossings, where an imported material will be used (Run of Mill Fines from Carneuse).

Addenda

ADDENDUM NO. 1
APRIL 4, 2005

CONTRACT F223 – CIRCULATING WATER PIPE
SPURLOCK STATION UNIT 4
MAYSVILLE, KENTUCKY

EAST KENTUCKY POWER COOPERATIVE, INC.
WINCHESTER, KENTUCKY

1. SIGNATURE PAGE

Delete signature page in its entirety and insert attached signature page in its place.

END OF ADDENDUM NO. 1

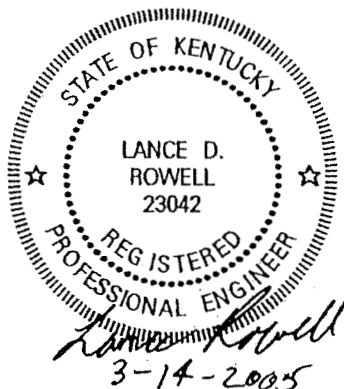
- 1) L. A. Shell
- 2) L. D. Rowell

Project Manual

for

**Contract F223 – Circulating Water Pipe
Spurlock Station - Unit 4
Maysville, Kentucky**

**East Kentucky Power Cooperative
Winchester, Kentucky**




March 14, 2005



A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

REDACTED

Development of Contract Price

Lump Sum Base Bid Price: 

Drawing No.	Title	Rev. No.
G101	Title Sheet	2
G102	Drawing Index - Sheet 1	2
G105	General, Civil, Architectural and Structural Legend and Notes	1
G106	Mechanical Legend and Notes	0
G107	Electrical Legend and Notes	0
G201	Plant Site Arrangement	1
G202	Site Construction Laydown Area	2
G301	General Arrangement – Ground Floor Plan	1
C101	Plant Mass Excavation Plan	0
C102	Plant Turbine Generator Foundation Piling Mass Excavation	0
C103	Plant Turbine Generator Foundation Piling Mass Excavation Section	0
C105	Existing Site Topography	0
C501	Typical Sections and Details – Sheet 1	0
C521	Circulating Water Piping Plan and Details	01 ⁽¹⁾
C522	Circulating Water Piping Plan and Profile - Sheet 1	01 ⁽¹⁾
C523	Circulating Water Piping Plan and Profile - Sheet 2	01 ⁽¹⁾
C524	Circulating Water Piping Plan and Profile - Sheet 3	01 ⁽¹⁾
C525	Circulating Water Piping Plan and Profile - Sheet 4	01 ⁽¹⁾
C526	Circulating Water Piping Plan and Profile - Sheet 5	01 ⁽¹⁾
C527	Circulating Water Piping Plan and Profile - Sheet 6	01 ⁽¹⁾
C528	Circulating Water Piping Plan and Profile - Sheet 7	01 ⁽¹⁾
C529	Circulating Water Piping Plan and Profile - Sheet 8	0
C530	Circulating Water Piping Details	0
C532	Circulating Water Pipe Excavation Plan	0
C535	Circulating Water Pipe Excavation Support Details	0
F101	Structural Notes	0
F105	Foundation Construction Phase Schedule	1
F107	Piling Construction Schedule	1
F301	Plant Foundation Grade Beam Dimensional Plan - Turbine Area	0
F321	Plant Ground Floor Structural Slab Dimensional Plan - Turbine Area	0
F551	Circulating Water Piping Foundation Plan and Details	0
REFERENCE DRAWINGS		
The following drawings are issued for information only and do not form a part of the Contract Documents		
F741	Cooling Tower Basin and Pump Pit - Sheet 1	0
X70	Circulating Water Pipe Layout	0

⁽¹⁾ Stanley Consultants e-mail April 15, 2005.

U.S. Department of Agriculture
Rural Utilities Service

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CONSTRUCTION CONTRACT

GENERATING

NOTICE AND INSTRUCTIONS TO BIDDERS

- 1. Sealed proposals for the construction, including the supply of necessary labor, materials and equipment, of a rural electric project of East Kentucky Power Cooperative, Inc., RUS designation Kentucky 59 Fayette, (hereinafter called the "Owner") will be received by the Owner on or before 4 o'clock P M., April 11, 2005, at its office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 at which time and place the proposals will be publicly opened and read.**

X privately opened. The Owner, subsequent to the bid opening, may elect to conduct clarifying discussions with the bidder to resolve any questions related to the substance of the bidder's proposal and to arrive at a final price for a responsive bid.

Any proposals received subsequent to the time specified will be promptly returned to the Bidder unopened.
- 2. Obtaining Documents.** The Plans, Specifications and Construction Drawings, together with all necessary forms and other documents for bidders may be obtained from the Owner, ~~or from the Engineer~~ _____ at the latter's office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 upon the payment of \$ 0.00, which payment will not be subject to refund. The Plans, Specifications, and Construction Drawings may be examined at the office of the Owner or at the office of the Engineer.
- 3. Manner of Submitting Proposals.** ~~Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner. The name and address of the Bidder, its license number if a license is required by the State, and the date and hour of the opening of bids must appear on the envelope in which the Proposal is submitted. Proposals must be completed in ink or typewritten. No alterations or interlineations will be permitted, unless made before submission, and initialed and dated. The successful Bidder will be required to execute two additional counterparts of the Proposal. See Section 00210 - Supplementary Instructions to Bidders.~~
- 4. Due Diligence.** Prior to the submission of the Proposal, the Bidder shall make and shall be deemed to have made a careful examination of the site of the project and of the Plans, Specifications, Construction Drawings, and forms of Contractor's Proposal and Contractor's Bond, and shall review the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, the kind of facilities required before and during the construction of the project, general local conditions, environmental and historic preservation considerations, and all other matters that may affect the cost and time of completion of the project. Bidder will be required to comply with all federal, state, and local laws, rules, and regulations applicable to its performance, including those pertaining to the licensing of contractors, and the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq).
- 5. Proposals will be accepted only from those prequalified bidders invited by the Owner to submit a proposal.**

6. **The Time for Completion of Construction** of the project is of the essence of the Contract and shall be as specified by the Engineer in the Proposal.
7. **Bid Bond.** ~~Each Proposal must be accompanied by a Bid Bond in the form attached hereto or a certified check on a bank that is a member of the Federal Deposit Insurance Corporation, payable to the order of the Owner, in an amount equal to ten percent (10%) of the maximum bid price. Each Bidder agrees, provided its Proposal is one of the three low Proposals, that, by filing its Proposal together with such Bid Bond or check in consideration of the Owner's receiving and considering such Proposals, said Proposal shall be firm and binding upon each such Bidder and such Bid Bond or check shall be held by the Owner until a Proposal is accepted and a satisfactory Contractor's Bond is furnished (where required) by the successful Bidder and such acceptance has been approved by the Administrator, or for a period not to exceed sixty (60) days from the date hereinbefore set for the opening of Proposals, whichever period shall be the shorter. If such Proposal is not one of the three low Proposals, the Bid Bond or check will be returned in each instance within a period of ten (10) days to the Bidder furnishing same.~~
8. **Contractor's Bond.** For a Contract in excess of \$100,000, the Bidder agrees to furnish a Contractor's Bond in triplicate in the form attached hereto with sureties listed by the United States Treasury Department as Acceptable Sureties, in a penal sum not less than the contract price.
9. **Failure to Furnish Contractor's Bond.** Should the successful Bidder fail or refuse to execute such counterparts or to furnish a Contractor's Bond (where required) within ten (10) days after written notification of the acceptance of the Proposal by the Owner, the Bidder will be considered to have abandoned the Proposal. In such event, the Owner shall be entitled (a) to enforce the Bid Bond in accordance with its terms, or (b) if a certified check has been delivered with the Proposal, to retain from the proceeds of the certified check, the difference (not exceeding the amount of the certified check) between the amount of the Proposal and such larger amount for which the Owner may in good faith contract with another party to construct the project. The term "Successful Bidder" shall be deemed to include any Bidder whose Proposal is accepted after another Bidder has previously refused or has been unable to execute the counterparts or to furnish a satisfactory Contractor's Bond (where required.)
10. **Evaluation Factors.** In estimating the lowest cost to the Owner as one of the factors in deciding the award of the Contract, the Owner will consider, in addition to the price quoted in the Proposals, the following:

a) If the Proposal contains a provision for "escalation" or increase of the base price quoted, the maximum amount possible under such escalation shall be stated and will be used for price comparison.

11. **Debarment Certification.** The Bidder must provide to the Owner a suspension and debarment certificate in the form attached hereto.
12. **Contract is Entire Agreement.** The Contract to be effected by the acceptance of the Proposal shall be deemed to include the entire agreement between the parties thereto, and the Bidder shall not claim any modifications thereof resulting from any representation or promise made at any time by any officer, agent or employee of the Owner or by any other person.
13. **Minor Irregularities.** The Owner reserves the right to waive minor irregularities or minor errors in any Proposal, if it appears to the Owner that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the Proposal in which they occur prior to the acceptance thereof by the Owner.
14. **Bid Rejection.** The Owner reserves the right to reject any or all Proposals.
15. **Definition of Terms.** The terms "Administrator," "Engineer," "Completion of Construction," and "Completion of the Project" as used throughout this Contract shall be as defined in Article VI, Section 1, of the Proposal. Refer to General Conditions, Article 1 for additional definition of terms.

16. The Owner Represents:

a. *If by provisions of the Proposal the Owner shall have undertaken to furnish any materials for the construction of the project, such materials are on hand at locations specified or if such materials are not on hand they will be made available by the Owner to the successful Bidder at the locations specified before the time such materials are required for construction.*

b. *All funds necessary for prompt payment for the construction of the project will be available.*

If the Owner shall fail to comply with any of the undertakings contained in the foregoing representation or if any of such representations shall be incorrect, the Bidder will be entitled to an extension of time of completion for a period equal to the delay, if any, caused by the failure of the Owner to comply with such undertakings or by any such incorrect representation; provided the Bidder shall have promptly notified the Owner in writing of its desire to extend the time of completion in accordance with the foregoing; provided, however, that such extension, if any, of the time of completion shall be the sole remedy of the Bidder for the Owner's failure, because of conditions beyond the control and without the fault of the Owner, to furnish materials in accordance with subparagraph a. above.

East Kentucky Power Cooperative, Inc.
Owner

By Randy Jial

Vice President Production
Title

March 14, 2005
Date

PROPOSAL

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TO:

East Kentucky Power Cooperative, Inc.

(hereinafter called the "Owner").

ARTICLE I--GENERAL

Section 1. Offer to Construct. *The undersigned (hereinafter called the "Bidder") hereby proposes to receive and install such materials and equipment as may hereinafter be specified to be furnished by the Owner, and to furnish all other materials and equipment, all machinery, tools, labor, transportation and other means required to construct the project in strict accordance with the Plans, Specifications and Construction Drawings for the prices hereinafter stated.*

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

See Section 00410 - Proposal Form.

Section 2. Purchase of Materials. *The Bidder will purchase all materials and equipment (other than Owner Furnished Materials) outright and not subject to any conditional sales agreements, bailment, lease or other agreement reserving unto the seller any right, title or interest therein. All such materials and equipment shall be new and become the property of the Owner when erected in place.*

Section 3. Description of Contract. *The Notice and Instructions to Bidders, Plans, Specifications, and Construction Drawings, which by this reference are incorporated herein, together with the Proposal and Acceptance constitute the Contract. The Plans, Specifications, and Construction Drawings, including maps, special drawings, and approved modifications in standard specifications are attached hereto and identified as follows:*

Contract F223 - Circulating Water Pipe

Spurlock Station - Unit 4

Maysville, Kentucky

Section 4. Due Diligence. *The Bidder has made a careful examination of the site of the project to be constructed and of the Plans, Specifications, Construction Drawings, and form of Contractor's Bond attached hereto, and has become informed as to the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, and the kind of facilities required before and during the construction of the project, and has become acquainted with the labor conditions, federal, state, and local laws, rules, and regulations applicable to its performance.*

Section 5. License. *The Bidder warrants that a Contractor's License is _____, is not X required, and if required,*

it possesses Contractor's License No. _____ for the State of _____

in which the project is located and said license expires on _____, 20____.

Section 6. Warranty of Good Faith. *The Bidder warrants that this Proposal is made in good faith and without collusion or connection with any person or persons bidding for the same work.*

Section 7. Financial Resources.

- a. *The Bidder warrants that it has or will obtain the financial resources necessary to ensure completion of the project.*
- b. *The Bidder agrees that in the event this Proposal is accepted and a Contractor's Bond is required, it will furnish a Contractor's Bond in the form attached hereto, in a penal sum not less than the maximum Contract price, with a surety or sureties listed by the United States Department of Treasury as Acceptable Sureties.*

~~**Section 8. Taxes.** *The prices in this Proposal include provisions for the payment of all monies which will be payable by the Bidder or the Owner in connection with the construction of the project on account of taxes imposed by any taxing authority upon the sale, purchase or use of materials, supplies and equipment, or services or labor of installation thereof, to be incorporated in the project. The Bidder agrees to pay all such taxes, except taxes upon the sale, purchase or use of Owner Furnished Materials. The Bidder will furnish to the appropriate taxing authorities all required information and reports pertaining to the project, except as to the Owner Furnished Materials. See Section 00210 - Supplementary Instructions to Bidders.*~~

ARTICLE II--CONSTRUCTION

Section 1. Time and Manner of Construction.

- a. *The Bidder agrees to commence construction of the project on a date (hereinafter called the "Commencement Date") which shall be determined by the Engineer after notice to the bidder in writing of approval of the contract by the Administrator, if approval of the Administrator is required, and notice in writing from the Bidder that the Bidder has sufficient materials to warrant commencement and continuation of construction, but in no event will the Commencement Date be of Notice to Proceed later than _____ 10 _____ calendar days after date of approval of the contract by the Administrator, if approval of the Administrator is required. The Bidder further agrees to prosecute diligently and to complete construction in strict accordance with the Plans, Specifications and Construction Drawings ^{by April 4, 2006.} within _____ calendar days after Commencement Date.*
- b. *The time for Completion of Construction shall be extended for the period of any reasonable delay which is due exclusively to causes beyond the control and without the fault of the Bidder, including Acts of God, fires, floods, inability to obtain materials and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible. Provided, however that no such extension of time for completion shall be granted the Bidder unless within ten (10) days after the happening of any event relied upon by the Bidder for such an extension of time the Bidder shall have made a request therefore in writing to the Owner, and provided further that no delay in such time of completion or in the progress of the work which results from any of the above causes except acts or omissions of the Owner, shall result in any liability on the part of the Owner.*
- c. *The Owner, acting through the Engineer with the approval of the Administrator, if approval of the Administrator is required, may from time to time during the progress of the construction of the project make such changes, additions or subtractions from the Plans, Specifications, Construction Drawings, and sequence of construction as conditions may warrant: Provided, however, that if*

any change in the construction to be done shall require an extension of time, a reasonable extension will be granted if the Bidder shall make a written request therefore to the Owner within (10) days after any such change is made. And provided further, that if the cost to the Bidder of construction of the project shall be materially increased by any such change or addition, the Owner shall pay the Bidder for the reasonable cost thereof in accordance with a Construction Contract Amendment signed by the Owner and the Bidder and approved by the Administrator, if approval by the Administrator is required, but no claim for additional compensation for any such change or addition will be considered unless the Bidder shall have made a written request therefore to the Owner prior to the commencement of work in connection with such change or addition

Section 2. Environmental Protection. *The Bidder shall perform the work in compliance with all applicable Federal, State, and local Environmental Laws. For purposes of this Agreement, the term "Environmental Laws" shall mean all Federal, state, and local laws including statutes, regulations, ordinances, codes, rules, and other governmental restriction and requirements relating to the environment or solid waste, hazardous substances, hazardous waste, toxic or hazardous material, pollutants or contaminants including, but not limited to the Comprehensive Environmental Response, Compensation, and Liability Act, as amended, 42 U.S.C. §§ 9601, et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251, et seq., and the Solid Waste Disposal Act, as amended, 42 U.S.C. §§ 6901, et seq., now or at any time hereafter in effect.*

Section 3. Tools, Equipment, and Qualified Personnel. *The Bidder agrees that in the event this Proposal is accepted it will make available for use in connection with the proposed construction all necessary tools and equipment and qualified supervisors and workers.*

Section 4. Supervision and Inspection.

- a. *The Bidder shall give sufficient supervision to the work, using its best skill and attention. The Bidder will carefully study and compare all drawings, specifications and other instructions and will at once report to the Owner any error, inconsistency or omission which it may discover. The Bidder shall cause the construction work on the project to receive constant supervision by a competent superintendent (hereinafter called the "Superintendent") who shall be present at all times during working hours where construction is being carried on. The Bidder shall also employ, in connection with the construction of the project, capable, experienced and reliable supervisors and such skilled workers as may be required for the various classes of work to be performed. The Bidder shall be solely responsible for the means and methods of construction and for the supervision of the Bidder's employees.*
- b. *The Owner reserves the right to require the removal from the project of any employee of the Bidder if in the judgment of the Owner such removal shall be necessary in order to protect the interest of the Owner. The Owner shall have the right to require the Bidder to increase the number of its employees and to increase or change the amount or kind of tools and equipment if at any time the progress of the work shall be unsatisfactory to the Owner; but the failure of the Owner to give any such directions shall not relieve the Bidder of its obligations to complete the work within the time and in the manner specified in this Proposal.*
- c. *The construction of the project and all materials and equipment used therein, shall be subject to the inspection, tests, and acceptance by the Owner and the Administrator and the Bidder shall furnish all information required by the Owner or by the Administrator concerning the nature or source of any materials incorporated or to be incorporated in the project. All Bidder procedures and records pertaining to the work shall be made available to the Owner and the Administrator for review prior to such inspections and tests. The Bidder shall provide all reasonable facilities necessary for such inspection and tests and shall maintain an office at the site of the project, with telephone service where obtainable and at least one office employee to whom communications from the Owner may be delivered. Delivery of such communications in writing to the employee of the Bidder at such office shall constitute delivery to the Bidder. The Bidder shall have an authorized agent accompany the Engineer when final inspection is made and, if requested by the Owner, when any other inspection is made. The performance of such inspections or tests by the*

Owner or the Administrator shall not relieve the Bidder of its obligations to perform the work in accordance with the requirements of this Contract.

- d. In the event that the Owner, or the Administrator, shall determine that the construction contains or may contain numerous defects, it shall be the duty of the Bidder and the Bidder's Surety or Sureties, if any, to have an inspection made by an engineer approved by the Owner and the Administrator, if approval by the Administrator is required, for the purpose of determining the exact nature, extent and location of such defects.
- e. The Engineer may recommend to the Owner that the Bidder suspend the work wholly or in part for such period or periods as the Engineer may deem necessary due to unsuitable weather or such other conditions as are considered unfavorable for satisfactory prosecution of the work or because of the failure of the Bidder to comply with any of the provisions of the Contract: Provided, however, that the Bidder shall not suspend work pursuant to this provision without written authority from the Owner so to do. The time of completion hereinabove set forth shall be increased by the number of days of any such suspension, except when such suspension is due to the failure of the Bidder to comply with any of the provisions of this Contract. In the event that work is suspended by the Bidder with the consent of the Owner, the Bidder before resuming work shall give the Owner at least twenty-four (24) hours notice thereof in writing.

Section 5. Defective Materials and Workmanship.

- a. The acceptance of any materials, equipment (except Owner Furnished Materials) or any workmanship by the Owner or the Engineer shall not preclude the subsequent rejection thereof if such materials, equipment, or workmanship shall be found to be defective after delivery or installation, and any such materials, equipment or workmanship found defective before final acceptance of the construction shall be replaced or remedied, as the case may be, by and at the expense of the Bidder. Any such condemned material or equipment shall be immediately removed from the site of the project by the Bidder at the Bidder's expense. The Bidder shall not be entitled to any payment hereunder so long as any defective materials, equipment or workmanship in respect to the project, of which the Bidder shall have had notice, shall not have been replaced or remedied, as the case may be.
- b. Notwithstanding any certificate which may have been given by the Owner or the Engineer, if any materials, equipment (except Owner Furnished Materials) or any workmanship which does not comply with the requirements of this Contract shall be discovered within one (1) year after Completion of Construction of the project, the Bidder shall replace such defective materials or equipment or remedy any such defective workmanship within thirty (30) days after notice in writing of the existence thereof shall have been given by the Owner. If any such defective materials, equipment, or workmanship so replaced or repaired is found to be defective within one year after the completion of the replacement or repair, the Bidder shall replace or remedy such defective materials, equipment, or workmanship. In the event of failure by the Bidder so to do, the Owner may replace such defective materials or equipment or remedy such defective workmanship, as the case may be, and in such event the Bidder shall pay to the Owner the cost and expense thereof.

ARTICLE III--PAYMENTS AND RELEASE OF LIENS

Section 1. Payments to Bidder.

- a. On or before the fifth (5) day of each calendar month, the Bidder will make application for payment, and the Owner, on or before the fifteenth (15) day of such month, shall make partial payment to the Bidder for construction accomplished during the preceding calendar month and certified to by the Bidder, recommended by the Engineer and approved by the Owner solely for the purposes of payment: Provided, however, that such approval shall not be deemed approval of the workmanship or materials. Only ninety percent (90%) of each such estimate approved during the construction of the project shall be paid by the Owner to the Bidder prior to Completion of the

- project. Upon completion by the Bidder of the construction of the project, the Engineer will inspect the work performed hereunder. If the Engineer finds the work acceptable and all provisions hereunder fully performed, the Engineer will so certify to the Owner. Upon the approval by the Owner and the Administrator, if the approval of the Administrator is required, of a Certificate of Completion in the form attached hereto, showing the total cost of the construction performed, the Owner shall make payment to the Bidder of all amounts to which the Bidder shall be entitled thereunder which shall not have been paid: Provided, however, that such final payment shall be made not later than ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, unless withheld because of the fault of the Bidder. Refer to **General Conditions, Article 14.07.**
- b. Interest at the rate of five and one-half percent¹ (5-1/2%) per annum shall be paid by the Owner to the Bidder on all unpaid balances due on monthly estimates, commencing fifteen (15) days after the due date, provided the delay in payment beyond the due date is not caused by any condition within the control of the Bidder. The due date for purposes of such monthly payment or interest on all unpaid balances shall be the fifteenth (15) day of each calendar month provided (1) the Bidder on or before the fifth (5) day of such month shall have submitted its certification of Construction Units completed during the preceding month and (2) the Owner on or before the fifteenth (15) day of such month shall have approved such certification. If, for reasons not due to the Bidder's fault, such approval shall not have been given on or before the fifteenth (15) day of such month, the due date for purposes of this subsection b shall be the fifteenth (15) day of such month notwithstanding the absence of the approval of the certification.
 - c. Interest at the rate of five and one-half percent¹ (5-1/2%) per annum shall be paid by the Owner to the Bidder on the final payment for the project, commencing fifteen (15) days after the due date. The due date for purposes of such final payment or interest on all unpaid balances shall be the date of approval by the Owner of all of the documents requiring such approval, as a condition precedent to the making of final payment, or ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, whichever date is earlier.
 - d. No payment shall be made to the Bidder for materials or labor involved in correcting errors or omissions on the part of the Bidder which result in construction not in accordance with the Plans and Specifications.
 - e. No payment shall be due while the Bidder is in default in respect of any of the provisions of this Contract and the Owner may withhold from the Bidder the amount of any claim by a third party against either the Bidder or the Owner based upon an alleged failure of the Bidder to perform the work hereunder in accordance with the provisions of this Contract.
 - f. The Owner and the Administrator shall have the right to inspect all payrolls, invoices of materials, and other data and records of the Bidder and of any subcontractor, relevant to the construction of the project.

Section 2. Release of Liens and Certificate of Contractor. Upon the completion by the Bidder of the construction of the project but prior to final payment to the Bidder, the Bidder shall deliver to the Owner, in duplicate, releases of all liens and of rights to claim any lien, in the form attached hereto from all manufacturers, material suppliers, and subcontractors furnishing services or materials for the project and a certificate in the form attached hereto to the effect that all labor used on or for the project has been paid and that all such releases have been submitted to the Owner.

Section 3. Payments to Material Suppliers and Subcontractors. The Bidder shall pay each material supplier, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed

¹ The Owner shall insert a rate equal to the lowest "Prime Rate" listed in the "Money Rates" section of the Wall Street Journal on the date such invitation to bid is issued.

² See Footnote 1

the Bidder for and on account of materials furnished or construction performed by each material supplier or each subcontractor.

ARTICLE IV--PARTICULAR UNDERTAKINGS OF THE BIDDER

Section 1. Protection to Persons and Property. *The Bidder shall at all times take all reasonable precautions for the safety of employees on the work and of the public, and shall comply with all applicable provisions of federal, state, and local laws, rules, and regulations and building and construction codes, in addition to the safety rules and procedures of the Owner.*

The following provisions shall not limit the generality of the above requirements:

- ↙ "broom clean" and
- a. *The Bidder shall at all times keep the premises free from accumulations of waste materials or rubbish caused by its employees or work, and at the completion of the work the Bidder shall remove all rubbish from and about the Project and all its tools, scaffolding and surplus materials and shall leave the work "broom clean". The Bidder shall dispose of waste material by burying it on the work site or in a manner approved by local authorities, but shall not dispose of any waste materials or rubbish by open burning. ~~The Bidder shall provide chemical sanitary facilities which may be required.~~*
 - b. *The Bidder shall transport and store all material in facilities and vehicles which are designed to protect the material from damage. The Bidder shall ensure that all vehicles, trailers, and other equipment used comply with all applicable licensing, traffic, and highway requirements.*
 - c. *The Bidder shall provide and maintain all such guard lights and other protection for the public as may be required by applicable statutes, ordinances and regulations or by local conditions.*
 - d. *The project, from the commencement of work to completion, or to such earlier date or dates when the Owner may take possession and control in whole or in part as hereinafter provided shall be under the charge and control of the Bidder and during such period of control by the Bidder all risks in connection with the construction of the project and the materials to be used therein shall be borne by the Bidder. The Bidder shall make good and fully repair all injuries and damages to the project or any portion thereof under the control of the Bidder by reason of any act of God or other casualty or cause whether or not the same shall have occurred by reason of the Bidder's negligence.*
 - (i) *To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all claims, causes of action, losses, liabilities, and expenses (including reasonable attorney's fees) for personal loss, injury, or death to persons (including but not limited to Bidder's employees) and loss, damage to or destruction of Owner's property or the property of any other person or entity (including but not limited to Bidder's property) in any manner arising out of or connected with the Contract, or the materials or equipment supplied or services performed by Bidder, its subcontractors and suppliers of any tier. But nothing herein shall be construed as making Bidder liable for any injury, death, loss, damage, or destruction caused by the sole negligence of Owner.*
 - (ii) *To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all liens and claims filed or asserted against Owner, its directors, officers, and employees, or Owner's property or facilities, for services performed or materials or equipment furnished by Bidder, its subcontractors and suppliers of any tier, and from all losses, demands, and causes of action arising out of any such lien or claim. Bidder shall promptly discharge or remove any such lien or claim by bonding, payment, or otherwise and shall notify Owner promptly when it has done so. If Bidder does not cause such lien or claim to be discharged or released by payment, bonding, or otherwise, Owner shall have the right (but shall not be obligated) to*

pay all sums necessary to obtain any such discharge or release and to deduct all amounts so paid from the amount due Bidder.

- (iii) Bidder shall provide to Owner's satisfaction evidence of Bidder's ability to comply with the indemnification provisions of subparagraphs i and ii above, which evidence may include but may not be limited to a bond or liability insurance policy obtained for this purpose through a licensed surety or insurance company.
- e. Upon violation by the Bidder of any of the provisions of this section, after written notice of such violation given to the Bidder by the Engineer or the Owner, the Bidder shall immediately correct such violation. Upon failure of the Bidder so to do the Owner may correct such violation at the Bidder's expense. Provided, however, that the Owner may, if it deems it necessary or advisable, correct such violation at the Bidder's expense without such prior notice to the Bidder.
- f. The Bidder shall submit to the Owner monthly reports in duplicate of all accidents, giving such data as may be prescribed by the Owner.

Section 2. Insurance. The Bidder shall take out and maintain throughout the period of this Agreement the following types and minimum amounts of insurance:

- a. Workers' compensation and employers' liability insurance, as required by law, covering all its employees who perform any of the obligations of the Bidder under the contract. If any employer or employee is not subject to the workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.
- b. Public liability insurance covering ~~all operations~~^{\$5} under the contract shall have limits for bodily injury or death of not less than ~~\$1 million~~^{\$5} each occurrence, limits for property damage of not less than ~~\$1 million~~^{\$5} each occurrence, and ~~\$1 million~~^{\$5} aggregate for accidents during the policy period. A single limit of ~~\$1 million~~^{\$5} of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.
- c. Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million per person and \$1 million each occurrence, and property damage limits of \$1 million for each occurrence. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.

The Owner shall have the right at any time to require public liability insurance and property damage liability insurance greater than those required in subsection "b" and "c" of this Section. In any such event, the additional premium or premiums payable solely as the result of such additional insurance shall be added to the Contract price.

The Owner shall be named as Additional Insured on all policies of insurance required in subsections "b" and "c" of this Section.

The policies of insurance shall be in such form and issued by such insurer as shall be satisfactory to the Owner. The Bidder shall furnish the Owner a certificate evidencing compliance with the foregoing requirements which shall provide not less than (30) days prior written notice to the Owner of any cancellation or material change in the insurance.

Section 3. Delivery of Possession and Control to Owner. Upon written request of the Owner the Bidder shall deliver to the Owner full possession and control of any portion of the project provided the Bidder shall have been paid at least ninety percent (90%) of the cost of construction of such portion. Upon such delivery of the possession and control of any portion of the project to the Owner, the risk and

obligations of the Bidder as set forth in Article IV, Section 1.d hereof with respect to such portion of the project so delivered to the Owner shall be terminated; Provided, however, that nothing herein contained shall relieve the Bidder of any liability with respect to defective materials and workmanship as contained in Article II, Section 5 hereof.

Section 4. Assignment of Guarantees. *All guarantees of materials and workmanship running in favor of the Bidder shall be transferred and assigned to the Owner prior to the time the Bidder receives final payment.*

ARTICLE V--REMEDIES

Section 1. Completion on Bidder's Default. *If default shall be made by the Bidder or by any subcontractor in the performance of any of the terms of this Proposal, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Bidder and the Surety or Sureties, if any, upon the Contractor's Bond or Bonds a written notice requiring the Bidder to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Bidder such default shall be corrected or arrangements for the correction thereof satisfactory to both the Owner and the Administrator shall be made by the Bidder or its Surety or Sureties, if any, the Owner may take over the construction of the project and prosecute the same to completion by Contract or otherwise for the account and at the expense of the Bidder, and the Bidder and its Surety or Sureties, if any, shall be liable to the Owner for any cost or expense in excess of the Contract price occasioned thereby. In such event the Owner may take possession of and utilize, in completing the construction of the project, any materials, tools, supplies, equipment, appliances, and plant belonging to the Bidder or any of its subcontractors, which may be situated at the site of the project. The Owner in such contingency may exercise any rights, claims or demands which the Bidder may have against third persons in connection with this Contract and for such purpose the Bidder does hereby assign, transfer and set over unto the Owner all such rights, claims and demands.*

Section 2. Liquidated Damages. *The time of the Completion of Construction of the project is of the essence of the Contract. Should the Bidder neglect, refuse or fail to complete the construction within the time herein agreed upon, after giving effect to extensions of time, if any, herein provided, then, in that event and in view of the difficulty of estimating with exactness damages caused by such delay, the Owner shall have the right to deduct from and retain out of such moneys which may be then due, or which may become due and payable to the Bidder the sum of Five Thousand _____ dollars (\$5,000) per day for each and every day that such construction is delayed in its completion beyond the specified time, as liquidated damages and not as a penalty; if the amount due and to become due from the Owner to the Bidder is insufficient to pay in full any such liquidated damages, the Bidder shall pay to the Owner the amount necessary to effect such payment in full: Provided, however, that the Owner shall promptly notify the Bidder in writing of the manner in which the amount retained, deducted or claimed as liquidated damages was computed. , to a maximum of 10% of the Contract Price.*

Section 3. Cumulative Remedies. *Every right or remedy herein conferred upon or reserved to the Owner or the Government or the Administrator shall be cumulative, shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute and the pursuit of any right or remedy shall not be construed as an election: Provided, however, that the provisions of Section 2 of this Article shall be the exclusive measure of damages for failure by the Bidder to complete the construction of the project within the time herein agreed upon.*

ARTICLE VI--MISCELLANEOUS

Section 1. Definitions. Refer to the General Conditions.

- a. *The term "Administrator" shall mean the Administrator of the Rural Utilities Service of the United States of America and his or her duly authorized representative or any other person in whom or authority in which may be vested the duties and functions which the Administrator is now authorized by law to perform.*

- b. *The term "Engineer" shall mean the Engineer employed by the Owner, to provide engineering services for the project and said Engineer's duly authorized assistants and representatives.*
- c. *The term "Completion of Construction" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof except the Bidder's obligations in respect of Releases of Liens and Certificate of Contractor under Article III, Section 2 hereof and other final documents. The term "Completion of the Project" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof. The Certificate of Completion, signed by the Engineer and approved in writing by the Owner and the Administrator, if approval by the Administrator is required, shall be the sole and conclusive evidence as to the date of Completion of Construction and as to the fact of Completion of the Project.*

Section 2. Materials and Supplies. *In the performance of this contract there shall be furnished only such unmanufactured articles, materials, and supplies as have been mined or produced in the United States or in any eligible country, and only such manufactured articles, materials, and supplies as have been manufactured in the United States or in any eligible country substantially all from articles, materials, or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country, provided that other articles, materials, or supplies may be used in the event and to the extent that the Administrator shall expressly in writing authorize such use pursuant to the provisions of the Rural Electrification Act of 1938, being Title IV of Public Resolution No. 122, 75th Congress, approved June 21, 1938. For the purposes of this section, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative. The Bidder agrees to submit to the Owner such certificates with respect to compliance with the foregoing provision as the Administrator from time to time may require.*

Section 3. Patent Infringement. *The Bidder shall hold harmless and indemnify the Owner ^{and Engineer} from any and all claims, suits and proceedings for the infringement of any patent or patents covering any materials or equipment used in construction of the project.*

Section 4. Permits for Explosives. *All permits necessary for the handling or use of dynamite or other explosives in connection with the construction of the project shall be obtained by and at the expense of the Bidder.*

Section 5. Compliance with Laws. *The Bidder shall comply with all federal, state, and local laws, rules, and regulations applicable to its performance under the contract and the construction of the project. The Bidder acknowledges that it is familiar with the Rural Electrification Act of 1936, as amended, the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq), and 18 U.S.C. §§ 286, 287, 641, 661, 874, 1001, and 1366, as amended.*

The Bidder represents that to the extent required by Executive Orders 12549 (3 CFR, 1985-1988 Comp., p. 189) and 12689 (3 CFR, 1989 Comp., p. 235), Debarment and Suspension, and 7 CFR part 3017, it has submitted to the Owner a duly executed certification in the form prescribed in 7 CFR part 3017.

The Bidder represents that, to the extent required, it has complied with the requirements of Pub. L. 101-121, Section 319, 103 Stat. 701, 750-765 (31 U.S.C. 1352), entitled "Limitation on use of appropriated funds to influence certain Federal contracting and financial transactions," and any rules and regulations issued pursuant thereto.

Section 6. Equal Opportunity Provisions.

a. Bidder's Representations.

The Bidder represents that:

It has X, does not have , 100 or more employees, and if it has, that it has X, has not , furnished the Equal Employment Opportunity-Employers Information Report EEO-1, Standard Form 100, required of employers with 100 or more employees pursuant to Executive Order 11246 of September 24, 1965, and Title VII of the Civil Rights Act of 1964.

The Bidder agrees that it will obtain, prior to the award of any subcontract for more than \$10,000 hereunder to a subcontractor with 100 or more employees, a statement, signed by the proposed subcontractor, that the proposed subcontractor has filed a current report on Standard Form 100.

The Bidder agrees that if it has 100 or more employees and has not submitted a report on Standard Form 100 for the current reporting year and that if this Contract will amount to more than \$10,000, the Bidder will file such report, as required by law, and notify the owner in writing of such filing prior to the Owner's acceptance of this Proposal.

b. Equal Opportunity Clause. During the performance of this Contract, the Bidder agrees as follows:

- (1) The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Bidder will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotions or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection of training, including apprenticeship. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this Equal Opportunity Clause.*
- (2) The Bidder will, in all solicitations or advertisements for employees placed by or on behalf of the Bidder, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.*
- (3) The Bidder will send to each labor union or representative of workers, with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the Bidder's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.*
- (4) The Bidder will comply with all provisions of Executive Order 11246 of September 24, 1965, and the rules, regulations and relevant orders of the Secretary of Labor.*
- (5) The Bidder will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.*
- (6) In the event of the Bidder's noncompliance with the Equal Opportunity Clause of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part, and the Bidder may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of*

September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as provided by law.

(7) The Bidder will include this Equal Opportunity Clause in every subcontract or purchase order unless exempted by the rules, regulations, or order of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Bidder will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; Provided, however, that in the event Bidder becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Bidder may request the United States to enter into such litigation to protect the interests of the United States.

- c. *Certificate of Nonsegregated Facilities.* The Bidder certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this Contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Bidder agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that it will retain such certifications in its files.

Section 7. Nonassignment of Contract. *The Bidder shall perform directly and without subcontracting not less than twenty-five percent (25%) of the construction of the project, to be calculated on the basis of the total Contract price. The Bidder shall not assign the Contract effected by an acceptance of this Proposal or any interest in any funds that may be due or become due hereunder or enter into any contract with any person, firm or corporation for the performance of the Bidder's obligations hereunder or any part thereof, without the approval in writing of the Owner and of the Surety or Sureties, if any, on any bond furnished by the Bidder for the faithful performance of the Bidder's obligations hereunder. If the Bidder, with the consent of the Owner and any Surety or Sureties on the Contractor's Bond or Bonds, shall enter into a subcontract with any subcontractor for the performance of any part of this Contract, the Bidder shall be as fully responsible to the Owner and the Government for the acts and omissions of such subcontractor and of persons employed by such subcontractor as the Bidder would be for its own acts and omissions and those of persons directly employed by it.*

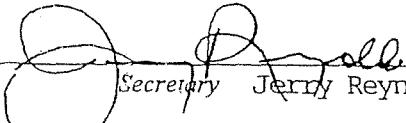
Section 8. Successors and Assigns. *Each and all of the covenants and agreements herein contained shall extend to and be binding upon the successors and assigns of the parties hereto. The Owner and Bidder acknowledge that this Contract is assigned to the Government, acting through the Administrator, for security purposes under the Owner's mortgage and security instrument.*

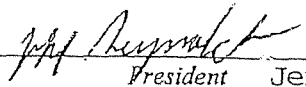
Section 9. Independent Contractor. *The Bidder shall perform the work as an independent contractor, not as a subcontractor, agent, or employee of the Owner. Upon acceptance of this Proposal, the successful Bidder shall be the Contractor and all references in the Proposal to the Bidder shall apply to the Contractor.*

Section 10. Approval by the Administrator: *This contract does X , does not , require approval of the Administrator. No acceptance of a Proposal for a contract upon which approval of the Administrator*

is required shall become effective until the contract has been approved by the Administrator; provided that no obligation shall arise hereunder unless such approval is given within one-hundred twenty (120) days after the date set for the opening of the proposals. The acceptance of a Proposal for a contract upon which approval of the Administrator is not required shall become effective the date of acceptance by the Owner.

ATTEST:


Secretary Jerry Reynolds
Dated April 11, 2005

Reynolds, Inc.
Bidder

President Jeff Reynolds
4520 North State Road 37
Address
Orleans, Indiana 47452

The Proposal must be signed with the full name of the Bidder. If the Bidder is a partnership, the Proposal must be signed in the partnership name by a partner. If the Bidder is a corporation, the Proposal must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

ACCEPTANCE

Subject to the approval of the Administrator, if approval of the Administrator is required, the Owner hereby accepts the foregoing Proposal of the Bidder, Reynolds, Inc.

, for the construction of the following:

circulating water pipe for Spurlock 4

REDACTED

for a total contract price of [REDACTED] ([REDACTED] dollars.)

East Kentucky Power Cooperative,
Owner
By Ray M. Falk
President

Della E. Damon Forandon
Secretary
behalf of the Corporate Secretary

May 10, 2005
Date of Contract

U.S. Department of Agriculture
Rural Utilities Service

PSC Request 1a.
Attachment No. 20
PAGE 28

CONTRACTOR'S BOND

1. Know all men that we, _____ as
Principal, and _____ as Surety,
are held and firmly bound unto _____
(hereinafter called the "Owner") and unto the United States of America (hereinafter called the "Government")
and unto all persons, firms and corporations who or which may furnish materials for or perform labor on a
Rural Utilities Service project known as _____
and to their successors and assigns, in the penal sum of _____
dollars (\$ _____), as hereinafter set forth and for the payment of which sum well
and truly to be made we bind ourselves, our executors, administrators, successors and assigns jointly and
severally by these presents. Said project is described in a certain construction contract (hereinafter called the
"Construction Contract") between the Owner and the Principal, dated _____, 20____
pursuant and subject to a certain loan contract (hereinafter called the "Loan Contract") between the Owner
and the Government, acting through the Administrator of the Rural Utilities Service (hereinafter called the
"Administrator").
2. The condition of this obligation is such that if the Principal shall well and truly perform and fulfill all the
undertakings, covenants, terms, conditions and agreements of the Construction Contract and any amendments
thereto, whether such amendments are for additions, decreases, or changes in materials, their quantity, kind or
price, labor costs, mileage, routing or any other purpose whatsoever, and whether such amendments are made
with or without notice to the Surety, and shall fully indemnify and save harmless the Owner and the
Government from all costs and damages which they, or either of them, shall suffer or incur by reason of any
failure so to do, and shall fully reimburse and repay the Owner and the Government for all outlay and expense
which they, or either of them shall incur in making good any such failure of performance on the part of the
Principal, and shall promptly make payment to all persons working on or supplying labor or materials for use
in the construction of the project contemplated in the Construction Contract and any amendments thereto, in
respect of such labor or materials furnished and used therein, to the full extent thereof, and in respect of such
labor or materials furnished but not so used, to the extent of the quantities estimated in the Construction
Contract and any amendments thereto to be required for the construction of the project, and shall well and
truly reimburse the Owner and the Government, as their respective interests may appear, for any excess in cost
of construction of said project over the cost of such construction as provided in the Construction Contract and
any amendments thereto, occasioned by any default of the Principal under the Construction Contract and any
amendments thereto, then this obligation shall be null and void, but otherwise shall remain in full force and
effect.
3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal
and separate amendments hereto, upon any amendment to the Construction Contract, so as to bind the
Principal and the Surety to the full and faithful performance of the Construction Contract as so amended,
provided only that the total amount of all increases in the cost of construction shall not exceed 20 percent of the
amount of the maximum price set forth in the Construction Contract. The term "Amendment," wherever used
in this bond, and whether referring to this bond, the Construction Contract or the Loan Contract shall include
any alteration, addition, extension, modification, amendment, rescission, waiver, release or annulment, of any
character whatsoever.
4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the
Principal and the Owner in the terms, provisions, covenants and conditions of the Construction Contract, or in
the terms, provisions, covenants and conditions of the Loan Contract (including, without limitation, the
granting by the Administrator to the Owner of any extension of time for the performance of the obligations of

the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Construction Contract, or the failure or refusal of the Administrator or the Owner to take any action, proceeding or step to enforce any remedy or exercise any right under either the Construction Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Construction Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them or their respective executors, administrators, successors or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted or permitted.

- 5. This bond is made for the benefit of all persons, firms and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed under the Construction Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they and each of them may sue hereon.

In witness whereof, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

_____ day of _____, 20_____

Principal (Seal)

ATTEST:

By _____

Secretary

Surety (Seal)

ATTEST:

By _____

Secretary

Address of Surety's Home Office

By _____
Resident Agent of Surety

Signatures: The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by a partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended.

Power of Attorney: The Contractor's Bond must be accompanied by a power of attorney authorizing execution on behalf of the Surety and, in jurisdictions so requiring should be countersigned by a duly authorized resident agent of the Surety.

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CERTIFICATE OF COMPLETION - CONTRACT CONSTRUCTION

I, the undersigned Architect or Engineer of the following Rural Utilities Service project, do hereby certify that:

1. The construction provided for pursuant to Construction Contract No. _____, dated _____, 20____, including all approved amendments, between _____, RUS designation _____ ("Owner") and _____ ("Contractor") has been completed as of _____, 20____, and is in compliance with the provisions of the Construction Contract, including all plans, specifications, maps, and drawings and all modifications thereof.
2. Payment in full has been made to all persons who have furnished labor for the project.
3. The Contractor has obtained valid releases of lien from all manufacturers, material suppliers, and subcontractors furnishing services or materials which were employed by the Contractor in the performance of the Construction Contract, and that such releases have been delivered by the Contractor to the Owner.
4. If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of all work performed in accordance with the Construction Contract.
5. If applicable, the staking sheets and tabulation of staking sheets upon which the Final Inventory is based show the accurate location, number, and kind of till units of construction of the project and show all work performed in accordance with the Construction Contract.
6. All defects in workmanship and materials reported during the period of construction of the project have been corrected.
7. The total cost of the project as completed is _____ dollars (\$ _____).

Dated this _____ day of _____, 20____,

Name of Architect or Engineer

By _____

Date

Title

CERTIFICATE OF COMPLETION CONTRACT CONSTRUCTION

(continued)

We, the undersigned Owner and Contractor, do hereby certify that:

1. *The project has been completed in accordance with the provisions of the Construction Contract, dated _____, 20 _____, provided, however, that acceptance of the project by the Owner shall not be deemed to relieve the Contractor of its obligations contained in the Construction Contract with respect to defective workmanship or, materials discovered within one year after the date of completion.*

2. *If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of work performed in accordance with the Construction Contract.*

Date

Date

Owner

By _____
President

Name Of Contactor

By _____

Title

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**BUY AMERICAN
CERTIFICATE**

With respect to compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938).

Rural Utilities Service Project Contract F223 – Circulating Water Pipe, Spurlock Station – Unit 4

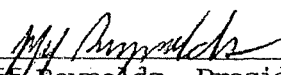
The undersigned, being, the Contractor ¹

in a certain contract No. _____ dated _____, _____, between the undersigned

and East Kentucky Power Cooperative ²,

does hereby certify that in the performance of the said contract there have been used or furnished no unmanufactured articles, materials or supplies which have not been mined or produced in the United States² or in any eligible country and no manufactured articles, materials or supplies which have not been manufactured in the United States or in any eligible country substantially all from articles, materials or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country, except to the extent that compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938) has been waived by the Administrator of the Rural Utilities Service. For purposes of this certificate, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative.³

Reynolds, Inc.

By 
Jeff Reynolds, President

Date April 11, 2005

¹ Insert "Contractor," "Subcontractor," "Seller," Or "Material Supplier," as the case may be
² United States means United States, its territories and possessions.
³ A current list of eligible countries may be obtained by contacting RUS.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0572-0107. The time required to complete this information collection is estimated to average 1 minute per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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WAIVER AND RELEASE OF LIEN

WHEREAS the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

has furnished to _____ the following:
NAME OF CONTRACTOR

_____ for
KIND OF MATERIAL AND SERVICES FURNISHED

use in the construction of a project belonging to _____,
NAME OF BORROWER

and designated by the Rural Utilities Service as _____
RUS DESIGNATION

NOW, THEREFORE, the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

for and in consideration of \$ _____, and other good and valuable consideration, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any and all liens, or right to or claim of lien, on the above described project and premises, under any law, common or statutory, on account of labor or materials, or both, heretofore or hereafter furnished by the undersigned to or for the account of

said _____ for said project only to the extent of payment received.
NAME OF CONTRACTOR

Given under my (our) hand(s) and seal(s) this _____ day of _____, 20 _____.

Name Of Manufacturer, Material Supplier, or Subcontractor

By _____
President

This Waiver and Release of Lien must be signed with the full name of the Manufacturer, Material Supplier, or Subcontractor. If the Manufacturer, Material Supplier, or Subcontractor is a partnership, this Waiver and Release of Lien must be signed in the partnership name by a partner. If the Manufacturer, Material Supplier, or Subcontractor is a corporation, this Waiver and Release of Lien must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

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CERTIFICATE OF CONTRACTOR

_____ certifies that he or she is the

_____ of _____,
TITLE NAME OF CONTRACTOR

the Contractor, in a Construction Contract No. _____

dated _____, 20_____, entered into between the Contractor and

_____, RUS designation _____,
NAME OF RUS BORROWER

the Owner, and that he or she is authorized to and does make this certification on behalf of said Contractor in order to induce the Owner to make payment to the Contractor, in accordance with the provisions of said Construction Contract.

Undersigned further says that all persons who have furnished labor in connection with said construction have been paid in full, that the names of manufacturers, material suppliers, and subcontractors that furnished material or services or both in connection with such construction and the kind or kinds of material or services or both so furnished are:

NAME	KIND OF MATERIAL OR SERVICES
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

and that the releases of liens executed by all such manufacturer, material suppliers and subcontractors have been furnished the Owner.

_____ Date _____ President

This Certificate must be signed with the full name of the Contractor. If the Contractor is a partnership, this Certificate must be signed in the partnership name by a partner. If the Contractor is a corporation, this Certificate must be signed in the corporate name by a duly authorized officer.

1.01 COPIES OF BIDDING DOCUMENTS

- A. Complete sets of the Bidding Documents in the number and for the deposit sum, if any, stated in the Notice and Instructions to Bidders may be obtained from the Owner.
- B. Complete sets of Bidding Documents must be used in preparing Proposals; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- C. Owner and Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Proposals for the Work and do not confer a license or grant for any other use.

1.02 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

- A. Subsurface and physical conditions:
 - 1. General Conditions identify:
 - a. Those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Bidding Documents.
 - b. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in above will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.02 of the General Conditions has been identified and established in paragraph 4.02. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions or information contained in such reports or shown or indicated in such drawings.
- B. Underground Facilities: Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
- C. Hazardous Environmental Condition:
 - 1. General Conditions identify those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in paragraph 4.03.A of the General Conditions will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.06 of the General Conditions has been identified and established in paragraph 4.06. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.
- D. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in paragraphs 4.02, 4.03, and 4.04 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work appear in paragraph 4.06 of the General Conditions.

- E. On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.
- F. Reference is made to Article 7 of the General Conditions for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work for which a Proposal is to be submitted. On request, Owner will provide to each Bidder for examination access to or copies of Construction Contract – Generating (other than portions thereof related to price) for such other work.
- G. It is the responsibility of each Bidder before submitting a Proposal to:
1. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
 2. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
 3. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
 4. Carefully study all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and carefully study all reports and drawings of a Hazardous Environmental Condition, if any, at the Site which have been identified as provided in paragraph 4.06 of the General Conditions;
 5. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
 6. Agree at the time of submitting its Proposal that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Proposal for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
 7. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
 8. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
 9. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
 10. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- H. The submission of a Proposal will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Proposal is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

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1.03 SITE AND OTHER AREAS

- A. The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents.

1.04 INTERPRETATIONS AND ADDENDA

- A. All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing.

Mr. Larry Shell
Stanley Consultants, Inc.
225 Iowa Avenue
Muscatine, IA 52761-3764
Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

- B. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents.
- C. Questions received less than 5 days prior to the date for opening of Proposals may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- D. Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner or Engineer.
- E. Owner will not consider requests for time extensions of the bidding period.

1.05 CONTRACT TIMES

- A. The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Construction Contract - Generating.

1.06 LIQUIDATED DAMAGES

- A. Provisions for liquidated damages, if any, are set forth in the Construction Contract - Generating.

1.07 SUBSTITUTE AND "OR-EQUAL" ITEMS

- A. The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Agreement. The procedure for submission of any such application by Contractor and consideration by Engineer is set forth in the General Conditions and may be supplemented in the General Requirements.

1.08 BASIS OF PROPOSAL; EVALUATION OF PROPOSALS

A. Lump Sum:

1. Bidders shall submit a Proposal on a lump sum basis for the Base Bid and shall include a separate price for each alternate described in the Bidding Documents as provided for in the Proposal form. The price for each alternate will be the amount added to or deleted from the Base Bid if Owner selects the alternate.
2. In the evaluation of Proposals, alternates will be applied in the same order as listed in the Proposal form. Owner may select or reject each alternate as best serves its interests, and may use prices bid for each selected alternate in determining Successful Bidder.

B. The bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in paragraph 11.02 of the General Conditions.

C. Include total cost for services of Erecting Superintendent(s) in Proposal. See Contract Documents for specific requirements.

1.09 SUBMITTAL OF PROPOSALS

A. Proposal form is included with the Bidding Documents.

B. Each prospective Bidder is furnished one copy of the Bidding Documents. Proposal Form is to be completed and submitted with Section 00434 – Bidder Data and Information.

C. One original copy of the Proposal signed in blue ink and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner at the following address:

East Kentucky Power Cooperative, Inc.
Attention: Mr. Craig Johnson
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707
Telephone: 859.744.4812
Fax: 859.744.6008
E-mail: craig.johnson@ekpc.coop

D. One duplicate copy of the Proposal and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner at the following address:

East Kentucky Power Cooperative, Inc.
Attention: Ms. Diana Pulliam
P. O. Box 398, Route 8 West
Maysville, KY 41056
Telephone: 606.883.3367
Fax: 606-883-3438
E-mail: diana.pulliam@ekpc.coop

E. Two duplicate copies of the Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Engineer at the following address:

Stanley Consultants, Inc.
Attention: Mr. Larry Shell
225 Iowa Avenue
Muscatine, IA 52761-3764
Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

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- F. The name and address of the Bidder and the date and hour of the opening of Proposals must appear on the envelope in which the Proposal is submitted. All blanks on Proposal form shall be completed by printing in black ink or by typewriter. No alterations or interlineations will be permitted, unless made before submission and initialed and dated.
- G. Proposal shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Proposal Form.
- H. Any lump sum Proposal Price shall be stated in words and figures; in case of conflict, words take precedence.
- I. Names shall be typed or printed in ink below the signatures. Address and telephone number for communications regarding the Proposal shall be shown.
- J. Facsimile copies of Proposals will not be accepted.

1.10 MODIFICATION AND WITHDRAWAL OF PROPOSAL

- A. Proposal may be modified or withdrawn by an appropriate document duly executed in the manner that a Proposal must be executed and delivered to the place where Proposals are to be submitted prior to the date and time for the opening of Proposals.
- B. If within 24 hours after Proposals are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Proposal security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

1.11 SALES AND USE TAXES

- A. Prices set forth in the Proposal shall not include any sums which are, or may be, payable by the Bidder or the Owner on account of any Kentucky Sales or Use Tax upon the sale, purchase, or use of material, supplies, or equipment incorporated in the Project.
- B. Owner will be fully responsible to the Department of Revenue for any Kentucky Sales or Use Tax that may be applied as a direct consequence of the Project, and the Bidder shall not pay this Tax when purchasing materials, supplies, or equipment for the Project.
- C. When applicable, the Owner will provide the Bidder with appropriate exemption forms for the purchase of such materials, supplies, or equipment, and the Bidder will cooperate with the Owner in supplying pertinent data and information to assist the Owner in taking maximum advantage of Kentucky Sales and Use Tax exemptions. The Bidder agrees to state separately the cost of labor and materials, supplies or equipment incorporated in the Proposal.
- D. Any sales or use tax payable as a consequence of a failure on the part of the Bidder to comply with these provisions will be paid by the Bidder as an additional expense of the Bidder, and any amounts paid will not be reimbursable by the Owner.

1.12 UNIT ADJUSTMENT PRICES

- A. Submit unit adjustment prices for items listed in Proposal Form and described in Contract Documents.
- B. Owner may accept or reject proposed unit adjustment prices without invalidating remainder of Proposal or any Agreement based thereon.

END OF SECTION

PROJECT AND CONTRACT IDENTIFICATION

This Proposal pertains to Contract F223 - Circulating Water Piping for the Spurlock Station Unit 4 Project, for East Kentucky Power Cooperative, Inc.

Article 1. BID RECIPIENT

1.1 This Proposal is submitted to: East Kentucky Power Cooperative, Inc.
Attn: Mr. Craig Johnson
P. O. Box 0707
4475 Lexington Road
Winchester, KY 40392-0707

1.2 The undersigned Bidder proposes and agrees, if this Proposal is accepted, to enter into an Contract with Owner in the form included in the Construction Contract - Generating to perform the Work as specified or indicated in the Construction Contract - Generating for the prices and within the times indicated in this Proposal and in accordance with the other terms and conditions of the Construction Contract - Generating.

Article 2. BIDDER'S ACKNOWLEDGMENTS

2.1 Bidder accepts all of the terms and conditions of the Notice and Instructions to Bidders, including without limitation those dealing with the disposition of bid security. The Proposal will remain subject to acceptance for 90 days after the Proposal opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

2.2 Bidder accepts the provisions of the Contract as to liquidated damages in the event of its failure to perform the Work in accordance with the schedule set forth in the Contract.

Article 3. BIDDER'S REPRESENTATIONS

3.1 In submitting this Proposal, Bidder represents, as set forth in the Contract, that:

3.1.1 Bidder has examined and carefully studied the Construction Contract - Generating, the other related data identified in the Construction Contract - Generating, and the following Addenda, receipt of all which is hereby acknowledged.

Addendum No.	Addendum Date
<u>1</u>	<u>4/04/05</u>
_____	_____
_____	_____

3.1.2 Bidder has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and

3.1.3 Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Construction Contract - Generating to be employed by Bidder, and safety precautions and programs incident thereto.

- 3.1.4 Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Construction Contract - Generating.
- 3.1.5 Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Construction Contract - Generating.
- 3.1.6 Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Construction Contract - Generating, and all additional examinations, investigations, explorations, tests, studies, and data with the Construction Contract - Generating.
- 3.1.7 Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Construction Contract - Generating, and the written resolution thereof by Engineer is acceptable to Bidder.
- 3.1.8 The Construction Contract - Generating is generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- 3.1.9 Bidder further represents that this Proposal is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

Article 4. BASIS OF BID

4.1 Bidder will perform the Work in accordance with the Construction Contract - Generating for the following price(s):

4.1.1 Lump Sum Base Bid Price:

(words)

_____ (\$ _____)

(figures)

Article 5. TIME OF COMPLETION

5.1 Bidder agrees that the performance of the Work will conform to the schedule set forth in Construction Contract - Generating.

Article 6. ATTACHMENTS TO THIS BID

6.1 The following documents are attached to and made a condition of this Bid:

- 6.1.1 List of proposed subcontractors and work to be performed by each.
- 6.1.2 Section 00434 -- Bidder Data and Information;
- 6.1.3 Contractor's requirements for plant services;
- 6.1.4 Preliminary list of materials of construction;

- 6.1.5 Manufacturer's circulating water pipe details for all sizes furnished including wall thickness (core and coating thickness), size and spacing of reinforcing steel or prestressing wire and list of installations of comparable pipe size;
- 6.1.6 Data Sheets bound at end of technical specification sections;
- 6.1.7 Exceptions and Clarifications: Attach a separate sealed envelope labeled "Exceptions and Clarifications" to outside of sealed Bid, containing listing on Bidder's letterhead of all exceptions and clarifications to Construction Contract - Generating, referencing page number and paragraph of Construction Contract - Generating involved. If there are no exceptions or clarifications, include statement to such effect in Proposal envelope. Excessive exceptions or clarifications may render Proposal unresponsive. Bidder agrees to all provisions contained in Construction Contract - Generating unless specifically listed as an exception or clarification. If Bidder submits drawings, printed forms, standard statements, or other revisions which conflict with Construction Contract - Generating, the Construction Contract - Generating will prevail.

END OF SECTION 00410

STANDARD GENERAL CONDITIONS FOR THE CONSTRUCTION CONTRACT 44

ARTICLE 1- DEFINITIONS AND TERMINOLOGY

1.01 Defined Terms

A. Wherever used in the Contract Documents and printed with initial or all capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof.

1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the Contract Documents.

2. *Application for Payment*—The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

3. *Asbestos*—Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

4. *Bidder*—The individual or entity who submits a Proposal directly to Owner.

5. *Bidding Documents*—The Bidding Requirements and the proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

6. *Bidding Requirements*—The Advertisement or Invitation to Bid, Instructions to Bidders, Bid security form, if any, and the Proposal form with any supplements.

7. *Bonds*—Performance and payment bonds and other instruments of security.

8. *Change Authorization Request (CAR)*—A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

9. *Claim*—A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

10. *Contract*—The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

11. *Contract Documents*—The Contract Documents establish the rights and obligations of the parties and include the Construction Contract - Generating, Addenda (which pertain to the Contract Documents), Contractor's Proposal (including documentation accompanying the Proposal and any post Proposal documentation submitted prior to the Notice of Award), the Notice to Proceed, the Bonds, these General Conditions, the Specifications and the Drawings as the same are more specifically identified in the Contract, together with all Written Amendments, Change Authorization Requests, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of the Contract. Approved Shop Drawings and the reports and drawings of subsurface and physical conditions are not Contract Documents. Only printed or hard copies of the items listed in this paragraph are Contract Documents. Files in electronic media format of text, data, graphics, and the like that may be furnished by Owner to Contractor are not Contract Documents.

12. *Contract Price*—The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Contract (subject to the provisions of paragraph 11.03 in the case of Unit Price Work).

13. *Contract Times*—The number of days or the dates stated in the Contract to: (i) achieve Substantial Completion; and (ii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

14. *Contractor*—The individual or entity with whom Owner has entered into the Agreement.

15. *Cost of the Work*—See paragraph 11.01A for definition.

16. *Drawings*—That part of the Contract Documents prepared or approved by Engineer, which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

17. *Effective Date of the Contract*—The date indicated in the Contract on which it becomes effective, but if no such date is indicated, it means the date on which the Contract is signed and delivered by the last of the two parties to sign and deliver.

18. *Engineer*—Stanley Consultants, Inc.

19. *Engineer's Consultant*—An individual or entity having a contract with Engineer to furnish services as Engineer's independent professional associate or consultant with respect to the Project and who is identified as such in the Supplementary Conditions.

20. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*—Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*—The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*—The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Instruction to Contractor*—Same as "Field Order."

25. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

26. *Liens*—Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

27. *Milestone*—A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

28. *Notice of Award*—The written notice by Owner to the apparent successful bidder stating that upon timely compliance by the apparent successful bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

29. *Notice to Proceed*—A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

30. *Owner*—The individual, entity, public body, or authority with whom Contractor has entered into the Contract and for whom the Work is to be performed.

31. *Partial Utilization*—Use by Owner of a substantially completed part of the Work for the purpose for which it is intended (or a related purpose) prior to Substantial Completion of all the Work.

32. *PCBs*—Polychlorinated biphenyls.

33. *Petroleum*—Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

34. *Project*—The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part as may be indicated elsewhere in the Contract Documents.

35. *Project Manual*—The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

36. *Proposal*—The offer or bid of a bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

37. *Radioactive Material*—Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

38. *Resident Project Representative*—The authorized representative of Engineer who may be assigned to the Site or any part thereof.

39. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

40. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

41. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

42. *Specifications*—That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the Work and certain administrative details applicable thereto.

43. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

44. *Supplier*—A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

45. *Underground Facilities*—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

46. *Unit Price Work*—Work to be paid for on the basis of unit prices.

47. *Work*—The entire completed construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

48. *Written Amendment*—A written statement modifying the Contract Documents, signed by Owner and Contractor on or after the Effective Date of the Contract and normally dealing with the nonengineering or nontechnical rather than strictly construction-related aspects of the Contract Documents.

1.02 Terminology

A. Intent of Certain Terms or Adjectives

1. Whenever in the Contract Documents the terms "as allowed," "as approved," or terms of like effect or import are used, or the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work, it is intended that such action or determination will be solely to evaluate, in general, the completed Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). These of any such term or adjective shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 9.10 or any other provision of the Contract Documents.

B. Day

1. The word "day" shall constitute a calendar day of 24 hours measured from midnight to the next midnight.

C. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it does not conform to the Contract Documents or does not meet the requirements of any inspection, reference standard, test, or approval referred to in the Contract Documents, or has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with paragraph 14.04 or 14.05).

D. Furnish, Install, Perform, Provide

1. The word "furnish," when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word "install," when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words "perform" or "provide," when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When "furnish," "install," "perform," or "provide" is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, "provide" is implied.

E. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 Delivery of Bonds

A. When Contractor delivers the executed Contracts to Owner, Contractor shall also deliver to Owner such Bonds as Contractor may be required to furnish.

2.02 Copies of Documents

A. Refer to Section 01300 regarding copies of Drawings and Project Manuals.

2.03 Starting the Work

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.04 Before Starting Construction

A. *Contractor's Review of Contract Documents:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby; however, Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. *Preliminary Schedules:* Within ten days after the Effective Date of the Contract (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for its timely review:

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

1. a preliminary progress schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary schedule of Shop Drawing and Sample submittals which will list each required submittal and the times for submitting, reviewing, and processing such submittal; and

3. a preliminary schedule of values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

C. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Construction Contract - Generating.

2.05 Preconstruction Conference

A. Within 20 days after the Contract Times start to run, but before any Work at the Site is started, a conference attended by Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in paragraph 2.04.B, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.06 Initial Acceptance of Schedules

A. Unless otherwise provided in the Contract Documents, at least ten days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with paragraph 2.04.B. Contractor shall have an additional ten days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The progress schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within any specified Milestones and the Contract Times. Such acceptance will not impose on Engineer responsibility for the progress schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's schedule of Shop Drawing and Sample submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's schedule of values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 Intent

A. The Contract Documents are complementary; what is called for by one is as binding as if called for by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

3.02 Reference Standards

A. *Standards, Specifications, Codes, Laws, and Regulations*

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents, nor shall any such provision or instruction be effective to assign to Owner, Engineer, or any of Engineer's Consultants, agents, or employees any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 Reporting and Resolving Discrepancies

A. *Reporting Discrepancies*

1. If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall report it to Engineer in writing at once. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in paragraph 3.04; provided, however, that Contractor shall not be liable to Owner or Engineer for failure to report any such conflict, error, ambiguity, or discrepancy unless Contractor knew or reasonably should have known thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 Amending and Supplementing Contract Documents

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof in one or more of the following ways: (i) a Written Amendment; or (ii) a Change Authorization Request.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways: (i) an Instruction to Contractor; or (ii) Engineer's written interpretation or clarification.

3.05 Reuse of Documents

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing any of the Work under a direct or indirect contract with Owner: (i) shall not have or acquire any title to or ownership rights in any of the Drawings, Specifications,

or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's Consultant, including electronic media editions; and (ii) shall not reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer. This prohibition will survive final payment, completion, and acceptance of the Work, or termination or completion of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; REFERENCE POINTS

4.01 Availability of Lands

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site, Contractor may make a Claim therefor as provided herein.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 Subsurface and Physical Conditions

A. In the preparation of Drawings and Specifications, Engineer or Engineer's Consultants relied upon the following reports of explorations and tests of subsurface conditions at the Site:

1. Report prepared by Fuller, Mossbarger, Scott & May Engineers, Inc., entitled: "Report of Geotechnical Exploration - Spurlock Station." The "technical data" contained in such report upon which Contractor may rely are contained in the boring logs, exclusive of groundwater evaluation data.

B. Copies of reports and drawings itemized above that are not included with Bidding Documents may be examined at East Kentucky Power Cooperative, Inc., Attention: Mr. Craig Johnson, 4775 Lexington Road, Winchester, KY 40392-0707; or at Stanley Consultants, Inc., Attention: Mr. Larry Shell, 225 Iowa Avenue, Muscatine, IA 52761-3764 during regular business hours. These reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Contractor may rely as identified and established above are incorporated therein by reference. Contractor is not entitled to rely upon other information and data utilized by Engineer and Engineer's Consultants in the preparation of Drawings and Specifications.

D. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any Claim against Owner, Engineer, or any of Engineer's Consultants with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 Differing Subsurface or Physical Conditions

A. Notice: If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by paragraph 6.16 A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of paragraphs 9.08 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner in respect of Contract Price and Contract Times by the submission of a Proposal or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice within the time and as required by paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided herein. However, Owner, Engineer, and Engineer's Consultants shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated*: The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and
2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - a. reviewing and checking all such information and data,
 - b. locating all Underground Facilities shown or indicated in the Contract Documents,
 - c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and
 - d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, an Instruction to Contractor or a Change Authorization Request will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided herein.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction, which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings*: Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized*: Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any Claim against Owner, Engineer or any of Engineer's Consultants with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or
2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or
3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site, which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by paragraph 6.16); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided herein.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided herein. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and the officers, directors, partners, employees, agents, other consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated

in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this paragraph 4.06.E shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, and the officers, directors, partners, employees, agents, other consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this paragraph 4.06.F shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of paragraphs 4.02, 4.03, and 4.04 are not intended to apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - INSURANCE

5.01 Licensed Insurers

A. All insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue insurance policies for the limits and coverages so required.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 Supervision and Superintendence

A. Refer to Article II, Section 4, of the Construction Contract - Generating.

6.02 Labor, Working Hours

A. Contractor shall provide competent, suitably qualified personnel to survey, lay out, and construct the Work as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours, and Contractor will not permit overtime work or the performance of Work on Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 Services, Materials, and Equipment

A. Unless otherwise specified in the General Requirements, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All warranties and guarantees specifically called for by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the

applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 Progress Schedule

A. Contractor shall adhere to the progress schedule established as may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance proposed adjustments in the progress schedule that will not result in changing the Contract Times (or Milestones). Such adjustments will conform generally to the progress schedule then in effect and additionally will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the progress schedule that will change the Contract Times (or Milestones) shall be submitted in accordance with the requirements of Article 12. Such adjustments may only be made by a Change Authorization Request or Written Amendment.

6.05 Substitutes and "Or-Equals"

A. "Or-Equal" Items: If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this paragraph, a proposed item of material or equipment will be considered functionally equal to an item so named if:

1. in the exercise of reasonable judgment Engineer determines that: (i) it is at least equal in quality, durability, appearance, strength, and design characteristics; (ii) it will reliably perform at least equally well the function imposed by the design concept of the completed Project as a functioning whole, and,

2. Contractor certifies that: (i) there is no increase in cost to the Owner; and (ii) it will conform substantially, even with deviations, to the detailed requirements of the item named in the Contract Documents.

B. Substitute Items:

1. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under above paragraph, it will be considered a proposed substitute item.

2. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

3. The procedure for review by Engineer will be as set forth herein, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

4. Contractor shall first make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application shall certify that the proposed substitute item will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified, and be suited to the same use as that specified. The application will state the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time, whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for work on the Project) to adapt the design to the proposed substitute item and whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute item from that specified will be identified in the application, and available engineering, sales, maintenance, repair, and replacement

services will be indicated. The application will also contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change, all of which will be considered by Engineer in evaluating the proposed substitute item. Engineer may require Contractor to furnish additional data about the proposed substitute item.

C. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is shown or indicated in and expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The procedure for review by Engineer will be similar to that provided herein.

D. *Engineer's Evaluation:* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made as specified herein. Engineer will be the sole judge of acceptability. No "or-equal" or substitute will be ordered, installed or utilized without Engineer's prior written acceptance, which will be evidenced by a Change Authorization Request. Engineer will advise Contractor in writing of any negative determination.

E. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

F. *Engineer's Cost Reimbursement:* Engineer will record time required by Engineer and Engineer's Consultants in evaluating substitute proposed or submitted by Contractor pursuant to paragraphs herein and in making changes in the Contract Documents (or in the provisions of any other direct contract with Owner for work on the Project) occasioned thereby. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer and Engineer's Consultants for evaluating each such proposed substitute.

G. *Contractor's Expense:* Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 Concerning Subcontractors, Suppliers, and Others

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Contract Document require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Contract, and if Contractor has submitted a list thereof in accordance with the Contract Documents, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Authorization Request will be issued or Written Amendment signed. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor shall it create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and all other individuals or entities identified in the Construction Contract - Generating to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 Patent Fees and Royalties

A. Refer to Article VI, Section 3 of the Construction Contract - Generating.

6.08 Permits

A. Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Contract. Contractor shall pay all charges of utility owners for connections to the Work, and Owner shall pay all charges of such utility owners for capital costs related thereto, such as plant investment fees. A state boiler permit is required for pressure part welding on any ASME or ANSI B31.1 system.

6.09 Laws and Regulations

A. Contractor shall give all notices and comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear

all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work; however, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Contract if there were no Bids) having an effect on the cost or time of performance of the Work may be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefore as provide herein.

D. Refer to Article VI, Section 5 of the Construction Contract – Generating.

6.10 Taxes

A. Refer to Section 00210 – Supplementary Instructions to Bidders.

6.11 Use of Site and Other Areas

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, Engineer, Engineer's Consultant, and the officers, directors, partners, employees, agents, and other consultants of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. *Removal of Debris During Performance of the Work:* Refer to Article IV, Section 1 of the Construction Contract – Generating.

C. *Cleaning:* Refer to Article IV, Section 1 of the Construction Contract – Generating.

D. *Loading Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Written Amendments, Change Authorization Requests, Instructions to Contractor, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work,

these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 Safety and Protection

A. Refer to Article IV, Section 1 of the Construction Contract – Generating.

B. Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connections with the Work. The Owner, Engineer, and Engineer's consultant will not have such responsibility. No action under taken by the Owner or Engineer under paragraphs 15.01 or 15.02, or Article 9 will constitute a transfer of this responsibility or acceptance of this responsibility by the Owner, Engineer, or Engineer's consultant.

6.14 Safety Representative

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 Hazard Communication Programs

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 Emergencies

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, an Instruction to Contractor or Change Authorization Request will be issued.

6.17 Shop Drawings and Samples

A. Contractor shall submit Shop Drawings to Engineer for review in accordance with the acceptable schedule of Shop Drawings and Sample submittals. All submittals will be identified as Engineer may require and in the number of copies specified in the General Requirements. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by paragraph 6.17.E.

B. Contractor shall also submit Samples to Engineer for review in accordance with the acceptable schedule of Shop Drawings and Sample submittals. Each Sample will be identified clearly as to material, Supplier, pertinent data such as catalog numbers, and the use for which intended and otherwise as Engineer may require to enable Engineer to review the submittal for the limited purposes required by paragraph 6.17.E. The numbers of each Sample to be submitted will be as specified in the Specifications.

C. Where a Shop Drawing or Sample is required by the Contract Documents or the schedule of Shop Drawings and Sample submittals acceptable to Engineer, any related Work performed prior to Engineer's review of the pertinent submittal will be at the sole expense and responsibility of Contractor.

D. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

- a. all field measurements, quantities, dimensions, specified performance criteria, installation requirements,

materials, catalog numbers, and similar information with respect thereto;

b. all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to means, methods, techniques, sequences, and procedures of construction and safety precautions and programs incident thereto; and

d. Contractor shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written indication that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.

3. If Contractor wishes to propose a variation from the requirements of the Contract Documents and a drawing or sample will be used to help describe the variation, the drawing or sample shall not be submitted as a Shop Drawing or sample, but rather will have specific notations regarding the variation and shall be transmitted to the Engineer with a letter describing all aspects of the variation, including any effect the variation will have on work of separate contractors, if any, and its effect, if any, on the Contract Price or Contract Time. If Engineer determines that the variation will be acceptable, the variation will be authorized by a Change Authorization Request executed by the Owner and Contractor.

E. Engineer's Review

1. Engineer will timely review Shop Drawings and Samples in accordance with the schedule of Shop Drawings and Sample submittals acceptable to Engineer. Engineer's review will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review of Shop Drawings or Samples shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents; nor will any review by Engineer relieve Contractor from responsibility for errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.17.D.1.

F. *Resubmittal Procedures*: Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit as required new Samples for review. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner, Engineer, and Engineer's Consultants that all Work will be in accordance with the Contract Documents and will not be defective. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors,

Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

B. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;
2. recommendation by Engineer or payment by Owner of any progress or final payment;
3. the issuance of a Certificate of Completion or any payment related thereto by Owner;
4. use or occupancy of the Work or any part thereof by Owner;
5. any acceptance by Owner or any failure to do so;
6. any review of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;
7. any inspection, test, or approval by others; or
8. any correction of defective Work by Owner.

6.20 Indemnification Refer to Article IV, Section 1, Construction Contract - Generating.

ARTICLE 7 - OTHER WORK

7.01 Related Work at Site

A. Owner may perform other work related to the Project at the Site by Owner's employees, or let other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and
2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefore as provided herein.

B. Contractor shall afford each other contractor who is a party to such a direct contract and each utility owner (and Owner, if Owner is performing the other work with Owner's employees) proper and safe access to the Site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work and shall properly coordinate the Work with theirs. Unless otherwise provided in the Contract Documents, Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 Coordination

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
2. the specific matters to be covered by such authority and responsibility will be itemized; and
3. the extent of such authority and responsibilities will be provided.

B. Owner shall have sole authority and responsibility for such coordination.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 Replacement of Engineer

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 Furnish Data

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 Pay Promptly When Due

A. Owner shall make payments to Contractor promptly when they are due.

8.05 Lands and Easements; Reports and Tests

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 Insurance

A. Owner's responsibilities, if any, in respect of purchasing and maintaining liability and property insurance are set forth in the Construction Contract - Generating.

8.07 Change Authorization Requests

A. Owner is obligated to execute Change Authorization Requests as indicated in paragraph 10.03.

8.08 Inspections, Tests, and Approvals

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in paragraph 13.03.B.

8.09 Limitations on Owner's Responsibilities

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 Undisclosed Hazardous Environmental Condition

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in paragraph 4.06.

8.11 Evidence of Financial Arrangements

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 Owner's Representative

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 Visits to Site

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in paragraph 9.10, and particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 Project Representative

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The responsibilities and authority and limitations thereon of any such Resident Project Representative and assistants will be as provided in paragraph 9.10 and in the Supplementary Conditions. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's Consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Contract Documents.

9.04 Clarifications and Interpretations

A. Engineer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as Engineer may determine necessary, which shall be consistent with the intent of and reasonably inferable from the Contract Documents. Such written clarifications and interpretations will be binding on Owner and Contractor. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a written clarification or interpretation, a Claim may be made therefor as provided herein.

9.05 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by an Instruction to Contractor and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of an Instruction to Contractor, a Claim may be made therefor as provided herein.

9.06 *Rejecting Defective Work*

A. Engineer will have authority to disapprove or reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.07 *Shop Drawings, Change Authorization Requests and Payments*

A. In connection with Engineer's authority as to Shop Drawings and Samples, see paragraph 6.17.

B. In connection with Engineer's authority as to Change Authorization Requests, see Articles 10, 11, and 12.

C. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.08 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of paragraph 10.05.

9.09 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. Claims, disputes and other matters relating to the acceptability of the Work, the quantities and classifications of Unit Price Work, the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, and Claims seeking changes in the Contract Price or Contract Times will be referred initially to Engineer in writing, in accordance with the provisions of paragraph 10.05, with a request for a formal decision.

B. When functioning as interpreter and judge under this paragraph 9.09, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity. The rendering of a decision by Engineer pursuant to this paragraph 9.09 with respect to any such Claim, dispute, or other matter (except any which have been waived by the making or acceptance of final payment as provided in paragraph 14.07) will be a condition precedent to any exercise by Owner or Contractor of such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any such Claim, dispute, or other matter.

9.10 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with, the Contract Documents.

E. The limitations upon authority and responsibility set forth in this paragraph 9.10 shall also apply to Engineer's Consultants, Resident Project Representative, and assistants.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Written Amendment, a Change Authorization Request, or an Instruction to Contractor. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved, which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of an Instruction to Contractor, a Claim may be made therefor as provided herein.

10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in paragraph 3.04, except in the case of an emergency as provided in paragraph 6.16 or in the case of uncovering Work as provided in paragraph 13.04.B.

10.03 *Execution of Change Authorization Requests*

A. Owner and Contractor shall execute appropriate Change Authorization Requests recommended by Engineer (or Written Amendments) covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to paragraph 10.01.A, (ii) required because of acceptance of defective Work under paragraph 13.08.A or Owner's correction of defective Work under paragraph 13.09, or (iii) agreed to by the parties;
2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or

amount of time for Work actually performed in accordance with an Instruction to Contractor; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to paragraph 10.05; provided that, in lieu of executing any such Change Authorization Request, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the progress schedule as provided in paragraph 6.18.A.

10.04 Notification to Surety

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any Bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable Bond will be adjusted to reflect the effect of any such change.

10.05 Claims and Disputes

A. Notice: Written notice stating the general nature of each Claim, dispute, or other matter shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. Notice of the amount or extent of the Claim, dispute, or other matter with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim, dispute, or other matter). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

B. *Engineer's Decision:* Engineer will render a formal decision in writing within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any. Engineer's written decision on such Claim, dispute, or other matter will be final and binding upon Owner and Contractor unless:

1. an appeal from Engineer's decision is taken within the time limits and in accordance with the dispute resolution procedures set forth in Article 16; or
2. if no such dispute resolution procedures have been set forth in Article 16, a written notice of intention to appeal from Engineer's written decision is delivered by Owner or Contractor to the other and to Engineer within 30 days after the date of such decision, and a formal proceeding is instituted by the appealing party in a forum of competent jurisdiction within 60 days after the date of such decision or within 60 days after Substantial Completion, whichever is later (unless otherwise agreed in writing by Owner and Contractor), to exercise such rights or remedies as the appealing party may have with respect to such Claim, dispute, or other matter in accordance with applicable Laws and Regulations.

C. If Engineer does not render a formal decision in writing within the time stated in paragraph 10.05.B, a decision denying the Claim in its entirety shall be deemed to have been issued 31 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any.

D. No Claim for an adjustment in Contract Price or Contract Times (or Milestones) will be valid if not submitted in accordance with his paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; CASH ALLOWANCES; UNIT PRICE WORK

11.01 Cost of the Work

A. *Costs Included:* The term Cost of the Work means the sum of all costs necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Authorization Request or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project. Refer to Article II, Section 1, of the Construction Contract - Generating.

B. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to paragraph 11.01.A, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Cash Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums as may be acceptable to Owner and Engineer. Contractor agrees that:

1. the allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
2. Contractor's costs for unloading and handling on the Site, labor, installation costs, overhead, profit, and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

B. Prior to final payment, an appropriate Change Authorization Request will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of paragraph 9.08.

B. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

C. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
2. there is no corresponding adjustment with respect any other item of Work; and
3. if Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 Change of Contract Price

A. The Contract Price may only be changed by a Change Authorization Request or by a Written Amendment. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of paragraph 10.05.

B. The value of any Work covered by a Change Authorization Request or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of paragraph 11.03); or
2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum; or
3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under paragraph 12.01 B.2, on the basis of the Cost of the Work (determined as provided in paragraph 11.01).

12.02 Change of Contract Times

A. The Contract Times (or Milestones) may only be changed by a Change Authorization Request or by a Written Amendment. Any Claim for an adjustment in the Contract Times (or Milestones) shall be based on written notice submitted by the party making the claim to the Engineer and the other party to the Contract in accordance with the provisions of paragraph 10.05.

B. Any adjustment of the Contract Times (or Milestones) covered by a Change Authorization Request or of any Claim for an adjustment in the Contract Times (or Milestones) will be determined in accordance with the provisions of this Article 12.

12.03 Delays Beyond Contractor's Control

A. Where Contractor is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of Contractor, the Contract Times (or Milestones) will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

12.04 Delays Within Contractor's Control

A. The Contract Times (or Milestones) will not be extended due to delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

12.05 Delays Beyond Owner's and Contractor's Control

A. Where Contractor is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of both Owner and Contractor, an extension of the Contract Times (or Milestones) in an amount equal to the time lost due to such delay shall be Contractor's sole and exclusive remedy for such delay.

12.06 Delay Damages

A. In no event shall Owner or Engineer be liable to Contractor, any Subcontractor, any Supplier, or any other person or organization, or to any surety for or employee or agent of any of them, for damages arising out of or resulting from:

1. delays caused by or within the control of Contractor; or
2. delays beyond the control of both Owner and Contractor including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by utility owners or other contractors performing other work as contemplated by Article 7.

B. Nothing in this paragraph 12.06 bars a change in Contract Price pursuant to this Article 12 to compensate Contractor due to delay, interference, or disruption directly attributable to actions or inactions of Owner or anyone for whom Owner is responsible.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 Notice of Defects

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 Access to Work

A. Owner, Engineer, Engineer's Consultants, other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 Tests and Inspections

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Contractor shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 Uncovering Work

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment. If it is found that such Work is defective, Contractor shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in paragraph 10.05. If, however, such Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times (or Milestones), or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided herein.

13.05 Owner May Stop the Work

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 Correction or Removal of Defective Work

A. Refer to Article II, Section 5 of the Construction Contract – Generating.

13.07 Correction Period

A. Refer to Article II, Section 5 of the Construction Contract – Generating.

B. In special circumstances where a particular item of equipment is placed in continuous service before Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications or by Written Amendment.

C. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

D. Contractor's obligations under this paragraph are in addition to any other obligation or warranty. The provisions of this paragraph shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 Acceptance of Defective Work

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's valuation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by

Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Authorization Request will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided herein. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 Owner May Correct Defective Work

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct and remedy any such deficiency.

B. In exercising the rights and remedies under this paragraph, Owner shall proceed expeditiously. In connection with such corrective and remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's Consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.

C. All Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this paragraph 13.09 will be charged against Contractor, and a Change Authorization Request will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided herein. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times (or Milestones) because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 Schedule of Values

A. The schedule of values established as provided in paragraph 2.07.A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 Progress Payments

A. Refer to Article III, Section 1 of the Construction Contract – Generating.

14.03 Contractor's Warranty of Title

A. Refer to Article IV, Section 3 of the Construction Contract – Generating.

14.04 *Substantial Completion*

A. Refer to Article III, Section 1 of the Construction Contract – Generating.

14.05 *Partial Utilization*

A. Refer to Article IV, Section 3 of the Construction Contract – Generating.

14.06 *Final Inspection*

A. Refer to Article II, Section 4 of the Construction Contract – Generating.

14.07 *Final Payment*

A. Refer to Article III, Section 1 of the Construction Contract – Generating.

B. *Retainage Escrow Account.* If the Contract is in the amount of \$500,000 or more involving the improvement of real estate, a 10 percent retainage from each payment will be deposited in a separate escrow account with a bank or trust company authorized to do business in Kentucky.

1. Such escrow account will be administered by an escrow agent who will invest all of the escrowed principal in obligations at its sole discretion. Costs incurred by the escrow agent will be deducted from the escrow account.

2. Upon issuance of the receipt for final payment, signed by the engineer and approved in writing by the Owner and the Administrator, if necessary, the Contractor shall be entitled to all funds accumulated in the escrow account, together with any interest thereon, minus costs incurred by the escrow agent.

3. Establishment and administration of the retainage escrow account will be in accordance with the provisions of Kentucky Revised Statutes, KRS 371.160.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment and recommendation of Engineer, and without terminating the Agreement, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. Refer to Article III, Section 2 of the Construction Contract – Generating.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be allowed an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided herein.

15.02 *Owner May Terminate for Cause*

A. Refer to Article V, Section 1 of the Construction Contract – Generating.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, elect to terminate the Contract. In such case, Contractor shall be paid (without duplication of any items):

1. for completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. for expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. for all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. for reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or Engineer fails to act on any Application for Payment within 30 days after it is submitted, or Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in paragraph 15.03. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph 15.04 are not intended to preclude Contractor from making a Claim for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

A. Owner and Contractor may exercise such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any dispute.

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by

the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

A. Refer to Article V, Section 3 of the Construction Contract – Generating

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Agreement.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Liquidated Damages – See Article V, Section 2 of the Construction Contract – Generating*

17.07 *Certification Regarding Debarment and Suspension*

A. Certification regarding debarment, suspension, ineligibility and voluntary exclusion is required on all services greater than \$25,000. Forms are attached for this certification.

17.08 *Lobbying Certification*

A. Certification regarding lobbying is required. Forms are attached for this certification.

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS**

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in the covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transactions with a person who is proposed for debarment under 48 CFR part 9, subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR part 9, subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

1.06 WORK SEQUENCE

- A. Construct Work to accommodate Owner's project schedule; coordinate construction schedule and operations with Owner.
- B. Construction schedule:
 - 1. Contractor mobilization: August 8, 2005.
 - 2. Start installation in turbine area: August 15, 2005.
 - 3. Installation complete in turbine area: September 9, 2005.
 - 4. Start installation in yard: September 19, 2005.
 - 5. Start installation of pipe located within 60' of cooling tower basin: November 15, 2005.
 - 6. Complete installation to export steam line: December 1, 2005.
 - 7. Installation complete in yard and at cooling tower basin: April 4, 2006.
 - 8. Plant startup: April 2008.
- C. Coordinate installation of Unit 3 manholes with Owner after award of Contract.

1.07 CONTRACTOR USE OF PREMISES

- A. Limit Contractor's use of premises for Work and for storage, to allow for:
 - 1. Work by other contractors.
 - 2. Owner occupancy.
- B. Coordinate use of premises under direction of Owner. Contractor shall confine construction equipment, storage of materials and equipment and operations of workers to areas permitted by law, ordinances, permits, or requirements of Contract Documents, and shall not unreasonably encumber premises with construction equipment or other material or equipment.
- C. Assume full responsibility for protection and safekeeping of items under this Agreement, stored on Site.
- D. Move any stored items, under Contractor's control, which interfere with operations of Owner or separate contractor.
- E. Obtain and pay for use of, or construct, additional storage or Work areas needed for operations.

1.08 OWNER OCCUPANCY

- A. Owner will occupy premises during entire period of construction for conduct of its normal operations. Cooperate with Owner's Representative in all construction operations to minimize conflict, and to facilitate Owner usage.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 20
PAGE 62

1.01 SECTION INCLUDES

- A. Schedule of values
- B. Applications for payment.
- C. Change procedures.
- D. Defect assessment.

1.02 SCHEDULE OF VALUES

- A. Submit Schedule of Values in duplicate within 15 days of request. Schedule shall contain detailed breakdown of the bid price and a detailed construction schedule. Breakdown shall contain an itemized list of all components of the Project, complete with quantities, unit prices and total costs, the sum of which shall equal the bid price. This schedule, upon approval, shall constitute the basis on which partial payments will be made.
- B. Format: Identify each line item with number and title of the major specification Section. Identify site mobilization, bonds and insurance.
- C. Include separately from each line item, a direct proportional amount of Contractor's overhead and profit.
- D. Revise schedule to list approved Change Orders with each Application For Payment.

1.03 APPLICATIONS FOR PAYMENT

- A. Submit in accordance with the Construction Contract – Generating.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- C. Submit an updated construction schedule with each Application for Payment.
- D. Payment Period: Submit at intervals stipulated in the Contract.
- E. Submit with transmittal letter.
- F. Submit appropriate waivers.
- G. Substantiating Data: When Owner requires substantiating information, submit data justifying dollar amounts in question. Include the following with the application:
 - 1. Current construction photographs.
 - 2. Partial release of liens from major subcontractors and vendors.
 - 3. Record documents as specified in Section 01700, for review by Owner which will be returned to Contractor.
 - 4. Affidavits attesting to off-site stored products.
 - 5. Construction progress schedules, revised and current as specified in Section 01320.

1.04 CHANGE PROCEDURES

- A. Submittals: Submit name of the individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.

- B. Owner will advise of minor changes in the Work not involving an adjustment to Contract Price or Contract Time by issuing supplemental instructions.
- C. Owner may issue a Proposal Request which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change with a stipulation of any overtime work required and the period of time during which the requested price will be considered valid. Contractor will prepare and submit an estimate within 7 days.
- D. Contractor may propose changes by submitting a request for change to Owner, describing the proposed change and its full effect on the Work. Include a statement describing the reason for the change, and the effect on the Contract Price and Contract Time with full documentation and a statement describing the effect on Work by separate or other contractors. Document any requested substitutions in accordance with Section 01600.
- E. Stipulated Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for a Change Order as approved by Owner.
- F. Time and Material Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract. Owner will determine the change allowable in Contract Price and Contract Time as provided in the Contract Documents.
- G. Maintain detailed records of work done on Time and Material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.
- H. Document each quotation for a change in cost or time with sufficient data to allow evaluation of the quotation.
- I. Execution of Change Orders: Owner will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.
- J. Correlation Of Contractor Submittals:
 - 1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Price.
 - 2. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
 - 3. Promptly enter changes in Project Record Documents.

1.05 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of Owner, it is not practical to remove and replace the Work, Owner will direct an appropriate remedy or adjust payment.
- C. Authority of Owner to assess defect and identify payment adjustment, is final.
- D. Nonpayment For rejected products: Payment will not be made for rejected products for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from the transporting vehicle.
 - 4. Products placed beyond the lines and levels of the required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected products.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

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PAGE64

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 20
PAGE 65

1.01 SECTION INCLUDES

- A. Coordination and project conditions.
- B. Copies of Drawings and Project Manuals
- C. Project site administration.
- D. Field engineering.
- E. Preconstruction meeting.
- F. Site mobilization meeting.
- G. Progress meetings.

1.02 COORDINATION AND PROJECT CONDITIONS

- A. Coordinate scheduling, submittals, and Work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements.
- B. Verify utility requirements and characteristics of operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements, supports, and installation of mechanical and electrical Work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable, place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- E. Coordinate completion and clean-up of Work of separate sections in preparation for completion.
- F. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.03 COPIES OF DRAWINGS AND PROJECT MANUALS

- A. After Notice of Award, Contractor may obtain, at no charge, maximum of 5 complete sets of Drawings, as listed in project manuals, and 5 sets of project manuals.
- B. Additional copies of project manuals and Drawings may be obtained under following conditions:
 - 1. Project manuals:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional project manuals necessitates reprinting of project manuals, Contractor shall pay entire cost of such reprinting.
 - c. Partial sets of project manuals will not be provided.
 - 2. Drawings:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional Drawings necessitates reprinting of Drawings, Contractor shall pay entire cost of such reprinting.

- c. Complete sets of half-size Drawings may be purchased from Engineer at Engineer's reproduction cost plus handling charge per set.
- C. Revised Drawings and project manuals, if required, will be provided by Engineer to show authorized changes or extra Work under following conditions.
 - 1. Project manuals: Furnished at no charge, in same quantity as original issuance
 - 2. Half-size Drawings:
 - a. Half-size Drawings will be available as revised Drawings.
 - b. One revised, complete set of half-size Drawings will be issued, at no charge, for each half-size set originally issued and for each half-size set purchased by Contractor after Notice of Award.
 - 3. Full-size Drawings:
 - a. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set and each reproducible set originally issued.
 - b. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set originally issued, and for each full-size set purchased by Contractor after Notice of Award, up to 4 copies maximum.
 - 4. One full-size reproducible set will be issued to accommodate fifth and subsequent sets purchased by Contractor. Contractor shall use reproducible set to complete printing for additional Drawings in its possession.

1.04 PROJECT SITE ADMINISTRATION

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out Work and perform construction as required by Contract Documents. Contractor shall at all times maintain good discipline and order at site.
- B. Contractor shall notify Owner in writing prior to performance of overtime work, or work on Saturday, Sunday, or any legal holiday.
- C. Incompetent or incorrigible employees shall be dismissed from Work by Contractor or its representative when requested by Owner, and such persons shall not again be permitted to return to Work without written consent of Owner.
- D. Workmanship shall be of best quality.
- E. Work site safety shall be very high priority.
- F. Contractor personnel shall undergo safety training as required in the event of an ammonia release.
- G. No construction personnel are allowed outside their work area or areas where construction facilities are located.
- H. Implement and follow "MOST" Drug and Alcohol Screening Policies and Procedures as revised March 12, 2002 for all Contractor's Site personnel.

1.05 FIELD ENGINEERING

- A. Contractor shall locate and protect survey control and reference points. Promptly notify Owner of any discrepancies discovered.
- B. Control datum for survey is that established by Owner provided survey.
- C. Verify set-backs and easements; confirm drawing dimensions and elevations.
- D. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.

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PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

PSC Request 1a.
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END OF SECTION

PART 1 GENERAL

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PAGE 68

1.01 SECTION INCLUDES

- A. Coordination and project conditions.
- B. Copies of Drawings and Project Manuals
- C. Project site administration.
- D. Field engineering.
- E. Preconstruction meeting.
- F. Site mobilization meeting
- G. Progress meetings.

1.02 COORDINATION AND PROJECT CONDITIONS

- A. Coordinate scheduling, submittals, and Work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements.
- B. Verify utility requirements and characteristics of operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements, supports, and installation of mechanical and electrical Work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- E. Coordinate completion and clean-up of Work of separate sections in preparation for completion.
- F. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

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- A. After Notice of Award, Contractor may obtain, at no charge, maximum of 5 complete sets of Drawings, as listed in project manuals, and 5 sets of project manuals.
- B. Additional copies of project manuals and Drawings may be obtained under following conditions:
 - 1. Project manuals:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional project manuals necessitates reprinting of project manuals, Contractor shall pay entire cost of such reprinting.
 - c. Partial sets of project manuals will not be provided.
 - 2. Drawings:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional Drawings necessitates reprinting of Drawings, Contractor shall pay entire cost of such reprinting.

- c. Complete sets of half-size Drawings may be purchased from Engineer at Engineer's reproduction cost plus handling charge per set
- C. Revised Drawings and project manuals, if required, will be provided by Engineer to show authorized changes or extra Work under following conditions.
1. Project manuals: Furnished at no charge, in same quantity as original issuance.
 2. Half-size Drawings:
 - a. Half-size Drawings will be available as revised Drawings.
 - b. One revised, complete set of half-size Drawings will be issued, at no charge, for each half-size set originally issued and for each half-size set purchased by Contractor after Notice of Award.
 3. Full-size Drawings:
 - a. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set and each reproducible set originally issued.
 - b. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set originally issued, and for each full-size set purchased by Contractor after Notice of Award, up to 4 copies maximum.
 4. One full-size reproducible set will be issued to accommodate fifth and subsequent sets purchased by Contractor. Contractor shall use reproducible set to complete printing for additional Drawings in its possession.

1.04 PROJECT SITE ADMINISTRATION

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out Work and perform construction as required by Contract Documents. Contractor shall at all times maintain good discipline and order at site.
- B. Contractor shall notify Owner in writing prior to performance of overtime work, or work on Saturday, Sunday, or any legal holiday.
- C. Incompetent or incorrigible employees shall be dismissed from Work by Contractor or its representative when requested by Owner, and such persons shall not again be permitted to return to Work without written consent of Owner.
- D. Workmanship shall be of best quality.
- E. Work site safety shall be very high priority.
- F. Contractor personnel shall undergo safety training as required in the event of an ammonia release.
- G. No construction personnel are allowed outside their work area or areas where construction facilities are located.
- H. Implement and follow "MOST" Drug and Alcohol Screening Policies and Procedures as revised March 12, 2002 for all Contractor's Site personnel.

1.05 FIELD ENGINEERING

- A. Contractor shall locate and protect survey control and reference points. Promptly notify Owner of any discrepancies discovered.
- B. Control datum for survey is that established by Owner provided survey.
- C. Verify set-backs and easements; confirm drawing dimensions and elevations.
- D. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.

- E. Submit a copy of site drawing and certificate signed by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.
- F. Maintain a complete and accurate log of control and survey work as it progresses.

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1.06 PRECONSTRUCTION MEETING

- A. Owner will schedule a meeting after Notice of Award.
- B. Attendance Required: Owner, Engineer, Contractor, and Contractor's Superintendent.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of products, schedule of values, and progress schedule.
 - 5. Designation of personnel representing the parties in Contract and the Engineer.
 - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
 - 7. Scheduling.
- D. Owner will record minutes and distribute copies within 2 days after meeting to participants and those affected by decisions made.

1.07 SITE MOBILIZATION MEETING

- A. Owner will schedule a meeting at the Project site prior to Contractor mobilization.
- B. Attendance Required: Owner, Engineer, Special Consultants, Contractor, Contractor's Superintendent, and major Subcontractors.
- C. Agenda:
 - 1. Use of premises by Owner and Contractor.
 - 2. Owner's requirements and occupancy.
 - 3. Construction facilities and controls provided by Owner.
 - 4. Temporary utilities provided by Owner.
 - 5. Survey and building layout.
 - 6. Security and housekeeping procedures.
 - 7. Schedules.
 - 8. Application for payment procedures.
 - 9. Procedures for testing.
 - 10. Procedures for maintaining record documents.
 - 11. Requirements for start-up of equipment.
 - 12. Inspection and acceptance of equipment put into service during construction period.
- D. Owner will record minutes and distribute copies within 2 days after meeting to participants and those affected by decisions made.

1.08 PROGRESS MEETINGS

- A. Schedule and administer meetings throughout progress of the Work at maximum weekly intervals.
- B. Owner will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- C. Attendance Required: Job superintendent, major subcontractors and suppliers, Owner, Engineer, as appropriate to agenda topics for each meeting.

D. Agenda:

1. Review minutes of previous meetings.
2. Review of Work progress.
3. Field observations, problems, and decisions.
4. Identification of problems which impede planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to Work.

- E. Owner will record minutes and distribute copies within 2 days after meeting to participants and those affected by decisions made.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 20
PAGE 72

1.01 SECTION INCLUDES

- A. Form of schedules.
- B. Content of schedules.
- C. Progress revisions.
- D. Submissions.

1.02 FORM OF SCHEDULES

- A. Prepare schedules in form of horizontal bar chart.
 - 1. Provide separate horizontal bar for each operation.
 - 2. Horizontal time scale: Identify first work day of each week.
 - 3. Scale and spacing: To allow space for notations and future revisions.
- B. Format of listings: Chronological order of start of each item of Work.

1.03 CONTENT OF SCHEDULES

- A. Progress schedule show:
 - 1. Complete sequence of work by activity.
 - 2. Dates for beginning, and completion of, each major element of design, procurement, and fabrication.
 - 3. Projected percentage of completion for each item, as of first day of each month.
- B. Submittal Schedule for Shop Drawings, manuals, and Samples shall show dates for Contractor's submittals.

1.04 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide narrative report as needed to define:
 - 1. Statement summarizing the status and condition of the work.
 - 2. Status of major material procurement.
 - a. Description of work.
 - b. Date order is to be placed or the date order was placed.
 - c. Subcontractor's name.
 - 3. Problem areas, anticipated delays, and impact on schedule.
 - 4. Corrective action recommended, and its effect.
- D. Progress photographs of specific parts of stages of work when requested by Owner.

1.05 SUBMISSIONS

- A. Submit proposed milestone schedule with Proposal.

B. Submit initial schedules and revised progress schedules as indicated in Section 01335.

C. Submit 2 opaque reproducible copies of schedule to Owner and 2 to Engineer.

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PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
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1.01 SECTION INCLUDES

- A. Shop Drawings.
- B. Contractor responsibilities.
- C. Submission requirements.
- D. Document submittal schedule.
- E. Resubmission requirements.
- F. Distribution.
- G. Engineer duties.
- H. Shop Drawing Transmittal Form.

1.02 SHOP DRAWINGS

- A. Contractor shall submit the items listed in the "Document Submittal Schedule."
- B. Designate in construction schedule, or in separate coordinated schedule, dates for submission of all required documents.
- C. Shop Drawings shall be presented in clear and thorough manner, complete with respect to dimensions, design criteria, materials of construction, and like information to enable Engineer to review information as required.
- D. Sheet size:
 - 1. Minimum: 8-1/2" x 11".
 - 2. Maximum: 36" x 60".

1.03 CONTRACTOR RESPONSIBILITIES

- A. Review Shop Drawings prior to submission.
- B. Determine and verify:
 - 1. Field measurements.
 - 2. Field construction criteria.
 - 3. Catalog numbers and similar data.
 - 4. Conformance to Specifications.
- C. Coordinate each submittal with other submittals and with requirements of Work and of Contract Documents.
- D. Notify Engineer in writing, at time of submission, of any variation in submittals from requirements of Contract Documents. Any such deviations permitted by Engineer will require modifications of Contract Documents.
- E. Begin no fabrication or Work which requires submittals until return of submittals by Engineer with Engineer stamp, as either "Reviewed" or "Reviewed as Noted." Any related Work performed prior to such return of pertinent submittal will be sole expense and responsibility of Contractor.

1.04 SUBMISSION REQUIREMENTS

A. Make submittals to Engineer promptly in accordance with approved schedule, and in such sequence as to cause no delay in Work or in work of any other contractor.

B. Deliver submittals to:

Mr. Larry Shell
Stanley Consultants, Inc.
Stanley Building
225 Iowa Avenue
Muscatine, Iowa 52761

C. Number of submittals required:

1. Shop Drawings:

- a. Submit 3 copies of each Shop Drawing.
- b. Copies of Drawings submitted shall be black line on white background.
- c. Engineer will use 35 mm microfilm system in processing Shop Drawings. Shop Drawings shall be suitable for microfilming. Shop Drawings submitted which are not suitable for microfilming will not be reviewed.

2. Drawings shall be rolled.

D. Submittals shall contain:

1. Date of submission and dates of any previous submissions.
2. Project title and number.
3. Contract identification.
4. Names of:
 - a. Contractor.
 - b. Supplier.
 - c. Manufacturer.
5. Identification of product, with Specification section number.
6. Field dimensions, clearly identified as such.
7. Relation to adjacent or critical features of Work or materials.
8. Applicable standards, such as ASTM or Federal Specification numbers.
9. Identification of deviations from Contract Documents.
10. Identification of revisions on resubmittals.
11. An 8" x 3" blank space for Contractor and Engineer stamps.
12. Indication of Contractor's approval, initialed or signed, with wording substantially as follows:

"Contractor represents to Owner and Engineer that Contractor has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or assumes full responsibility for doing so and has reviewed or coordinated each Shop Drawing or Sample with requirements of Work and Contract Documents."

13. If Contract Documents include performance specifications stating required results which can be verified as meeting stipulated criteria, so that further design by Contractor prior to fabrication is necessary, Shop Drawings depicting such design must be prepared under direction of and sealed by professional engineer licensed the State of Kentucky and retained by Contractor. Such drawings shall be sealed and signed in accordance with applicable state regulations and with following certification statement:

"I hereby certify that this engineering document was prepared by me or under my direct personal supervision, that I am a duly licensed Professional Engineer under the laws of the State of Kentucky and I accept responsibility for the adequacy of this document to meet criteria stipulated in the Contract Documents".

14. Shop Drawing Transmittal Form is bound herein. This form is also available on disk and may be obtained from the Engineer. Contractor shall reproduce any additional copies required and use in accordance with instructions given with Transmittal Form. Contractor shall submit 2 copies of Transmittal Form for initial submittals and resubmittals.

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1.05 DOCUMENT SUBMITTAL SCHEDULE

Item Number	Description	Reference Section Number	Time of Submittal (Calendar days after Notice to Proceed unless noted otherwise)
GENERAL			
1.	Quality assurance manual		15
2.	Quality plan		30 days prior to first fabrication
3.	Welding procedures, including procedure qualification records	01460	15
4.	Preliminary construction progress schedules for fabrication, shop testing, delivery of equipment and construction	01320	With Proposal
5.	Progress schedules	01320	15 days after Notice to Proceed and by the 10th of each month until the equipment arrives on site
6.	Preliminary operating and maintenance instruction manuals.	01785	75 days prior to equipment shipment
7.	Final operating and maintenance instruction manuals. Recommended spare parts list	01785	30 days after receiving comments to preliminary manual
8.	Proposed test procedures for shop and field testing		30 days prior to performing tests
9.	Notification of tests	01451	10 days prior to test/inspection
10.	Test data		Within 14 days following each test or inspection
11.	Lubrication/consumables chemical list		With preliminary instruction manual
DELIVERY			
1.	Notice of preshipment inspection		21 days prior to shipment
2.	Shipping notice		7 days prior to arrival
3.	Material Safety Data Sheets		60 days prior to first shipment to site
4.	Notice of presence of hazardous materials		When hazardous materials are shipped to site
TECHNICAL			
1.	Complete Bidder Data and Information	00434	With Proposal
2.	Outline drawings showing general arrangement, laying lengths, and miscellaneous connections including all major dimensions	15181	Preliminary with Proposal and certified 21 days after Notice to Proceed
3.	Outline drawings for pipe showing general arrangement, space requirements and clearances, and miscellaneous connections including all major dimensions. Include stationing of line at key points, such as outlets, bends, and changes in grade	15181	30
4.	Materials of construction	15181	Preliminary with proposal and final 21 days after Notice to Proceed

Item Number	Description	Reference Section Number	Time of Submittal (Calendar days after Notice to Proceed unless noted otherwise)
5.	Detailed description of work involved to complete erection of equipment, including all accessories furnished.	15181	21 days prior to shipment
6.	Allowable reaction forces and directions on piping nozzles, including thermal movements	15181	21
7.	Pipe schedule indicating sequence of installation of pipe, fittings, and specials.		30
8.	Final list of materials of construction		30
9.	Drawings on shop fabricated fittings		40
10.	Certificate from manufacturer evidencing compliance with AWWA standards listed herein for pipe and joints.		30 days before shipment
11.	Structural computations of pipe design		40
12.	Manufacturer's data reports including inspection certificates	15181	20 days after inspection

1.06 RESUBMISSION REQUIREMENTS

- A. Make any corrections or changes in submittals required by Engineer and resubmit until stamped as "Reviewed" by Engineer. Contractor shall include issue number or issue date in document revision block or other clearly identified location on document. Changes shall be back-circled or otherwise clearly identified

1.07 DISTRIBUTION

- A. Distribute reproductions of Shop Drawings which carry Engineer stamp as either "Reviewed" or "Reviewed as Noted" to:
1. Record Documents file.
 2. Subcontractors.
 3. Supplier or fabricator.
- B. Distribute Samples which carry Engineer stamp as either "Reviewed" or "Reviewed as Noted" as directed by Engineer.

1.08 ENGINEER DUTIES

- A. Review required submittals with reasonable promptness and in accord with schedule, only for general conformance to design concept of Project and compliance with information given in Contract Documents. Review shall not extend to means, methods, sequences, techniques, or procedures of construction or to safety precautions or program incident thereto. Review of a separate item as such will not indicate approval of assembly in which item functions.
- B. Affix stamp and initials or signature, and indicate requirements for resubmittal, or review of submittal. Engineer's action on submittals is classified as follows:
1. **Reviewed:** Submittal has been reviewed and appears to be in conformance to design concept of Project and Contract Documents. Contractor may proceed with fabrication of work in submittal.
 2. **Reviewed As Noted:** Submittal has been reviewed and appears to be in conformance to design concept of Project and Contract Documents, except as noted by Engineer. Contractor may proceed with fabrication of work in submittal with modifications and corrections as indicated by Engineer.

3. **Resubmit:** Submittal has been reviewed and appears not to be in conformance to design concept of Project or with Contract Documents. Contractor shall not proceed with fabrication of work in submittal, but instead shall make any corrections required by Engineer and resubmit for review.
4. **Returned without Review:** Submittal is being returned without having been reviewed because:
 - 1) not required by Contract Documents;
 - 2) grossly incomplete;
 - 3) indicates no attempt at conformance to Contract Documents;
 - 4) cannot be reproduced;
 - 5) lacks Contractor's completed approval stamp; or
 - 6) lacks design professional's seal when required by law or Contract Documents.If submittal is required by Contract Documents, Contractor shall not proceed with Work as detailed in submittal, but instead shall correct defects and resubmit for review.
5. **For Information Only:** Submittal has not been reviewed but is being retained for informational purposes only.

C. Return submittals to Contractor.

D. Engineer's review of submittals shall not relieve Contractor from responsibility for any variation from Contract Documents unless Contractor has, in writing, called Engineer's attention to such variation at time of submission, and Engineer has given written concurrence pursuant to Contract Documents to specific variation, nor shall any concurrence by Engineer relieve Contractor from responsibility for errors or omissions in submittals.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Quality control and control of installation.
- B. Tolerances.
- C. Building codes and permits.
- D. References.
- E. Examination.
- F. Preparation.

1.02 QUALITY CONTROL AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform Work by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on Shop Drawings or as instructed by manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, or disfigurement.

1.03 TOLERANCES

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

1.04 BUILDING CODES AND PERMITS

- A. Obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses.
- B. Pay all governmental charges and inspection fees necessary for prosecution of Work, which are applicable at time of opening of Bids. Pay all charges of utility service companies for connections to Work. Owner will pay all charges of such companies for capital costs related thereto.
- C. License from the City of Maysville, Kentucky is required for Contractor and all Subcontractors.

- D. Give all notices and comply with all laws, ordinances, building and construction codes, rules, and regulations applicable to Work. If Contractor observes that Specifications or Drawings are at variance therewith, give Engineer prompt written notice thereof, and any necessary changes shall be adjusted by appropriate Modification.
- E. If Contractor performs any Work knowing or having reason to know that it is contrary to such laws, ordinances, rules, and regulations, and without such notice to Engineer, Contractor shall bear all costs arising therefrom; however, it shall not be Contractor's primary responsibility to make certain that Specifications and Drawings are in accordance with such laws, ordinances, rules, and regulations.

1.05 REFERENCES

- A. For products or workmanship specified by association, trade, or other consensus standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date for receiving bids, except where a specific date is established by code.
- C. Obtain copies of standards where required by product specification sections.
- D. Should specified reference standards conflict with Construction Contract - Generating, request clarification from the Engineer before proceeding.
- E. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Engineer shall be altered from the Construction Contract - Generating by mention or inference otherwise in any reference document.
- F. Abbreviations used in Drawings and Specifications are as specified in ANSI Y1.1 and IEEE 260.
- G. Schedule of references:
 - 1. AA - Aluminum Association
 - 2. AAMA – Architectural Aluminum Manufacturer’s Association
 - 3. AABC - Associated Air Balance Council
 - 4. AAMA - American Architectural Manufacturers Association
 - 5. AAN – American Association of Nurserymen
 - 6. AAR –Association of American Railroads
 - 7. AASHTO - American Association of State Highway and Transportation Officials
 - 8. ABMA - American Bearing Manufacturers Association
 - 9. ACI - American Concrete Institute
 - 10. ACGIH - American Conference of Governmental Industrial Hygienists
 - 11. ACIL - American Council of Independent Laboratories
 - 12. ADC - Air Diffusion Council
 - 13. ADSC - The International Association of Foundation Drilling
 - 14. AF&PA – American Forest & Paper Association
 - 15. AFS – American Foundrymen’s Society
 - 16. AGA - American Gas Association
 - 17. AGMA - American Gear Manufacturers Association
 - 18. AHA - American Hardboard Association
 - 19. AI - Asphalt Institute
 - 20. AIChE – American Institute of Chemical Engineers
 - 21. AISC - American Institute of Steel Construction
 - 22. AISI - American Iron and Steel Institute
 - 23. AITC - American Institute of Timber Construction
 - 24. AMCA - Air Movement and Control Association
 - 25. ANSI - American National Standards Institute
 - 26. APA – American Pulpwood Association
 - 27. APA/EWA- APA -The Engineered Wood Association

28. API - American Petroleum Institute
29. APMO - International Association of Plumbing
30. AREMA - American Railway Engineering and Maintenance-of-Way Association
31. ARI - Air-Conditioning and Refrigeration Institute
32. ARRA - Asphalt Recycling and Reclaiming Association
33. ASA - Acoustical Society of America
34. ASCE - American Society of Civil Engineers
35. ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers
36. ASME - American Society of Mechanical Engineers
37. ASPA - American Sod Producers Association
38. ASSE - American Society of Sanitary Engineering
39. ASTM - American Society for Testing and Materials
40. AWI - Architectural Woodwork Institute
41. AWPA - American Wood-Preservers' Association
42. AWS - American Welding Society
43. AWWA - American Water Works Association
44. BIA - Brick Industry Association
45. BOCA - Building Officials & Code Administrators International, Inc.
46. CDA - Copper Development Association Inc.
47. CBM - Certified Ballast Manufacturers Association
48. CEMA - Conveyor Equipment Manufacturer's Association
49. CGA - Compressed Gas Association
50. CISCA - Ceilings and Interior Systems Construction Association
51. CISPI - Cast Iron Soil Pipe Institute
52. CLFMI - Chain Link Fence Manufacturers Institute
53. CMAA - Crane Manufacturers Association of America
54. CPSC - Consumer Products Safety Council
55. CRI - Carpet and Rug Institute
56. CRSI - Concrete Reinforcing Steel Institute
57. CSSB - Cedar Shake and Shingle Bureau
58. CTI - Cooling Technology Institute
59. DASMA - Door and Access Systems Manufacturers Association International
60. DHI - Door and Hardware Institute
61. DIN - Deutsche Normen
62. EIA - Electronic Industries Alliance
63. EIMA - EIFS Industry Members Association
64. EJMA - Expansion Joint Manufacturers Association
65. EPA - Environmental Protection Agency
66. ETL - Electrical Testing Laboratory
67. FAA - Federal Aviation Administration
68. FM - FM Global
69. FS - Federal Specification Unit
70. GA - Gypsum Association
71. GANA - Glass Association of North America
72. HI - Hydraulics Institute
73. HI - Hydronics Institute
74. HMI - Hoist Manufacturer's Institute
75. HMMA - Hollow Metal Manufacturers Association
76. HPVA - Hardwood Plywood and Veneer Association
77. IAS - International Approval Services
78. IAPMO - International Association of Plumbing and Mechanical Officials
79. ICAC - Institute of Clean Air Companies
80. ICBO - International Conference of Building Officials
81. ICC - International Code Council, Inc.
82. ICEA - Insulated Cable Engineers Association
83. IEC - International Electro-technical Council
84. IEEE - Institute of Electrical and Electronics Engineers
85. IES - Illuminating Engineering Society

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86. IETF - Internet Engineering Task Force
87. IGCC - Insulating Glass Certification Council
88. ILI - Indiana Limestone Institute of America
89. ISA – Instrumentation, Systems, and Automation Society
90. ISO - International Standards Organization
91. ITU - International Telecommunications Union
92. KCMA - Kitchen Cabinet Manufacturers Association
93. LPI - Lightning Protection Institute
94. MBMA - Metal Building Manufacturers Association
95. MFMA - Maple Flooring Manufacturers Association
96. MIA - Marble Institute of America
97. MS - Military Standardization Documents
98. MSS - Manufacturer's Standardization Society of the Valve and Fittings Industry
99. NAA - National Arborist Association
100. NAAMM - National Association of Architectural Metal Manufacturers
101. NAAMM - North American Association of Mirror Manufacturers
102. NACE – NACE International
103. NAIMA - North American Insulation Manufacturers Association
104. NBHA - National Builders Hardware Association
105. NBGQA - National Building Granite Quarries Association, Inc.
106. NBS - National Bureau of Standards
107. NCMA - National Concrete Masonry Association
108. NCTA - National Cable Television Association
109. NCRP - National Council on Radiation Protection and Measurement
110. NEBB - National Environmental Balancing Bureau
111. NECA - National Electrical Contractors Association
112. NELMA - National Electrical Manufacturers Association
113. NEMA - National Electrical Manufacturers' Association
114. NETA - International Electrical Testing Association
115. NFPA - National Fire Protection Association
116. NFRC - National Fenestration Rating Council
117. NHLA - National Hardwood Lumber Association
118. NIBS - National Institute of Building Sciences
119. NIST - National Institute of Standards and Technology
120. NRMCA - National Ready Mixed Concrete Association
121. NLA - National Lime Association
122. NLGA - National Lumber Grades Authority
123. NOFMA - National Oak Flooring Manufacturers Association
124. NPCA - National Paint and Coatings Association
125. NRCA – National Roofing Contractors Association
126. NRMCA – National Ready Mixed Concrete Association
127. NSF – NSF International
128. NSPI – National Spa and Pool Institute
129. NTMA – National Terrazzo and Mosaic Association
130. NUCA – National Utility Contractors Association
131. NWMA – National Woodwork Manufacturer's Association
132. NWWDA - National Wood Window and Door Association.
133. OSHA – U. S. Department of Labor, Occupational Safety and Health Administration
134. PCA - Portland Cement Association
135. PCI – Precast/Prestressed Concrete Institute
136. PDCA – Painting and Decorating Contractors of America
137. PDI – Plumbing and Drainage Institute
138. PFI - Pipe Fabrication Institute
139. PS - Product Standard
140. PTI – Post Tensioning Institute
141. RCSC – Research Council on Structural Connections
142. RIS – The Redwood Inspection Service
143. RUS – U. S. Department of Agriculture, Rural Utilities Services

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144.	SAE -- Society of Automotive Engineers	
145.	SAMA - Scientific Apparatus Makers Association	PSC Request 1a.
146.	SBCCI - Southern Building Code Congress International	Attachment No. 20
147.	SCMA -- Southern Cypress Manufacturers Association	PAGE 84
148.	SCTE - Society of Cable Telecommunications Engineers	
149.	SDI - Steel Deck Institute	
150.	SDI - Steel Door Institute	
151.	SIGMA - Sealed Insulating Glass Manufacturers Association	
152.	SJI - Steel Joist Institute	
153.	SMACNA - Sheet Metal and Air Conditioning Contractors' National Association	
154.	SPIB -- Southern Pine Inspection Bureau	
155.	SPRI -- Single Ply Roofing Institute	
156.	SSPC -- The Society for Protective Coatings	
157.	STI -- Steel Tank Institute	
158.	SWI -- Steel Window Institute	
159.	SWRI -- Sealant, Waterproofing, and Restoration Institute	
160.	TCA -- Tile Council of America, Inc.	
161.	TEMA - Tubular Exchanger Manufacturers Association	
162.	TIA/EIA -- Telecommunications Industry Association/Electronic Industries Alliance	
163.	TMA -- The Masonry Society	
164.	TPI -- Truss Plate Institute	
165.	TPI -- Turfgrass Producers International	
166.	UL - Underwriters' Laboratories, Inc.	
167.	WCLIB - West Coast Lumber Inspection Bureau	
168.	WDMA -- Window and Door Manufacturers Association	
169.	WH -- Intertek Testing Services, Warnock Hersey Listing Services	
170.	WIC -- Woodwork Institute of California	
171.	WWPA -- Western Wood Products Association	

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new Work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.
- D. Verify that utility services are available, of the correct characteristics, and in the correct locations.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Erecting superintendent responsibilities.

1.02 ERECTING SUPERINTENDENT RESPONSIBILITIES

- A. Contractor shall provide qualified Erecting Superintendent(s), as necessary to:
 - 1. Instruct and advise installation Contractor regarding proper method for unloading, erecting, and installing equipment to assure installation in accordance with manufacturer's instructions.
 - 2. Assure that alignment and clearances of equipment are checked and adjusted to allowable tolerances.
 - 3. Inspect completed installation to assure that apparatus is in operating condition, making such detailed checks of equipment installation as are necessary to ascertain that equipment is assembled, installed, aligned, connected, lubricated, and prepared for operation in accordance with manufacturer's instructions and recommendations.
 - 4. Provide Owner with duplicate copies of final alignment and clearance measurements on all rotating or reciprocating equipment. Measurements shall clearly identify each piece of equipment.
 - 5. Supervise preliminary operation of equipment and necessary adjustments.
 - 6. Fully instruct Owner's operating personnel in operation and maintenance of equipment.
- B. Presence of Erecting Superintendent will in no way relieve Contractor of any responsibility assumed under Agreement.
- C. Work and abilities of Erecting Superintendent shall be subject to review of Owner. If Owner determines that any Erecting Superintendent is not properly qualified, Contractor shall replace Erecting Superintendent upon written notification by Owner.
- D. Contractor shall provide continuity in assignment of Erecting Superintendent to Work. In event substitution of Erecting Superintendent is made which is not at request of Owner, substitute's time for "familiarization" shall be at Contractor's expense.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Testing laboratory services.
- B. Contractor's responsibilities.
- C. Specific tests, inspections, and methods required.

1.02 RELATED SECTIONS

- A. Conditions of Agreement: Inspections and testing required by laws, ordinances, rules, regulations, orders or approvals of public authorities.
- B. Respective sections of Specifications: Certification of products.
- C. Each Specification section that lists test requirements.

1.03 TESTING LABORATORY SERVICES

- A. Owner will employ and pay for services of independent testing laboratory to perform specified services and testing, except where specified otherwise.

1.04 CONTRACTOR'S RESPONSIBILITIES

- A. Cooperate with laboratory personnel, provide access to Work and to manufacturer's operations.
- B. Secure and deliver to laboratory adequate quantities of representational samples of materials proposed to be used and which require testing.
- C. Provide laboratory preliminary design mix proposed to be used for concrete, and other materials mixes which require control by testing laboratory.
- D. Furnish copies of products test reports as required.
- E. Furnish incidental labor and facilities:
 - 1. To provide access to Work to be tested.
 - 2. To obtain and handle samples at Project Site or at source of product to be tested.
 - 3. To facilitate inspections and tests.
 - 4. For storage and curing of test samples.
- F. Notify Owner sufficiently in advance of operations to allow for laboratory assignment of personnel and scheduling of tests. When tests or inspections cannot be performed after such notice, reimburse Owner for laboratory personnel and travel expenses incurred due to Contractor's negligence.
- G. Make arrangements with Owner and pay for additional samples and tests required for Contractor's convenience.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

END OF SECTION

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Welding requirements.
- B. Procedure qualification.
- C. Performance qualification.
- D. Submittals.

1.02 WELDING REQUIREMENTS

- A. Welding shall be performed by qualified welding operators using procedures which have been qualified in accordance with applicable codes and standards:
 - 1. ANSI B31.1 Code for Pressure Piping.
 - 2. ASME Boiler and Pressure Vessel Code.
 - 3. AWS D1.1 Structural Welding Code.

1.03 PROCEDURE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for obtaining and qualifying welding procedures. Structural welding procedures conforming to AWS D1.1 are prequalified as defined in AWS D1.1, Chapter 5 and Appendix E.
- B. Contractor shall maintain records, and make available to Owner when requested, certifying successful completion of procedure qualification tests.

1.04 PERFORMANCE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for testing and qualifying its welding operators in accordance with applicable codes, using qualified procedures.
- B. Unless welding operators have been previously qualified by Contractor within last 6 months and have been continuously employed as welders by Contractor following qualification, requalification tests must be performed.

1.05 SUBMITTALS

- A. Except for procedures exempted to AWS D1.1, Section 5.1, submit 1 copy of each welding procedure to Engineer with certificate demonstrating successful qualification of welding procedures for each welding process performed: AWS D1.1 - Forms E-1, E-2, E-3, or ASME QW-483.
- B. Prior to execution of any welding, submit to Engineer 1 copy of welder qualification form for each individual performing welding: AWS D1.1 Form E-4 or ASME QW-484.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities:
 - 1. Temporary plant services.
 - 2. Temporary lighting for construction purposes.
 - 3. Temporary heating.
 - 4. Temporary ventilation.
 - 5. Telephone service.
 - 6. Facsimile service.
 - 7. Temporary water service.
 - 8. Temporary sanitary facilities.
- B. Construction facilities:
 - 1. Field offices and sheds.
 - 2. Progress cleaning and waste removal.
- C. Temporary controls:
 - 1. Barriers.
 - 2. Security.
 - 3. Water control.
 - 4. Dust control.
 - 5. Erosion and sediment control.
 - 6. Noise control.
 - 7. Pollution control.
- D. Removal of utilities, facilities, and controls.

1.02 TEMPORARY PLANT SERVICES

- A. Electrical energy in reasonable quantities will be furnished at job site for use in construction. If Contractor's requirements are in excess of Owner's facilities, or located remotely, Contractor shall furnish additional service at own expense.
- B. Service point equipped to supply 3-phase, 480-volt, 60 Hz power will be installed by Owner.
- C. Contractor shall supply 480-volt to 120-volt load centers. Contractor shall furnish and install temporary wiring with suitable fused safety switches from this point as required. Wiring shall be suitable for load and service involved and subject to approval of Owner. Capacity will be shared with other contractors.
- D. Requirements for electrical services must be stated in Proposal and will be reviewed by Owner for availability.
- E. Other services, including compressed air, shall be provided by Contractor to meet own requirements.

1.03 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

- A. Provide and maintain incandescent lighting for construction operations to achieve a minimum lighting level of 5 fc average with 1 fc minimum at floor level.
- B. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.
- C. Maintain lighting and provide routine repairs.

1.04 TEMPORARY HEATING

- A. Provide and pay for heating devices and heat as needed to maintain specified conditions for construction operations.

1.05 TEMPORARY VENTILATION

- A. Ventilate enclosed areas to achieve curing of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

1.06 TELEPHONE SERVICE

- A. Provide, maintain, and pay for telephone service to field office at time of project mobilization.

1.07 FACSIMILE SERVICE

- A. Provide, maintain and pay for facsimile service and a dedicated telephone line to field office at time of project mobilization.

1.08 TEMPORARY WATER SERVICE

- A. Owner will pay cost of temporary water. Exercise measures to conserve energy. Utilize Owner's existing water system, extend and supplement with temporary devices as needed to maintain specified conditions for construction operations.
- B. Extend branch piping with outlets located so water is available by hoses with threaded connections.

1.09 TEMPORARY SANITARY FACILITIES

- A. Provide portable restrooms near Work area.
- B. Potable water is available at cooler fill stations and drinking fountains.
- C. Additional facilities required will be Contractor's responsibility.
- D. Use of Owner's facilities will be strictly prohibited.

1.10 FIELD OFFICES AND SHEDS

- A. Storage Areas and sheds: Provide protected storage space at location on plant site as directed by Owner or its representative. Materials or equipment shall be stored so as not to deteriorate by external causes. Size to storage requirements for products of individual Sections, allowing for access and orderly provision for maintenance and for inspection of products to requirements of Section 01600.
- B. Office: Office space within plant building will not be available to Contractor. Location for an office will be provided by Owner as directed by Owner. Office shall be weathertight, with lighting, electrical outlets, heating, cooling, and ventilating equipment, and equipped with sturdy furniture drawing rack, and drawing display table.
- C. Installation:
 - 1. Install office spaces ready for occupancy prior to start of on-site construction.
 - 2. Employee residential occupancy: Not allowed on Owner's property.
- D. Maintenance and cleaning:
 - 1. Weekly janitorial services for offices; periodic cleaning and maintenance for office and storage areas.

2. Maintain approach walks free of mud, water, and snow.

E. Removal: At completion of Work remove buildings, foundations, utility services, and debris. Restore areas.

1.11 PROGRESS CLEANING AND WASTE REMOVAL

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and rubbish from site weekly and dispose off-site.

E. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.12 BARRIERS

A. Provide barriers to prevent unauthorized entry to construction areas to allow for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations.

B. Provide barricades and covered walkways required by governing authorities for public rights-of-way.

C. Protect nonowned vehicular traffic, stored materials, site, and structures from damage.

1.13 SECURITY

A. Site has perimeter fencing and controlled access through a manned, controlled access gate.

B. Additional security shall be Contractor's responsibility.

1.14 WATER CONTROL

A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.

B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.

1.15 DUST CONTROL

A. Execute Work by methods to minimize raising dust from construction operations.

B. Provide positive means to prevent air-borne dust from dispersing into atmosphere.

1.16 EROSION AND SEDIMENT CONTROL

A. Plan and execute construction by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.

B. Minimize amount of bare soil exposed at one time.

C. Provide temporary measures such as berms, dikes, and drains, to prevent water flow.

- D. Construct fill and waste areas by selective placement to avoid erosive surface silts or clays.
- E. Periodically inspect earthwork to detect evidence of erosion and sedimentation; promptly apply corrective measures.

1.17 NOISE CONTROL

- A. Provide methods, means, and facilities to minimize noise produced by construction operations.

1.18 POLLUTION CONTROL

- A. Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations.

1.19 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, and excess materials from Site at the completion of Work.
- B. Unless otherwise stated in Proposal, dispose of hazardous waste generated by Work.
- C. Remove underground installations to a minimum depth of 2'.
- D. Clean and repair damage caused by installation or use of temporary work.
- E. Restore existing and permanent facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Traffic control plan.
- B. Enclosures and fences.
- C. Signs and devices.
- D. Vehicular access.
- E. Construction parking.
- F. Protection of surfaces.
- G. Haul routes.
- H. Flaggers.
- I. Traffic control.
- J. Removal.

1.02 GENERAL REQUIREMENTS

- A. Contractor is solely responsible to make sure barricades are placed at excavation site when not in attendance or where safety of motorist is of concern while Work is proceeding.
- B. Provide lighting of barricades on construction sites.

1.03 SUBMITTALS

- A. Submit traffic control plan for Owner's approval and authority having jurisdiction.

PART 2 PRODUCTS

2.01 ENCLOSURES AND FENCES

- A. Construction fence: 4' high, construction safety fence, steel posts, orange in color.

2.02 SIGNS AND DEVICES

- A. Post-mounted traffic control and informational signs for vehicular and pedestrian traffic.
- B. Traffic cones, barriers, drums, and lights: As approved by Owner.
- C. Flagger equipment: As required by Owner.

PART 3 EXECUTION**3.01 VEHICULAR ACCESS**

- A. Construct temporary, all-weather access roads of width and load bearing capacity to provide unimpeded traffic for construction purposes.
- B. Construct temporary culverts to span low areas and allow unimpeded drainage.
- C. Extend and relocate as Work progress requires, provide detours as necessary for unimpeded traffic flow.
- D. Provide unimpeded access for emergency vehicles. Maintain 20' (6 m) width driveways with turning space between and around combustible materials.
- E. Provide and maintain access to fire hydrants and control valves free of obstructions.
- F. Provide means of removing mud from vehicle wheels before entering streets.
- G. Designated existing on-site roads may be used for construction traffic.

3.02 CONSTRUCTION PARKING

- A. Parking lot will be provided for Contractor parking. Only vehicles allowed beyond this lot are those required for Work, deliveries, and superintendent's vehicle. Vehicles shall have pass issued by Owner.

3.03 PROTECTION OF STREET SURFACES

- A. Traveled portion of permanent and temporary surfaces and structures on or adjacent to Work site shall be protected from damage by lugs or cleats on treads or wheels of equipment.

3.04 FLAGGERS

- A. Provide trained and equipped flaggers to regulate traffic as required for traffic control.

3.05 FLARES AND LIGHTS

- A. Use flares and lights during hours of low visibility to delineate traffic lanes and to guide traffic.

3.06 HAUL ROUTES

- A. Consult with Owner to determine haul routes and site access.

3.07 TRAFFIC SIGNS

- A. Install as needed to direct construction and affected traffic.
- B. Relocate as Work progresses, to maintain effective traffic control.

3.08 TRAFFIC CONTROL

- A. Design, construct, furnish, install, and maintain traffic control facilities as necessary for Work until surface is restored and facility returned to normal public usage. Remove when Work is completed.

- B. Construct and maintain traffic control as necessary until surface is restored and facility returned to normal use.
- C. Open pit-type excavations shall be surrounded at all times with plastic safety fencing.
- D. If section of road is closed for construction operations, or traffic is to be maintained along route under construction, or any section of road is opened to traffic prior to completion of all work on section, protect workers and provide for safe travel by providing, erecting, and maintaining signs, signals, markings, traffic cones, barricades, warning lights, flaggers, and other traffic control devices required for type of operation being performed
- E. When traffic is to be directed over alternate routes, erect and maintain traffic control devices along alternate routes in accordance with traffic plan.
- F. Any traffic control device which has become ineffective due to damage or defacement shall be replaced by Contractor. All traffic control devices shall be kept clean and neat appearing.
- G. During working times when open excavation is within or adjoins a traveled surface or access road, Contractor shall surround work area with a combination of Type III barricades and plastic safety fencing.
- H. Flashing lights shall be installed at each approach to work involving a nighttime lane closure and shall be high-intensity units. Units shall operate during hours of darkness. Contractor shall replace units which have become defective. Any light out of order shall be replaced or repaired by Contractor within 1 hour after notification.
- I. Barricades and/or cones used for channelization or delineation and warning signs shall be sequentially placed in direction of traffic flow and removed in reverse order. Lane closure signs and flaggers signs shall be erected prior to barricades and/or cones, and remain erected until such time as all traffic control devices have been removed from pavement.
- J. Construction signs necessary only during working hours shall be removed or covered during non-working hours.

3.09 REMOVAL

- A. Remove temporary equipment, facilities, and materials when no longer required.
- B. Remove underground installations to a minimum depth of 2' (600 mm). Grade site as indicated.
- C. Clean and repair damage caused by installation or use of temporary work.
- D. Restore permanent facilities used during construction to specified condition.

END OF SECTION

Off-Lite Corp

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PUBLIC SERVICE
COMMISSION

Conformed Contract

for

**Contract F211 – Coal and Limestone Handling
Spurlock Station - Unit 4
Maysville, Kentucky**

Between

**East Kentucky Power Cooperative, Inc.
Winchester, Kentucky**

And

**Dearborn Mid-West Conveyor Company
Fairway, Kansas**

October 2006



Stanley Consultants

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FEB 02 2007

PUBLIC SERVICE
COMMISSION

Project Manual

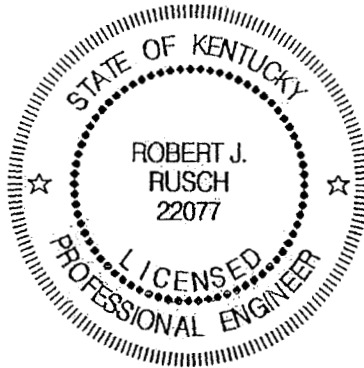
for

**Contract F211 – Coal and Limestone Handling
Spurlock Station - Unit 4
Maysville, Kentucky**

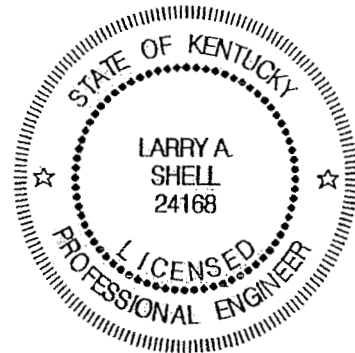
**East Kentucky Power Cooperative
Winchester, Kentucky**



Carmen Gruetzmacher
Sept. 28, 2005



Robert J. Rusch
September 28, 2005



Larry A. Shell
September 28, 2005

September 28, 2005



Stanley Consultants INC.

A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

CONTRACT F211 – COAL AND LIMESTONE HANDLING
SPURLOCK STATION UNIT 4
MAYSVILLE, KENTUCKY

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EAST KENTUCKY POWER COOPERATIVE, INC.
WINCHESTER, KENTUCKY

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⁽¹⁾ Addendum No. 1

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Exceptions and Clarifications



EAST KENTUCKY POWER COOPERATIVE
STANLEY CONSULTANTS, INC.
COAL AND LIMESTONE HANDLING
SPURLOCK STATION – UNIT 4
CONTRACT F211
MAYSVILLE, KY
DMW PROPOSAL NO. B-40204-A1

APPENDIX G

CLARIFICATIONS & EXCEPTIONS

COMMERCIAL

1. Bid prices excludes any Kentucky sales or use tax.
2. Field rate schedule quoted for any additional scope of work to be done in the field.
3. Monthly cash flow is subject to discussion and adjustment to suit project requirements.
4. DMW has included a preliminary schedule in Appendix F. This schedule needs to be discussed to see if drawing turn around time from engineers could be reduced which will effect the overall schedule.



EAST KENTUCKY POWER COOPERATIVE
STANLEY CONSULTANTS, INC.
COAL AND LIMESTONE HANDLING
SPURLOCK STATION – UNIT 4
CONTRACT F211
MAYSVILLE, KY
DMW PROPOSAL NO. B-40204-A1

APPENDIX G

CLARIFICATIONS & EXCEPTIONS

TECHNICAL

Electrical

1. Any grounding required underground for building extension or conveyor steel is not included. ⁽¹⁾
2. Lightning protection is not included.

Fire Protection

3. Painting of galvanized pipe, fittings, hangers and equipment is not included.
4. 8" water supply & underground piping into Crusher House or 8" water supply pipe to Tripper Floor is not included. ⁽¹⁾
5. Electrical power wiring from the control panels to conveyor shut-down control and/or to the plant fire alarm system is not included.
6. Remote fire alarm annunciation is not included.
7. Fire extinguisher or fire hose station is not included.
8. Seismic requirements, approval or testing is not included.

HVAC

9. ~~The crusher building was originally designed to be heated to 40F only. We are not quoting enough heater to heat the entire building to 50F.~~ ^(1, 2)
10. Electric heating coils in the dust collection make up unit and the electrical equipment AHU are furnished with sheathed electric heating elements. ⁽¹⁾

Mechanical

11. All civil work (excluding grout) is by others. ⁽¹⁾
12. Stamler feeder will be designed for a concrete push wall (by others).



Stanley Consultants INC.

A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

February 13, 2006

Mr. Sudy Vohra
Dearborn Mid-West Conveyor Co.
Suite 301B
4220 Shawnee Mission Parkway
Fairway, KS 66205

Dear Mr. Vohra:

Subject: Contract F211 -- Coal and Limestone Handling
East Kentucky Power Cooperative (EKPC)
Spurlock Unit 4

Stanley Consultants has completed a technical review of your proposal including the Technical Exceptions and Clarifications. Our comments are as follows:

1. Item: Any grounding required underground for building extension or conveyor steel is not included.

Response: The underground grounding grid is provided and installed by Contract F261. Stubs for ground connections to building columns and conveyor support bents are provided as part of the underground grounding grid. The F211 contractor shall make the required connections of the stub-ups to building columns and conveyor bents.

2. Item: Lightning protection is not included.

Response: A lightning protection system is not specified and is not required.

3. Item: Painting of galvanized pipe, fittings, hangers and equipment is not included.

Response: Painting of galvanized, stainless steel or aluminum surfaces is not required. All other surfaces shall meet the painting requirements of the specifications using the appropriate prime and finish coats. Confirm that all surfaces that are not galvanized, stainless steel or aluminum are painted in accordance with the specifications.

4. Item: Eight-inch (8") water supply and underground piping into Crusher House or eight-inch (8") water supply pipe to Tripper Floor is not included.

Response: The existing water supply into the Crusher Building is four-inch (4") in diameter. If detailed design calculations by the registered fire protection subcontractor determine a larger riser is required, and the alternate requiring such riser is exercised, then the riser shall be provided.



Mr. Sudy Vohra
February 13, 2006
Page 2

The riser would be located in the crusher building extension. The underground section of the piping is by others.

The riser to the Tripper Floor is a ten-inch (10") line and is shown on drawing 17500-M383 revision 1. Connect to the riser at the location shown.

5. Item: Fire extinguisher or fire hose station is not included.

Response: It is agreed that no fire extinguishers or hose stations are included in the F211 contract. If EKPC decides at a later date these items are required, provide them in accordance with the specifications at additional cost via a CAR.

6. Item: The crusher building was originally designed to be heated to only 40°F. DMW has not quoted enough heater capacity to heat the entire building to 50°F.

Response: There is adequate power available for heating the crusher building including the extension to the design temperature of 50°F. Provide the necessary equipment to heat the crusher building including the extension to 50°F.

7. Item: Electric heating coils in the dust collection makeup unit and the electrical equipment AHU are furnished with sheathed electric heating elements.

Response: These heating coils are acceptable in the stated AHU units provided the design temperature requirements are met and the AHUs meet classification requirements.

8. Item: All civil work (excluding grout) is by others.

Response: Site preparation, such as grading and excavation, will be by others. The crusher building foundations, ground floor slab, Stamler feeder foundation, conveyor bent foundations and any equipment slabs located outside of the crusher building will be by others. Provide all other concrete work such as elevated concrete floors, equipment pads, masonry walls, and grout as specified.

9. Item: Stamler feeder will be designed for a concrete push wall (by others).

Response: A concrete push wall will be acceptable.

10. Item: Proposal items not in conformance with project manual requirements:

This is a reminder that the contractor's proposal, including Appendix C, the intent and scope of supply, and the drawings in Appendix E, are not part of the final contract. The information in the proposal is only used to assist in evaluating the proposal against the project manual requirements. The requirements set forth in the project manual are the binding requirements.



Mr. Sudy Vohra
February 13, 2006
Page 3

Stanley Consultants has noted conflicts between information presented in the various sections of your proposal. One example is the description of conveyor SC4 versus that shown on the drawing. Another example is the failure to mention flop gates and chute work additions in the intent and scope of supply. The requirements set forth in the project manual are the binding requirements.

The Contract, if awarded, will be on the basis of materials and equipment specified or described in the project manual without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the project manual that a substitute or "or-equal" item of material or equipment may be furnished or used by the Contractor if acceptable to the Engineer, application for such acceptance will not be considered by the Engineer until after the effective date of the contract. Refer to Section 01600, article 1.05

The Bidder Data and Information, Section 00434, is not in conformance with project manual requirements:

- a. Provide as specified in Section 14550, article 2.01, paragraph E 2, the Voith fluid couplings specified. Provide updated Section 00434 data sheets.
- b. The weigh belt scale tail pulley speed sensor housing can not be NEMA 4 and meet NEC requirements. Provide proper instrumentation and provide updated Section 00434 data sheets.
- c. The Stamler feeder, reclaim conveyor SC4 and crusher feed conveyor LS4 will not be used to handle limestone. Provide equipment based on the proper design requirements as outlined in Section 01910. Provide a price reduction associated with providing equipment in accordance with the project manual. Provide updated Section 00434 data sheets.
- d. Provide updated Section 00434 data sheets to reflect the idler and belt sizes previously discussed in email correspondence dated January 26 - 30, 2006. Confirm the price reduction previously offered.
- e. Provide a belt scale for conveyor SC4. The reclaim feeder is not controllable without a belt scale on this conveyor. Provide Section 00434 data sheets.
- f. Provide a holdback on Tripper Conveyor BC4.



Mr. Sudy Vohra
February 13, 2006
Page 4

Please confirm that you will conform to the items as listed above. Provide a price reduction for those items listed in item 10.c and 10.d. Update and resubmit the Section 00434 data sheets.

Sincerely,

Stanley Consultants, Inc.

Larry Shell
Vice President

cc: Jeff Brandt – EKPC
Diana Pulliam – EKPC
General Files 17500 Contract F211

Development of Contract Price

Development of Contract Price

A.	Lump Sum Base Bid Price	\$ [REDACTED]
B.	Alternate No. 1	[REDACTED]
C.	Alternate No. 2	Not Accepted
D.	Alternate No. 3	Not Accepted
E.	Alternate No. 4	Not Accepted
F.	Alternate No. 5	[REDACTED]
G.	Alternate No. 6	Not Accepted
H.	Alternate No. 7	Not Accepted
I.	Alternate No. 8	[REDACTED]
J.	Alternate No. 9	[REDACTED]
K.	Alternate No. 10	[REDACTED]
L.	Alternate No. 11	[REDACTED]
M.	Heat Crusher Building to 50°F	[REDACTED]
N.	Furnish Voith Fluid Couplings	[REDACTED]
O.	Furnish Idlers and Belts Similar to Unit 3	[REDACTED]
P.	Furnish Holdback For Tripper Conveyor BS-4	[REDACTED]
	TOTAL CONTRACT PRICE	[REDACTED]

⁽¹⁾ Vohra letter dated February 16, 2006

U.S. Department of Agriculture
Rural Utilities Service

PSC Request 1a.
Attachment No. 17
PAGE 15

CONSTRUCTION CONTRACT GENERATING

NOTICE AND INSTRUCTIONS TO BIDDERS

- 1. Sealed proposals for the construction, including the supply of necessary labor, materials and equipment, of a rural electric project of East Kentucky Power Cooperative, Inc., RUS designation Kentucky 59 Fayette, (hereinafter called the "Owner") will be received by the Owner on or before 4 o'clock P M., December 9 January 16, 20056⁽¹⁾, at its office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 at which time and place the proposals will be publicly opened and read**

X privately opened. The Owner, subsequent to the bid opening, may elect to conduct clarifying discussions with the bidder to resolve any questions related to the substance of the bidder's proposal and to arrive at a final price for a responsive bid.

Any proposals received subsequent to the time specified will be promptly returned to the Bidder unopened.
- 2. Obtaining Documents.** The Plans, Specifications and Construction Drawings, together with all necessary forms and other documents for bidders may be obtained from the Owner, ~~or from the Engineer~~ _____ at the latter's office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 upon the payment of \$ 0.00, which payment will not be subject to refund. The Plans, Specifications, and Construction Drawings may be examined at the office of the Owner or at the office of the Engineer.
- 3. Manner of Submitting Proposals.** ~~Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner. The name and address of the Bidder, its license number if a license is required by the State, and the date and hour of the opening of bids must appear on the envelope in which the Proposal is submitted. Proposals must be completed in ink or typewritten. No alterations or interlineations will be permitted, unless made before submission, and initialed and dated. The successful Bidder will be required to execute two additional counterparts of the Proposal. See Section 00210 - Supplementary Instructions to Bidders.~~
- 4. Due Diligence.** Prior to the submission of the Proposal, the Bidder shall make and shall be deemed to have made a careful examination of the site of the project and of the Plans, Specifications, Construction Drawings, and forms of Contractor's Proposal and Contractor's Bond, and shall review the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, the kind of facilities required before and during the construction of the project, general local conditions, environmental and historic preservation considerations, and all other matters that may affect the cost and time of completion of the project. Bidder will be required to comply with all federal, state, and local laws, rules, and regulations applicable to its performance, including those pertaining to the licensing of contractors, and the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq).
- 5. Proposals will be accepted only from those prequalified bidders invited by the Owner to submit a proposal.**

⁽¹⁾ Addendum No. 2

6. **The Time for Completion of Construction** of the project is of the essence of the Contract and shall be as specified by the Engineer in the Proposal.
7. ~~**Bid Bond.** Each Proposal must be accompanied by a Bid Bond in the form attached hereto or a certified check on a bank that is a member of the Federal Deposit Insurance Corporation, payable to the order of the Owner, in an amount equal to ten percent (10%) of the maximum bid price. Each Bidder agrees, provided its Proposal is one of the three low Proposals, that, by filing its Proposal together with such Bid Bond or check in consideration of the Owner's receiving and considering such Proposals, said Proposal shall be firm and binding upon each such Bidder and such Bid Bond or check shall be held by the Owner until a Proposal is accepted and a satisfactory Contractor's Bond is furnished (where required) by the successful Bidder and such acceptance has been approved by the Administrator, or for a period not to exceed sixty (60) days from the date hereinbefore set for the opening of Proposals, whichever period shall be the shorter. If such Proposal is not one of the three low Proposals, the Bid Bond or check will be returned in each instance within a period of ten (10) days to the Bidder furnishing same.~~
8. **Contractor's Bond.** For a Contract in excess of \$100,000, the Bidder agrees to furnish a Contractor's Bond in triplicate in the form attached hereto with sureties listed by the United States Treasury Department as Acceptable Sureties, in a penal sum not less than the contract price.
9. ~~**Failure to Furnish Contractor's Bond.** Should the successful Bidder fail or refuse to execute such counterparts or to furnish a Contractor's Bond (where required) within ten (10) days after written notification of the acceptance of the Proposal by the Owner, the Bidder will be considered to have abandoned the Proposal. In such event, the Owner shall be entitled (a) to enforce the Bid Bond in accordance with its terms, or (b) if a certified check has been delivered with the Proposal, to retain from the proceeds of the certified check, the difference (not exceeding the amount of the certified check) between the amount of the Proposal and such larger amount for which the Owner may in good faith contract with another party to construct the project. The term "Successful Bidder" shall be deemed to include any Bidder whose Proposal is accepted after another Bidder has previously refused or has been unable to execute the counterparts or to furnish a satisfactory Contractor's Bond (where required.)~~
10. **Evaluation Factors.** In estimating the lowest cost to the Owner as one of the factors in deciding the award of the Contract, the Owner will consider, in addition to the price quoted in the Proposals, the following:
 - a) If the Proposal contains a provision for "escalation" or increase of the base price quoted, the maximum amount possible under such escalation shall be stated and will be used for price comparison.
 - b) Evaluation of equipment proposed as defined in specifications.
11. **Debarment Certification.** The Bidder must provide to the Owner a suspension and debarment certificate in the form attached hereto.
12. **Contract is Entire Agreement.** The Contract to be effected by the acceptance of the Proposal shall be deemed to include the entire agreement between the parties thereto, and the Bidder shall not claim any modifications thereof resulting from any representation or promise made at any time by any officer, agent or employee of the Owner or by any other person.
13. **Minor Irregularities.** The Owner reserves the right to waive minor irregularities or minor errors in any Proposal, if it appears to the Owner that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the Proposal in which they occur prior to the acceptance thereof by the Owner.
14. **Bid Rejection.** The Owner reserves the right to reject any or all Proposals.
15. **Definition of Terms.** The terms "Administrator," "Engineer," "Completion of Construction," and "Completion of the Project" as used throughout this Contract shall be as defined in Article VI, Section 1, of the Proposal. Refer to General Conditions, Article 1 for additional definition of terms.

16. The Owner Represents:

a. If by provisions of the Proposal the Owner shall have undertaken to furnish any materials for the construction of the project, such materials are on hand at locations specified or if such materials are not on hand they will be made available by the Owner to the successful Bidder at the locations specified before the time such materials are required for construction.

b. All funds necessary for prompt payment for the construction of the project will be available.

If the Owner shall fail to comply with any of the undertakings contained in the foregoing representation or if any of such representations shall be incorrect, the Bidder will be entitled to an extension of time of completion for a period equal to the delay, if any, caused by the failure of the Owner to comply with such undertakings or by any such incorrect representation; provided the Bidder shall have promptly notified the Owner in writing of its desire to extend the time of completion in accordance with the foregoing, provided, however, that such extension, if any, of the time of completion shall be the sole remedy of the Bidder for the Owner's failure, because of conditions beyond the control and without the fault of the Owner, to furnish materials in accordance with subparagraph a above

East Kentucky Power Cooperative, Inc.

Owner

By Randy J. Jale

Vice President Production

Title

September 23, 2005
Date

PROPOSAL

PSC Request 1a.
Attachment No. 17
PAGE 18

TO:

East Kentucky Power Cooperative, Inc.

(hereinafter called the "Owner").

ARTICLE I--GENERAL

Section 1. Offer to Construct. *The undersigned (hereinafter called the "Bidder") hereby proposes to receive and install such materials and equipment as may hereinafter be specified to be furnished by the Owner, and to furnish all other materials and equipment, all machinery, tools, labor, transportation and other means required to construct the project in strict accordance with the Plans, Specifications and Construction Drawings for the prices hereinafter stated.*

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

See Section 00410 - Proposal Form.

Section 2. Purchase of Materials. *The Bidder will purchase all materials and equipment (other than Owner Furnished Materials) outright and not subject to any conditional sales agreements, bailment, lease or other agreement reserving unto the seller any right, title or interest therein. All such materials and equipment shall be new and become the property of the Owner when erected in place.*

Section 3: Description of Contract. *The Notice and Instructions to Bidders, Plans, Specifications, and Construction Drawings, which by this reference are incorporated herein, together with the Proposal and Acceptance constitute the Contract. The Plans, Specifications, and Construction Drawings, including maps, special drawings, and approved modifications in standard specifications are attached hereto and identified as follows:*

Contract F211 - Coal and Limestone Handling

Spurlock Station - Unit 4

Maysville, Kentucky

Section 4. Due Diligence. *The Bidder has made a careful examination of the site of the project to be constructed and of the Plans, Specifications, Construction Drawings, and form of Contractor's Bond attached hereto, and has become informed as to the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, and the kind of facilities required before and during the construction of the project, and has become acquainted with the labor conditions, federal, state, and local laws, rules, and regulations applicable to its performance.*

Section 5. License. *The Bidder warrants that a Contractor's License is _____, is not required, and if required,*

it possesses Contractor's License No _____ for the State of _____
in which the project is located and said license expires on _____, 20____.

Section 6. Warranty of Good Faith. *The Bidder warrants that this Proposal is made in good faith and without collusion or connection with any person or persons bidding for the same work*

Section 7. Financial Resources.

- a. *The Bidder warrants that it has or will obtain the financial resources necessary to ensure completion of the project*
- b. *The Bidder agrees that in the event this Proposal is accepted and a Contractor's Bond is required, it will furnish a Contractor's Bond in the form attached hereto, in a penal sum not less than the maximum Contract price, with a surety or sureties listed by the United States Department of Treasury as Acceptable Sureties.*

~~**Section 8. Taxes.** *The prices in this Proposal include provisions for the payment of all monies which will be payable by the Bidder or the Owner in connection with the construction of the project on account of taxes imposed by any taxing authority upon the sale, purchase or use of materials, supplies and equipment, or services or labor of installation thereof, to be incorporated in the project. The Bidder agrees to pay all such taxes, except taxes upon the sale, purchase or use of Owner-Furnished Materials. The Bidder will furnish to the appropriate taxing authorities all required information and reports pertaining to the project, except as to the Owner-Furnished Materials. See Section 00210 - Supplementary Instructions to Bidders.*~~

ARTICLE II--CONSTRUCTION

Section 1. Time and Manner of Construction.

- a. *The Bidder agrees to commence construction of the project on a date (hereinafter called the "Commencement Date") which shall be determined by the Engineer after notice to the bidder in writing of approval of the contract by the Administrator, if approval of the Administrator is required, and notice in writing from the Bidder that the Bidder has sufficient materials to warrant commencement and continuation of construction, but in no event will the Commencement Date be of Notice to Proceed later than _____ 10 _____ calendar days after date of approval of the contract by the Administrator, if approval of the Administrator is required. The Bidder further agrees to prosecute diligently and to complete construction in strict accordance with the Plans, Specifications and Construction Drawings within July 10, 2007, _____ calendar days after Commencement Date.*
- b. *The time for Completion of Construction shall be extended for the period of any reasonable delay which is due exclusively to causes beyond the control and without the fault of the Bidder, including Acts of God, fires, floods, inability to obtain materials and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible: Provided, however that no such extension of time for completion shall be granted the Bidder unless within ten (10) days after the happening of any event relied upon by the Bidder for such an extension of time the Bidder shall have made a request therefore in writing to the Owner, and provided further that no delay in such time of completion or in the progress of the work which results from any of the above causes except acts or omissions of the Owner, shall result in any liability on the part of the Owner.*
- c. *The Owner, acting through the Engineer with the approval of the Administrator, if approval of the Administrator is required, may from time to time during the progress of the construction of the project make such changes, additions or subtractions from the Plans, Specifications, Construction Drawings, and sequence of construction as conditions may warrant: Provided, however, that if*

any change in the construction to be done shall require an extension of time, a reasonable extension will be granted if the Bidder shall make a written request therefore to the Owner within (10) days after any such change is made. And provided further, that if the cost to the Bidder of construction of the project shall be materially increased by any such change or addition, the Owner shall pay the Bidder for the reasonable cost thereof in accordance with a Construction Contract Amendment signed by the Owner and the Bidder and approved by the Administrator, if approval by the Administrator is required, but no claim for additional compensation for any such change or addition will be considered unless the Bidder shall have made a written request therefore to the Owner prior to the commencement of work in connection with such change or addition.

Section 2. Environmental Protection. *The Bidder shall perform the work in compliance with all applicable Federal, State, and local Environmental Laws. For purposes of this Agreement, the term "Environmental Laws" shall mean all Federal, state, and local laws including statutes, regulations, ordinances, codes, rules, and other governmental restriction and requirements relating to the environment or solid waste, hazardous substances, hazardous waste, toxic or hazardous material, pollutants or contaminants including, but not limited to the Comprehensive Environmental Response, Compensation, and Liability Act, as amended, 42 U.S.C. §§ 9601, et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251, et seq., and the Solid Waste Disposal Act, as amended, 42 U.S.C. §§ 6901, et seq., now or at any time hereafter in effect.*

Section 3. Tools, Equipment, and Qualified Personnel. *The Bidder agrees that in the event this Proposal is accepted it will make available for use in connection with the proposed construction all necessary tools and equipment and qualified supervisors and workers*

Section 4. Supervision and Inspection.

- a. *The Bidder shall give sufficient supervision to the work, using its best skill and attention. The Bidder will carefully study and compare all drawings, specifications and other instructions and will at once report to the Owner any error, inconsistency or omission which it may discover. The Bidder shall cause the construction work on the project to receive constant supervision by a competent superintendent (hereinafter called the "Superintendent") who shall be present at all times during working hours where construction is being carried on. The Bidder shall also employ, in connection with the construction of the project, capable, experienced and reliable supervisors and such skilled workers as may be required for the various classes of work to be performed. The Bidder shall be solely responsible for the means and methods of construction and for the supervision of the Bidder's employees.*
- b. *The Owner reserves the right to require the removal from the project of any employee of the Bidder if in the judgment of the Owner such removal shall be necessary in order to protect the interest of the Owner. The Owner shall have the right to require the Bidder to increase the number of its employees and to increase or change the amount or kind of tools and equipment if at any time the progress of the work shall be unsatisfactory to the Owner; but the failure of the Owner to give any such directions shall not relieve the Bidder of its obligations to complete the work within the time and in the manner specified in this Proposal.*
- c. *The construction of the project and all materials and equipment used therein, shall be subject to the inspection, tests, and acceptance by the Owner and the Administrator and the Bidder shall furnish all information required by the Owner or by the Administrator concerning the nature or source of any materials incorporated or to be incorporated in the project. All Bidder procedures and records pertaining to the work shall be made available to the Owner and the Administrator for review prior to such inspections and tests. The Bidder shall provide all reasonable facilities necessary for such inspection and tests and shall maintain an office at the site of the project, with telephone service where obtainable and at least one office employee to whom communications from the Owner may be delivered. Delivery of such communications in writing to the employee of the Bidder at such office shall constitute delivery to the Bidder. The Bidder shall have an authorized agent accompany the Engineer when final inspection is made and, if requested by the Owner, when any other inspection is made. The performance of such inspections or tests by the*

Owner or the Administrator shall not relieve the Bidder of its obligations to perform the work in accordance with the requirements of this Contract.

- d. In the event that the Owner, or the Administrator, shall determine that the construction contains or may contain numerous defects, it shall be the duty of the Bidder and the Bidder's Surety or Sureties, if any, to have an inspection made by an engineer approved by the Owner and the Administrator, if approval by the Administrator is required, for the purpose of determining the exact nature, extent and location of such defects
- e. The Engineer may recommend to the Owner that the Bidder suspend the work wholly or in part for such period or periods as the Engineer may deem necessary due to unsuitable weather or such other conditions as are considered unfavorable for satisfactory prosecution of the work or because of the failure of the Bidder to comply with any of the provisions of the Contract: Provided, however, that the Bidder shall not suspend work pursuant to this provision without written authority from the Owner so to do. The time of completion hereinabove set forth shall be increased by the number of days of any such suspension, except when such suspension is due to the failure of the Bidder to comply with any of the provisions of this Contract. In the event that work is suspended by the Bidder with the consent of the Owner, the Bidder before resuming work shall give the Owner at least twenty-four (24) hours notice thereof in writing.

Section 5. Defective Materials and Workmanship.

- a. The acceptance of any materials, equipment (except Owner Furnished Materials) or any workmanship by the Owner or the Engineer shall not preclude the subsequent rejection thereof if such materials, equipment, or workmanship shall be found to be defective after delivery or installation, and any such materials, equipment or workmanship found defective before final acceptance of the construction shall be replaced or remedied, as the case may be, by and at the expense of the Bidder. Any such condemned material or equipment shall be immediately removed from the site of the project by the Bidder at the Bidder's expense. The Bidder shall not be entitled to any payment hereunder so long as any defective materials, equipment or workmanship in respect to the project, of which the Bidder shall have had notice, shall not have been replaced or remedied, as the case may be.
- b. Notwithstanding any certificate which may have been given by the Owner or the Engineer, if any materials, equipment (except Owner Furnished Materials) or any workmanship which does not comply with the requirements of this Contract shall be discovered within one (1) year after Completion of Construction of the project, the Bidder shall replace such defective materials or equipment or remedy any such defective workmanship within thirty (30) days after notice in writing of the existence thereof shall have been given by the Owner. If any such defective materials, equipment, or workmanship so replaced or repaired is found to be defective within one year after the completion of the replacement or repair, the Bidder shall replace or remedy such defective materials, equipment, or workmanship. In the event of failure by the Bidder so to do, the Owner may replace such defective materials or equipment or remedy such defective workmanship, as the case may be, and in such event the Bidder shall pay to the Owner the cost and expense thereof.

ARTICLE III--PAYMENTS AND RELEASE OF LIENS

Section 1. Payments to Bidder.

- a. On or before the fifth (5) day of each calendar month, the Bidder will make application for payment, and the Owner, on or before the fifteenth (15) day of such month, shall make partial payment to the Bidder for construction accomplished during the preceding calendar month and certified to by the Bidder, recommended by the Engineer and approved by the Owner solely for the purposes of payment: Provided, however, that such approval shall not be deemed approval of the workmanship or materials. Only ninety percent (90%) of each such estimate approved during the construction of the project shall be paid by the Owner to the Bidder prior to Completion of the

project. Upon completion by the Bidder of the construction of the project, the Engineer will inspect the work performed hereunder. If the Engineer finds the work acceptable and all provisions hereunder fully performed, the Engineer will so certify to the Owner. Upon the approval by the Owner and the Administrator, if the approval of the Administrator is required, of a Certificate of Completion in the form attached hereto, showing the total cost of the construction performed, the Owner shall make payment to the Bidder of all amounts to which the Bidder shall be entitled thereunder which shall not have been paid. Provided, however, that such final payment shall be made not later than ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, unless withheld because of the fault of the Bidder. Refer to Standard General Conditions, Article 14.07.

- b. Interest at the rate of ~~five~~^{six} and one-half percent (~~5~~⁶-1/2%) per annum shall be paid by the Owner to the Bidder on all unpaid balances due on monthly estimates, commencing fifteen (15) days after the due date; provided the delay in payment beyond the due date is not caused by any condition within the control of the Bidder. The due date for purposes of such monthly payment or interest on all unpaid balances shall be the fifteenth (15) day of each calendar month provided (1) the Bidder on or before the fifth (5) day of such month shall have submitted its certification of Construction Units completed during the preceding month and (2) the Owner on or before the fifteenth (15) day of such month shall have approved such certification. If, for reasons not due to the Bidder's fault, such approval shall not have been given on or before the fifteenth (15) day of such month, the due date for purposes of this subsection b shall be the fifteenth (15) day of such month notwithstanding the absence of the approval of the certification
- c. Interest at the rate of ~~five~~^{six} and one-half percent (~~5~~⁶-1/2%) per annum shall be paid by the Owner to the Bidder on the final payment for the project, commencing fifteen (15) days after the due date. The due date for purposes of such final payment or interest on all unpaid balances shall be the date of approval by the Owner of all of the documents requiring such approval, as a condition precedent to the making of final payment, or ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, whichever date is earlier.
- d. No payment shall be made to the Bidder for materials or labor involved in correcting errors or omissions on the part of the Bidder which result in construction not in accordance with the Plans and Specifications.
- e. No payment shall be due while the Bidder is in default in respect of any of the provisions of this Contract and the Owner may withhold from the Bidder the amount of any claim by a third party against either the Bidder or the Owner based upon an alleged failure of the Bidder to perform the work hereunder in accordance with the provisions of this Contract.
- f. The Owner and the Administrator shall have the right to inspect all payrolls, invoices of materials, and other data and records of the Bidder and of any subcontractor, relevant to the construction of the project.

Section 2. Release of Liens and Certificate of Contractor. Upon the completion by the Bidder of the construction of the project but prior to final payment to the Bidder, the Bidder shall deliver to the Owner, in duplicate, releases of all liens and of rights to claim any lien, in the form attached hereto from all manufacturers, material suppliers, and subcontractors furnishing services or materials for the project and a certificate in the form attached hereto to the effect that all labor used on or for the project has been paid and that all such releases have been submitted to the Owner.

Section 3. Payments to Material Suppliers and Subcontractors. The Bidder shall pay each material supplier, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed

¹ The Owner shall insert a rate equal to the lowest "Prime Rate" listed in the "Money Rates" section of the Wall Street Journal on the date such invitation to bid is issued.

² See Footnote 1.

the Bidder for and on account of materials furnished or construction performed by each material supplier or each subcontractor.

ARTICLE IV--PARTICULAR UNDERTAKINGS OF THE BIDDER

Section 1. Protection to Persons and Property. *The Bidder shall at all times take all reasonable precautions for the safety of employees on the work and of the public, and shall comply with all applicable provisions of federal, state, and local laws, rules, and regulations and building and construction codes, in addition to the safety rules and procedures of the Owner.*

The following provisions shall not limit the generality of the above requirements:

- ▲ "broom clean" and
- a. *The Bidder shall at all times keep the premises free from accumulations of waste materials or rubbish caused by its employees or work, and at the completion of the work the Bidder shall remove all rubbish from and about the Project and all its tools, scaffolding and surplus materials and shall leave the work "broom clean". The Bidder shall dispose of waste material ~~by burying it on the work site or in a manner approved by local authorities, but shall not dispose of any waste materials or rubbish by open burning~~. The Bidder shall provide chemical sanitary facilities which may be required.*
 - b. *The Bidder shall transport and store all material in facilities and vehicles which are designed to protect the material from damage. The Bidder shall ensure that all vehicles, trailers, and other equipment used comply with all applicable licensing, traffic, and highway requirements.*
 - c. *The Bidder shall provide and maintain all such guard lights and other protection for the public as may be required by applicable statutes, ordinances and regulations or by local conditions*
 - d. *The project, from the commencement of work to completion, or to such earlier date or dates when the Owner may take possession and control in whole or in part as hereinafter provided shall be under the charge and control of the Bidder and during such period of control by the Bidder all risks in connection with the construction of the project and the materials to be used therein shall be borne by the Bidder. The Bidder shall make good and fully repair all injuries and damages to the project or any portion thereof under the control of the Bidder by reason of any act of God or other casualty or cause whether or not the same shall have occurred by reason of the Bidder's negligence.*
 - (i) *To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all claims, causes of action, losses, liabilities, and expenses (including reasonable attorney's fees) for personal loss, injury, or death to persons (including but not limited to Bidder's employees) and loss, damage to or destruction of Owner's property or the property of any other person or entity (including but not limited to Bidder's property) in any manner arising out of or connected with the Contract, or the materials or equipment supplied or services performed by Bidder, its subcontractors and suppliers of any tier. But nothing herein shall be construed as making Bidder liable for any injury, death, loss, damage, or destruction caused by the sole negligence of Owner.*
 - (ii) *To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all liens and claims filed or asserted against Owner, its directors, officers, and employees, or Owner's property or facilities, for services performed or materials or equipment furnished by Bidder, its subcontractors and suppliers of any tier, and from all losses, demands, and causes of action arising out of any such lien or claim. Bidder shall promptly discharge or remove any such lien or claim by bonding, payment, or otherwise and shall notify Owner promptly when it has done so. If Bidder does not cause such lien or claim to be discharged or released by payment, bonding, or otherwise, Owner shall have the right (but shall not be obligated) to*

pay all sums necessary to obtain any such discharge or release and to deduct all amounts so paid from the amount due Bidder.

- (iii) Bidder shall provide to Owner's satisfaction evidence of Bidder's ability to comply with the indemnification provisions of subparagraphs i and ii above, which evidence may include but may not be limited to a bond or liability insurance policy obtained for this purpose through a licensed surety or insurance company.*
- e. Upon violation by the Bidder of any of the provisions of this section, after written notice of such violation given to the Bidder by the Engineer or the Owner, the Bidder shall immediately correct such violation. Upon failure of the Bidder so to do the Owner may correct such violation at the Bidder's expense: Provided, however, that the Owner may, if it deems it necessary or advisable, correct such violation at the Bidder's expense without such prior notice to the Bidder.*
- f. The Bidder shall submit to the Owner monthly reports in duplicate of all accidents, giving such data as may be prescribed by the Owner.*

Section 2. Insurance. *The Bidder shall take out and maintain throughout the period of this Agreement the following types and minimum amounts of insurance:*

- a. Workers' compensation and employers' liability insurance, as required by law, covering all its employees who perform any of the obligations of the Bidder under the contract. If any employer or employee is not subject to the workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.*
- b. Public liability insurance covering all operations under the contract shall have limits for bodily injury or death of not less than \$1 million each occurrence, limits for property damage of not less than \$1 million each occurrence, and \$1 million aggregate for accidents during the policy period. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.*
- c. Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million per person and \$1 million each occurrence, and property damage limits of \$1 million for each occurrence. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.*

The Owner shall have the right at any time to require public liability insurance and property damage liability insurance greater than those required in subsection "b" and "c" of this Section. In any such event, the additional premium or premiums payable solely as the result of such additional insurance shall be added to the Contract price.

The Owner shall be named as Additional Insured on all policies of insurance required in subsections "b" and "c" of this Section.

The policies of insurance shall be in such form and issued by such insurer as shall be satisfactory to the Owner. The Bidder shall furnish the Owner a certificate evidencing compliance with the foregoing requirements which shall provide not less than (30) days prior written notice to the Owner of any cancellation or material change in the insurance.

Section 3. Delivery of Possession and Control to Owner. *Upon written request of the Owner the Bidder shall deliver to the Owner full possession and control of any portion of the project provided the Bidder shall have been paid at least ninety percent (90%) of the cost of construction of such portion. Upon such delivery of the possession and control of any portion of the project to the Owner, the risk and*

obligations of the Bidder as set forth in Article IV, Section 1 d hereof with respect to such portion of the project so delivered to the Owner shall be terminated; Provided, however, that nothing herein contained shall relieve the Bidder of any liability with respect to defective materials and workmanship as contained in Article II, Section 5 hereof.

Section 4. Assignment of Guarantees. *All guarantees of materials and workmanship running in favor of the Bidder shall be transferred and assigned to the Owner prior to the time the Bidder receives final payment.*

ARTICLE V--REMEDIES

Section 1. Completion on Bidder's Default. *If default shall be made by the Bidder or by any subcontractor in the performance of any of the terms of this Proposal, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Bidder and the Surety or Sureties, if any, upon the Contractor's Bond or Bonds a written notice requiring the Bidder to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Bidder such default shall be corrected or arrangements for the correction thereof satisfactory to both the Owner and the Administrator shall be made by the Bidder or its Surety or Sureties, if any, the Owner may take over the construction of the project and prosecute the same to completion by Contract or otherwise for the account and at the expense of the Bidder, and the Bidder and its Surety or Sureties, if any, shall be liable to the Owner for any cost or expense in excess of the Contract price occasioned thereby. In such event the Owner may take possession of and utilize, in completing the construction of the project, any materials, tools, supplies, equipment, appliances, and plant belonging to the Bidder or any of its subcontractors, which may be situated at the site of the project. The Owner in such contingency may exercise any rights, claims or demands which the Bidder may have against third persons in connection with this Contract and for such purpose the Bidder does hereby assign, transfer and set over unto the Owner all such rights, claims and demands.*

Section 2. Liquidated Damages. *The time of the Completion of Construction of the project is of the essence of the Contract. Should the Bidder neglect, refuse or fail to complete the construction within the time herein agreed upon, after giving effect to extensions of time, if any, herein provided, then, in that event and in view of the difficulty of estimating with exactness damages caused by such delay, the Owner shall have the right to deduct from and retain out of such moneys which may be then due, or which may become due and payable to the Bidder the sum of Five Thousand dollars (\$5,000) per day for each and every day that such construction is delayed in its completion beyond the specified time, as liquidated damages and not as a penalty; if the amount due and to become due from the Owner to the Bidder is insufficient to pay in full any such liquidated damages, the Bidder shall pay to the Owner the amount necessary to effect such payment in full: Provided, however, that the Owner shall promptly notify the Bidder in writing of the manner in which the amount retained, deducted or claimed as liquidated damages was computed, to a maximum of 10% of the Contract Price.*

Section 3. Cumulative Remedies. *Every right or remedy herein conferred upon or reserved to the Owner or the Government or the Administrator shall be cumulative, shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute and the pursuit of any right or remedy shall not be construed as an election: Provided, however, that the provisions of Section 2 of this Article shall be the exclusive measure of damages for failure by the Bidder to complete the construction of the project within the time herein agreed upon.*

ARTICLE VI--MISCELLANEOUS

Section 1. Definitions. Refer to the General Conditions.

- a. *The term "Administrator" shall mean the Administrator of the Rural Utilities Service of the United States of America and his or her duly authorized representative or any other person in whom or authority in which may be vested the duties and functions which the Administrator is now authorized by law to perform.*

- b. *The term "Engineer" shall mean the Engineer employed by the Owner, to provide engineering services for the project and said Engineer's duly authorized assistants and representatives.*
- c. *The term "Completion of Construction" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof except the Bidder's obligations in respect of Releases of Liens and Certificate of Contractor under Article III, Section 2 hereof and other final documents. The term "Completion of the Project" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof. The Certificate of Completion, signed by the Engineer and approved in writing by the Owner and the Administrator, if approval by the Administrator is required, shall be the sole and conclusive evidence as to the date of Completion of Construction and as to the fact of Completion of the Project.*

Section 2. Materials and Supplies. *In the performance of this contract there shall be furnished only such unmanufactured articles, materials, and supplies as have been mined or produced in the United States or in any eligible country, and only such manufactured articles, materials, and supplies as have been manufactured in the United States or in any eligible country substantially all from articles, materials, or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country; provided that other articles, materials, or supplies may be used in the event and to the extent that the Administrator shall expressly in writing authorize such use pursuant to the provisions of the Rural Electrification Act of 1938, being Title IV of Public Resolution No. 122, 75th Congress, approved June 21, 1938. For the purposes of this section, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative. The Bidder agrees to submit to the Owner such certificates with respect to compliance with the foregoing provision as the Administrator from time to time may require.*

Section 3. Patent Infringement. *The Bidder shall hold harmless and indemnify the Owner ^{and Engineer} from any and all claims, suits and proceedings for the infringement of any patent or patents covering any materials or equipment used in construction of the project.*

Section 4. Permits for Explosives. *All permits necessary for the handling or use of dynamite or other explosives in connection with the construction of the project shall be obtained by and at the expense of the Bidder.*

Section 5. Compliance with Laws. *The Bidder shall comply with all federal, state, and local laws, rules, and regulations applicable to its performance under the contract and the construction of the project. The Bidder acknowledges that it is familiar with the Rural Electrification Act of 1936, as amended, the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq), and 18 U.S.C. §§ 286, 287, 641, 661, 874, 1001, and 1366, as amended.*

The Bidder represents that to the extent required by Executive Orders 12549 (3 CFR, 1985-1988 Comp., p. 189) and 12689 (3 CFR, 1989 Comp., p. 235), Debarment and Suspension, and 7 CFR part 3017, it has submitted to the Owner a duly executed certification in the form prescribed in 7 CFR part 3017.

The Bidder represents that, to the extent required, it has complied with the requirements of Pub. L. 101-121, Section 319, 103 Stat. 701, 750-765 (31 U.S.C. 1352), entitled "Limitation on use of appropriated funds to influence certain Federal contracting and financial transactions," and any rules and regulations issued pursuant thereto.

Section 6. Equal Opportunity Provisions.

a. Bidder's Representations.

The Bidder represents that:

It has X, does not have , 100 or more employees, and if it has, that it has X, has not , furnished the Equal Employment Opportunity-Employers Information Report EEO-I, Standard Form 100, required of employers with 100 or more employees pursuant to Executive Order 11246 of September 24, 1965, and Title VII of the Civil Rights Act of 1964.

The Bidder agrees that it will obtain, prior to the award of any subcontract for more than \$10,000 hereunder to a subcontractor with 100 or more employees, a statement, signed by the proposed subcontractor, that the proposed subcontractor has filed a current report on Standard Form 100.

The Bidder agrees that if it has 100 or more employees and has not submitted a report on Standard Form 100 for the current reporting year and that if this Contract will amount to more than \$10,000, the Bidder will file such report, as required by law, and notify the owner in writing of such filing prior to the Owner's acceptance of this Proposal.

b. Equal Opportunity Clause. During the performance of this Contract, the Bidder agrees as follows:

(1) The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Bidder will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotions or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection of training, including apprenticeship. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this Equal Opportunity Clause.

(2) The Bidder will, in all solicitations or advertisements for employees placed by or on behalf of the Bidder, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

(3) The Bidder will send to each labor union or representative of workers, with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the Bidder's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The Bidder will comply with all provisions of Executive Order 11246 of September 24, 1965, and the rules, regulations and relevant orders of the Secretary of Labor.

(5) The Bidder will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the Bidder's noncompliance with the Equal Opportunity Clause of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part, and the Bidder may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of

September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as provided by law

(7) *The Bidder will include this Equal Opportunity Clause in every subcontract or purchase order unless exempted by the rules, regulations, or order of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Bidder will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; Provided, however, that in the event Bidder becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Bidder may request the United States to enter into such litigation to protect the interests of the United States.*

(8) *Refer to Standard General Conditions, Article 6.09, paragraph E.*

- c. *Certificate of Nonsegregated Facilities. The Bidder certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this Contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Bidder agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that it will retain such certifications in its files.*

Section 7. Nonassignment of Contract. *The Bidder shall perform directly and without subcontracting not less than twenty-five percent (25%) of the construction of the project, to be calculated on the basis of the total Contract price. The Bidder shall not assign the Contract effected by an acceptance of this Proposal or any interest in any funds that may be due or become due hereunder or enter into any contract with any person, firm or corporation for the performance of the Bidder's obligations hereunder or any part thereof, without the approval in writing of the Owner and of the Surety or Sureties, if any, on any bond furnished by the Bidder for the faithful performance of the Bidder's obligations hereunder. If the Bidder, with the consent of the Owner and any Surety or Sureties on the Contractor's Bond or Bonds, shall enter into a subcontract with any subcontractor for the performance of any part of this Contract, the Bidder shall be as fully responsible to the Owner and the Government for the acts and omissions of such subcontractor and of persons employed by such subcontractor as the Bidder would be for its own acts and omissions and those of persons directly employed by it.*

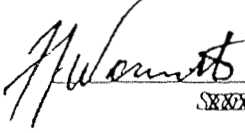
Section 8. Successors and Assigns. *Each and all of the covenants and agreements herein contained shall extend to and be binding upon the successors and assigns of the parties hereto. The Owner and Bidder acknowledge that this Contract is assigned to the Government, acting through the Administrator, for security purposes under the Owner's mortgage and security instrument.*

Section 9. Independent Contractor. *The Bidder shall perform the work as an independent contractor, not as a subcontractor, agent, or employee of the Owner. Upon acceptance of this Proposal, the successful Bidder shall be the Contractor and all references in the Proposal to the Bidder shall apply to the Contractor.*

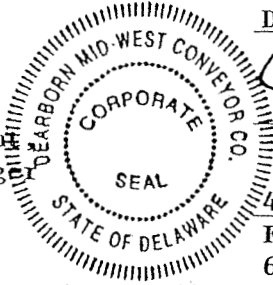
Section 10. Approval by the Administrator: *This contract does X , does not , require approval of the Administrator. No acceptance of a Proposal for a contract upon which approval of the Administrator*

is required shall become effective until the contract has been approved by the Administrator, provided that no obligation shall arise hereunder unless such approval is given within one-hundred twenty (120) days after the date set for the opening of the proposals. The acceptance of a Proposal for a contract upon which approval of the Administrator is not required shall become effective the date of acceptance by the Owner.

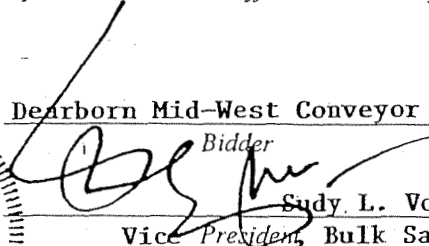
ATTEST:


Frank Warmoth
~~XXXXXX~~ Vice President
General Manager

Dated January 16, 2006



Dearborn Mid-West Conveyor Co.


Bidder
Sudy L. Vohra
Vice President, Bulk Sales

4220 Shawnee Mission Pwky, 301B
Fairway, KS Address
66205

The Proposal must be signed with the full name of the Bidder. If the Bidder is a partnership, the Proposal must be signed in the partnership name by a partner. If the Bidder is a corporation, the Proposal must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

ACCEPTANCE

PSC Request 1a.
Attachment No. 17
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Subject to the approval of the Administrator, if approval of the Administrator is required, the Owner hereby accepts the foregoing Proposal of the Bidder, Dearborn Midwest Conveyor Company, for the construction of the following:

Coal and Limestone Handling System for Spurlock Unit 4

for a total contract price of \$ [REDACTED] ([REDACTED] dollars)

East Ky Power Cooperative, Inc.
Owner

By Lay M. Palk
President

Della G. Dawson, Forand
Secretary
behalf of the Corporate Secretary

April 11, 2006
Date of Contract

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Rural Utilities Service

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CERTIFICATE OF CONTRACTOR

_____ certifies that he or she is the
_____ of _____,
TITLE NAME OF CONTRACTOR

the Contractor, in a Construction Contract No. _____

dated _____, 20____, entered into between the Contractor and
_____, RUS designation _____,
NAME OF RUS BORROWER

the Owner, and that he or she is authorized to and does make this certification on behalf of said Contractor in order to induce the Owner to make payment to the Contractor, in accordance with the provisions of said Construction Contract.

Undersigned further says that all persons who have furnished labor in connection with said construction have been paid in full, that the names of manufacturers, material suppliers, and subcontractors that furnished material or services or both in connection with such construction and the kind or kinds of material or services or both so furnished are:

NAME	KIND OF MATERIAL OR SERVICES
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

and that the releases of liens executed by all such manufacturer, material suppliers and subcontractors have been furnished the Owner.

_____ Date _____ President

This Certificate must be signed with the full name of the Contractor. If the Contractor is a partnership, this Certificate must be signed in the partnership name by a partner. If the Contractor is a corporation, this Certificate must be signed in the corporate name by a duly authorized officer.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0572-0107. The time required to complete this information collection is estimated to average 1 minute per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information

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WAIVER AND RELEASE OF LIEN

WHEREAS the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

has furnished to _____ the following:
NAME OF CONTRACTOR

_____ for
KIND OF MATERIAL AND SERVICES FURNISHED

use in the construction of a project belonging to _____,
NAME OF BORROWER

and designated by the Rural Utilities Service as _____
RUS DESIGNATION

NOW, THEREFORE, the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

for and in consideration of \$ _____, and other good and valuable consideration, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any and all liens, or right to or claim of lien, on the above described project and premises, under any law, common or statutory, on account of labor or materials, or both, heretofore or hereafter furnished by the undersigned to or for the account of

said _____ for said project only to the extent of payment received.
NAME OF CONTRACTOR

Given under my (our) hand(s) and seal(s) this _____ day of _____, 20 _____

Name Of Manufacturer, Material Supplier, or Subcontractor

By _____
President

This Waiver and Release of Lien must be signed with the full name of the Manufacturer, Material Supplier, or Subcontractor. If the Manufacturer, Material Supplier, or Subcontractor is a partnership, this Waiver and Release of Lien must be signed in the partnership name by a partner. If the Manufacturer, Material Supplier, or Subcontractor is a corporation, this Waiver and Release of Lien must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

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**BUY AMERICAN
CERTIFICATE**

With respect to compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938).

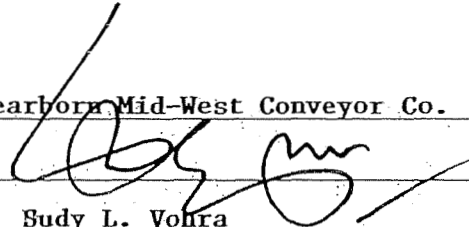
Rural Utilities Service Project Contract F211 – Coal and Limestone Handling. Spurlock Station – Unit 4

The undersigned, being, the Contractor ¹

in a certain contract No. F211 dated _____, _____, between the undersigned

and East Kentucky Power Cooperative ²,

does hereby certify that in the performance of the said contract there have been used or furnished no unmanufactured articles, materials or supplies which have not been mined or produced in the United States² or in any eligible country and no manufactured articles, materials or supplies which have not been manufactured in the United States or in any eligible country substantially all from articles, materials or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country, except to the extent that compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938) has been waived by the Administrator of the Rural Utilities Service. For purposes of this certificate, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative.³

Dearborn Mid-West Conveyor Co.
By 
Sudy L. Voltra
Vice President, Bulk Sales

Date January 16, 2006

¹ Insert "Contractor," "Subcontractor," "Seller," Or "Material Supplier," as the case may be
United States means United States, its territories and possessions.
A current list of eligible countries may be obtained by contacting RUS.

**CERTIFICATE OF COMPLETION
CONTRACT CONSTRUCTION**

(continued)

We, the undersigned Owner and Contractor, do hereby certify that:

- 1. The project has been completed in accordance with the provisions of the Construction Contract, dated _____, 20 _____, provided, however, that acceptance of the project by the Owner shall not be deemed to relieve the Contractor of its obligations contained in the Construction Contract with respect to defective workmanship or, materials discovered within one year after the date of completion*
- 2. If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of work performed in accordance with the Construction Contract.*

Date

Date

Owner

By _____
President

Name Of Contactor

By _____

Title

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CERTIFICATE OF COMPLETION - CONTRACT CONSTRUCTION

I, the undersigned Architect or Engineer of the following Rural Utilities Service project, do hereby certify that:

1. The construction provided for pursuant to Construction Contract No. _____, dated _____, 20____, including all approved amendments, between _____, RUS designation _____ ("Owner") and _____ ("Contractor") has been completed as of _____, 20____, and is in compliance with the provisions of the Construction Contract, including all plans, specifications, maps, and drawings and all modifications thereof.
2. Payment in full has been made to all persons who have furnished labor for the project.
3. The Contractor has obtained valid releases of lien from all manufacturers, material suppliers, and subcontractors furnishing services or materials which were employed by the Contractor in the performance of the Construction Contract, and that such releases have been delivered by the Contractor to the Owner.
4. If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of all work performed in accordance with the Construction Contract.
5. If applicable, the staking sheets and tabulation of staking sheets upon which the Final Inventory is based show the accurate location, number, and kind of till units of construction of the project and show all work performed in accordance with the Construction Contract.
6. All defects in workmanship and materials reported during the period of construction of the project have been corrected.
7. The total cost of the project as completed is _____ dollars (\$ _____).

Dated this _____ day of _____, 20____,

Date

Name of Architect or Engineer
By _____

Title

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Rural Utilities Service
CONTRACTOR'S BOND

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1. Know all men that we, _____ as
Principal, and _____ as Surety,
are held and firmly bound unto _____
(hereinafter called the "Owner") and unto the United States of America (hereinafter called the "Government")
and unto all persons, firms and corporations who or which may furnish materials for or perform labor on a
Rural Utilities Service project known as _____
and to their successors and assigns, in the penal sum of _____
dollars (\$ _____), as hereinafter set forth and for the payment of which sum well
and truly to be made we bind ourselves, our executors, administrators, successors and assigns jointly and
severally by these presents. Said project is described in a certain construction contract (hereinafter called the
"Construction Contract") between the Owner and the Principal, dated _____, 20 ____,
pursuant and subject to a certain loan contract (hereinafter called the "Loan Contract") between the Owner
and the Government, acting through the Administrator of the Rural Utilities Service (hereinafter called the
"Administrator")
2. The condition of this obligation is such that if the Principal shall well and truly perform and fulfill all the
undertakings, covenants, terms, conditions and agreements of the Construction Contract and any amendments
thereto, whether such amendments are for additions, decreases, or changes in materials, their quantity, kind or
price, labor costs, mileage, routing or any other purpose whatsoever, and whether such amendments are made
with or without notice to the Surety, and shall fully indemnify and save harmless the Owner and the
Government from all costs and damages which they, or either of them, shall suffer or incur by reason of any
failure so to do, and shall fully reimburse and repay the Owner and the Government for all outlay and expense
which they, or either of them shall incur in making good any such failure of performance on the part of the
Principal, and shall promptly make payment to all persons working on or supplying labor or materials for use
in the construction of the project contemplated in the Construction Contract and any amendments thereto, in
respect of such labor or materials furnished and used therein, to the full extent thereof, and in respect of such
labor or materials furnished but not so used, to the extent of the quantities estimated in the Construction
Contract and any amendments thereto to be required for the construction of the project, and shall well and
truly reimburse the Owner and the Government, as their respective interests may appear, for any excess in cost
of construction of said project over the cost of such construction as provided in the Construction Contract and
any amendments thereto, occasioned by any default of the Principal under the Construction Contract and any
amendments thereto, then this obligation shall be null and void, but otherwise shall remain in full force and
effect.
3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal
and separate amendments hereto, upon any amendment to the Construction Contract, so as to bind the
Principal and the Surety to the full and faithful performance of the Construction Contract as so amended,
provided only that the total amount of all increases in the cost of construction shall not exceed 20 percent of the
amount of the maximum price set forth in the Construction Contract. The term "Amendment," wherever used
in this bond, and whether referring to this bond, the Construction Contract or the Loan Contract shall include
any alteration, addition, extension, modification, amendment, rescission, waiver, release or annulment, of any
character whatsoever.
4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the
Principal and the Owner in the terms, provisions, covenants and conditions of the Construction Contract, or in
the terms, provisions, covenants and conditions of the Loan Contract (including, without limitation, the
granting by the Administrator to the Owner of any extension of time for the performance of the obligations of

the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Construction Contract, or the failure or refusal of the Administrator or the Owner to take any action, proceeding or step to enforce any remedy or exercise any right under either the Construction Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Construction Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them or their respective executors, administrators, successors or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted or permitted.

5. This bond is made for the benefit of all persons, firms and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed under the Construction Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they and each of them may sue hereon.

In witness whereof, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

_____ day of _____, 20_____

Principal (Seal)

ATTEST:

By _____

Secretary

Surety (Seal)

ATTEST:

By _____

Secretary

Address of Surety's Home Office

By _____
Resident Agent of Surety

Signatures: The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by a partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended

Power of Attorney: The Contractor's Bond must be accompanied by a power of attorney authorizing execution on behalf of the Surety and, in jurisdictions so requiring should be countersigned by a duly authorized resident agent of the Surety.

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1.01 COPIES OF BIDDING DOCUMENTS

- A. Complete sets of the Bidding Documents in the number and for the deposit sum, if any, stated in the Notice and Instructions to Bidders may be obtained from the Owner.
- B. Complete sets of Bidding Documents must be used in preparing Proposals; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- C. Owner and Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Proposals for the Work and do not confer a license or grant for any other use.

1.02 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

- A. Subsurface and physical conditions:
 - 1. General Conditions identify:
 - a. Those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Bidding Documents.
 - b. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in above will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.02 of the General Conditions has been identified and established in paragraph 4.02. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions or information contained in such reports or shown or indicated in such drawings.
- B. Underground Facilities: Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
- C. Hazardous Environmental Condition:
 - 1. General Conditions identify those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in paragraph 4.03.A of the General Conditions will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.06 of the General Conditions has been identified and established in paragraph 4.06. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.
- D. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in paragraphs 4.02, 4.03, and 4.04 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work appear in paragraph 4.06 of the General Conditions.

- E. On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.
- F. Reference is made to Article 7 of the General Conditions for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work for which a Proposal is to be submitted. On request, Owner will provide to each Bidder for examination access to or copies of Construction Contract – Generating (other than portions thereof related to price) for such other work.
- G. It is the responsibility of each Bidder before submitting a Proposal to:
1. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
 2. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
 3. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
 4. Carefully study all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and carefully study all reports and drawings of a Hazardous Environmental Condition, if any, at the Site which have been identified as provided in paragraph 4.06 of the General Conditions;
 5. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
 6. Agree at the time of submitting its Proposal that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Proposal for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
 7. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
 8. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
 9. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
 10. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- H. The submission of a Proposal will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Proposal is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

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1.03 PRE-BID CONFERENCE

- A. A pre-Bid conference will be held at 1:00 pm on October 25, 2005 at Spurlock Station. Representatives of Owner and Engineer will be present to discuss the Project. Bidders are required to attend and participate in the conference. Engineer will transmit to all prospective Bidders of record such Addenda as Engineer considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.

1.04 SITE AND OTHER AREAS

- A. The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents.

1.05 INTERPRETATIONS AND ADDENDA

- A. All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing.

Mr. Larry Shell
Stanley Consultants, Inc.
225 Iowa Avenue
Muscatine, IA 52761-3764
Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

- B. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents.
- C. Questions received less than 5 days prior to the date for opening of Proposals may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- D. Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner or Engineer.
- E. Owner will not consider requests for time extensions of the bidding period.

1.06 CONTRACT TIMES

- A. The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in Section 01110.

1.07 LIQUIDATED DAMAGES

- A. Provisions for liquidated damages, if any, are set forth in the Construction Contract - Generating.

1.08 SUBSTITUTE AND "OR-EQUAL" ITEMS

- A. The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or

equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Agreement. The procedure for submission of any such application by Contractor and consideration by Engineer is set forth in the General Conditions and may be supplemented in the General Requirements.

1.09 BASIS OF PROPOSAL; EVALUATION OF PROPOSALS

A. Lump Sum

1. Bidders shall submit a Proposal on a lump sum basis for the Base Bid and shall include a separate price for each alternate described in the Bidding Documents as provided for in the Proposal form. The price for each alternate will be the amount added to or deleted from the Base Bid if Owner selects the alternate.
2. In the evaluation of Proposals, alternates will be applied in the same order as listed in the Proposal form. Owner may select or reject each alternate as best serves its interests, and may use prices bid for each selected alternate in determining Successful Bidder.

B. The bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in paragraph 11.02 of the General Conditions.

C. Include total cost for services of Erecting Superintendent(s) in Proposal. See Contract Documents for specific requirements.

1.10 SUBMITTAL OF PROPOSALS

A. Proposal form is included with the Bidding Documents.

B. Each prospective Bidder is furnished one copy of the Bidding Documents. Proposal Form is to be completed and submitted with Section 00434 – Bidder Data and Information.

C. One original copy of the Proposal signed in blue ink and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner at the following address:

East Kentucky Power Cooperative, Inc.
Attention: Mr. Craig Johnson
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707
Telephone: 859.744.4812
Fax: 859.744.6008
E-mail: craig.johnson@ekpc.coop

D. One duplicate copy of the Proposal and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner at the following address:

East Kentucky Power Cooperative, Inc.
Attention: Ms. Diana Pulliam
P. O. Box 398, Route 8 West
Maysville, KY 41056
Telephone: 606.883.3367
Fax: 606-883-3438
E-mail: diana.pulliam@ekpc.coop

E. Two duplicate copies of the Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Engineer at the following address:

Stanley Consultants, Inc.
Attention: Mr. Larry Shell
225 Iowa Avenue
Muscatine, IA 52761-3764
Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

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- F. The name and address of the Bidder and the date and hour of the opening of Proposals must appear on the envelope in which the Proposal is submitted. All blanks on Proposal form shall be completed by printing in black ink or by typewriter. No alterations or interlineations will be permitted, unless made before submission and initialed and dated.
- G. Proposal shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Proposal Form.
- H. Any lump sum Proposal Price shall be stated in words and figures; in case of conflict, words take precedence.
- I. Names shall be typed or printed in ink below the signatures. Address and telephone number for communications regarding the Proposal shall be shown.
- J. Facsimile copies of Proposals will not be accepted.

1.11 MODIFICATION AND WITHDRAWAL OF PROPOSAL

- A. Proposal may be modified or withdrawn by an appropriate document duly executed in the manner that a Proposal must be executed and delivered to the place where Proposals are to be submitted prior to the date and time for the opening of Proposals.
- B. If within 24 hours after Proposals are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Proposal security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

1.12 SALES AND USE TAXES

- A. Prices set forth in the Proposal shall not include any sums which are, or may be, payable by the Bidder or the Owner on account of any Kentucky Sales or Use Tax upon the sale, purchase, or use of material, supplies, or equipment incorporated in the Project.
- B. Owner will be fully responsible to the Department of Revenue for any Kentucky Sales or Use Tax that may be applied as a direct consequence of the Project, and the Bidder shall not pay this Tax when purchasing materials, supplies, or equipment for the Project.
- C. When applicable, the Owner will provide the Bidder with appropriate exemption forms for the purchase of such materials, supplies, or equipment, and the Bidder will cooperate with the Owner in supplying pertinent data and information to assist the Owner in taking maximum advantage of Kentucky Sales and Use Tax exemptions. The Bidder agrees to state separately the cost of labor and materials, supplies or equipment incorporated in the Proposal.
- D. Any sales or use tax payable as a consequence of a failure on the part of the Bidder to comply with these provisions will be paid by the Bidder as an additional expense of the Bidder, and any amounts paid will not be reimbursable by the Owner.

1.13 UNIT ADJUSTMENT PRICES

- A. Submit unit adjustment prices for items listed in Proposal Form and described in Contract Documents.
- B. Owner may accept or reject proposed unit adjustment prices without invalidating remainder of Proposal or any Agreement based thereon.

END OF SECTION

PROJECT AND CONTRACT IDENTIFICATION

This Proposal pertains to Contract F211 – Coal and Limestone Handling for Spurlock Station Unit 4 Project, for East Kentucky Power Cooperative.

Article 1. BID RECIPIENT

1.1 This Proposal is submitted to: East Kentucky Power Cooperative, Inc.
Attn: Mr. Craig Johnson
P. O. Box 0707
4775 Lexington Road
Winchester, KY 40392-0707

1.2 The undersigned Bidder proposes and agrees, if this Proposal is accepted, to enter into a Contract with Owner in the form included in the Construction Contract - Generating to perform the Work as specified or indicated in the Construction Contract - Generating for the prices and within the times indicated in this Proposal and in accordance with the other terms and conditions of the Construction Contract - Generating.

Article 2. BIDDER'S ACKNOWLEDGMENTS

- 2.1 Bidder accepts all of the terms and conditions of the Notice and Instructions to Bidders, including without limitation those dealing with the disposition of bid security. The Proposal will remain subject to acceptance for 90 days after the Proposal opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 2.2 Bidder accepts the provisions of the Contract as to liquidated damages in the event of its failure to perform the Work in accordance with the schedule set forth in the Contract.

Article 3. BIDDER'S REPRESENTATIONS

3.1 In submitting this Proposal, Bidder represents, as set forth in the Contract, that:

3.1.1 Bidder has examined and carefully studied the Construction Contract - Generating, the other related data identified in the Construction Contract - Generating, and the following Addenda, receipt of all which is hereby acknowledged.

Addendum No.	Addendum Date
<u>1</u>	<u>November 21, 2005</u>
<u>2</u>	<u>December 20, 2005</u>
<u>3</u>	<u>January 4, 2006</u>

3.1.2 Bidder has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and

3.1.3 Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Construction Contract - Generating to be employed by Bidder, and safety precautions and programs incident thereto.

- 3.1.4 Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Construction Contract - Generating.
- 3.1.5 Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Construction Contract - Generating.
- 3.1.6 Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Construction Contract - Generating, and all additional examinations, investigations, explorations, tests, studies, and data with the Construction Contract - Generating.
- 3.1.7 Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Construction Contract - Generating, and the written resolution thereof by Engineer is acceptable to Bidder.
- 3.1.8 The Construction Contract - Generating is generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- 3.1.9 Bidder further represents that this Proposal is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

Article 4. BASIS OF BID

4.1 Bidder will perform the Work in accordance with the Construction Contract - Generating for the following price(s):

4.1.1 Lump Sum Base Bid Price:

_____ (words)

_____ (\$ _____) (figures)

4.1.2 Provide cost breakdown of Lump Sum Bid Price as follows:

Item	Cost
Conveyor SC4	\$ [REDACTED]
Drag chain reclaim feeder	\$ [REDACTED]
Dust collection and suppression equipment	\$ [REDACTED]
Conveyor PC-4 including floor modifications	\$ [REDACTED]
Conveyor LS-4 and bents	\$ [REDACTED]
Crusher No. 4, feeder and associated equipment	\$ [REDACTED]
Conveyor PC-3 tail and head relocation	\$ [REDACTED]
Crusher No. 3 discharge chute and limestone conveyor discharge chute modifications and associated equipment	\$ [REDACTED]
Crusher house framing, siding, and appurtenances	\$ [REDACTED]
Tripper Conveyor BC-4, Dust Collector DC-43, and associated equipment	\$ [REDACTED]
Unit 4 tripper carriage and associated equipment including fire protection equipment in tripper gallery	\$ [REDACTED]

Item	PAGE 46	Cost
Fire Protection Equipment:		
Conveyor PC-3		\$ [REDACTED]
Conveyor PC-4		\$ [REDACTED]
Conveyor LS-3		\$ [REDACTED]
Conveyor LS-4		\$ [REDACTED]
TOTAL (same as 4.1.1 above)		\$ [REDACTED]

4.1.3 Alternate No. 1 - Remove Conveyor Gallery LS3 (Add):

[REDACTED]
(words)
(\$ [REDACTED]).
(figures)

4.1.4 Alternate No. 2 - Provide Carbon Steel Chutes instead of Stainless Steel Chutes (Deduct):⁽¹⁾

~~Eighty six thousand seven hundred dollars~~
(words)
(\$ ~~86,700~~).
(figures)

4.1.5 Alternate No. 3 - Provide Fire Protection System In Existing Unit 3 Crusher Building (Add):⁽¹⁾

~~Two hundred fifty one thousand two hundred dollars~~
(words)
(\$ ~~251,200~~).
(figures)

4.1.6 Alternate No. 4 - Provide Fire Protection System for Existing Transfer Tower 3 (Add):⁽¹⁾

~~One hundred twenty thousand dollars~~
(words)
(\$ ~~120,000~~).
(figures)

4.1.7 Alternate No. 5 - Delete Conveyor SC4 and Associated Feeder (Deduct):

[REDACTED]
(words)
(\$ [REDACTED]).
(figures)

4.1.8 Alternate No. 6 - Delete Conveyor LS4, Unit 3 Crusher Building Extension and Associated Equipment (Deduct):⁽¹⁾

~~Six million three hundred seventy nine thousand dollars~~
(words)
(\$ ~~6,379,000~~).
(figures)

4.1.9 Alternate No. 7 - Delete Conveyor PC4 and Associated Equipment (Deduct):

(i)
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~~Two million sixty one thousand two hundred dollars~~
(words)

(\$ ~~2,061,200~~)
(figures)

4.1.10 Alternate No. 8 - Delete Fire Protection for Conveyor LS3 (Deduct):

[Redacted]
(words)

(\$ [Redacted])
(figures)

4.1.11 Alternate No. 9 - Delete Fire Protection for Conveyor LS4 (Deduct):

[Redacted]
(words)

(\$ [Redacted])
(figures)

4.1.12 Alternate No. 10 - Delete Fire Protection for Conveyor PC3 (Deduct):

[Redacted]
(words)

(\$ [Redacted])
(figures)

4.1.13 Alternate No. 11 - Delete Fire Protection for Conveyor PC4 (Deduct):

[Redacted]
(words)

(\$ [Redacted])
(figures)

4.1.14 Unit Price Bid: Unit Prices have been computed in accordance with paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities provided, determined as provided in the Contract Documents.

Item	Estimated Quantity	Unit	Unit Price	Extended Cost
Structural Steel for Stiffening Existing Steel	20,000	LB	\$ [Redacted]	\$ [Redacted]

Article 5. TIME OF COMPLETION

5.1 Bidder agrees that the performance of the Work will conform to the schedule set forth in Construction Contract - Generating.

Article 6. ATTACHMENTS TO THIS PROPOSAL

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- 6.1 The following documents are attached to and made a condition of this Proposal:
- 6.1.1 List of proposed subcontractors and work to be performed by each;
 - 6.1.2 Section 00434 – Bidder Data and Information;
 - 6.1.3 Contractor's requirements for plant services;
 - 6.1.4 Individual Specification Sections, submittals required with Proposal;
 - 6.1.5 Data Sheets bound at end of technical specification sections;
 - 6.1.6 Exceptions and Clarifications: Attach a separate sealed envelope labeled "Exceptions and Clarifications" to outside of sealed Bid, containing listing on Bidder's letterhead of all exceptions and clarifications to Construction Contract - Generating, referencing page number and paragraph of Construction Contract - Generating involved. If there are no exceptions or clarifications, include statement to such effect in Proposal envelope. Excessive exceptions or clarifications may render Proposal unresponsive. Bidder agrees to all provisions contained in Construction Contract - Generating unless specifically listed as an exception or clarification. If Bidder submits drawings, printed forms, standard statements, or other revisions which conflict with Construction Contract - Generating, the Construction Contract - Generating will prevail.
 - 6.1.7 Preliminary monthly payment schedule for duration of Contract.

END OF SECTION

STANDARD GENERAL CONDITIONS FOR THE CONSTRUCTION CONTRACT

ARTICLE 1- DEFINITIONS AND TERMINOLOGY

1.01 Defined Terms

A. Wherever used in the Contract Documents and printed with initial or all capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the Contract Documents.

2. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents

3. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

4. *Bidder*--The individual or entity who submits a Proposal directly to Owner

5. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

6. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, Bid security form, if any, and the Proposal form with any supplements

7. *Bonds*--Performance and payment bonds and other instruments of security.

8. *Change Authorization Request (CAR)*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement

9. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

10. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral

11. *Contract Documents*--The Contract Documents establish the rights and obligations of the parties and include the Construction Contract - Generating, Addenda (which pertain to the Contract Documents), Contractor's Proposal (including documentation accompanying the Proposal and any post Proposal documentation submitted prior to the Notice of Award), the Notice to Proceed, the Bonds, these General Conditions, the Specifications and the Drawings as the same are more specifically identified in the Contract, together with all Written Amendments, Change Authorization Requests, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of the Contract. Approved Shop Drawings and the reports and drawings of subsurface and physical conditions are not Contract Documents. Only printed or hard copies of the items listed in this paragraph are Contract Documents. Files in electronic media format of text, data, graphics, and the like that may be furnished by Owner to Contractor are not Contract Documents.

12. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Contract (subject to the provisions of paragraph 11.03 in the case of Unit Price Work).

13. *Contract Times*--The number of days or the dates stated in the Contract to: (i) achieve Substantial Completion; and (ii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

14. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

15. *Cost of the Work*--See paragraph 11.01.A for definition

16. *Drawings*--That part of the Contract Documents prepared or approved by Engineer, which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

17. *Effective Date of the Contract*--The date indicated in the Contract on which it becomes effective, but if no such date is indicated, it means the date on which the Contract is signed and delivered by the last of the two parties to sign and deliver.

18. *Engineer*-- Stanley Consultants, Inc

19. *Engineer's Consultant*--An individual or entity having a contract with Engineer to furnish services as Engineer's independent professional associate or consultant with respect to the Project and who is identified as such in the Supplementary Conditions

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications. -

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Instruction to Contractor*-- Same as "Field Order."

25. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

26. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

27. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

28. *Notice of Award*--The written notice by Owner to the apparent successful bidder stating that upon timely compliance by the apparent successful bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

29. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

30. *Owner*--The individual, entity, public body, or authority with whom Contractor has entered into the Contract and for whom the Work is to be performed.

31. *Partial Utilization*--Use by Owner of a substantially completed part of the Work for the purpose for which it is intended (or a related purpose) prior to Substantial Completion of all the Work.

32. *PCBs*--Polychlorinated biphenyls.

33. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

34. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part as may be indicated elsewhere in the Contract Documents.

35. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

36. *Proposal*--The offer or bid of a bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

37. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

38. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof.

39. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

40. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

41. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

42. *Specifications*--That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the Work and certain administrative details applicable thereto.

43. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

44. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

45. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

46. *Unit Price Work*--Work to be paid for on the basis of unit prices.

47. *Work*--The entire completed construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

48. *Written Amendment*--A written statement modifying the Contract Documents, signed by Owner and Contractor on or after the Effective Date of the Contract and normally dealing with the nonengineering or nontechnical rather than strictly construction-related aspects of the Contract Documents.

1.02 Terminology

A. Intent of Certain Terms or Adjectives

1. Whenever in the Contract Documents the terms "as allowed," "as approved," or terms of like effect or import are used, or the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work, it is intended that such action or determination will be solely to evaluate, in general, the completed Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). These of any such term or adjective shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 9.10 or any other provision of the Contract Documents.

B. Day

1. The word "day" shall constitute a calendar day of 24 hours measured from midnight to the next midnight.

C. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it does not conform to the Contract Documents or does not meet the requirements of any inspection, reference standard, test, or approval referred to in the Contract Documents, or has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with paragraph 14.04 or 14.05).

D. Furnish, Install, Perform, Provide

1. The word "furnish," when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word "install," when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words "perform" or "provide," when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When "furnish," "install," "perform," or "provide" is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, "provide" is implied.

E. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 Delivery of Bonds

A. When Contractor delivers the executed Contracts to Owner, Contractor shall also deliver to Owner such Bonds as Contractor may be required to furnish.

2.02 Copies of Documents

A. Refer to Section 01300 regarding copies of Drawings and Project Manuals.

2.03 Starting the Work

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.04 Before Starting Construction

A. *Contractor's Review of Contract Documents*: Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby; however, Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. *Preliminary Schedules*: Within ten days after the Effective Date of the Contract (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for its timely review:

1. a preliminary progress schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary schedule of Shop Drawing and Sample submittals which will list each required submittal and the times for submitting, reviewing, and processing such submittal; and

3. a preliminary schedule of values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work

C. *Evidence of Insurance*: Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Construction Contract - Generating.

2.05 Preconstruction Conference

A. Within 20 days after the Contract Times start to run, but before any Work at the Site is started, a conference attended by Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in paragraph 2.04 B, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.06 Initial Acceptance of Schedules

A. Unless otherwise provided in the Contract Documents, at least ten days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with paragraph 2.04 B. Contractor shall have an additional ten days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The progress schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within any specified Milestones and the Contract Times. Such acceptance will not impose on Engineer responsibility for the progress schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's schedule of Shop Drawing and Sample submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's schedule of values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 Intent

A. The Contract Documents are complementary; what is called for by one is as binding as if called for by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 Reference Standards

A. *Standards, Specifications, Codes, Laws, and Regulations*

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents, nor shall any such provision or instruction be effective to assign to Owner, Engineer, or any of Engineer's Consultants, agents, or employees any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents

3.03 Reporting and Resolving Discrepancies

A. *Reporting Discrepancies*

1. If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall report it to Engineer in writing at once. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in paragraph 3.04; provided, however, that Contractor shall not be liable to Owner or Engineer for failure to report any such conflict, error, ambiguity, or discrepancy unless Contractor knew or reasonably should have known thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 Amending and Supplementing Contract Documents

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof in one or more of the following ways: (i) a Written Amendment, or (ii) a Change Authorization Request.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways: (i) an Instruction to Contractor, or (ii) Engineer's written interpretation or clarification.

3.05 Reuse of Documents

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing any of the Work under a direct or indirect contract with Owner: (i) shall not have or acquire any title to or ownership rights in any of the Drawings, Specifications,

or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's Consultant, including electronic media editions, and (ii) shall not reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer. This prohibition will survive final payment, completion, and acceptance of the Work, or termination or completion of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; REFERENCE POINTS

4.01 Availability of Lands

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site, Contractor may make a Claim therefor as provided herein.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 Subsurface and Physical Conditions

A. In the preparation of Drawings and Specifications, Engineer or Engineer's Consultants relied upon the following reports of explorations and tests of subsurface conditions at the Site:

1. Report prepared by Fuller, Mossbarger, Scott & May Engineers, Inc., entitled: "Report of Geotechnical Exploration – Spurlock Station." The "technical data" contained in such report upon which Contractor may rely are contained in the boring logs, exclusive of groundwater evaluation data.

B. Copies of reports and drawings itemized above that are not included with Bidding Documents may be examined at East Kentucky Power Cooperative, Inc., Attention: Mr. Craig Johnson, 4775 Lexington Road, Winchester, KY 40392-0707; or at Stanley Consultants, Inc., Attention: Mr. Larry Shell, 225 Iowa Avenue, Muscatine, IA 52761-3764 during regular business hours. These reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Contractor may rely as identified and established above are incorporated therein by reference. Contractor is not entitled to rely upon other information and data utilized by Engineer and Engineer's Consultants in the preparation of Drawings and Specifications.

D. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any Claim against Owner, Engineer, or any of Engineer's Consultants with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings, or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 Differing Subsurface or Physical Conditions

A. Notice: If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by paragraph 6.16 A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of paragraphs 9.08 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner in respect of Contract Price and Contract Times by the submission of a Proposal or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice within the time and as required by paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided herein. However, Owner, Engineer, and Engineer's Consultants shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated.* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and
2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - a. reviewing and checking all such information and data,
 - b. locating all Underground Facilities shown or indicated in the Contract Documents,
 - c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and
 - d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, an Instruction to Contractor or a Change Authorization Request will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided herein.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction, which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any Claim against Owner, Engineer or any of Engineer's Consultants with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or
2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or
3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site, which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by paragraph 6.16); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided herein.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided herein. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and the officers, directors, partners, employees, agents, other consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated

in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this paragraph 4.06.E shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, and the officers, directors, partners, employees, agents, other consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this paragraph 4.06.F shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of paragraphs 4.02, 4.03, and 4.04 are not intended to apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - INSURANCE

5.01 *Licensed Insurers*

A. All insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue insurance policies for the limits and coverages so required.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Refer to Article II, Section 4, of the Construction Contract – Generating.

6.02 *Labor, Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey, lay out, and construct the Work as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours, and Contractor will not permit overtime work or the performance of Work on Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the General Requirements, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All warranties and guarantees specifically called for by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the

applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the progress schedule established as may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance proposed adjustments in the progress schedule that will not result in changing the Contract Times (or Milestones). Such adjustments will conform generally to the progress schedule then in effect and additionally will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the progress schedule that will change the Contract Times (or Milestones) shall be submitted in accordance with the requirements of Article 12. Such adjustments may only be made by a Change Authorization Request or Written Amendment.

6.05 *Substitutes and "Or-Equals"*

A. "*Or-Equal*" Items. If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this paragraph, a proposed item of material or equipment will be considered functionally equal to an item so named if:

1. in the exercise of reasonable judgment Engineer determines that: (i) it is at least equal in quality, durability, appearance, strength, and design characteristics; (ii) it will reliably perform at least equally well the function imposed by the design concept of the completed Project as a functioning whole, and;

2. Contractor certifies that: (i) there is no increase in cost to the Owner; and (ii) it will conform substantially, even with deviations, to the detailed requirements of the item named in the Contract Documents.

B. *Substitute Items:*

1. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under above paragraph, it will be considered a proposed substitute item.

2. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

3. The procedure for review by Engineer will be as set forth herein, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

4. Contractor shall first make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application shall certify that the proposed substitute item will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified, and be suited to the same use as that specified. The application will state the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time, whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for work on the Project) to adapt the design to the proposed substitute item and whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute item from that specified will be identified in the application, and available engineering, sales, maintenance, repair, and replacement

services will be indicated. The application will also contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change, all of which will be considered by Engineer in evaluating the proposed substitute item. Engineer may require Contractor to furnish additional data about the proposed substitute item.

C. *Substitute Construction Methods or Procedures* If a specific means, method, technique, sequence, or procedure of construction is shown or indicated in and expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The procedure for review by Engineer will be similar to that provided herein.

D. *Engineer's Evaluation* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made as specified herein. Engineer will be the sole judge of acceptability. No "or-equal" or substitute will be ordered, installed or utilized without Engineer's prior written acceptance, which will be evidenced by a Change Authorization Request. Engineer will advise Contractor in writing of any negative determination.

E. *Special Guarantee* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

F. *Engineer's Cost Reimbursement* Engineer will record time required by Engineer and Engineer's Consultants in evaluating substitute proposed or submitted by Contractor pursuant to paragraphs herein and in making changes in the Contract Documents (or in the provisions of any other direct contract with Owner for work on the Project) occasioned thereby. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer and Engineer's Consultants for evaluating each such proposed substitute.

G. *Contractor's Expense* Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 Concerning Subcontractors, Suppliers, and Others

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Contract Document require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Contract, and if Contractor has submitted a list thereof in accordance with the Contract Documents, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Authorization Request will be issued or Written Amendment signed. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor shall it create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and all other individuals or entities identified in the Construction Contract - Generating to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 Patent Fees and Royalties

A. Refer to Article VI, Section 3 of the Construction Contract - Generating.

6.08 Permits

A. Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Contract. Contractor shall pay all charges of utility owners for connections to the Work, and Owner shall pay all charges of such utility owners for capital costs related thereto, such as plant investment fees. A state boiler permit is required for pressure part welding on any ASME or ANSI B31.1 system.

6.09 Laws and Regulations

A. Contractor shall give all notices and comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear

all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work; however, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Contract if there were no Bids) having an effect on the cost or time of performance of the Work may be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefore as provide herein

D. Refer to Article VI, Section 5 of the Construction Contract – Generating.

E. When this order and contract refer to manufactured goods or to work or services, Bidder warrants and agrees that it has complied and will comply with (1) Fair Labor Standards Act, (2) Social Security and Workman's Compensation Laws, if work is done on Owner's premises; and (3) all other applicable Federal, State and local laws, codes and regulations. It is the policy of Owner to provide equal opportunities in employment without regard to race, color, religion, sex, age, or national origin and to employ and advance qualified disabled veterans, handicapped or disabled persons and Vietnam era veterans, Owner complies with the requirements placed on government contractors and subcontractors by Executive Order 11246, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and Section 503 of the Rehabilitation Act of 1973, and it is agreed that as a Subcontractor, vendor, or supplier, Bidder will also comply with the Executive Order, laws, and applicable rules and regulations. Bidder agrees to indemnify Owner and save Owner harmless if Bidder fails to comply with the foregoing, and in the event of such failure Owner may, in addition, cancel this order and contract. Bidder invoices for work or materials covered hereby shall state that Bidder has complied with the requirements of the Fair Labor Standards Act of 1938 as amended.

6.10 Taxes

A. Refer to Section 00210 – Supplementary Instructions to Bidders.

6.11 Use of Site and Other Areas

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, Engineer, Engineer's Consultant, and the officers, directors, partners, employees, agents, and other consultants of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. *Removal of Debris During Performance of the Work:* Refer to Article IV, Section 1 of the Construction Contract – Generating.

C. *Cleaning:* Refer to Article IV, Section 1 of the Construction Contract – Generating

D. *Loading Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Written Amendments, Change Authorization Requests, Instructions to Contractor, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 Safety and Protection

A. Refer to Article IV, Section 1 of the Construction Contract – Generating.

B. Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connections with the Work. The Owner, Engineer, and Engineer's consultant will not have such responsibility. No action under taken by the Owner or Engineer under paragraphs 15.01 or 15.02, or Article 9 will constitute a transfer of this responsibility or acceptance of this responsibility by the Owner, Engineer, or Engineer's consultant.

6.14 Safety Representative

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 Hazard Communication Programs

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 Emergencies

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, an Instruction to Contractor or Change Authorization Request will be issued.

6.17 Shop Drawings and Samples

A. Contractor shall submit Shop Drawings to Engineer for review in accordance with the acceptable schedule of Shop Drawings and Sample submittals. All submittals will be identified as Engineer may require and in the number of copies specified in the General Requirements. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by paragraph 6.17.E.

B. Contractor shall also submit Samples to Engineer for review in accordance with the acceptable schedule of Shop Drawings and Sample submittals. Each Sample will be identified clearly as to material, Supplier, pertinent data such as catalog numbers, and the use for which intended and otherwise as Engineer may require to enable Engineer to review the submittal for the limited purposes required by paragraph 6.17 E. The numbers of each Sample to be submitted will be as specified in the Specifications.

C. Where a Shop Drawing or Sample is required by the Contract Documents or the schedule of Shop Drawings and Sample submittals acceptable to Engineer, any related Work performed prior to Engineer's review of the pertinent submittal will be at the sole expense and responsibility of Contractor.

D. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to means, methods, techniques, sequences, and procedures of construction and safety precautions and programs incident thereto; and

d. Contractor shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written indication that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.

3. If Contractor wishes to propose a variation from the requirements of the Contract Documents and a drawing or sample will be used to help describe the variation, the drawing or sample shall not be submitted as a Shop Drawing or sample, but rather will have specific notations regarding the variation and shall be transmitted to the Engineer with a letter describing all aspects of the variation, including any effect the variation will have on work of separate contractors, if any, and its effect, if any, on the Contract Price or Contract Time. If Engineer determines that the variation will be acceptable, the variation will be authorized by a Change Authorization Request executed by the Owner and Contractor.

E. Engineer's Review

1. Engineer will timely review Shop Drawings and Samples in accordance with the schedule of Shop Drawings and Sample submittals acceptable to Engineer. Engineer's review will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review of Shop Drawings or Samples shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents; nor will any review by Engineer relieve Contractor from responsibility for errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.17.D.1.

F. Resubmittal Procedures: Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit as required new

Samples for review. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner, Engineer, and Engineer's Consultants that all Work will be in accordance with the Contract Documents and will not be defective. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

B. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a Certificate of Completion or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any acceptance by Owner or any failure to do so;

6. any review of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

7. any inspection, test, or approval by others; or

8. any correction of defective Work by Owner.

6.20 Indemnification. Refer to Article IV, Section 1, Construction Contract – Generating.

ARTICLE 7 - OTHER WORK

7.01 Related Work at Site

A. Owner may perform other work related to the Project at the Site by Owner's employees, or let other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and

2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefore as provided herein.

B. Contractor shall afford each other contractor who is a party to such a direct contract and each utility owner (and Owner, if Owner is performing the other work with Owner's employees) proper and safe access to the Site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work and shall properly coordinate the Work with theirs. Unless otherwise provided in the Contract Documents, Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this paragraph are for the benefit of such utility owners and other contractors to the extent

that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 Coordination

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

- 1 the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
- 2 the specific matters to be covered by such authority and responsibility will be itemized, and
- 3 the extent of such authority and responsibilities will be provided.

B. Owner shall have sole authority and responsibility for such coordination

ARTICLE 8 - OWNER'S RESPONSIBILITIES

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 Replacement of Engineer

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 Furnish Data

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 Pay Promptly When Due

A. Owner shall make payments to Contractor promptly when they are due.

8.05 Lands and Easements; Reports and Tests

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 Insurance

A. Owner's responsibilities, if any, in respect of purchasing and maintaining liability and property insurance are set forth in the Construction Contract – Generating.

8.07 Change Authorization Requests

A. Owner is obligated to execute Change Authorization Requests as indicated in paragraph 10.03.

8.08 Inspections, Tests, and Approvals

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in paragraph 13.03 B.

8.09 Limitations on Owner's Responsibilities

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 Undisclosed Hazardous Environmental Condition

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in paragraph 4.06

8.11 Evidence of Financial Arrangements

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 Owner's Representative

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 Visits to Site

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in paragraph 9.10, and particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 Project Representative

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The responsibilities and authority and limitations thereon of any such Resident Project Representative and assistants will be as provided in paragraph 9.10 and in the Supplementary Conditions. If Owner designates another representative or agent to represent Owner at the Site who is not

Engineer's Consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Contract Documents

9.04 Clarifications and Interpretations

A. Engineer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as Engineer may determine necessary, which shall be consistent with the intent of and reasonably inferable from the Contract Documents. Such written clarifications and interpretations will be binding on Owner and Contractor. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a written clarification or interpretation, a Claim may be made therefor as provided herein.

9.05 Authorized Variations in Work

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by an Instruction to Contractor and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of an Instruction to Contractor, a Claim may be made therefor as provided herein.

9.06 Rejecting Defective Work

A. Engineer will have authority to disapprove or reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.07 Shop Drawings, Change Authorization Requests and Payments

A. In connection with Engineer's authority as to Shop Drawings and Samples, see paragraph 6.17.

B. In connection with Engineer's authority as to Change Authorization Requests, see Articles 10, 11, and 12.

C. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.08 Determinations for Unit Price Work

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of paragraph 10.05.

9.09 Decisions on Requirements of Contract Documents and Acceptability of Work

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. Claims, disputes and other matters relating to the acceptability of the Work, the quantities and classifications of Unit Price Work, the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, and Claims seeking changes in the Contract Price or Contract Times will be referred initially to Engineer in writing, in accordance with the provisions of paragraph 10.05, with a request for a formal decision.

B. When functioning as interpreter and judge under this paragraph 9.09, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity. The rendering of a decision by Engineer pursuant to this paragraph 9.09 with respect to any such Claim, dispute, or other matter (except any which have been waived by the making or acceptance of final payment as provided in paragraph 14.07) will be a condition precedent to any exercise by Owner or Contractor of such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any such Claim, dispute, or other matter.

9.10 Limitations on Engineer's Authority and Responsibilities

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with, the Contract Documents.

E. The limitations upon authority and responsibility set forth in this paragraph 9.10 shall also apply to Engineer's Consultants, Resident Project Representative, and assistants.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 Authorized Changes in the Work

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Written Amendment, a Change Authorization Request, or an Instruction to Contractor. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved, which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of an Instruction to Contractor, a Claim may be made therefor as provided herein.

10.02 Unauthorized Changes in the Work

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in paragraph 3.04, except in the case of an emergency as provided in paragraph 6.16 or in the case of uncovering Work as provided in paragraph 13.04.B.

10.03 Execution of Change Authorization Requests

A. Owner and Contractor shall execute appropriate Change Authorization Requests recommended by Engineer (or Written Amendments) covering:

1. changes in the Work which are (i) ordered by Owner pursuant to paragraph 10.01 A, (ii) required because of acceptance of defective Work under paragraph 13.08 A or Owner's correction of defective Work under paragraph 13.09, or (iii) agreed to by the parties;
2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with an Instruction to Contractor; and
3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to paragraph 10.05; provided that, in lieu of executing any such Change Authorization Request, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the progress schedule as provided in paragraph 6.16 A.

10.04 Notification to Surety

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any Bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable Bond will be adjusted to reflect the effect of any such change.

10.05 Claims and Disputes

A. Notice: Written notice stating the general nature of each Claim, dispute, or other matter shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. Notice of the amount or extent of the Claim, dispute, or other matter with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim, dispute, or other matter). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

B. *Engineer's Decision:* Engineer will render a formal decision in writing within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any. Engineer's written decision on such Claim, dispute, or other matter will be final and binding upon Owner and Contractor unless:

1. an appeal from Engineer's decision is taken within the time limits and in accordance with the dispute resolution procedures set forth in Article 16; or
2. if no such dispute resolution procedures have been set forth in Article 16, a written notice of intention to appeal from Engineer's written decision is delivered by Owner or Contractor to the other and to Engineer within 30 days after the date of such decision, and a formal proceeding is instituted by the appealing party in a forum of competent jurisdiction within 60 days after the date of such decision or within 60 days after Substantial Completion, whichever is later (unless otherwise agreed in writing by Owner and Contractor), to exercise such rights or remedies as the appealing party may have with respect to such Claim, dispute, or other matter in accordance with applicable Laws and Regulations.

C. If Engineer does not render a formal decision in writing within the time stated in paragraph 10.05 B, a decision denying the Claim in its entirety shall be deemed to have been issued 31 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any.

D. No Claim for an adjustment in Contract Price or Contract Times (or Milestones) will be valid if not submitted in accordance with this paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; CASH ALLOWANCES; UNIT PRICE WORK

11.01 Cost of the Work

A. *Costs Included:* The term Cost of the Work means the sum of all costs necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Authorization Request or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project. Refer to Article II, Section 1, of the Construction Contract - Generating.

B. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to paragraph 11.01.A, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Cash Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums as may be acceptable to Owner and Engineer. Contractor agrees that:

1. the allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
2. Contractor's costs for unloading and handling on the Site, labor, installation costs, overhead, profit, and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

B. Prior to final payment, an appropriate Change Authorization Request will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of paragraph 9.08.

B. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

C. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
2. there is no corresponding adjustment with respect any other item of Work; and
3. if Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 Change of Contract Price

A. The Contract Price may only be changed by a Change Authorization Request or by a Written Amendment. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of paragraph 10.05.

B. The value of any Work covered by a Change Authorization Request or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of paragraph 11.03); or
2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum; or
3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in paragraph 11.01).

12.02 Change of Contract Times

A. The Contract Times (or Milestones) may only be changed by a Change Authorization Request or by a Written Amendment. Any Claim for an adjustment in the Contract Times (or Milestones) shall be based on written notice submitted by the party making the claim to the Engineer and the other party to the Contract in accordance with the provisions of paragraph 10.05.

B. Any adjustment of the Contract Times (or Milestones) covered by a Change Authorization Request or of any Claim for an adjustment in the Contract Times (or Milestones) will be determined in accordance with the provisions of this Article 12.

12.03 Delays Beyond Contractor's Control

A. Where Contractor is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of Contractor, the Contract Times (or Milestones) will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

12.04 Delays Within Contractor's Control

A. The Contract Times (or Milestones) will not be extended due to delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

12.05 Delays Beyond Owner's and Contractor's Control

A. Where Contractor is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of both Owner and Contractor, an extension of the Contract Times (or Milestones) in an amount equal to the time lost due to such delay shall be Contractor's sole and exclusive remedy for such delay.

12.06 Delay Damages

A. In no event shall Owner or Engineer be liable to Contractor, any Subcontractor, any Supplier, or any other person or organization, or to any surety for or employee or agent of any of them, for damages arising out of or resulting from:

1. delays caused by or within the control of Contractor; or
2. delays beyond the control of both Owner and Contractor including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by utility owners or other contractors performing other work as contemplated by Article 7.

B. Nothing in this paragraph 12.06 bars a change in Contract Price pursuant to this Article 12 to compensate Contractor due to delay, interference, or disruption directly attributable to actions or inactions of Owner or anyone for whom Owner is responsible.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 Notice of Defects

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 Access to Work

A. Owner, Engineer, Engineer's Consultants, other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 Tests and Inspections

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Contractor shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in paragraph 13.03 E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 Uncovering Work

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment. If it is found that such Work is defective, Contractor shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others), and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in paragraph 10.05. If, however, such Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times (or Milestones), or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided herein.

13.05 Owner May Stop the Work

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 Correction or Removal of Defective Work

A. Refer to Article II, Section 5 of the Construction Contract – Generating.

13.07 Correction Period

A. Refer to Article II, Section 5 of the Construction Contract – Generating.

B. In special circumstances where a particular item of equipment is placed in continuous service before Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications or by Written Amendment.

C. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

D. Contractor's obligations under this paragraph are in addition to any other obligation or warranty. The provisions of this paragraph shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 Acceptance of Defective Work

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Authorization Request will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided herein. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 Owner May Correct Defective Work

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with paragraph 13.06 A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct and remedy any such deficiency.

B. In exercising the rights and remedies under this paragraph, Owner shall proceed expeditiously. In connection with such corrective and remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's Consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.

C. All Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this paragraph 13.09 will be charged against Contractor, and a Change Authorization Request will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided herein. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times (or Milestones) because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 Schedule of Values

A. The schedule of values established as provided in paragraph 2.07 A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 Progress Payments

A. Refer to Article III, Section 1 of the Construction Contract – Generating

14.03 Contractor's Warranty of Title

A. Refer to Article IV, Section 3 of the Construction Contract – Generating.

14.04 Substantial Completion

A. Refer to Article III, Section 1 of the Construction Contract – Generating.

14.05 Partial Utilization

A. Refer to Article IV, Section 3 of the Construction Contract – Generating.

14.06 Final Inspection

A. Refer to Article II, Section 4 of the Construction Contract – Generating

14.07 Final Payment

A. Refer to Article III, Section 1 of the Construction Contract – Generating.

B. *Retainage Escrow Account* If the Contract is in the amount of \$500,000 or more involving the improvement of real estate, a 10 percent retainage from each payment will be deposited in a separate escrow account with a bank or trust company authorized to do business in Kentucky.

1. Such escrow account will be administered by an escrow agent who will invest all of the escrowed principal in obligations at its sole discretion. Costs incurred by the escrow agent will be deducted from the escrow account.

2. Upon issuance of the receipt for final payment, signed by the engineer and approved in writing by the Owner and the Administrator, if necessary, the Contractor shall be entitled to all funds accumulated in the escrow account, together with any interest thereon, minus costs incurred by the escrow agent.

3. Establishment and administration of the retainage escrow account will be in accordance with the provisions of Kentucky Revised Statutes, KRS 371.160.

14.08 Final Completion Delayed

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment and recommendation of Engineer, and without terminating the Agreement, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 Waiver of Claims

A. Refer to Article III, Section 2 of the Construction Contract – Generating

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 Owner May Suspend Work

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be allowed an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided herein.

15.02 Owner May Terminate for Cause

A. Refer to Article V, Section 1 of the Construction Contract – Generating

15.03 Owner May Terminate For Convenience

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, elect to terminate the Contract. In such case, Contractor shall be paid (without duplication of any items):

1. for completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. for expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. for all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. for reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 Contractor May Stop Work or Terminate

A. If, through no act or fault of Contractor, the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or Engineer fails to act on any Application for Payment within 30 days after it is submitted, or Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in paragraph 15.03. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph 15.04 are not intended to preclude Contractor from making a Claim for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 Methods and Procedures

A. Owner and Contractor may exercise such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any dispute

ARTICLE 17 - MISCELLANEOUS

17.01 Giving Notice

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice

17.02 Computation of Times

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 Cumulative Remedies

A. Refer to Article V, Section 3 of the Construction Contract – Generating.

17.04 Survival of Obligations

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the

Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Agreement.

17.05 Controlling Law

A. This Contract is to be governed by the law of the state in which the Project is located

17.06 Liquidated Damages –See Article V, Section 2 of the Construction Contract – Generating.

17.07 Certification Regarding Debarment and Suspension

A. Certification regarding debarment, suspension, ineligibility and voluntary exclusion is required on all services greater than \$25,000. Forms are attached for this certification.

17.08 Lobbying Certification

A. Certification regarding lobbying is required. Forms are attached for this certification.

17.09 Limitation of Liability

A. Neither Contractor nor its suppliers shall be liable whether in contract or in tort or under any other legal theory, for loss of use, revenue or profit, or for cost of capital or of substitute use or performance, or for incidental, indirect, special, or consequential damages, or for claims by Owner for damages of Owner's customers. Likewise, Contractor shall not, under any circumstances, be liable for the fault, negligence, or wrongful acts of Owner or Owner's other contractors or suppliers. In no event shall Contractor be liable in excess of the sales price of the part(s) or product found to be defective.

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in the covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transactions with a person who is proposed for debarment under 48 CFR part 9, subpart 9.4, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not proposed for debarment under 48 CFR part 9, subpart 9.4, debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 10 Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is proposed for debarment under 48 CFR part 9, subpart 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

CERTIFICATION

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Organization Name PR/Award or Project Name

Name and Title

Signature Date

LOBBYING CERTIFICATION

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

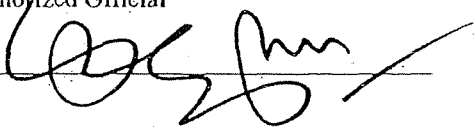
Dearborn Mid-West Conveyor Co.

Organization Name

Sudy L. Vohra, Vice President, Bulk Sales

Name of Authorized Official

Signature



01/16/06

Date

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Work covered by Construction Contract - Generating
- B. Contract
- C. Work by others.
- ~~D. Equipment provided by Owner~~
- ~~E. D.~~ Work sequence.
- ~~F. E.~~ Contractor use of premises.

1.02 WORK COVERED BY CONSTRUCTION CONTRACT - GENERATING

- A. Work of this Agreement comprises design, fabrication, delivery, erection, and startup of coal and limestone handling equipment and **extension of existing** crusher building complete with specified auxiliary components, including services of service engineer(s).
- B. Limestone conveying equipment:
 - ~~1. Water collecting gates.~~
 - ~~2. Belt feeder.~~
 - ~~3. Conveyor trusses, walkways, and bents.~~
 - ~~4. Dust collectors and exhaust fans.~~
 - 5.1. Chutes and diversion gate to accommodate addition of Conveyor PC-4.**
 - ~~6. Belt Conveyor PC-3B.~~
 - ~~7. Dust suppression equipment.~~
 - ~~8.2. Instruments~~
 - ~~9. Magnetic separator.~~
 - ~~10.3. Field wiring.~~
 - 4. Equipment guards and access platforms.**
 - 5. Equipment supports and anchorage.**
 - 6. Reinforce existing chutes and related systems to support new and existing loads.**
 - 7. Modify existing chutes and related systems to suit new equipment.**
 - ~~11.8. Required accessories to provide a complete and operable system~~Accessories.
- C. Coal conveying equipment:
 - 1. ~~Flip~~ **Diversion gates, chutes, chute modifications and skirtboards:**
 - a. **Diversion gate and chutes to accommodate Conveyor SC-3 discharging to either Conveyor LS-3 or LS-4.**
 - b. **Diversion gate and chutes to accommodate existing crusher discharging to either Conveyor PC-3 or PC-4.**
 - 2. Belt conveyors:
 - a. **LS-4.**
 - b. **PC-4.**
 - c. **Extension of existing Conveyor PC-33A, SR-1, SR-1A, SR-6, SR-7, SR-8, SR-9 and SR-12.**
 - d. **SC-4**
 - e. **BC-4 with traveling tripper.**
 - ~~1. Install SR-1 into work point for existing Conveyor UC2.~~
 - ~~2. Modifications to Conveyor UC2 and anchor tower to allow coal feed from Conveyor SR-1A.~~
 - 5.3. Conveyor supports, galleries, bents, platforms, and walkways.**

- 6.4. Dust collectors, screw conveyor, and exhaust fans.
 - a. Complete dust collection system for Unit 4 tripper and silos.
 - b. Complete dust collection system in crusher building extension to accommodate new conveyors LS-4, PC-4 and crusher surge bin. Provide system to accommodate all possible material flow paths.
 - c. Modify existing dust collection system in crusher building to accommodate discharging reject material to either Conveyor PC-3 or PC-4.
 5. Dust suppression system modifications to incorporate new transfer points in Transfer Tower 3.
—Two stage sample system for “as-burned” coal on new conveyor LS-4.Chutes.
 - ~~8.6. Conveyor BC-3A with movable tripper.~~
 - ~~9.7. Instruments.~~
 - ~~10.8. Magnetic separator.~~
 9. Surge bin.
 - ~~11.10. Posimetric feeder.~~
 11. Reversible hammer-mill crusher.
 12. Ground mounted drag chain reclaim conveyor
 - ~~12.13. Field wiring.~~
 14. Equipment guards and access platforms.
 15. Monorails, hoist beams and hoists.
 16. Equipment supports, concrete equipment pads, grouting and anchorage.
 17. Fall restraint shock absorber system for belt counterweights.
 18. Reinforce existing chutes and related systems to support new and existing loads.
 19. Modify existing chutes and related systems to suit new equipment.
 20. Modify existing BC3 tail pulley guards and related systems to accommodate BC4.
 - ~~13.21. Required accessories to provide a complete and operable systemAccessories.~~
- D. Crusher house extension:
1. Structural steel including building frame, stairs, ladders, platforms, and miscellaneous framing.
 2. Reinforce existing steel framing to support new and existing loads.
 3. Modify existing steel framing to suit equipment and structures.
 4. Demolition of existing roof parapet and overhang enclosure, floors, walls and related systems located north of Column Row “D” to accommodate building extension.
 5. Alternate Bid No. 1:
 - a. Remove section of existing Conveyor Gallery LS3 located south of Column Row “F” inside crusher building expansion.
 - b. Modify existing LS3 gallery to support LS3 gallery from Column Row “F” of crusher building extension.
 - c. Modify conveyor supports to support section of LS3 conveyor located inside crusher building on floor slab.
 - d. Modify walkways, platforms and stairs to provide access to gallery walkways.
 - e. Modify conduits, lights, utilities and related items to suit gallery modifications.
 - ~~2.6. Siding, doors, louvers, and roofing.~~
 - ~~3.7. Elevated reinforced concrete slabs.~~
 8. Concrete equipment pads, grouting and anchorage.
 - ~~4.9. Interior rooms.~~
 10. Exterior and interior CMU walls.
 - ~~5.11. Monorails, hoist beams and hoists.~~
 - ~~6.12. Motor control centers, secondary unit substation, panels, medium voltage resersingreversing⁽¹⁾ crusher starter, and field wiring.~~
 - ~~7.13. Instrumentation.~~
 - ~~8.14. Connection to existingsite utilities.~~
 - ~~9. Provide Freight elevator.~~
 - ~~10.15. fFire protection hose stations on each level of the crusher building extension by tying into the existing standpipe.~~
 16. Plant drains and roof drains.

⁽¹⁾ Addendum No. 1

17. Heating and ventilation systems.
18. Temporary enclosures to protect equipment.
19. Relocate existing utilities to accommodate new work.

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~~E. Transfer Tower 2:~~

- ~~1. Structural steel including building frame, stairs, ladders, platforms, and miscellaneous framing.~~
- ~~2. Siding, doors, and roofing.~~
- ~~3. Elevated concrete slabs.~~
- ~~4. Interior rooms.~~
- ~~5. Monorails.~~
- ~~6. Motor control centers, and field wiring.~~
- ~~7. Instrumentation.~~
- ~~8. Connection to site utilities.~~
- ~~9. Personnel elevator.~~
- ~~10. Fire protection.~~

~~F.E. Transfer Tower 3 modifications:~~

1. Structural steel including building frame, stairs, ladders, platforms, and miscellaneous framing.
2. **Framed opening thru existing exterior wall panel siding for installation of new LS4 and reclaim conveyor**~~Siding, doors, and roofing.~~
- ~~3. Elevated concrete slabs.~~
3. **Removal of sections of existing floor slab and framing to suit chute openings.**
4. **Reinforce existing steel framing to support new and existing loads.**
5. **Modify existing steel framing to suit equipment and structures.**
6. **Concrete equipment pads, grouting and anchorage.**
- ~~4. Interior rooms.~~
- ~~5. 7. Monorails.~~
- ~~6. 8. Motor control center addition, and field wiring.~~
- ~~7. Instrumentation.~~
9. **Temporary enclosures to protect equipment.**
- ~~8. Connection to site utilities.~~
- ~~9. Personnel elevator.~~
- ~~10. Fire protection.~~
10. **Relocate existing utilities to accommodate new work.**

F. PC conveyor gallery and tripper area modifications:

1. Add Conveyor PC4, drip pans, base pans collector boxes, drain pipes, walkways, stairs, crossover platforms, ladders and related systems.
2. Extend gallery exterior walkways to provide access to Unit 3 and 4 floors.
3. Enclose gallery using dust-tight walls and roof, and watertight base pan.
4. Modify existing gallery end wall enclosure at tripper floor to accept new conveyor.
5. Provide gallery end wall enclosure at Unit 4 exterior wall.
6. Provide flexible EPDM joint system at gallery perimeter where new gallery enclosure meets Unit 4 exterior wall siding and siding at tripper floor.
7. Structural steel including frame, stairs, ladders, platforms, and miscellaneous framing.
8. Reinforce existing steel framing to support new and existing loads.
9. Modify existing steel framing to suit equipment and structures.
10. Demolition:
 - a. Remove existing platform sections, floor slabs, framing, guardrail and related systems to accommodate PC4 and PC3 modifications.
 - b. Remove sections of existing girts and siding to accommodate wall penetrations, monorails and doors.
 - c. Relocate existing utilities to accommodate new work.
11. Siding and doors.
12. Elevated reinforced concrete slabs.
13. Monorails and hoists.

14. Temporary enclosures to protect equipment.
15. **Modify electrical installations within enclosed conveyor gallery to comply with Class II, Division I, Group F Hazardous Classification.**

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~~G. Transfer Building 1 Modifications for Conveyor SR-1 installation:~~

- ~~1. Structural steel including building frame and miscellaneous framing.~~
- ~~2. Siding.~~
- ~~3. Instrumentation.~~
- ~~4. Connection to site utilities.~~

H.G. Instrumentation and controls:

1. PLCs or remote I/O racks
2. PLC integration and software
3. **Interface/Integrate new PLC network hardware and software with into existing coal and limestone control system.**
- ~~4. Fiber optic cable from existing Unit 3 cabinet to new PLCs.~~
4. **Strain gages live load measurement system for PC3/PC4 gallery section located inside Unit 4 building.**

~~I. Unload, erect, and integrate stacker/reclaimer into coal handling system in accordance with manufacturer's drawings and field service representative recommendations. For bidding purposes, refer to Exhibit E for description of shipping pieces and major components. Base bids on 200' field weld length.⁽⁴⁾~~

J.H. Electrical power supply:

1. **Crusher house: Medium-voltage for crusher from main plant switchgear and 600 volt cable from baghouse electrical building and main plant to crusher house via duct banks provided by others. Unit 4 crusher house electrical rooms house new motor control center, panels, crusher motor starter, PLC equipment, and all other non-hazardous rated equipment.**
- ~~2. Furnishing and installing motor control centers and field wiring necessary for modifications in Transfer Building 1 for installation of Conveyor SR-1 into existing Conveyor UC2 work point.~~
- ~~3. Transfer Tower 2: Power cable from existing crusher house to Transfer Tower 2 via duct bank provided by others.~~
- 4.2. **Transfer Tower 3: Power cable from new Crusher House 34 to Transfer Tower 3 via rigid steel conduits mounted on conveyor gallery duct bank provided by others. to new Transfer Tower 3 motor control center. New 480-volt and 120-volt panels in Transfer Tower 3 for Unit 4 affiliated equipment.**
- 5.3. **Power plant tripper floor: Cable via conduit and/or cable tray from existing/extended motor control centers. Conveyor PC-3A4⁽²⁾ drive motor cables from main plant ground-intermediate floor switchgear to motor starter in tripper floor electrical room and cables from starter to conveyor motor, either existing. Medium-voltage cable shall be installed in tray or new conduit provided by others from intermediate floor to tripper floor electrical room.**
- ~~6. Conveyor SR-8 drive: Cable from Transfer Tower 3 electrical room via conduit attached to conveyor.~~
- ~~7. Stacker/Reclaimer 3: Cable from new crusher house electrical room in duct bank provided by others. Refer to Exhibit D to estimate cost of materials and labor for electrical portion of stacker/reclaimer installation.~~
- 8.4. **Owner-furnished hoists: Furnish and install conduits, cables, and breakers as necessary for installation.⁽⁴⁾**

I. **Fire protection:⁽¹⁾**

1. **Conveyors: PC-3, PC-4, LS-3 and LS-4.**
2. **Tripper Gallery and Conveyor BC-4.**
3. **PC-3 and PC-4 conveyor gallery enclosure**
4. **Existing Unit 3 Crusher Building and extension.**
5. **Transfer Tower 3.**

⁽¹⁾ Addendum No. 1

- J. PC conveyor gallery washdown system: 2" supply header with 1-1/2" fire hose connections every 25'.⁽¹⁾

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1.03 CONTRACT

- A. Work shall be performed under single lump sum Contract

1.04 WORK BY OTHERS

- A. Foundations
- B. Anchor bolts installed in foundations.
- C. **Underground duct banks and plant cable tray in boiler/turbine building and baghouse electrical building. Cable tray in other buildings by Contractor.**⁽¹⁾ ~~and underground services piping including fire protection water, instrument air, service water, and potable water. Underground services piping at crusher house will terminate above building floor slab with valves for continuation by this Contract.~~
- D. ~~Underground concrete tunnels and vaults.~~
- E. ~~Abatement of lead paint on existing equipment and structures, if required.~~
- F. ~~D. Coal pile relocation~~

~~1.05 EQUIPMENT PROVIDED BY OWNER~~

- ~~A. Contract E103 - Circular Stacker/Reclaimer Procurement.~~

1.061.05 WORK SEQUENCE

- A. Construct Work to accommodate Owner's construction schedule
- B. Key milestone completion dates and task durations for this Contract:
 1. Contract Award (Anticipated): ~~June 9, 2003~~ **January 10, 2006**
 2. Submit final information for foundation design: ~~August 8, 2003~~ **March 20, 2006**
 3. Foundation construction (by others) complete: ~~January 30, 2004~~ **December 8, 2006**
 4. **Enclose Unit 4 building with siding and roofing (by others) complete: November 29, 2006.**
 5. Erection: ~~December 2, 2003 - November 30, 2004~~ **October 5, 2006 - June 11, 2007.**
 6. **Unit 3 maintenance outage: May 14, 2007 - May 25, 2007.**
 - ~~4. Delivery of stacker/reclaimer (anticipated): April 16, 2004.~~
 - ~~6.7. Substantial Completion and start-up: December 1, 2004~~ **July 10, 2007.**
 - ~~7.8. First fire on coal (scheduled): January 17, 2005~~ **January 4, 2008.**
 - ~~8.9. Unit 43 commercial operation: April 1, 2008.~~

1.071.06 CONTRACTOR USE OF PREMISES

- A. Limit Contractor's use of premises for Work and for storage, to allow for:
 1. Work by other contractors.
 2. Owner occupancy.
- B. Coordinate use of premises under direction of Owner. Contractor shall confine construction equipment, storage of materials and equipment and operations of workers to areas permitted by law, ordinances, permits, or requirements of Contract Documents, and shall not unreasonably encumber premises with construction equipment or other material or equipment.

⁽¹⁾ Addendum No. 1

- B. Work site safety shall be very high priority.
- C. Owner's safety requirements and equipment tagging procedures shall be followed.
- D. Contractor personnel shall undergo safety training as required in the event of an ammonia release.
- E. No construction personnel are allowed outside their work area or areas where construction facilities are located.
- F. Contractor shall implement and follow "MOST" Drug and Alcohol Screening Policies and Procedures as revised March 12, 2002, for all Contractor Site personnel.
- G. Contractor personnel shall undergo safety training as required for an ammonia release.

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1.05 COPIES OF DRAWINGS AND PROJECT MANUALS

- A. After Notice of Award, Contractor may obtain, at no charge, maximum of 5 complete sets and 1 compact disc (CD) of Drawings, as listed in project manuals, and 5 sets of project manuals
- B. Additional copies of project manuals and Drawings may be obtained under following conditions:
 - 1. Project manuals:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional project manuals necessitates reprinting of project manuals, Contractor shall pay entire cost of such reprinting.
 - c. Partial sets of project manuals will not be provided.
 - 2. Drawings:
 - a. Furnished at Engineer's reproduction cost plus handling charge.
 - b. If Contractor's requirement for additional Drawings necessitates reprinting of Drawings, Contractor shall pay entire cost of such reprinting.
 - c. Complete sets of half-size Drawings may be purchased from Engineer at Engineer's reproduction cost plus handling charge per set.
- C. Revised Drawings and project manuals, if required, will be provided by Engineer to show authorized changes or extra Work under following conditions.
 - 1. Project manuals: Furnished at no charge, in same quantity as original issuance.
 - 2. Half-size Drawings:
 - a. Half-size Drawings will be available as revised Drawings.
 - b. One revised, complete set of half-size Drawings will be issued, at no charge, for each half-size set originally issued and for each half-size set purchased by Contractor after Notice of Award.
 - 3. Full-size Drawings:
 - a. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set originally issued.
 - b. One revised, complete set of full-size Drawings will be issued, at no charge, for each full-size set originally issued, and for each full-size set purchased by Contractor after Notice of Award, up to 4 copies maximum.

1.06 PROJECT SITE ADMINISTRATION

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out Work and perform construction as required by Contract Documents. Contractor shall at all times maintain good discipline and order at site.
- B. Incompetent or incorrigible employees shall be dismissed from Work by Contractor or its representative when requested by Owner, and such persons shall not again be permitted to return to Work without written consent of Owner.

C. Workmanship shall be of best quality.

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1.07 FIELD ENGINEERING

- A. Contractor shall locate and protect survey control and reference points. Promptly notify Owner of any discrepancies discovered.
- B. Control datum for survey is that established by Owner-provided survey.
- C. Verify set-backs and easements; confirm drawing dimensions and elevations.
- D. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.
- E. Submit a copy of site drawing by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.
- F. Maintain a complete and accurate log of control and survey work as it progresses.

1.08 PRECONSTRUCTION MEETING

- A. Owner will schedule a meeting after Notice of Award.
- B. Attendance Required. Owner, Engineer, and Contractor and Contractor's Superintendent.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of products, schedule of values, and progress schedule.
 - 5. Designation of personnel representing the parties in Contract, and Engineer.
 - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Authorization Requests, and Contract closeout procedures.
 - 7. Scheduling.
- D. Owner will record minutes and distribute copies within 5 days after meeting to participants and those affected by decisions made.

1.09 SITE MOBILIZATION MEETING

- A. Owner will schedule a meeting at the Project site prior to Contractor mobilization.
- B. Attendance Required: Owner, Engineer, Special Consultants, Contractor, Contractor's Superintendent, and major Subcontractors.
- C. Agenda:
 - 1. Use of premises by Owner and Contractor.
 - 2. Owner's requirements and occupancy.
 - 3. Construction facilities and controls provided by Owner.
 - 4. Temporary utilities provided by Owner.
 - 5. Survey and building layout.
 - 6. Security and housekeeping procedures.
 - 7. Schedules.
 - 8. Application for payment procedures.
 - 9. Procedures for testing.
 - 10. Procedures for maintaining record documents.
 - 11. Requirements for start-up of equipment.

12. Inspection and acceptance of equipment put into service during construction period.

D. Owner will record minutes and distribute copies within 5 days after meeting to participants and those affected by decisions made.

1.10 PROGRESS MEETINGS

A. Owner will schedule and administer meetings throughout progress of the Work at weekly intervals

B. Owner will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.

C. Attendance Required: Job superintendent, major subcontractors and suppliers, Owner, Engineer, as appropriate to agenda topics for each meeting.

D. Agenda:

1. Review minutes of previous meetings.
2. Review of Work progress.
3. Field observations, problems, and decisions.
4. Identification of problems which impede planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to Work.

E. Owner will record minutes and distribute copies within 5 days after meeting to participants and those affected by decisions made.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Form of schedules.
- B. Content of schedules.
- C. Progress revisions.
- D. Submissions

1.02 FORM OF SCHEDULES

- A. Prepare schedules in form of horizontal bar chart.
 - 1. Provide separate horizontal bar for each operation.
 - 2. Horizontal time scale: Identify first work day of each week.
 - 3. Scale and spacing: To allow space for notations and future revisions.
- B. Format of listings: Chronological order of start of each item of Work.
- C. Contractor is responsible for scheduling own work.
- D. Work of this Contract shall be coordinated with simultaneous, on-going work of other contractors.

1.03 CONTENT OF SCHEDULES

- A. Progress schedule show:
 - 1. Complete sequence of work by activity.
 - 2. Dates for beginning, and completion of, each major element of design, procurement, and fabrication.
 - 3. **Maximum activity duration: 6 months**
 - 3.4. Projected percentage of completion for each item, as of first day of each month.
- B. Submittal Schedule for Shop Drawings, manuals, and Samples shall show dates for Contractor's submittals.

1.04 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide narrative report as needed to define:
 - 1. Statement summarizing the status and condition of the work.
 - 2. Status of major material procurement.
 - a. Description of work.
 - b. Date order is to be placed or the date order was placed.
 - c. Subcontractor's name.
 - 3. Problem areas, anticipated delays, and impact on schedule.
 - 4. Corrective action recommended, and its effect.

D. Progress photographs of specific parts of stages of work when requested by Owner.

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1.05 SUBMISSIONS

A. Submit initial schedules and revised progress schedules as indicated in Section 01335.

B. Submit 2 opaque reproducible copies of schedule to Owner and 2 to Engineer.

C. **Submit to Engineer electronic copy of schedule in Primavera P3 at end of each month. Schedule shall be coded such that it can be imported into Engineer's schedule. Coordinate coding required with Engineer.**

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Shop Drawings.
- B. Samples
- C. Contractor responsibilities.
- D. Submission requirements.
- E. Document submittal schedule.
- F. Resubmission requirements.
- G. Distribution.
- H. Engineer duties.

1.02 SHOP DRAWINGS

- A. Contractor shall submit the items listed in the "Document Submittal Schedule." of this Section and items listed under article "Submittals" in individual Specification Sections.
- B. Designate in construction schedule, or in separate coordinated schedule, dates for submission of all required documents.
- C. Shop Drawings shall be presented in clear and thorough manner, complete with respect to dimensions, design criteria, materials of construction, and like information to enable Engineer to review information as required.
- D. Sheet size:
 - 1. Minimum: 8-1/2" x 11".
 - 2. Maximum: 36" x 60".

1.03 CONTRACTOR RESPONSIBILITIES

- A. Review Shop Drawings prior to submission.
- B. Determine and verify:
 - 1. Field measurements.
 - 2. Field construction criteria.
 - 3. Catalog numbers and similar data.
 - 4. Conformance to Specifications.
- C. Coordinate each submittal with other submittals and with requirements of Work and of Contract Documents.
- D. Notify Engineer in writing, at time of submission, of any variation in submittals from requirements of Contract Documents. Any such deviations permitted by Engineer will require modifications of Contract Documents.
- E. Begin no fabrication or Work which requires submittals until return of submittals by Engineer with Engineer stamp, as either "Reviewed" or "Reviewed as Noted." Any related Work performed prior to such return of pertinent submittal will be sole expense and responsibility of Contractor.

1.04 SUBMISSION REQUIREMENTS

A. Make submittals to Engineer promptly in accordance with approved schedule, and in such sequence as to cause no delay in Work or in work of any other contractor.

B. Deliver submittals to:

Mr. Larry Shell
Stanley Consultants, Inc.
Stanley Building
225 Iowa Avenue
Muscatine, Iowa 52761

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C. Number of submittals required:

1. Shop Drawings:
 - a. Submit ~~5~~ 3 copies of each Shop Drawing.
 - b. Copies of Drawings submitted shall be black line on white background.
 - c. Engineer will use 35 mm microfilm system in processing Shop Drawings. Shop Drawings shall be suitable for microfilming. Shop Drawings submitted which are not suitable for microfilming will not be reviewed.
2. Drawings shall be rolled.

D. Submittals shall contain:

1. Date of submission and dates of any previous submissions.
2. Project title and number.
3. Contract identification.
4. Names of:
 - a. Contractor.
 - b. Supplier.
 - c. Manufacturer.
5. Identification of product, with Specification section number.
6. Field dimensions, clearly identified as such.
7. Relation to adjacent or critical features of Work or materials.
8. Applicable standards, such as ASTM or Federal Specification numbers.
9. Identification of deviations from Contract Documents.
10. Identification of revisions on resubmittals.
11. An 8" x 3" blank space for Contractor and Engineer stamps.
12. Indication of Contractor's approval, initialed or signed, with wording substantially as follows:

"Contractor represents to Owner and Engineer that Contractor has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or assumes full responsibility for doing so and has reviewed or coordinated each Shop Drawing or Sample with requirements of Work and Contract Documents."

13. Contract Documents include performance specifications stating required results which can be verified as meeting stipulated criteria. Design by Contractor prior to fabrication and construction is necessary. Engineering Drawings and Shop Drawings depicting such design must be prepared under direction of and sealed by professional engineer licensed in the State of Kentucky and retained by Contractor. Drawings and calculations include, **but not limited to, conveying equipment sizing and structural calculations, P&ID's, electrical distribution system plans, general arrangement plans, sections, elevations, and details of reinforced concrete, masonry, structural steel framing, structural steel connections, metal decking, miscellaneous metals, conveying equipment and similar items.** Such **calculations and** drawings shall be sealed and signed in accordance with applicable state regulations and with following certification statement:

"I hereby certify that this engineering document was prepared by me or under my direct personal supervision, that I am a duly licensed Professional Engineer under the laws of the

State of Kentucky and I accept responsibility for the adequacy of this document to meet criteria stipulated in the Contract Documents".

14 Shop Drawing Transmittal Form is bound herein. This form is also available on disk and may be obtained from the Engineer. Contractor shall reproduce any additional copies required and use in accordance with instructions given with Transmittal Form.

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1.05 DOCUMENT SUBMITTAL SCHEDULE

Item	Description	Reference Section Number	Time of Submittal (calendar days after Notice to Proceed unless noted otherwise)
GENERAL			
1.	Quality assurance manual		With Proposal
2.	Quality plan		30 days prior to first fabrication
3.	Welding procedures, including procedure qualification records	01460	90
4.	Preliminary construction progress schedules for fabrication, shop testing, delivery of equipment and construction	01320	With Proposal
5.	Construction / progress schedule	01320	15 days after Notice to Proceed and by the 10th of each month until construction is complete
6.	Preliminary Operating and Maintenance Manuals	01785	July 9, 2004
7.	Final Operating and Maintenance Manuals	01785	October 1, 2004
8.	Material Safety Data Sheets		60 days prior to first shipment to site
9.	Notice of presence of hazardous materials		When hazardous materials are shipped to site
TECHNICAL			
1.	Completed Bidder Data and Information forms	00434	With Proposal
2.	General arrangement drawings showing outline dimensions and clearances.	(H)	Preliminary with Proposal and Certified 30 days after Notice to Proceed
3.	Engineering and Shop Drawings for each piece of equipment and structural steel drawings showing plans and sections with member sizes.	05100, 05590	90
4.	Drawings showing foundation and anchorage requirements, loads applied to foundation (provide loads for each load case and combination at each support point), anchor bolt information (material, sizes, locations, projection and spacing), grouting, and other details to permit the design and construction of foundations for mounting equipment and structures. Equipment frequencies, as well as any imbalances, if any, shall be specified.		Preliminary 30 days; certified 60 days.
5.	Piping and instrument diagrams, instrument index and data sheets, power distribution diagrams, input/output (I/O) connection diagrams and layouts of all electrical enclosures, layouts of control and equipment rooms, piping details and routing, instrument location drawings, and installation details for all instrumentation supplied.		90

SHOP DRAW

TRANSMITTAL

Transmittal No. _____

Date Distributed _____

Project T. _____

Project Location _____

Project No. _____

Contract No. _____

Section No. _____

ENGINEER'S/ARCHITECT'S ACTION

Status Abbreviations:

- R - Reviewed
- RN - Reviewed as Noted
- RS - Resubmit
- RET - Returned Without Review
- FIO - For Information Only

- Cont.
- Res.
- Owner
- Mfr. or Supplier
- Design Dept.

CONTRACTOR'S TRANSMITTAL

Submittal No. & Type	Manufacturer	Mfr. Dwg. No.	Title	SC Dwg. No.	Status	Distribution (No.)			
						Cont.	Res.	Owner	Mfr. or Supplier

Contractor Remarks _____

Engineer's/Architect's Remarks _____

Contractor I.D. No. _____

Contractor Name _____

Address _____

BY _____ Date _____

By _____ Date _____

By Signature above, the Contractor shall certify that they have reviewed the shop drawings and that they comply with all applicable specification sections and contract drawings. Action of any kind on drawings by Engineer/Architect does not relieve Contractor from responsibility for errors, correctness of details, or conformance to the contract.



Stanley Consultants INC.

A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Quality control and control of installation
- B. Tolerances.
- C. Building codes and permits.
- D. References.
- E. Examination.
- F. Preparation

1.02 QUALITY CONTROL AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform Work by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on Shop Drawings or as instructed by manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, or disfigurement.

1.03 TOLERANCES

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

1.04 BUILDING CODES AND PERMITS

- A. "Hot Work Permits" are required for all jobs requiring hot work. Permits will be issued by Owner's supervisors.
- B. Obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses.

- C. Pay all governmental charges and inspection fees necessary for prosecution of Work, which are applicable at time of opening of Bids. Pay all charges of utility service companies for connections to Work. Owner will pay all charges of such companies for capital costs related thereto.
- D. **License from the City of Maysville, Kentucky is required for Contractor and all Subcontractors.**
- D.E. Give all notices and comply with all laws, ordinances, building and construction codes, rules, and regulations applicable to Work. If Contractor observes that Specifications or Drawings are at variance therewith, give Engineer prompt written notice thereof, and any necessary changes shall be adjusted by appropriate Modification.
- E.D. If Contractor performs any Work knowing or having reason to know that it is contrary to such laws, ordinances, rules, and regulations, and without such notice to Engineer, Contractor shall bear all costs arising therefrom; however, it shall not be Contractor's primary responsibility to make certain that Specifications and Drawings are in accordance with such laws, ordinances, rules, and regulations.

1.05 REFERENCES

- A. For products or workmanship specified by association, trade, or other consensus standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date for receiving bids, except where a specific date is established by code.
- C. Obtain copies of standards where required by product specification sections.
- D. Should specified reference standards conflict with Construction Contract - Generating, request clarification from the Engineer before proceeding.
- E. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Engineer shall be altered from the Construction Contract - Generating by mention or inference otherwise in any reference document.
- F. Abbreviations used in Drawings and Specifications are as specified in ANSI Y1.1 and IEEE 260.
- G. Schedule of references:
 1. AA - Aluminum Association
 2. AAMA – Architectural Aluminum Manufacturer’s Association
 3. AABC - Associated Air Balance Council
 4. AAMA - American Architectural Manufacturers Association
 5. AAN – American Association of Nurserymen
 6. AAR –Association of American Railroads
 7. AASHTO - American Association of State Highway and Transportation Officials
 8. ABMA - American Bearing Manufacturers Association
 9. ACI - American Concrete Institute
 10. ACGIH - American Conference of Governmental Industrial Hygienists
 11. ACIL - American Council of Independent Laboratories
 12. ADC - Air Diffusion Council
 13. ADSC - The International Association of Foundation Drilling
 14. AF&PA – American Forest & Paper Association
 15. AFS – American Foundrymen’s Society
 16. AGA - American Gas Association
 17. AGMA - American Gear Manufacturers Association
 18. AHA - American Hardboard Association
 19. AI - Asphalt Institute
 20. AIChE – American Institute of Chemical Engineers

21. AISC - American Institute of Steel Construction
22. AISI - American Iron and Steel Institute
23. AITC - American Institute of Timber Construction
24. AMCA - Air Movement and Control Association
25. ANSI - American National Standards Institute
26. APA – American Pulpwood Association
27. APA/EWA- APA -The Engineered Wood Association
28. API - American Petroleum Institute
29. APMO - International Association of Plumbing
30. AREMA - American Railway Engineering and Maintenance-of-Way Association
31. ARI - Air-Conditioning and Refrigeration Institute
32. ARRA - Asphalt Recycling and Reclaiming Association
33. ASA – Acoustical Society of America
34. ASCE – American Society of Civil Engineers
35. ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers
36. ASME - American Society of Mechanical Engineers
37. ASPA - American Sod Producers Association
38. ASSE - American Society of Sanitary Engineering
39. ASTM - American Society for Testing and Materials
40. AWI - Architectural Woodwork Institute
41. AWPA - American Wood-Preservers' Association
42. AWS - American Welding Society
43. AWWA – American Water Works Association
44. BIA – Brick Industry Association
45. BOCA - Building Officials & Code Administrators International, Inc.
46. CDA - Copper Development Association Inc.
47. CBM - Certified Ballast Manufacturers Association
48. CEMA – Conveyor Equipment Manufacturer's Association
49. CGA - Compressed Gas Association
50. Cisca - Ceilings and Interior Systems Construction Association
51. CISPI – Cast Iron Soil Pipe Institute
52. CLFMI - Chain Link Fence Manufacturers Institute
53. CMAA - Crane Manufacturers Association of America
54. CPSC - Consumer Products Safety Council
55. CRI - Carpet and Rug Institute
56. CRSI - -Concrete Reinforcing Steel Institute
57. CSSB - Cedar Shake and Shingle Bureau
58. CTI - Cooling Technology Institute
59. DASMA - Door and Access Systems Manufacturers Association International
60. DHI - Door and Hardware Institute
61. DIN - Deutsche Normen
62. EIA - Electronic Industries Alliance
63. EIMA - EIFS Industry Members Association
64. EJMA - Expansion Joint Manufacturers Association
65. EPA - Environmental Protection Agency
66. ETL - Electrical Testing Laboratory
67. FAA - Federal Aviation Administration
68. FM – FM Global
69. FS - Federal Specification Unit
70. GA - Gypsum Association
71. GANA - Glass Association of North America
72. HI – Hydraulics Institute
73. HI - Hydronics Institute
74. HMI - Hoist Manufacturer's Institute
75. HMMA - Hollow Metal Manufacturers Association
76. HPVA – Hardwood Plywood and Veneer Association
77. IAS - International Approval Services
78. IAPMO - International Association of Plumbing and Mechanical Officials

79. ICAC - Institute of Clean Air Companies
80. ICBO - International Conference of Building Officials
81. ICC - International Code Council, Inc.
82. ICEA - Insulated Cable Engineers Association
83. IEC - International Electro-technical Council
84. IEEE - Institute of Electrical and Electronics Engineers
85. IES - Illuminating Engineering Society
86. IETF - Internet Engineering Task Force
87. IGCC - Insulating Glass Certification Council
88. ILI - Indiana Limestone Institute of America
89. ISA – Instrumentation, Systems, and Automation Society
90. ISO - International Standards Organization
91. ITU - International Telecommunications Union
92. KCMA - Kitchen Cabinet Manufacturers Association
93. LPI - Lightning Protection Institute
94. MBMA - Metal Building Manufacturers Association
95. MFMA - Maple Flooring Manufacturers Association
96. MIA - Marble Institute of America
97. MS - Military Standardization Documents
98. MSS - Manufacturer's Standardization Society of the Valve and Fittings Industry
99. NAA - National Arborist Association
100. NAAMM - National Association of Architectural Metal Manufacturers
101. NAAMM - North American Association of Mirror Manufacturers
102. NACE – NACE International
103. NAIMA - North American Insulation Manufacturers Association
104. NBHA - National Builders Hardware Association
105. NBGQA - National Building Granite Quarries Association, Inc.
106. NBS - National Bureau of Standards
107. NCMA - National Concrete Masonry Association
108. NCTA - National Cable Television Association
109. NCRP - National Council on Radiation Protection and Measurement
110. NEBB - National Environmental Balancing Bureau
111. NECA - National Electrical Contractors Association
112. NELMA - National Electrical Contractors Association
113. NEMA - National Electrical Manufacturers' Association
114. NETA - International Electrical Testing Association
115. NFPA - National Fire Protection Association
116. NFRC - National Fenestration Rating Council
117. NHLA - National Hardwood Lumber Association
118. NIBS - National Institute of Building Sciences
119. NIST - National Institute of Standards and Technology
120. NRMCA - National Ready Mixed Concrete Association
121. NLA - National Lime Association
122. NLGA - National Lumber Grades Authority
123. NOFMA - National Oak Flooring Manufacturers Association
124. NPCA - National Paint and Coatings Association
125. NRCA – National Roofing Contractors Association
126. NRMCA – National Ready Mixed Concrete Association
127. NSF – NSF International
128. NSPI – National Spa and Pool Institute
129. NTMA – National Terrazzo and Mosaic Association
130. NUCA – National Utility Contractors Association
131. NWWMA – National Woodwork Manufacturer's Association
132. NWWDA - National Wood Window and Door Association.
133. OSHA – U. S. Department of Labor, Occupational Safety and Health Administration
134. PCA - Portland Cement Association
135. PCI – Precast/Prestressed Concrete Institute
136. PDCA – Painting and Decorating Contractors of America

- 137. PDI – Plumbing and Drainage Institute
- 138. PFI - Pipe Fabrication Institute
- 139. PS - Product Standard
- 140. PTI – Post Tensioning Institute
- 141. RCSC – Research Council on Structural Connections
- 142. RIS – The Redwood Inspection Service
- 143. RUS – U. S. Department of Agriculture, Rural Utilities Services
- 144. SAE – Society of Automotive Engineers
- 145. SAMA - Scientific Apparatus Makers Association
- 146. SBCCI - Southern Building Code Congress International
- 147. SCMA – Southern Cypress Manufacturers Association
- 148. SCTE - Society of Cable Telecommunications Engineers
- 149. SDI - Steel Deck Institute
- 150. SDI - Steel Door Institute
- 151. SIGMA - Sealed Insulating Glass Manufacturers Association
- 152. SJI - Steel Joist Institute
- 153. SMACNA - Sheet Metal and Air Conditioning Contractors' National Association
- 154. SPIB – Southern Pine Inspection Bureau
- 155. SPRI – Single Ply Roofing Institute
- 156. SSPC – The Society for Protective Coatings
- 157. STI – Steel Tank Institute
- 158. SWI – Steel Window Institute
- 159. SWRI – Sealant, Waterproofing, and Restoration Institute
- 160. TCA – Tile Council of America, Inc.
- 161. TEMA - Tubular Exchanger Manufacturers Association
- 162. TIA/EIA – Telecommunications Industry Association/Electronic Industries Alliance
- 163. TMA – The Masonry Society
- 164. TPI – Truss Plate Institute
- 165. TPI – Turfgrass Producers International
- 166. UL - Underwriters' Laboratories, Inc.
- 167. WCLIB - West Coast Lumber Inspection Bureau
- 168. WDMA – Window and Door Manufacturers Association
- 169. WH – Intertek Testing Services, Warnock Hersey Listing Services
- 170. WIC – Woodwork Institute of California
- 171. WWPA – Western Wood Products Association

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PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new Work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.
- D. Verify that utility services are available, of the correct characteristics, and in the correct locations.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.

- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

END OF SECTION

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Service engineer responsibilities.

1.02 SERVICE ENGINEER RESPONSIBILITIES

- A. Contractor shall provide qualified Service Engineer(s), as necessary to:
 - 1. Instruct and advise Contractor regarding proper method for unloading, erecting, and installing equipment to assure installation in accordance with manufacturer's instructions
 - 2. Assure that alignment and clearances of equipment are checked and adjusted to allowable tolerances.
 - 3. Inspect completed installation to assure that apparatus is in operating condition, making such detailed checks of equipment installation as are necessary to ascertain that equipment is assembled, installed, aligned, connected, lubricated, and prepared for operation in accordance with manufacturer's instructions and recommendations.
 - 4. Provide Owner with duplicate copies of final alignment and clearance measurements on all rotating or reciprocating equipment. Measurements shall clearly identify each piece of equipment.
Owner will witness final alignments.
 - 5. Supervise preliminary operation of equipment and necessary adjustments.
 - 6. Fully instruct Owner's operating personnel in operation and maintenance of equipment.
 - 7. Witness acceptance tests and assist in their performance.
- B. Presence of Service Engineer will in no way relieve Contractor of any responsibility assumed under Agreement.
- C. Contractor shall include in Bid Price time and expenses as necessary to complete Service Engineer's responsibilities defined in this Specification.
- D. Work and abilities of Service Engineer shall be subject to review of Owner. If Owner determines that any Service Engineer is not properly qualified, Contractor shall replace Service Engineer upon written notification by Owner.
- E. Contractor shall provide continuity in assignment of Service Engineer to Work. ~~In event substitution of Service Engineer is made which is not at request of Owner, substitute's time for "familiarization" shall be at Contractor's expense.~~

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 FIELD PERFORMANCE TESTS

- A. Performance tests will be scheduled as soon as practicable but not later than 180 days after all associated equipment have been placed in "on-line" operating service and proved capable for continuous normal operation. Shutdowns of limited duration for normal operational checks, inspections, and adjustments will not be considered as causing equipment to be incapable of continuous operation.
- B. Performance tests:
1. Contractor shall be responsible for each equipment component and shall notify Engineer in writing when installation of its equipment is considered to be complete, in good operating condition, and ready for performance tests. This notice shall not be given until such time as all designed operational functions have been positively proved in actual operation or by simulated operational tests.
 2. Engineer will coordinate between concerned Contractors and will establish schedule for performance tests. Upon establishment of test schedule, Engineer will give minimum of 10 days' notice to all concerned parties.
 3. Such tests as are deemed necessary by Engineer to establish that equipment function properly and that guarantees are met will be conducted by Engineer.
 4. Owner will furnish fuel, oil, water, and operating personnel for tests.
 5. Contractor shall witness tests and assist in their performance.
 6. Station instruments supplemented by necessary portable test instruments will be used for tests.
 7. All costs for initial performance tests, except for costs of Contractor's personnel **and Service Engineer**, will be borne by Owner.
- C. Following tests will be performed on coal and limestone handling systems:
1. Trial run without load: 24 hours continuous operation.
 2. Trial run under load: 16 hours total at 40% to 60% maximum capacity.
 3. Performance test: 16 hours total at 100% maximum capacity.
 4. During trial runs, adjustment of mechanical equipment may be performed.
 5. Test under load will be run over multiple time periods. Number of periods is dependent upon unit load and other factors.
- D. If guaranteed performance is not achieved in initial performance tests, Contractor shall make necessary changes and adjustments to equipment at no cost to Owner and notify Engineer when ready for retesting or supplemental testing.
- E. Retesting or supplemental testing:
1. Engineer, after giving notice, will perform retesting or supplemental testing it deems necessary to further check performance of equipment.
 2. All costs, except for costs of fuel, oil, water, and Owner's operating personnel, shall be borne by Contractor.
 3. Owner and Engineer will each render bill to be paid by Contractor covering costs incurred by retesting or supplemental testing, except as noted herein.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

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1.01 SECTION INCLUDES

- A. Welding requirements.
- B. Procedure qualification.
- C. Performance qualification.
- D. Submittals.

1.02 WELDING REQUIREMENTS

- A. Welding shall be performed by qualified welding operators using procedures which have been qualified in accordance with applicable codes and standards:
 - 1. ANSI B31.1 Power Piping Code
 - 2. ASME Boiler and Pressure Vessel Code.
 - 3. AWS D1.1 Structural Welding Code.

1.03 PROCEDURE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for obtaining and qualifying welding procedures. Structural welding procedures conforming to AWS D1.1 are prequalified as defined in AWS D1.1, Chapter 5-4 and Appendix Annex E.
- B. Contractor shall maintain records, and make available to Owner when requested, certifying successful completion of procedure qualification tests.
- C. ~~Owner reserves right to require any welder to retake tests when, in opinion of Owner, work of welder creates reasonable doubt as to his proficiency; Owner reserves right to witness any required retesting; conduct such tests at no additional expense to Owner.~~

1.04 PERFORMANCE QUALIFICATION

- A. Contractor, Subcontractor, or fabricator performing welding under jurisdiction of referenced codes shall be responsible for testing and qualifying its welding operators in accordance with applicable codes, using qualified procedures.
- B. ~~Unless welding operators have been previously qualified by Contractor within last 6 months and have been continuously employed as welders by Contractor following qualification, requalification tests must be performed~~ **Test all welders on-site to demonstrate qualifications. All tests shall be administered by a certified welding inspector. Owner will witness testing.**

1.05 SUBMITTALS

- A. Except for procedures exempted to AWS D1.1, Section 5-4 **4.1**, submit 3 copies of each welding procedure to Engineer with certificate demonstrating successful qualification of welding procedures for each welding process performed: AWS D1.1 - Forms E-1, E-2, E-3, or ASME QW-483.
- B. Prior to execution of any welding, submit to Engineer 1 copy of welder qualification form for each individual performing welding: AWS D1.1 Form E-4 or ASME QW-484.

PART 2 PRODUCTS

NOT USED

PSC Request 1a.
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PAGE 91

PART 3 EXECUTION

3.01 WELDING PROCESSES

- A. Shielded metal arc, gas metal arc, flux cored arc, submerged arc, or gas-tungsten arc.
- B. Root pass of piping butt welds shall be as specified in Pipe Code Schedule.
 - 1. "Type 1" Gas Tungsten Arc Welding (GTAW) required
 - 2. "Type 2"
 - a. Materials other than carbon steel: GTAW required.
 - b. Carbon steel: GTAW or Shielded metal arc welding using either E6010 or E7010 electrodes with open butt root pass
 - 3. "Type 3" GTAW not required.
- C. During fit up of piping, only GTAW welds or other nonwelded means of temporarily holding pipe together shall be used, without exception.
- D. Use only one welder for each joint, except where specifically approved by Owner.
- E. Store and redry electrodes, as necessary, in accordance with manufacturer's recommendations.
- F. Upon completion of weld, attach weld number, welder's identification, and such other identification required by fabricator, to pipe adjacent to weld.
 - 1. On carbon steel pipe: stamp on pipe metal.
- G. Weld slip-on flanges on both front and back.
- H. Seal-weld thermometer wells, thermocouple wells, and piping noted on Drawings or Specifications as "seal-welded," except as specifically instructed otherwise by Owner.

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities:
 - 1. Temporary plant services.
 - 2. Temporary lighting for construction purposes
 - 3. Temporary heating.
 - 4. Temporary ventilation.
 - 5. Telephone service.
 - 6. Facsimile service.
 - 7. Temporary water service.
 - 8. Temporary sanitary facilities

- B. Construction facilities:
 - 1. Field offices and sheds.
 - 2. Vehicular access.
 - 3. Parking.
 - 4. Progress cleaning and waste removal.

- C. Temporary controls:
 - 1. Barriers.
 - 2. Security.
 - 3. Water control.
 - 4. Dust control.
 - 5. Erosion and sediment control.
 - 6. Noise control.
 - 7. Pollution control.

- D. Removal of utilities, facilities, and controls.

1.02 TEMPORARY PLANT SERVICES

- A. Electrical energy in reasonable quantities will be furnished at job site for use in construction. If Contractor's requirements are in excess of Owner's facilities, Contractor shall furnish additional service at own expense.

- B. Service point equipped to supply 3-phase, 480-volt, 60 Hz power will be installed by Owner.

- C. Contractor shall supply 480-volt to 120-volt load centers. Contractor shall furnish and install temporary wiring with suitable fused safety switches from this point as required. Wiring shall be suitable for load and service involved and subject to approval of Owner. Capacity will be shared with other contractors.

- D. Requirements for electrical services must be stated in Proposal and will be reviewed by Owner for availability.

- E. Other services, including compressed air, shall be provided by Contractor to meet own requirements.

1.03 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

- A. Provide and maintain incandescent lighting for construction operations to achieve a minimum lighting level of **2-watt/sq-ft5 fc at floor, platform and stair level. Additional task lighting shall be provided for unusual locations or scaffolding.**

F. Substitution submittal procedure:

1. Submit 3 copies of request for Substitution for consideration. Limit each request to one proposed Substitution.
2. Submit Shop Drawings, Product Data, and certified test results attesting to the proposed product equivalence. Burden of proof is on proposer.
3. Engineer will notify Owner in writing of decision to accept or reject request

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

17500.03.00

ms493

TEMPORARY FACILITIES AND CONTROLS

SECTION 01500 - Page 5

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

PSC Request 1a.
Attachment No. 17
PAGE 94

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Products.
- B. Product delivery requirements.
- C. Product options.
- D. Product substitution procedures.

1.02 PRODUCTS

- A. Products include material, equipment, and systems.
- B. Provide products of qualified manufacturers suitable for intended use. Provide products of each type by a single manufacturer unless specified otherwise.

1.03 PRODUCT DELIVERY REQUIREMENTS

- A. Transport and handle products in accordance with manufacturer's instructions.

1.04 PRODUCT OPTIONS

- A. Within 60 days after effective date of Contract, submit complete list of products proposed, with name of manufacturer, trade name, and model.
 - 1. Products specified only by reference standard: Any product meeting that standard.
 - 2. Products specified by naming several manufacturers: Products of any named manufacturer meeting specifications.
 - 3. Products specified by naming one or more manufacturers and "or equal": Submit request for substitution for any manufacturer not specifically named.
 - 4. Products specified by naming only one manufacturer: No option.

1.05 PRODUCT SUBSTITUTION PROCEDURES

- A. Engineer will consider requests for Substitutions only within 60 days after effective date of Contract.
- B. Substitutions may be considered when a product becomes unavailable through no fault of Contractor.
- C. Document each request with complete data substantiating compliance of proposed Substitution with Construction Contract - Generating.
- D. Request constitutes representation that Contractor:
 - 1. Has investigated proposed product and determined that it meets or exceeds quality level of specified product.
 - 2. Will provide same warranty for Substitution as for specified product.
 - 3. Will coordinate installation and make changes to other Work which may be required for Work to be complete with no additional cost to Owner.
 - 4. Waives claims for additional costs or time extension which may subsequently become apparent.
- E. Substitutions will not be considered when they are indicated or implied on Shop Drawing or Product Data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.

- F. Substitution submittal procedure:
1. Submit 3 copies of request for Substitution for consideration. Limit each request to one proposed Substitution.
 2. Submit Shop Drawings, Product Data, and certified test results attesting to the proposed product equivalence. Burden of proof is on proposer.
 3. Engineer will notify Owner in writing of decision to accept or reject request.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 17
PAGE 97

1.01 SECTION INCLUDES

- A. General storage.
- B. Enclosed storage.
- C. Exterior storage.
- D. Maintenance of storage.
- E. Maintenance of equipment storage.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 GENERAL STORAGE

- A. Store products immediately on delivery in accordance with manufacturer's instructions, with seals and labels intact. Protect until installed.
- B. Arrange storage in manner to provide access for maintenance of stored items and for inspection.
- C. **Provide manufacturer's storage requirements to Owner. No payments will be made for delivered equipment unless manufacturer's storage requirements have been provided.**

3.02 ENCLOSED STORAGE

- A. Store products subject to damage by elements in substantial weathertight enclosures.
- B. Maintain temperature and humidity within ranges required by manufacturer's instructions.
- C. Provide humidity control and ventilation for sensitive products, as required by manufacturer's instructions.
- D. Store unpacked and loose products on shelves, in bins, or in neat groups of like items.

3.03 EXTERIOR STORAGE

- A. Provide substantial platforms, blocking, or skids, to support fabricated products above ground; slope to provide drainage. Protect products from soiling and staining.
- B. For products subject to discoloration or deterioration from exposure to elements, cover with impervious sheet material. Provide ventilation to avoid condensation.
- C. Store loose granular materials on clean, solid surfaces such as pavement, or on rigid sheet materials, to prevent mixing with foreign matter.
- D. Provide surface drainage to prevent flow or ponding of rainwater.
- E. Prevent mixing of refuse or chemically injurious materials or liquids.

3.04 MAINTENANCE OF STORAGE

- A. Periodically inspect stored products on scheduled basis. Maintain log of inspections, make available to Owner on request.
- B. Verify storage facilities comply with manufacturer's product storage requirements.
- C. Verify manufacturer required environmental conditions are maintained continually.
- D. Verify surfaces of products exposed to elements are not adversely affected and if weathering of finishes is acceptable under requirements of Contract Documents.

3.05 MAINTENANCE OF EQUIPMENT STORAGE

- A. For mechanical and electrical equipment in long-term storage, manufacturer's service instructions shall accompany each item, with notice of enclosed instructions shown on exterior of package.
- B. Service equipment on regularly scheduled basis, maintaining log of services; submit as record document.

END OF SECTION

PSC Request 1a.
Attachment No. 17
PAGE 99

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Spare parts and maintenance products.

1.02 SPARE PARTS AND MAINTENANCE PRODUCTS

- A. Provide products, spare parts, and maintenance materials in quantities specified in each Section, in addition to that required for completion of Work. Coordinate with Owner, deliver to Project Site and obtain receipt prior to final payment.
- B. Provide to Owner any special tools required for operation or maintenance of equipment.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 17
PAGE 100

1.01 SECTION INCLUDES

- A. Substantial completion.
- B. Final completion.
- C. Reinspection fees.
- D. Closeout submittals.
- E. Adjustment of accounts.
- F. Application for final payment.

1.02 SUBSTANTIAL COMPLETION

- A. When Contractor considers Work or designated portion thereof as substantially complete, submit written notice, with list of items to be completed or corrected.
- B. Within reasonable time, Owner will inspect to determine status of completion.
- C. Should Owner determine that Work is not substantially complete, it will promptly notify Contractor in writing, giving reasons therefor.
- D. Contractor shall remedy deficiencies, and send second written notice of substantial completion, and Owner will reinspect Work.
- E. When Owner determines that Work is substantially complete, it will prepare Certificate of Substantial Completion in accordance with General Conditions.

1.03 FINAL COMPLETION

- A. When Contractor considers Work is complete, it shall submit written certification that:
- B. Contract Documents have been reviewed.
- C. Work has been inspected for compliance with Contract Documents.
- D. Work has been completed in accordance with Contract Documents, and deficiencies listed with Certificate of Substantial Completion have been corrected.
- E. Equipment and systems have been tested in presence of Owner's representative and are operational.
- F. Work is complete and ready for final inspection.
- G. Owner will inspect to verify status of completion with reasonable promptness.
- H. Should Owner consider that Work is incomplete or defective, it will promptly notify Contractor in writing, listing incomplete or defective Work.
- I. Contractor shall take immediate steps to remedy deficiencies and send second written certification that Work is complete, and Owner will reinspect Work.
- J. When Owner finds Work is acceptable, it will consider closeout submittals.

1.04 CLOSEOUT SUBMITTALS

- A. Evidence of compliance with requirements of governing authorities:
- B. Project record documents: In accordance with Section 01780.
- C. Operation and maintenance data, instructions to Owner's personnel: In accordance with Section 01785.
- D. Warranties and Bonds: In accordance with RUS Form 200 and Standard General Conditions.
- E. Evidence of payment and release of liens: In accordance with RUS Form 200 and Standard General Conditions.
- F. Consent of Surety to final payment.
- G. Certificates of insurance for products and completed operations: In accordance with RUS Form 200 and Standard General Conditions.

1.05 ADJUSTMENT OF ACCOUNTS

- A. Submit final statement of accounting, reflecting adjustments to Contract Price:
- B. Original Contract Price.
- C. Additions and deductions resulting from:
 - 1. Previous Change Authorization Requests.
 - 2. Allowances.
 - 3. Unit prices.
 - 4. Deductions for uncorrected Work.
 - 5. Penalties and bonuses.
 - 6. Deductions for liquidated damages.
 - 7. Deductions for reinspection payments.
 - 8. Other adjustments.
- D. Total Contract Price, as adjusted.
- E. Previous payments.
- F. Sum remaining due.
- G. Owner will issue final Amendment, reflecting approved adjustments to Contract Price not previously made by Change Authorization Requests or Amendment.

1.06 APPLICATION FOR FINAL PAYMENT

- A. Submit Application for Final Payment in accordance with procedures and requirements in conditions of Agreement.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Substantial completion.
- B. Final completion
- C. Reinspection fees
- D. Closeout submittals.
- E. Adjustment of accounts.
- F. Application for final payment.

1.02 SUBSTANTIAL COMPLETION

- A. When Contractor considers Work or designated portion thereof as substantially complete, submit written notice, with list of items to be completed or corrected
- B. Within reasonable time, Owner will inspect to determine status of completion.
- C. Should Owner determine that Work is not substantially complete, it will promptly notify Contractor in writing, giving reasons therefor.
- D. Contractor shall remedy deficiencies, and send second written notice of substantial completion, and Owner will reinspect Work.
- E. When Owner determines that Work is substantially complete, it will prepare Certificate of Substantial Completion in accordance with General Conditions.

1.03 FINAL COMPLETION

- A. When Contractor considers Work is complete, it shall submit written certification that:
- B. Contract Documents have been reviewed.
- C. Work has been inspected for compliance with Contract Documents.
- D. Work has been completed in accordance with Contract Documents, and deficiencies listed with Certificate of Substantial Completion have been corrected.
- E. Equipment and systems have been tested in presence of Owner's representative and are operational.
- F. Work is complete and ready for final inspection.
- G. Owner will inspect to verify status of completion with reasonable promptness.
- H. Should Owner consider that Work is incomplete or defective, it will promptly notify Contractor in writing, listing incomplete or defective Work.
- I. Contractor shall take immediate steps to remedy deficiencies and send second written certification that Work is complete, and Owner will reinspect Work.
- J. When Owner finds Work is acceptable, it will consider closeout submittals.

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1.04 CLOSEOUT SUBMITTALS

- A. Evidence of compliance with requirements of governing authorities:
- B. Project record documents: In accordance with Section 01780.
- C. Operation and maintenance data, instructions to Owner's personnel: In accordance with Section 01785.
- D. Warranties and Bonds: In accordance with RUS Form 200 and Standard General Conditions
- E. Evidence of payment and release of liens: In accordance with RUS Form 200 and Standard General Conditions.
- F. Consent of Surety to final payment.
- G. Certificates of insurance for products and completed operations: In accordance with RUS Form 200 and Standard General Conditions.

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 - 1. Previous Change Authorization Requests.
 - 2. Allowances.
 - 3. Unit prices.
 - 4. Deductions for uncorrected Work.
 - 5. Penalties and bonuses.
 - 6. Deductions for liquidated damages.
 - 7. Deductions for reinspection payments.
 - 8. Other adjustments.
- D. Total Contract Price, as adjusted.
- E. Previous payments.
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1.06 APPLICATION FOR FINAL PAYMENT

- A. Submit Application for Final Payment in accordance with procedures and requirements in conditions of Agreement.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

PSC Request 1a.
Attachment No. 17
PAGE 104

1.01 SECTION INCLUDES

- A. Maintenance of documents and samples
- B. Marking devices.
- C. Recording
- D. Submittal.

1.02 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Maintain at Site for Owner one record copy of:
 - 1. Drawings.
 - 2. Specifications.
 - 3. Addenda.
 - 4. Change Authorization Requests and other Modifications to Agreement.
 - 5. Owner Instructions to Contractor or written instructions.
 - 6. Reviewed Shop Drawings and Samples.
 - 7. Field test records.
 - 8. Construction photographs.
- B. Store documents and Samples in Contractor's field office apart from documents used for construction.
 - 1. Provide files and racks for storage of documents.
 - 2. Provide locked cabinet or secure storage space for storage of Samples.
- C. File documents and Samples in accordance with Construction Specifications Institute (CSI) format
- D. Maintain documents in clean, dry, legible condition and in good order. Do not use record documents for construction purposes.
- E. Make documents and Samples available at all times for reference by Owner.

1.03 MARKING DEVICES

- A. Provide felt tip marking pens for recording information in color code designated by Owner.

1.04 RECORDING

- A. Label each document "PROJECT RECORD" in neat large printed letters.
- B. Record information concurrently with construction progress. Do not conceal any Work until required information is recorded.
- C. Drawings shall be legibly marked to record actual construction:
 - 1. Depths of various elements of foundation in relation to finish first floor datum.
 - 2. Horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - 3. Location of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of structure.
 - 4. Field changes of dimension and detail.
 - 5. Changes made by Instruction to Contractor or by Change Authorization Request.
 - 6. Details not on original contract Drawings.

- D. Specifications and Addenda shall be legibly marked to record:
 - 1. Manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually installed.
 - 2. Changes made by Instruction to Contractor or by Change Order.

1.05 SUBMITTAL

- A. At Agreement close-out, deliver record documents to Owner.
- B. Accompany submittal with transmittal letter in duplicate, containing:
 - 1. Date.
 - 2. Project title and number.
 - 3. Contractor's name and address.
 - 4. Title and number of each record document.
 - 5. Signature of Contractor or its authorized representative.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Operating and maintenance data requirements.
- B. Quality assurance.
- C. Form of submittals.
- D. Content of manual.
- E. Manual for equipment and systems.
- F. Submittal schedule.
- G. Instruction of Owner's personnel.

1.02 OPERATING AND MAINTENANCE DATA REQUIREMENTS

- A. Compile product data and related information appropriate for Owner's maintenance and operation of equipment furnished under this Contract.
- B. Prepare operating and maintenance data as specified in this section and as referenced in other pertinent sections of Specifications.
- C. Instruct Owner's personnel in maintenance of products and in operation of equipment and systems.

1.03 QUALITY ASSURANCE

- A. Preparation of data shall be done by personnel:
 - 1. Trained and experienced in maintenance and operation of described products
 - 2. Familiar with requirements of this section.
 - 3. Skilled as technical writers to extent required to communicate essential data.
 - 4. Skilled as draftsmen competent to prepare required drawings.

1.04 FORM OF SUBMITTALS

- A. Prepare data in form of an instructional manual for use by Owner's personnel.
- B. Format:
 - 1. Size 8-1/2" x 11".
 - 2. Paper: 20 lb minimum, white, for typed pages.
 - 3. Text: Manufacturer's printed data, or neatly typewritten.
 - 4. Drawings:
 - a. Provide reinforced punched binder tab, bind in with text.
 - b. Fold larger drawings to size of text pages.
 - 5. Provide fly-leaf for each separate product, or each piece of operating equipment.
 - a. Provide typed description of product, and major component parts of equipment.
 - b. Provide indexed tabs.
 - 6. Cover: Identify each volume with typed or printed title "OPERATING AND MAINTENANCE INSTRUCTIONS." Refer to diagram at end of this Section. List:
 - a. Title of Project.
 - b. Identity of separate structure as applicable.
 - c. Identity of general subject matter covered in manual.

7. Binders:
 - a. Commercial quality post-type binders with durable and cleanable plastic covers.
 - b. Maximum size: 3".
 - c. When multiple binders are used, correlate data into related consistent groupings.

1.05 CONTENT OF MANUAL

- A. Neatly typewritten table of contents for each volume, arranged in systematic order.
 1. Contractor, name of responsible principal, address, and telephone number.
 2. List of each product required to be included, indexed to content of volume.
 3. List, with each product, name, address, and telephone number of:
 - a. Subcontractor or installer.
 - b. Maintenance contractor, as appropriate.
 - c. Identify area of responsibility of each.
 - d. Local source of supply for parts and replacement and list of recommended spare parts.
 4. Identify each product by product name and other identifying symbols as set forth in Construction Contract - Generating, including nameplate information and shop order numbers for each item of equipment furnished.
- B. Product data.
 1. Include only those sheets which are pertinent to specific product.
 2. Annotate each sheet to:
 - a. Clearly identify specific product or part installed.
 - b. Clearly identify data applicable to installation.
 - c. Delete references to inapplicable information.
- C. Drawings:
 1. Supplement product data with Drawings as necessary to clearly illustrate:
 - a. Relations of component parts of equipment and systems.
 - b. Control and flow diagrams.
 2. Coordinate Drawings with information in Project record documents to assure correct illustration of completed installation.
 3. Do not use Project record documents as maintenance Drawings.
- D. Written text, as required to supplement product data for particular installation.
 1. Organize in consistent format under separate headings for different procedures.
 2. Provide logical sequence of instructions for each procedure.
- E. Copy of each warranty, Bond, and service contract issued. Provide information sheet for Owner's personnel, giving:
 1. Proper procedures in event of failure.
 2. Instances which might affect validity of warranties or Bonds.

1.06 MANUAL FOR EQUIPMENT AND SYSTEMS

- A. Submit 15 hard copies and 1 electronic copy on compact disc (CD) of complete manual in final form.
- B. Contents, for each unit of equipment and system, as appropriate:
 1. Description of unit and component parts:
 - a. Function, normal operating characteristics, and limiting conditions.
 - b. Performance curves, engineering data, and tests.
 - c. Complete nomenclature and commercial number of replaceable parts.
 2. Operating procedures:
 - a. Startup, break-in, routine, and normal operating instructions.
 - b. Regulation, control, stopping, shutdown, and emergency instructions.
 - c. Summer and winter operating instructions.
 - d. Special operating instructions.

3. Maintenance procedures
 - a. Routine operations.
 - b. Guide to "trouble-shooting."
 - c. Disassembly, repair, and reassembly.
 - d. Alignment, adjusting, and checking
 4. Servicing and lubrication schedule:
 - a. **List of lubricants required.**
 - b. **Provide 1 electronic ODBC spreadsheet and 1 hardcopy of a coordinated servicing and lubrication schedule for equipment furnished under this Contract.**
 5. Manufacturer's printed operating and maintenance instructions.
 6. Description of sequence of operation by control manufacturer.
 7. Original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
 - a. Predicted life of parts subject to wear.
 - b. Items recommended to be stocked as spare parts. Provide part numbers for recommended spare parts.
 8. As-installed control diagrams by controls manufacturer.
 9. Chart of valve tag numbers, with location and function of each valve.
 10. List of original manufacturer's spare parts, manufacturer's current prices, and recommended quantities to be maintained in storage.
 11. Other data as required under pertinent sections of Specifications.
- C. Content, for each electrical and electronic system, as appropriate.
1. Description of system and component parts:
 - a. Function, normal operating characteristics, and limiting conditions.
 - b. Performance curves, engineering data, and tests.
 - c. Complete nomenclature and commercial number of replacement parts.
 2. Circuit directories of panelboards:
 - a. Electrical service
 - b. Controls.
 - c. Communications.
 3. As-installed wiring diagrams.
 4. Operating procedures:
 - a. Routine and normal operating instructions.
 - b. Sequences required.
 - c. Special operating instructions.
 5. Maintenance procedures:
 - a. Routine operations.
 - b. Guide to "trouble-shooting "
 - c. Disassembly, repair, and assembly.
 - d. Adjustment and checking.
 6. Manufacturer's printed operating and maintenance instructions.
 7. List of original manufacturer's spare parts, manufacturer's current prices, and recommended quantities to be maintained in storage.
 8. Other data as required under pertinent sections of Specifications.
- D. **Spare parts list. Provide 1 electronic ODBC spreadsheet and 1 hardcopy of a coordinated spare parts listing for equipment furnished under this Contract.**
- D.E. Prepare and include additional data when need for such data becomes apparent during instruction of Owner's personnel.
- E.F. Additional requirements for operating and maintenance data: Respective sections of Specifications.

1.07 SUBMITTAL SCHEDULE

- A. Preliminary draft. Submit 2 copies by date indicated in "Document Submittal Schedule," Section 01335. Engineer will review and provide comments.
- B. Submit specified number of copies of approved data in final form by date indicated in "Document Submittal Schedule," Section 01335.

1.08 INSTRUCTION OF OWNER'S PERSONNEL

- A. Prior to final inspection or acceptance, fully instruct Owner's designated operating and maintenance personnel in operation, adjustment and maintenance of products, equipment and systems. Training shall include classroom and hands-on instruction.
- B. Manual for equipment and systems shall constitute basis of instruction. Review contents of manual with personnel in full detail to explain all aspects of operations and maintenance.

PART 2 PRODUCTS

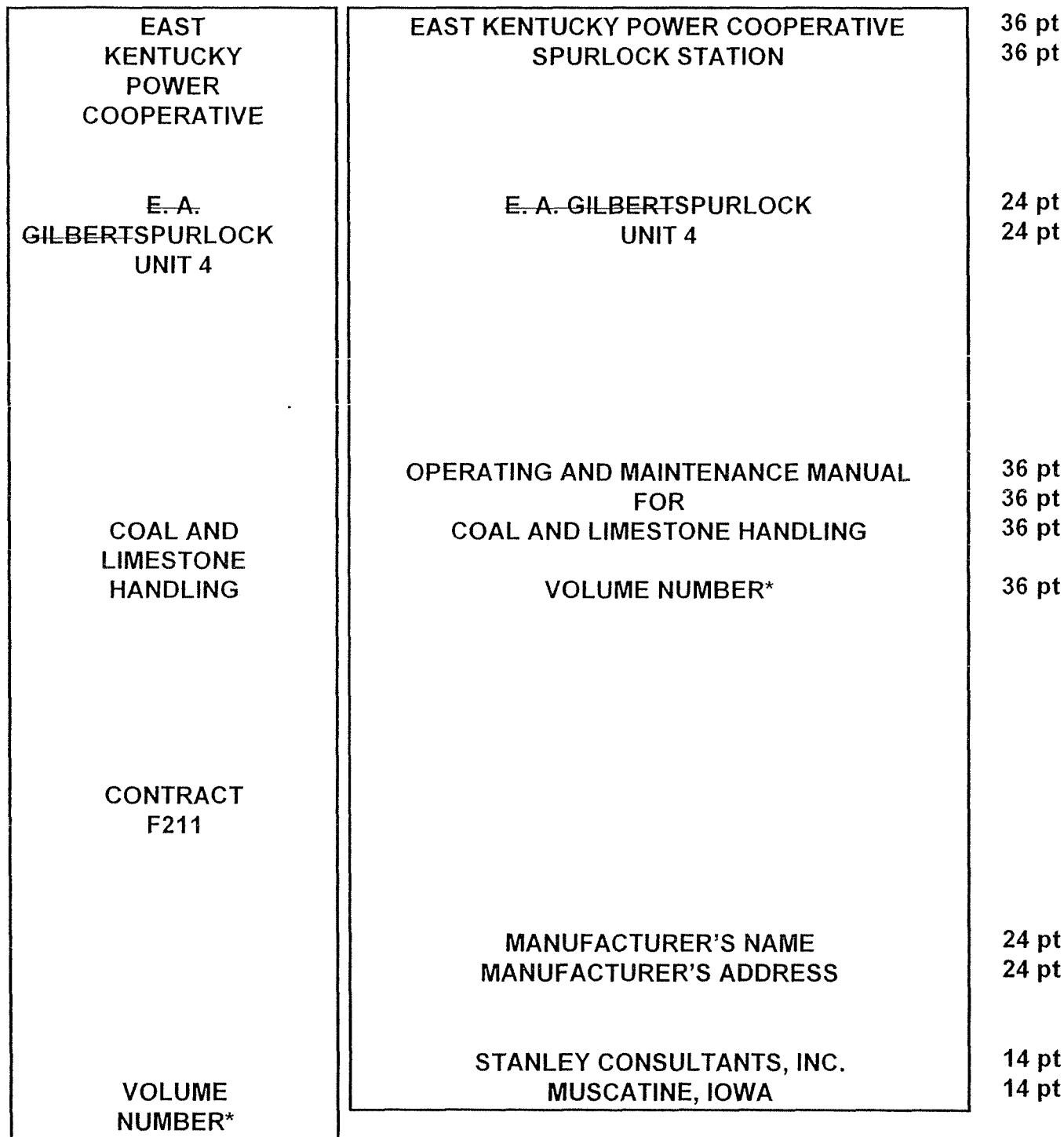
NOT USED

PART 3 EXECUTION

NOT USED

END OF SECTION

OPERATING AND MAINTENANCE MANUAL COVER DIAGRAM



SPINE

COVER

1. Imprinting shall be in Arial font.
 2. Spine printing shall be 12-point.
 3. Cover printing shall be in point sizes indicated.
- * If more than one volume is necessary, imprint cover with volume numbers.

Conformed Contract

for

**Contract F221 - Chimney
Spurlock Station - Unit 4
Maysville, Kentucky**

Between

**East Kentucky Power Cooperative, Inc.
Winchester, Kentucky**

And

**Pullman Power LLC
Kansas City, Missouri**

July 2005



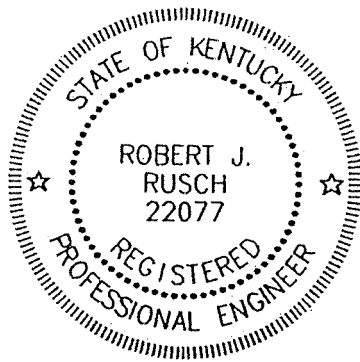
Stalley Consultants

Project Manual

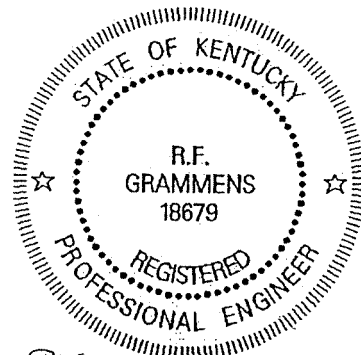
for

**Contract F221 - Chimney
Spurlock Station - Unit 4
Maysville, Kentucky**

**East Kentucky Power Cooperative, Inc.
Winchester, Kentucky**



Robert J. Rusch
1-31-05



R.F. Grammens
1-31-05

January 31, 2005



A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

CONTRACT F221 - CHIMNEY
SPURLOCK STATION - UNIT 4
MAYSVILLE, KENTUCKY

PSC Request 1a.
Attachment No. 18
PAGE 3

EAST KENTUCKY POWER COOPERATIVE, INC.
WINCHESTER, KENTUCKY

<u>TITLE</u>	<u>PAGE</u>
Exception and Clarifications	
Development of Contract Price	
RUS Form 200 – Construction Contract – Generating (Rev. 2-04)	1 thru 16
RUS Form 168b – Contractor's Bond	1 thru 2
RUS Form 187 – Certificate of Completion – Contract Construction	1 thru 2
RUS Form 213 – Buy American Certificate	1
RUS Form 224 – Waiver and Release of Lien	1
RUS Form 231 – Certificate of Contractor	1
RUS Form 307 – Bid Bond (deleted)	1
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Exceptions and Clarifications




Commerical Exceptions & Clarifications
Proposal No. 13953
East Kentucky Power Coopertive- Spurlock Station Unit #4

- RUS form 200 (Rev. 2-040, Article III, Section 1, Item F- This shall only apply to extra work or unit price work.

REDACTED

Development of Contract Price

Total Contract Price: 

(Option 2 Price per Pullman Power Proposal No. 13953, Rev. 3, March 28, 2005)

⁽¹⁾ Goettle letter dated January 28, 2005.

U.S. Department of Agriculture
Rural Utilities Service

PSC Request 1a.
Attachment No. 18
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CONSTRUCTION CONTRACT

GENERATING

NOTICE AND INSTRUCTIONS TO BIDDERS

- 1. Sealed proposals for the construction, including the supply of necessary labor, materials and equipment, of a rural electric project of East Kentucky Power Cooperative, Inc., RUS designation Kentucky 59 Fayette, (hereinafter called the "Owner") will be received by the Owner on or before 4 o'clock P M, February 11, 2005, at its office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 at which time and place the proposals will be publicly opened and read. X privately opened. The Owner, subsequent to the bid opening, may elect to conduct clarifying discussions with the bidder to resolve any questions related to the substance of the bidder's proposal and to arrive at a final price for a responsive bid.

Any proposals received subsequent to the time specified will be promptly returned to the Bidder unopened.**
- 2. Obtaining Documents.** *The Plans, Specifications and Construction Drawings, together with all necessary forms and other documents for bidders may be obtained from the Owner, or from the Engineer at the latter's office at P.O. Box 707, 4775 Lexington Road, Winchester, KY 40392-0707 upon the payment of \$ 0.00, which payment will not be subject to refund. The Plans, Specifications, and Construction Drawings may be examined at the office of the Owner or at the office of the Engineer.*
- 3. Manner of Submitting Proposals.** *~~Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner. The name and address of the Bidder, its license number if a license is required by the State, and the date and hour of the opening of bids must appear on the envelope in which the Proposal is submitted. Proposals must be completed in ink or typewritten. No alterations or interlineations will be permitted, unless made before submission, and initialed and dated. The successful Bidder will be required to execute two additional counterparts of the Proposal. See Section 00210 - Supplementary Instructions to Bidders.~~*
- 4. Due Diligence.** *Prior to the submission of the Proposal, the Bidder shall make and shall be deemed to have made a careful examination of the site of the project and of the Plans, Specifications, Construction Drawings, and forms of Contractor's Proposal and Contractor's Bond, and shall review the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, the kind of facilities required before and during the construction of the project, general local conditions, environmental and historic preservation considerations, and all other matters that may affect the cost and time of completion of the project. Bidder will be required to comply with all federal, state, and local laws, rules, and regulations applicable to its performance, including those pertaining to the licensing of contractors, and the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq).*
- 5. Proposals will be accepted only from those prequalified bidders invited by the Owner to submit a proposal.**
- 6. The Time for Completion of Construction of the project is of the essence of the Contract and shall be as specified by the Engineer in the Proposal.**

7. ~~**Bid Bond.** Each Proposal must be accompanied by a Bid Bond in the form attached hereto or a certified check on a bank that is a member of the Federal Deposit Insurance Corporation, payable to the order of the Owner, in an amount equal to ten percent (10%) of the maximum bid price. Each Bidder agrees, provided its Proposal is one of the three low Proposals, that, by filing its Proposal together with such Bid Bond or check in consideration of the Owner's receiving and considering such Proposals, said Proposal shall be firm and binding upon each such Bidder and such Bid Bond or check shall be held by the Owner until a Proposal is accepted and a satisfactory Contractor's Bond is furnished (where required) by the successful Bidder and such acceptance has been approved by the Administrator, or for a period not to exceed sixty (60) days from the date hereinbefore set for the opening of Proposals, whichever period shall be the shorter. If such Proposal is not one of the three low Proposals, the Bid Bond or check will be returned in each instance within a period of ten (10) days to the Bidder furnishing same.~~
~~ninety (90)~~
8. **Contractor's Bond.** For a Contract in excess of \$100,000, the Bidder agrees to furnish a Contractor's Bond in triplicate in the form attached hereto with sureties listed by the United States Treasury Department as Acceptable Sureties, in a penal sum not less than the contract price.
9. **Failure to Furnish Contractor's Bond.** Should the successful Bidder fail or refuse to execute such counterparts or to furnish a Contractor's Bond (where required) within ten (10) days after written notification of the acceptance of the Proposal by the Owner, the Bidder will be considered to have abandoned the Proposal. In such event, the Owner shall be entitled (a) to enforce the Bid Bond in accordance with its terms, or (b) if a certified check has been delivered with the Proposal, to retain from the proceeds of the certified check, the difference (not exceeding the amount of the certified check) between the amount of the Proposal and such larger amount for which the Owner may in good faith contract with another party to construct the project. The term "Successful Bidder" shall be deemed to include any Bidder whose Proposal is accepted after another Bidder has previously refused or has been unable to execute the counterparts or to furnish a satisfactory Contractor's Bond (where required.)
10. **Evaluation Factors.** In estimating the lowest cost to the Owner as one of the factors in deciding the award of the Contract, the Owner will consider, in addition to the price quoted in the Proposals, the following:
- a) If the Proposal for provision of materials contains a provision for "escalation" or increase of the base price quoted, the maximum amount possible under such escalation shall be stated and will be used for price comparison.
- b) Evaluation of equipment proposed as defined in specifications.
-
11. **Debarment Certification.** The Bidder must provide to the Owner a suspension and debarment certificate in the form attached hereto.
12. **Contract is Entire Agreement.** The Contract to be effected by the acceptance of the Proposal shall be deemed to include the entire agreement between the parties thereto, and the Bidder shall not claim any modifications thereof resulting from any representation or promise made at any time by any officer, agent or employee of the Owner or by any other person.
13. **Minor Irregularities.** The Owner reserves the right to waive minor irregularities or minor errors in any Proposal, if it appears to the Owner that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the Proposal in which they occur prior to the acceptance thereof by the Owner.
14. **Bid Rejection.** The Owner reserves the right to reject any or all Proposals.
15. **Definition of Terms.** The terms "Administrator," "Engineer," "Completion of Construction," and "Completion of the Project" as used throughout this Contract shall be as defined in Article VI, Section 1, of the Proposal. Refer to General Conditions, Article 1 for additional definition of terms.

16. The Owner Represents:

a. If by provisions of the Proposal the Owner shall have undertaken to furnish any materials for the construction of the project, such materials are on hand at locations specified or if such materials are not on hand they will be made available by the Owner to the successful Bidder at the locations specified before the time such materials are required for construction.

b. All funds necessary for prompt payment for the construction of the project will be available.

If the Owner shall fail to comply with any of the undertakings contained in the foregoing representation or if any of such representations shall be incorrect, the Bidder will be entitled to an extension of time of completion for a period equal to the delay, if any, caused by the failure of the Owner to comply with such undertakings or by any such incorrect representation; provided the Bidder shall have promptly notified the Owner in writing of its desire to extend the time of completion in accordance with the foregoing; provided, however, that such extension, if any, of the time of completion shall be the sole remedy of the Bidder for the Owner's failure, because of conditions beyond the control and without the fault of the Owner, to furnish materials in accordance with subparagraph a. above.

East Kentucky Power Cooperative, Inc.
Owner

By Randy J. J. J.

Vice President Production
Title

January 31, 2005
Date

PROPOSAL

TO:

East Kentucky Power Cooperative, Inc.

(hereinafter called the "Owner").

ARTICLE I--GENERAL

Section 1. Offer to Construct. *The undersigned (hereinafter called the "Bidder") hereby proposes to receive and install such materials and equipment as may hereinafter be specified to be furnished by the Owner, and to furnish all other materials and equipment, all machinery, tools, labor, transportation and other means required to construct the project in strict accordance with the Plans, Specifications and Construction Drawings for the prices hereinafter stated.*

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

Item: _____ Price: _____

See Section 00410 - Proposal Form.

Section 2. Purchase of Materials. *The Bidder will purchase all materials and equipment (other than Owner Furnished Materials) outright and not subject to any conditional sales agreements, bailment, lease or other agreement reserving unto the seller any right, title or interest therein. All such materials and equipment shall be new and become the property of the Owner when erected in place.*

Section 3. Description of Contract. *The Notice and Instructions to Bidders, Plans, Specifications, and Construction Drawings, which by this reference are incorporated herein, together with the Proposal and Acceptance constitute the Contract. The Plans, Specifications, and Construction Drawings, including maps, special drawings, and approved modifications in standard specifications are attached hereto and identified as follows:*

Contract F221 - Chimney

Spurlock Station - Unit 4

Maysville, Kentucky

Section 4. Due Diligence. *The Bidder has made a careful examination of the site of the project to be constructed and of the Plans, Specifications, Construction Drawings, and form of Contractor's Bond attached hereto, and has become informed as to the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, and the kind of facilities required before and during the construction of the project, and has become acquainted with the labor conditions, federal, state, and local laws, rules, and regulations applicable to its performance.*

Section 5. License. *The Bidder warrants that a Contractor's License is _____, is not X required, and if required,*

it possesses Contractor's License No. _____ for the State of _____

in which the project is located and said license expires on _____, 20__.

Section 6. Warranty of Good Faith. *The Bidder warrants that this Proposal is made in good faith and without collusion or connection with any person or persons bidding for the same work.*

Section 7. Financial Resources.

- a. *The Bidder warrants that it has or will obtain the financial resources necessary to ensure completion of the project.*
- b. *The Bidder agrees that in the event this Proposal is accepted and a Contractor's Bond is required, it will furnish a Contractor's Bond in the form attached hereto, in a penal sum not less than the maximum Contract price, with a surety or sureties listed by the United States Department of Treasury as Acceptable Sureties.*

~~**Section 8. Taxes.** *The prices in this Proposal include provisions for the payment of all monies which will be payable by the Bidder or the Owner in connection with the construction of the project on account of taxes imposed by any taxing authority upon the sale, purchase or use of materials, supplies and equipment, or services or labor of installation thereof, to be incorporated in the project. The Bidder agrees to pay all such taxes, except taxes upon the sale, purchase or use of Owner Furnished Materials. The Bidder will furnish to the appropriate taxing authorities all required information and reports pertaining to the project, except as to the Owner Furnished Materials. See Section 00210 - Supplementary Instructions to Bidders.*~~

ARTICLE II--CONSTRUCTION

Section 1. Time and Manner of Construction.

- a. *The Bidder agrees to commence construction of the project on a date (hereinafter called the "Commencement Date") which shall be determined by the Engineer after notice to the bidder in writing of approval of the contract by the Administrator, if approval of the Administrator is required, and notice in writing from the Bidder that the Bidder has sufficient materials to warrant commencement and continuation of construction, but in no event will the Commencement Date be later than _____ 10 _____ calendar days after date of approval of the contract by the Administrator, if approval of the Administrator is required. The Bidder further agrees to prosecute diligently and to complete construction in strict accordance with the Plans, Specifications and Construction Drawings within _____ calendar days after Commencement Date.*
Notice to Proceed by Owner.
By January 2, 2007
February 16, 2007⁽¹⁾
- b. *The time for Completion of Construction shall be extended for the period of any reasonable delay which is due exclusively to causes beyond the control and without the fault of the Bidder, including Acts of God, fires, floods, inability to obtain materials and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible: Provided, however that no such extension of time for completion shall be granted the Bidder unless within ten (10) days after the happening of any event relied upon by the Bidder for such an extension of time the Bidder shall have made a request therefore in writing to the Owner, and provided further that no delay in such time of completion or in the progress of the work which results from any of the above causes except acts or omissions of the Owner, shall result in any liability on the part of the Owner.*
- c. *The Owner, acting through the Engineer with the approval of the Administrator, if approval of the Administrator is required, may from time to time during the progress of the construction of the project make such changes, additions or subtractions from the Plans, Specifications, Construction Drawings, and sequence of construction as conditions may warrant: Provided, however, that if*

⁽¹⁾ Pullman Power Proposal, Rev. 3, Option 2, March 28, 2005 5

any change in the construction to be done shall require an extension of time, a reasonable extension will be granted if the Bidder shall make a written request therefore to the Owner within (10) days after any such change is made. And provided further, that if the cost to the Bidder of construction of the project shall be materially increased by any such change or addition, the Owner shall pay the Bidder for the reasonable cost thereof in accordance with a Construction Contract Amendment signed by the Owner and the Bidder and approved by the Administrator, if approval by the Administrator is required, but no claim for additional compensation for any such change or addition will be considered unless the Bidder shall have made a written request therefore to the Owner prior to the commencement of work in connection with such change or addition.

Section 2. Environmental Protection. *The Bidder shall perform the work in compliance with all applicable Federal, State, and local Environmental Laws. For purposes of this Agreement, the term "Environmental Laws" shall mean all Federal, state, and local laws including statutes, regulations, ordinances, codes, rules, and other governmental restriction and requirements relating to the environment or solid waste, hazardous substances, hazardous waste, toxic or hazardous material, pollutants or contaminants including, but not limited to the Comprehensive Environmental Response, Compensation, and Liability Act, as amended, 42 U.S.C. §§ 9601, et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251, et seq., and the Solid Waste Disposal Act, as amended, 42 U.S.C. §§ 6901, et seq., now or at any time hereafter in effect.*

Section 3. Tools, Equipment, and Qualified Personnel. *The Bidder agrees that in the event this Proposal is accepted it will make available for use in connection with the proposed construction all necessary tools and equipment and qualified supervisors and workers.*

Section 4. Supervision and Inspection.

- a. *The Bidder shall give sufficient supervision to the work, using its best skill and attention. The Bidder will carefully study and compare all drawings, specifications and other instructions and will at once report to the Owner any error, inconsistency or omission which it may discover. The Bidder shall cause the construction work on the project to receive constant supervision by a competent superintendent (hereinafter called the "Superintendent") who shall be present at all times during working hours where construction is being carried on. The Bidder shall also employ, in connection with the construction of the project, capable, experienced and reliable supervisors and such skilled workers as may be required for the various classes of work to be performed. The Bidder shall be solely responsible for the means and methods of construction and for the supervision of the Bidder's employees.*
- b. *The Owner reserves the right to require the removal from the project of any employee of the Bidder if in the judgment of the Owner such removal shall be necessary in order to protect the interest of the Owner. The Owner shall have the right to require the Bidder to increase the number of its employees and to increase or change the amount or kind of tools and equipment if at any time the progress of the work shall be unsatisfactory to the Owner; but the failure of the Owner to give any such directions shall not relieve the Bidder of its obligations to complete the work within the time and in the manner specified in this Proposal.*
- c. *The construction of the project and all materials and equipment used therein, shall be subject to the inspection, tests, and acceptance by the Owner and the Administrator and the Bidder shall furnish all information required by the Owner or by the Administrator concerning the nature or source of any materials incorporated or to be incorporated in the project. All Bidder procedures and records pertaining to the work shall be made available to the Owner and the Administrator for review prior to such inspections and tests. The Bidder shall provide all reasonable facilities necessary for such inspection and tests and shall maintain an office at the site of the project, with telephone service where obtainable and at least one office employee to whom communications from the Owner may be delivered. Delivery of such communications in writing to the employee of the Bidder at such office shall constitute delivery to the Bidder. The Bidder shall have an authorized agent accompany the Engineer when final inspection is made and, if requested by the Owner, when any other inspection is made. The performance of such inspections or tests by the*

Owner or the Administrator shall not relieve the Bidder of its obligations to perform the work in accordance with the requirements of this Contract.

- d. In the event that the Owner, or the Administrator, shall determine that the construction contains or may contain numerous defects, it shall be the duty of the Bidder and the Bidder's Surety or Sureties, if any, to have an inspection made by an engineer approved by the Owner and the Administrator, if approval by the Administrator is required, for the purpose of determining the exact nature, extent and location of such defects.*
- e. The Engineer may recommend to the Owner that the Bidder suspend the work wholly or in part for such period or periods as the Engineer may deem necessary due to unsuitable weather or such other conditions as are considered unfavorable for satisfactory prosecution of the work or because of the failure of the Bidder to comply with any of the provisions of the Contract: Provided, however, that the Bidder shall not suspend work pursuant to this provision without written authority from the Owner so to do. The time of completion hereinabove set forth shall be increased by the number of days of any such suspension, except when such suspension is due to the failure of the Bidder to comply with any of the provisions of this Contract. In the event that work is suspended by the Bidder with the consent of the Owner, the Bidder before resuming work shall give the Owner at least twenty-four (24) hours notice thereof in writing.*

Section 5. Defective Materials and Workmanship.

- a. The acceptance of any materials, equipment (except Owner Furnished Materials) or any workmanship by the Owner or the Engineer shall not preclude the subsequent rejection thereof if such materials, equipment, or workmanship shall be found to be defective after delivery or installation, and any such materials, equipment or workmanship found defective before final acceptance of the construction shall be replaced or remedied, as the case may be, by and at the expense of the Bidder. Any such condemned material or equipment shall be immediately removed from the site of the project by the Bidder at the Bidder's expense. The Bidder shall not be entitled to any payment hereunder so long as any defective materials, equipment or workmanship in respect to the project, of which the Bidder shall have had notice, shall not have been replaced or remedied, as the case may be.*
- b. Notwithstanding any certificate which may have been given by the Owner or the Engineer, if any materials, equipment (except Owner Furnished Materials) or any workmanship which does not comply with the requirements of this Contract shall be discovered within one (1) year after Completion of Construction of the project, the Bidder shall replace such defective materials or equipment or remedy any such defective workmanship within thirty (30) days after notice in writing of the existence thereof shall have been given by the Owner. If any such defective materials, equipment, or workmanship so replaced or repaired is found to be defective within one year after the completion of the replacement or repair, the Bidder shall replace or remedy such defective materials, equipment, or workmanship. In the event of failure by the Bidder so to do, the Owner may replace such defective materials or equipment or remedy such defective workmanship, as the case may be, and in such event the Bidder shall pay to the Owner the cost and expense thereof.*
- c. The liability of Contractor to Owner UNDER THIS SECTION 5, whether under warranty, contract, negligence or otherwise, shall not in any case exceed the cost of correcting defects in the material or workmanship as herein provided and upon the expiration of said warranty, all such liability shall terminate. **THERE ARE NO OTHER REMEDIES, LIABILITIES (INCLUDING NEGLIGENCE) OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THE MATERIAL AND/OR SERVICES.** Contractor's sole responsibility and Owner's exclusive remedy hereunder, shall be limited to such repair or replacement as above provided.*

ARTICLE III--PAYMENTS AND RELEASE OF LIENS

Section 1. Payments to Bidder.

- a. *On or before the fifth (5) day of each calendar month, the Bidder will make application for payment, and the Owner, on or before the fifteenth (15) day of such month, shall make partial payment to the Bidder for construction accomplished during the preceding calendar month and certified to by the Bidder, recommended by the Engineer and approved by the Owner solely for the purposes of payment: Provided, however, that such approval shall not be deemed approval of the the workmanship or materials. Only ninety percent (90%) of each such estimate approved during the construction of the project shall be paid by the Owner to the Bidder prior to Completion of the project. Upon completion by the Bidder of the construction of the project, the Engineer will inspect the work performed hereunder. If the Engineer finds the work acceptable and all provisions hereunder fully performed, the Engineer will so certify to the Owner. Upon the approval by the Owner and the Administrator, if the approval of the Administrator is required, of a Certificate of Completion in the form attached hereto, showing the total cost of the construction performed, the Owner shall make payment to the Bidder of all amounts to which the Bidder shall be entitled thereunder which shall not have been paid: Provided, however, that such final payment shall be made not later than ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, unless withheld because of the fault of the Bidder. Refer to General Conditions, Article 14.07.*
- b. *Interest at the rate of ~~five and one-half~~ ^{quarter} percent' ~~($5-1/2\%$)~~ ^{5-1/4%} per annum shall be paid by the Owner to the Bidder on all unpaid balances due on monthly estimates, commencing fifteen (15) days after the due date; provided the delay in payment beyond the due date is not caused by any condition within the control of the Bidder. The due date for purposes of such monthly payment or interest on all unpaid balances shall be the fifteenth (15) day of each calendar month provided (1) the Bidder on or before the fifth (5) day of such month shall have submitted its certification of Construction Units completed during the preceding month and (2) the Owner on or before the fifteenth (15) day of such month shall have approved such certification. If, for reasons not due to the Bidder's fault, such approval shall not have been given on or before the fifteenth (15) day of such month, the due date for purposes of this subsection b shall be the fifteenth (15) day of such month notwithstanding the absence of the approval of the certification.*
- c. *Interest at the rate of ~~five and one-half~~ percent' ($5-1/2\%$) per annum shall be paid by the Owner to the Bidder on the final payment for the project, commencing fifteen (15) days after the due date. The due date for purposes of such final payment or interest on all unpaid balances shall be the date of approval by the Owner of all of the documents requiring such approval, as a condition precedent to the making of final payment, or ninety (90) days after the date of Completion of Construction of the project, as specified in the Certificate of Completion, whichever date is earlier.*
- d. *No payment shall be made to the Bidder for materials or labor involved in correcting errors or omissions on the part of the Bidder which result in construction not in accordance with the Plans and Specifications.*
- e. *No payment shall be due while the Bidder is in default in respect of any of the provisions of this Contract and the Owner may withhold from the Bidder the amount of any claim by a third party against either the Bidder or the Owner based upon an alleged failure of the Bidder to perform the work hereunder in accordance with the provisions of this Contract.*

¹ The Owner shall insert a rate equal to the lowest "Prime Rate" listed in the "Money Rates" section of the Wall Street Journal on the date such invitation to bid is issued.

² See Footnote 1.

- f. *The Owner and the Administrator shall have the right to inspect all payrolls, invoices of materials, and other data and records of the Bidder and of any subcontractor, relevant to the construction of the project. This shall only apply to extra work or unit price work. ⁽¹⁾*
- g. *Except as otherwise provide herein, Owner shall not be entitled to withhold payments on account of third party liability claims if the liability for such claim(s) has been accepted by the Contractor's insurer.*

Section 2. Release of Liens and Certificate of Contractor. *Upon the completion by the Bidder of the construction of the project but prior to final payment to the Bidder, the Bidder shall deliver to the Owner, in duplicate, releases of all liens and of rights to claim any lien, in the form attached hereto from all manufacturers, material suppliers, and subcontractors furnishing services or materials for the project and a certificate in the form attached hereto to the effect that all labor used on or for the project has been paid and that all such releases have been submitted to the Owner.*

Section 3. Payments to Material Suppliers and Subcontractors. *The Bidder shall pay each material supplier, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed the Bidder for and on account of materials furnished or construction performed by each material supplier or each subcontractor.*

ARTICLE IV--PARTICULAR UNDERTAKINGS OF THE BIDDER

Section 1. Protection to Persons and Property. *The Bidder shall at all times take all reasonable precautions for the safety of employees on the work and of the public, and shall comply with all applicable provisions of federal, state, and local laws, rules, and regulations and building and construction codes, in addition to the safety rules and procedures of the Owner.*

The following provisions shall not limit the generality of the above requirements:

- a. *The Bidder shall at all times keep the premises free from accumulations of waste materials or rubbish caused by its employees or work, and at the completion of the work the Bidder shall remove all rubbish from and about the Project and all its tools, scaffolding and surplus materials and shall leave the work "broom clean". The Bidder shall dispose of waste material ~~by burying it on the work site or in a manner approved by local authorities, but shall not dispose of any waste materials or rubbish by open burning. The Bidder shall provide chemical sanitary facilities which may be required.~~ ^{“broom clean” and}*
- b. *The Bidder shall transport and store all material in facilities and vehicles which are designed to protect the material from damage. The Bidder shall ensure that all vehicles, trailers, and other equipment used comply with all applicable licensing, traffic, and highway requirements.*
- c. *The Bidder shall provide and maintain all such guard lights and other protection for the public as may be required by applicable statutes, ordinances and regulations or by local conditions.*
- d. *The project, from the commencement of work to completion, or to such earlier date or dates when the Owner may take possession and control in whole or in part as hereinafter provided shall be under the charge and control of the Bidder and during such period of control by the Bidder all risks in connection with the construction of the project and the materials to be used therein shall be borne by the Bidder. The Bidder shall make good and fully repair all injuries and damages to the project or any portion thereof under the control of the Bidder by reason of any act of God or other casualty or cause whether or not the same shall have occurred by reason of the Bidder's negligence, except damage covered by the Owner's Builder's Risk Insurance. Contractor shall be included as a named insured on the Builder's Risk policy provided by Owner.*
 - (i) *To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all claims, causes of action,*

⁽¹⁾ See Exceptions and Clarifications

losses, liabilities, and expenses (including reasonable attorney's fees) for personal loss, injury, or death to persons (including but not limited to Bidder's employees) and loss, damage to or destruction of Owner's property or the property of any other person or entity (including but not limited to Bidder's property) in any manner arising out of or connected with the Contract, or the materials or equipment supplied or services performed by Bidder, its subcontractors and suppliers of any tier. But nothing herein shall be construed as making Bidder liable for any injury, death, loss, damage, or destruction caused by the sole negligence of Owner.

Whether attributable to contract, warranty, tort (including negligence), strict liability or otherwise, Contractor's responsibility for any claims, damages, losses or liabilities arising out of or related to performance of this Contract, including but not limited to any correction of defects under the Warranty, shall not exceed the contract price. In no event shall Contractor be liable for any special, indirect, incidental, consequential, or punitive damages of any character including, but not limited to, damages claimed for loss of use of productive facilities or equipment, lost profits, governmental fill or penalties, lost production, or non-operation or increased expense of operation, irrespective of whether claims or actions for such damages are based upon contract, tort (including negligence) warranty, strict liability or otherwise.

- (ii) To the maximum extent permitted by law, Bidder shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all liens and claims filed or asserted against Owner, its directors, officers, and employees, or Owner's property or facilities, for services performed or materials or equipment furnished by Bidder, its subcontractors and suppliers of any tier, and from all losses, demands, and causes of action arising out of any such lien or claim. Bidder shall promptly discharge or remove any such lien or claim by bonding, payment, or otherwise and shall notify Owner promptly when it has done so. If Bidder does not cause such lien or claim to be discharged or released by payment, bonding, or otherwise, Owner shall have the right (but shall not be obligated) to pay all sums necessary to obtain any such discharge or release and to deduct all amounts so paid from the amount due Bidder.*
- (iii) Bidder shall provide to Owner's satisfaction evidence of Bidder's ability to comply with the indemnification provisions of subparagraphs i and ii above, which evidence may include but may not be limited to a bond or liability insurance policy obtained for this purpose through a licensed surety or insurance company.*
- e. Upon violation by the Bidder of any of the provisions of this section, after written notice of such violation given to the Bidder by the Engineer or the Owner, the Bidder shall immediately correct such violation. Upon failure of the Bidder so to do the Owner may correct such violation at the Bidder's expense: Provided, however, that the Owner may, if it deems it necessary or advisable, correct such violation at the Bidder's expense without such prior notice to the Bidder.*
- f. The Bidder shall submit to the Owner monthly reports in duplicate of all accidents, giving such data as may be prescribed by the Owner.*

Section 2. Insurance. *The Bidder shall take out and maintain throughout the period of this Agreement the following types and minimum amounts of insurance:*

- a. Workers' compensation and employers' liability insurance, as required by law, covering all its employees who perform any of the obligations of the Bidder under the contract. If any employer or employee is not subject to the workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.*

¹ The Owner shall insert a rate equal to the lowest "Prime Rate" listed in the "Money Rates" section of the Wall Street Journal on the date such invitation to bid is issued.

² See Footnote 1.

- b. Public liability insurance covering ^{\$5} ~~all operations~~ under the contract shall have limits for bodily injury or death of not less than ~~\$1~~ million each occurrence, limits for property damage of not less than ~~\$1~~ million each occurrence, and ~~\$1~~ million aggregate for accidents during the policy period. A single limit of ~~\$1~~ million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe ~~form~~.
- c. Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million per person and \$1 million each occurrence, and property damage limits of \$1 million for each occurrence. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.

The Owner shall have the right at any time to require public liability insurance and property damage liability insurance greater than those required in subsection "b" and "c" of this Section. In any such event, the additional premium or premiums payable solely as the result of such additional insurance shall be added to the Contract price.

The Owner shall be named as Additional Insured on all policies of insurance required in subsections "b" and "c" of this Section.

The policies of insurance shall be in such form and issued by such insurer as shall be satisfactory to the Owner. The Bidder shall furnish the Owner a certificate evidencing compliance with the foregoing requirements which shall provide not less than (30) days prior written notice to the Owner of any cancellation or material change in the insurance.

Section 3. Delivery of Possession and Control to Owner. Upon written request of the Owner the Bidder shall deliver to the Owner full possession and control of any portion of the project provided the Bidder shall have been paid at least ninety percent (90%) of the cost of construction of such portion. Upon such delivery of the possession and control of any portion of the project to the Owner, the risk and obligations of the Bidder as set forth in Article IV, Section 1.d hereof with respect to such portion of

the project so delivered to the Owner shall be terminated; Provided, however, that nothing herein contained shall relieve the Bidder of any liability with respect to defective materials and workmanship as contained in Article II, Section 5 hereof.

Section 4. Assignment of Guarantees. All guarantees of materials and workmanship running in favor of the Bidder shall be transferred and assigned to the Owner prior to the time the Bidder receives final payment.

ARTICLE V--REMEDIES

Section 1. Completion on Bidder's Default. If default shall be made by the Bidder or by any subcontractor in the performance of any of the terms of this Proposal, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Bidder and the Surety or Sureties, if any, upon the Contractor's Bond or Bonds a written notice requiring the Bidder to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Bidder such default shall be corrected or arrangements for the correction thereof satisfactory to both the Owner and the Administrator shall be made by the Bidder or its Surety or Sureties, if any, the Owner may take over the construction of the project and prosecute the same to completion by Contract or otherwise for the account and at the expense of the Bidder, and the Bidder and its Surety or Sureties, if any, shall be liable to the Owner for any cost or expense in excess of the Contract price occasioned thereby. In such event the Owner may take possession of and utilize, in completing the construction of the project, any materials, tools, supplies, equipment, appliances, and plant belonging to the Bidder or any of its subcontractors, which may be situated at the site of the project. The Owner in such contingency may exercise any rights, claims or demands which the Bidder

may have against third persons in connection with this Contract and for such purpose the Bidder does hereby assign, transfer and set over unto the Owner all such rights, claims and demands.

Section 2. Liquidated Damages. *The time of the Completion of Construction of the project is of the essence of the Contract. Should the Bidder neglect, refuse or fail to complete the construction within the time herein agreed upon, after giving effect to extensions of time, if any, herein provided, then, in that event and in view of the difficulty of estimating with exactness damages caused by such delay, the Owner shall have the right to deduct from and retain out of such moneys which may be then due, or which may become due and payable to the Bidder the sum of Five Thousand _____ dollars (\$5,000) per day for each and every day that such construction is delayed in its completion beyond the specified time, as liquidated damages and not as a penalty; if the amount due and to become due from the Owner to the Bidder is insufficient to pay in full any such liquidated damages, the Bidder shall pay to the Owner the amount necessary to effect such payment in full: Provided, however, that the Owner shall promptly notify the Bidder in writing of the manner in which the amount retained, deducted or claimed as liquidated damages was computed.*

, to a maximum of 5% of the Contract Price, with a grace period of 25 working days.

Section 3. Cumulative Remedies. *Every right or remedy herein conferred upon or reserved to the Owner or the Government or the Administrator shall be cumulative, shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute and the pursuit of any right or remedy shall not be construed as an election: Provided, however, that the provisions of Section 2 of this Article shall be the exclusive measure of damages for failure by the Bidder to complete the construction of the project within the time herein agreed upon.*

ARTICLE VI--MISCELLANEOUS

Section 1. Definitions. Refer to the General Conditions.

- a. *The term "Administrator" shall mean the Administrator of the Rural Utilities Service of the United States of America and his or her duly authorized representative or any other person in whom or authority in which may be vested the duties and functions which the Administrator is now authorized by law to perform.*
- b. *The term "Engineer" shall mean the Engineer employed by the Owner, to provide engineering services for the project and said Engineer's duly authorized assistants and representatives.*
- c. *The term "Completion of Construction" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof except the Bidder's obligations in respect of Releases of Liens and Certificate of Contractor under Article III, Section 2 hereof and other final documents. The term "Completion of the Project" shall mean full performance by the Bidder of the Bidder's obligations under the Contract and all amendments and revisions thereof. The Certificate of Completion, signed by the Engineer and approved in writing by the Owner and the Administrator, if approval by the Administrator is required, shall be the sole and conclusive evidence as to the date of Completion of Construction and as to the fact of Completion of the Project.*

Section 2. Materials and Supplies. *In the performance of this contract there shall be furnished only such unmanufactured articles, materials, and supplies as have been mined or produced in the United States or in any eligible country, and only such manufactured articles, materials, and supplies as have been manufactured in the United States or in any eligible country substantially all from articles, materials, or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country; provided that other articles, materials, or supplies may be used in the event and to the extent that the Administrator shall expressly in writing authorize such use pursuant to the provisions of the Rural Electrification Act of 1938, being Title IV of Public Resolution No. 122, 75th Congress, approved June 21, 1938. For the purposes of this section, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative. The Bidder agrees to submit to the Owner such certificates with respect to compliance with the foregoing provision as the Administrator from time to time may require.*

Section 3. Patent Infringement. *The Bidder shall hold harmless and indemnify the Owner from any and all claims, suits and proceedings for the infringement of any patent or patents covering any materials or equipment used in construction of the project.*

Section 4. Permits for Explosives. *All permits necessary for the handling or use of dynamite or other explosives in connection with the construction of the project shall be obtained by and at the expense of the Bidder.*

Section 5. Compliance with Laws. *The Bidder shall comply with all federal, state, and local laws, rules, and regulations applicable to its performance under the contract and the construction of the project. The Bidder acknowledges that it is familiar with the Rural Electrification Act of 1936, as amended, the Anti Kick-Back Act of 1986 (41 U.S.C. 51 et seq), and 18 U.S.C. §§ 286, 287, 641, 661, 874, 1001, and 1366, as amended.*

The Bidder represents that to the extent required by Executive Orders 12549 (3 CFR, 1985-1988 Comp., p. 189) and 12689 (3 CFR, 1989 Comp., p. 235), Debarment and Suspension, and 7 CFR part 3017, it has submitted to the Owner a duly executed certification in the form prescribed in 7 CFR part 3017.

The Bidder represents that, to the extent required, it has complied with the requirements of Pub. L. 101-121, Section 319, 103 Stat. 701, 750-765 (31 U.S.C. 1352), entitled "Limitation on use of appropriated funds to influence certain Federal contracting and financial transactions," and any rules and regulations issued pursuant thereto.

Section 6. Equal Opportunity Provisions.

a. *Bidder's Representations.*

The Bidder represents that:

It has X, does not have , 100 or more employees, and if it has, that it has X, has not , furnished the Equal Employment Opportunity-Employers Information Report EEO-1, Standard Form 100, required of employers with 100 or more employees pursuant to Executive Order 11246 of September 24, 1965, and Title VII of the Civil Rights Act of 1964.

The Bidder agrees that it will obtain, prior to the award of any subcontract for more than \$10,000 hereunder to a subcontractor with 100 or more employees, a statement, signed by the proposed subcontractor, that the proposed subcontractor has filed a current report on Standard Form 100.

The Bidder agrees that if it has 100 or more employees and has not submitted a report on Standard Form 100 for the current reporting year and that if this Contract will amount to more than \$10,000, the Bidder will file such report, as required by law, and notify the owner in writing of such filing prior to the Owner's acceptance of this Proposal.

b. *Equal Opportunity Clause. During the performance of this Contract, the Bidder agrees as follows:*

- (1) *The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Bidder will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotions or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection of training, including apprenticeship. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this Equal Opportunity Clause.*

- (2) *The Bidder will, in all solicitations or advertisements for employees placed by or on behalf of the Bidder, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.*
 - (3) *The Bidder will send to each labor union or representative of workers, with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the Bidder's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.*
 - (4) *The Bidder will comply with all provisions of Executive Order 11246 of September 24, 1965, and the rules, regulations and relevant orders of the Secretary of Labor.*
 - (5) *The Bidder will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.*
 - (6) *In the event of the Bidder's noncompliance with the Equal Opportunity Clause of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part, and the Bidder may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as provided by law.*
 - (7) *The Bidder will include this Equal Opportunity Clause in every subcontract or purchase order unless exempted by the rules, regulations, or order of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Bidder will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; Provided, however, that in the event Bidder becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Bidder may request the United States to enter into such litigation to protect the interests of the United States.*
- c. *Certificate of Nonsegregated Facilities. The Bidder certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Bidder agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this Contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Bidder agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that it will retain such certifications in its files.*

Section 7. Nonassignment of Contract. *The Bidder shall perform directly and without subcontracting not less than twenty-five percent (25%) of the construction of the project, to be calculated on the basis of the*


total Contract price. The Bidder shall not assign the Contract effected by an acceptance of this Proposal or any interest in any funds that may be due or become due hereunder or enter into any contract with any person, firm or corporation for the performance of the Bidder's obligations hereunder or any part thereof, without the approval in writing of the Owner and of the Surety or Sureties, if any, on any bond furnished by the Bidder for the faithful performance of the Bidder's obligations hereunder. If the Bidder, with the consent of the Owner and any Surety or Sureties on the Contractor's Bond or Bonds, shall enter into a subcontract with any subcontractor for the performance of any part of this Contract, the Bidder shall be as fully responsible to the Owner and the Government for the acts and omissions of such subcontractor and of persons employed by such subcontractor as the Bidder would be for its own acts and omissions and those of persons directly employed by it.

Section 8. Successors and Assigns. Each and all of the covenants and agreements herein contained shall extend to and be binding upon the successors and assigns of the parties hereto. The Owner and Bidder acknowledge that this Contract is assigned to the Government, acting through the Administrator, for security purposes under the Owner's mortgage and security instrument.

Section 9. Independent Contractor. The Bidder shall perform the work as an independent contractor, not as a subcontractor, agent, or employee of the Owner. Upon acceptance of this Proposal, the successful Bidder shall be the Contractor and all references in the Proposal to the Bidder shall apply to the Contractor.

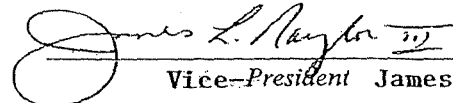
Section 10. Approval by the Administrator: This contract does X , does not X , require approval of the Administrator. No acceptance of a Proposal for a contract upon which approval of the Administrator is required shall become effective until the contract has been approved by the Administrator; provided that no obligation shall arise hereunder unless such approval is given within one-hundred twenty (120) days after the date set for the opening of the proposals. The acceptance of a Proposal for a contract upon which approval of the Administrator is not required shall become effective the date of acceptance by the Owner.

ATTEST:


Secretary

Pullman Power LLC

Bidder



Vice-President James L. Naylor, III

Dated Feb. 10, 2005

1575 Universal Ave., Suite 230

Address Kansas City, MO 64120

The Proposal must be signed with the full name of the Bidder. If the Bidder is a partnership, the Proposal must be signed in the partnership name by a partner. If the Bidder is a corporation, the Proposal must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

REDACTED
ACCEPTANCE

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Subject to the approval of the Administrator, if approval of the Administrator is required, the Owner hereby accepts the foregoing Proposal of the Bidder, Pullman Power LLC

_____ , for the construction of the following:

Chimney for Spurlock #4

for a total contract price of  

East Kentucky Power Cooperative
Owner

By Alvin H. [Signature]
President

Della E. Danson, Forandor
Secretary

behalf of the Corporate Secretary

April 12, 2005
Date of Contract

U.S. Department of Agriculture
Rural Utilities Service

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CONTRACTOR'S BOND

1. Know all men that we, _____ as
Principal, and _____ as Surety,
are held and firmly bound unto _____
(hereinafter called the "Owner") and unto the United States of America (hereinafter called the "Government")
and unto all persons, firms and corporations who or which may furnish materials for or perform labor on a
Rural Utilities Service project known as _____
and to their successors and assigns, in the penal sum of _____
dollars (\$ _____), as hereinafter set forth and for the payment of which sum well
and truly to be made we bind ourselves, our executors, administrators, successors and assigns jointly and
severally by these presents. Said project is described in a certain construction contract (hereinafter called the
"Construction Contract") between the Owner and the Principal, dated _____, 20____
pursuant and subject to a certain loan contract (hereinafter called the "Loan Contract") between the Owner
and the Government, acting through the Administrator of the Rural Utilities Service (hereinafter called the
"Administrator").
2. The condition of this obligation is such that if the Principal shall well and truly perform and fulfill all the
undertakings, covenants, terms, conditions and agreements of the Construction Contract and any amendments
thereto, whether such amendments are for additions, decreases, or changes in materials, their quantity, kind or
price, labor costs, mileage, routing or any other purpose whatsoever, and whether such amendments are made
with or without notice to the Surety, and shall fully indemnify and save harmless the Owner and the
Government from all costs and damages which they, or either of them, shall suffer or incur by reason of any
failure so to do, and shall fully reimburse and repay the Owner and the Government for all outlay and expense
which they, or either of them shall incur in making good any such failure of performance on the part of the
Principal, and shall promptly make payment to all persons working on or supplying labor or materials for use
in the construction of the project contemplated in the Construction Contract and any amendments thereto, in
respect of such labor or materials furnished and used therein, to the full extent thereof, and in respect of such
labor or materials furnished but not so used, to the extent of the quantities estimated in the Construction
Contract and any amendments thereto to be required for the construction of the project, and shall well and
truly reimburse the Owner and the Government, as their respective interests may appear, for any excess in cost
of construction of said project over the cost of such construction as provided in the Construction Contract and
any amendments thereto, occasioned by any default of the Principal under the Construction Contract and any
amendments thereto, then this obligation shall be null and void, but otherwise shall remain in full force and
effect.
3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal
and separate amendments hereto, upon any amendment to the Construction Contract, so as to bind the
Principal and the Surety to the full and faithful performance of the Construction Contract as so amended,
provided only that the total amount of all increases in the cost of construction shall not exceed 20 percent of the
amount of the maximum price set forth in the Construction Contract. The term "Amendment," wherever used
in this bond, and whether referring to this bond, the Construction Contract or the Loan Contract shall include
any alteration, addition, extension, modification, amendment, rescission, waiver, release or annulment, of any
character whatsoever.
4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the
Principal and the Owner in the terms, provisions, covenants and conditions of the Construction Contract, or in
the terms, provisions, covenants and conditions of the Loan Contract (including, without limitation, the
granting by the Administrator to the Owner of any extension of time for the performance of the obligations of

the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Construction Contract, or the failure or refusal of the Administrator or the Owner to take any action, proceeding or step to enforce any remedy or exercise any right under either the Construction Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Construction Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them or their respective executors, administrators, successors or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted or permitted.

- 5. This bond is made for the benefit of all persons, firms and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed under the Construction Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they and each of them may sue hereon.

In witness whereof, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

_____ day of _____, 20_____

Principal (Seal)

ATTEST:

By _____

Secretary

Surety (Seal)

ATTEST:

By _____

Secretary

Address of Surety's Home Office

By _____
Resident Agent of Surety

Signatures: The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by a partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended.

Power of Attorney: The Contractor's Bond must be accompanied by a power of attorney authorizing execution on behalf of the Surety and, in jurisdictions so requiring should be countersigned by a duly authorized resident agent of the Surety.

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CERTIFICATE OF COMPLETION - CONTRACT CONSTRUCTION

I, the undersigned Architect or Engineer of the following Rural Utilities Service project, do hereby certify that:

1. The construction provided for pursuant to Construction Contract No. _____, dated _____, 20____, including all approved amendments, between _____, RUS designation _____ ("Owner") and _____ ("Contractor") has been completed as of _____, 20____, and is in compliance with the provisions of the Construction Contract, including all plans, specifications, maps, and drawings and all modifications thereof.
2. Payment in full has been made to all persons who have furnished labor for the project.
3. The Contractor has obtained valid releases of lien from all manufacturers, material suppliers, and subcontractors furnishing services or materials which were employed by the Contractor in the performance of the Construction Contract, and that such releases have been delivered by the Contractor to the Owner.
4. If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of all work performed in accordance with the Construction Contract.
5. If applicable, the staking sheets and tabulation of staking sheets upon which the Final Inventory is based show the accurate location, number, and kind of till units of construction of the project and show all work performed in accordance with the Construction Contract.
6. All defects in workmanship and materials reported during the period of construction of the project have been corrected.
7. The total cost of the project as completed is _____ dollars (\$ _____).

Dated this _____ day of _____, 20____,

Date

Name of Architect or Engineer
By _____

Title

CERTIFICATE OF COMPLETION CONTRACT CONSTRUCTION

(continued)

We, the undersigned Owner and Contractor, do hereby certify that

1. *The project has been completed in accordance with the provisions of the Construction Contract, dated _____, 20 _____, provided, however, that acceptance of the project by the Owner shall not be deemed to relieve the Contractor of its obligations contained in the Construction Contract with respect to defective workmanship or, materials discovered within one year after the date of completion.*

2. *If applicable, the Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project and of work performed in accordance with the Construction Contract.*

Date

Date

Owner

By _____
President

Name Of Contactor

By _____

Title

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0572-0107. The time required to complete this information collection is estimated to average 1 minute per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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WAIVER AND RELEASE OF LIEN

WHEREAS the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

has furnished to _____ the following:
NAME OF CONTRACTOR

_____ for
KIND OF MATERIAL AND SERVICES FURNISHED

use in the construction of a project belonging to _____,
NAME OF BORROWER

and designated by the Rural Utilities Service as _____
RUS DESIGNATION

NOW, THEREFORE, the undersigned, _____
NAME OF MANUFACTURER, MATERIAL SUPPLIER OR SUBCONTRACTOR

for and in consideration of \$ _____, and other good and valuable consideration, upon receipt of same ~~the receipt whereof is hereby acknowledged~~, do(es) hereby waive and release any and all liens, or right to or claim of lien, on the above described project and premises, under any law, common or statutory, on account of labor or materials, or both, heretofore or hereafter furnished by the undersigned to or for the account of

said _____ for said project
NAME OF CONTRACTOR

Given under my (our) hand(s) and seal(s) this _____ day of _____, 20 _____

Name Of Manufacturer, Material Supplier, or Subcontractor

By _____
President

This Waiver and Release of Lien must be signed with the full name of the Manufacturer, Material Supplier, or Subcontractor. If the Manufacturer, Material Supplier, or Subcontractor is a partnership, this Waiver and Release of Lien must be signed in the partnership name by a partner. If the Manufacturer, Material Supplier, or Subcontractor is a corporation, this Waiver and Release of Lien must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

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**BUY AMERICAN
CERTIFICATE**

With respect to compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938).

Rural Utilities Service Project Contract F221 – Chimney, Spurlock Station – Unit 4

The undersigned, being, the Contractor¹
in a certain contract No. _____ dated _____, between the undersigned
and East Kentucky Power Cooperative²,

does hereby certify that in the performance of the said contract there have been used or furnished no unmanufactured articles, materials or supplies which have not been mined or produced in the United States² or in any eligible country and no manufactured articles, materials or supplies which have not been manufactured in the United States or in any eligible country substantially all from articles, materials or supplies mined, produced or manufactured, as the case may be, in the United States or in any eligible country, except to the extent that compliance with the second paragraph of the Rural Electrification Act of 1938, being Title IV of the Work Relief and Public Works Appropriation Act of 1938 (Public Resolution No. 122, 75th Congress, approved June 21, 1938) has been waived by the Administrator of the Rural Utilities Service. For purposes of this certificate, an "eligible country" is any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and suppliers to the markets of that country, as determined by the United States Trade Representative.³

Pullman Power LLC

By James L. Naylor, III
James L. Naylor, III, Vice President

Date February 10, , 2005

¹ Insert "Contractor," "Subcontractor," "Seller," Or "Material Supplier," as the case may be

² United States means United States, its territories and possessions.

³ A current list of eligible countries may be obtained by contacting RUS.

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CERTIFICATE OF CONTRACTOR

_____ certifies that he or she is the
_____ of _____,
TITLE NAME OF CONTRACTOR

the Contractor, in a Construction Contract No. _____

dated _____, 20____, entered into between the Contractor and
_____, RUS designation _____,
NAME OF RUS BORROWER

the Owner, and that he or she is authorized to and does make this certification on behalf of said Contractor in order to induce the Owner to make payment to the Contractor, in accordance with the provisions of said Construction Contract.

Undersigned further says that all persons who have furnished labor in connection with said construction have been paid in full, that the names of manufacturers, material suppliers, and subcontractors that furnished material or services or both in connection with such construction and the kind or kinds of material or services or both so furnished are:

NAME	KIND OF MATERIAL OR SERVICES
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

and that the releases of liens executed by all such manufacturer, material suppliers and subcontractors have been furnished the Owner.

_____ Date _____ President

This Certificate must be signed with the full name of the Contractor. If the Contractor is a partnership, this Certificate must be signed in the partnership name by a partner. If the Contractor is a corporation, this Certificate must be signed in the corporate name by a duly authorized officer.

1.01 COPIES OF BIDDING DOCUMENTS

- A. Complete sets of the Bidding Documents in the number and for the deposit sum, if any, stated in the Notice and Instructions to Bidders may be obtained from the Owner.
- B. Complete sets of Bidding Documents must be used in preparing Bids; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- C. Owner and Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids for the Work and do not confer a license or grant for any other use.

1.02 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

- A. Subsurface and physical conditions:
 - 1. General Conditions identify:
 - a. Those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Bidding Documents.
 - b. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in above will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.02 of the General Conditions has been identified and established in paragraph 4.02. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions or information contained in such reports or shown or indicated in such drawings.
- B. Underground Facilities: Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
- C. Hazardous Environmental Condition:
 - 1. General Conditions identify those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that Engineer has used in preparing the Bidding Documents.
 - 2. Copies of reports and drawings referenced in paragraph 4.03.A of the General Conditions will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 4.06 of the General Conditions has been identified and established in paragraph 4.06. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.
- D. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in paragraphs 4.02, 4.03, and 4.04 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work appear in paragraph 4.06 of the General Conditions.

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- E. On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.
- F. Reference is made to Article 7 of the General Conditions for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work for which a Proposal is to be submitted. On request, Owner will provide to each Bidder for examination access to or copies of Construction Contract – Generating (other than portions thereof related to price) for such other work.
- G. It is the responsibility of each Bidder before submitting a Proposal to:
1. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
 2. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
 3. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
 4. Carefully study all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and carefully study all reports and drawings of a Hazardous Environmental Condition, if any, at the Site which have been identified as provided in paragraph 4.06 of the General Conditions;
 5. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
 6. Agree at the time of submitting its Proposal that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Proposal for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
 7. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
 8. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
 9. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
 10. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- H. The submission of a Proposal will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Proposal is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

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1.03 PRE-BID CONFERENCE

- A. ~~A pre-Bid conference will be held at _____ pm on _____, 2005 at Spurlock Station. Representatives of Owner and Engineer will be present to discuss the Project. Bidders are required to attend and participate in the conference. Engineer will transmit to all prospective Bidders of record such Addenda as Engineer considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.~~

1.04 SITE AND OTHER AREAS

- A. The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents.

1.05 INTERPRETATIONS AND ADDENDA

- A. All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing.

Mr. Larry Shell
Stanley Consultants, Inc.
225 Iowa Avenue
Muscatine, IA 52761-3764
Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

- B. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents.
- C. Questions received less than 5 days prior to the date for opening of Proposals may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- D. Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner or Engineer.
- E. Owner will not consider requests for time extensions of the bidding period.

1.06 CONTRACT TIMES

- A. The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in Section 01110.

1.07 LIQUIDATED DAMAGES

- A. Provisions for liquidated damages, if any, are set forth in the ~~General Conditions~~ **Construction Contract - Generating**.

1.08 SUBSTITUTE AND "OR-EQUAL" ITEMS

- A. The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is

specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Agreement. The procedure for submission of any such application by Contractor and consideration by Engineer is set forth in the General Conditions and may be supplemented in the General Requirements.

1.09 BASIS OF PROPOSAL; EVALUATION OF PROPOSALS

A. Lump Sum:

1. Bidders shall submit a Proposal on a lump sum basis for the Base Proposal and shall include a separate price for each alternate described in the Bidding Documents as provided for in the Proposal form. The price for each alternate will be the amount added to or deleted from the Base Proposal if Owner selects the alternate.
2. In the evaluation of Proposals, alternates will be applied in the same order as listed in the Proposal form. Owner may select or reject each alternate as best serves its interests, and may use prices bid for each selected alternate in determining Successful Bidder.

~~B. The Proposal price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in paragraph 11.02 of the General Conditions.~~

~~C. Bid prices will be compared after adjusting for differences in the time designated by Bidders for Substantial Completion. The adjusting amount will be determined at the rate set forth in the Contract Documents for liquidated damages for failing to achieve Substantial Completion for each day before or after the desired date appearing in Section 01110.~~

B. Include total cost for services of Erecting Superintendent(s) in Proposal. See Contract Documents for specific requirements.

1.10 SUBMITTAL OF PROPOSALS

A. Proposal form is included with the Bidding Documents.

B. Each prospective Bidder is furnished one copy of the Bidding Documents. Proposal Form is to be completed and submitted with Section 00434 – Bidder Data and Information.

C. One original Proposal signed in blue ink, one copy of Proposal, and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Owner at the following address:

East Kentucky Power Cooperative, Inc.
Attention: Mr. Jim Shipp-Craig Johnson
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707
Telephone: 859.744.4812
Fax: 859.744.6008
E-mail: shippcraig.johnson@ekpc.coop

D. Two duplicate copies of the Proposals and all supporting instruments must be submitted on the forms furnished by the Owner and must be delivered in a sealed envelope addressed to the Engineer at the following address:

Stanley Consultants, Inc.
Attention: Mr. Larry Shell
225 Iowa Avenue
Muscatine, IA 52761-3764

Telephone: 563.264.6455
Fax: 563.264.6658
E-mail: shelllarry@stanleygroup.com

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- E. The name and address of the Bidder and the date and hour of the opening of bids must appear on the envelope in which the Proposal is submitted. All blanks on Proposal form shall be completed by printing in black ink or by typewriter. No alterations or interlineations will be permitted, unless made before submission and initialed and dated
- F. Proposal shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Proposal Form.
- G. Any lump sum Proposal Price shall be stated in words and figures; in case of conflict, words take precedence.
- H. Names shall be typed or printed in ink below the signatures. Address and telephone number for communications regarding the Proposal shall be shown.
- I. Facsimile copies of Proposals will not be accepted.

1.11 MODIFICATION AND WITHDRAWAL OF PROPOSAL

- A. Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Proposal must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- B. If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Proposal security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

1.12 SALES AND USE TAXES

- A. Prices set forth in the Proposal shall not include any sums which are, or may be, payable by the Bidder or the Owner on account of any Kentucky Sales or Use Tax upon the sale, purchase, or use of material, supplies, or equipment incorporated in the Project.
- B. Owner will be fully responsible to the Department of Revenue for any Kentucky Sales or Use Tax that may be applied as a direct consequence of the Project, and the Bidder shall not pay this Tax when purchasing materials, supplies, or equipment for the Project.
- C. When applicable, the Owner will provide the Bidder with appropriate exemption forms for the purchase of such materials, supplies, or equipment, and the Bidder will cooperate with the Owner in supplying pertinent data and information to assist the Owner in taking maximum advantage of Kentucky Sales and Use Tax exemptions. The Bidder agrees to state separately the cost of labor and materials, supplies or equipment incorporated in the Proposal.
- D. Any sales or use tax payable as a consequence of a failure on the part of the Bidder to comply with these provisions will be paid by the Bidder as an additional expense of the Bidder, and any amounts paid will not be reimbursable by the Owner.

END OF SECTION

PROJECT AND CONTRACT IDENTIFICATION

This Proposal pertains to Contract F221E224 - Chimney for the ~~E. A. Gilbert Unit 3~~ **Spurlock Station Unit 4** Project, for East Kentucky Power Cooperative.

Article 1. BID RECIPIENT

- 1.1 This Proposal is submitted to: East Kentucky Power Cooperative, Inc.
Attn: ~~Mr. Jim Shipp~~ **Mr. Craig Johnson**
P. O. Box 0707
4475 Lexington Road
Winchester, KY 40392-0707
- 1.2 The undersigned Bidder proposes and agrees, if this Proposal is accepted, to enter into an Contract with Owner in the form included in the Construction Contract - Generating to perform the Work as specified or indicated in the Construction Contract - Generating for the prices and within the times indicated in this Proposal and in accordance with the other terms and conditions of the Construction Contract - Generating.

Article 2. BIDDER'S ACKNOWLEDGMENTS

- 2.1 Bidder accepts all of the terms and conditions of the Notice and Instructions to Bidders, including without limitation those dealing with the disposition of bid security. The Proposal will remain subject to acceptance for 90 days after the Proposal opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 2.2 Bidder accepts the provisions of the Contract as to liquidated damages in the event of its failure to perform the Work in accordance with the schedule set forth in the Contract.

Article 3. BIDDER'S REPRESENTATIONS

- 3.1 In submitting this Proposal, Bidder represents, as set forth in the Contract, that:
 - 3.1.1 Bidder has examined and carefully studied the Construction Contract - Generating, the other related data identified in the Construction Contract - Generating, and the following Addenda, receipt of all which is hereby acknowledged.

Addendum No.	Addendum Date
<u>None</u>	_____
_____	_____
_____	_____
 - 3.1.2 Bidder has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified as provided in paragraph 4.02 of the General Conditions, and
 - 3.1.3 Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Construction Contract - Generating to be employed by Bidder, and safety precautions and programs incident thereto.