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**COORDINATION AGREEMENT**

Dated as of July 1, 2009,

by and between

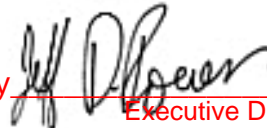
**BIG RIVERS ELECTRIC CORPORATION**

and

**ALCAN PRIMARY PRODUCTS CORPORATION**

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**PUBLIC SERVICE COMMISSION  
OF KENTUCKY  
EFFECTIVE  
7/17/2009  
PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)**

By   
Executive Director

## COORDINATION AGREEMENT

This COORDINATION AGREEMENT ("Agreement") is made and entered into as of July 1, 2009, by and between BIG RIVERS ELECTRIC CORPORATION, a Kentucky rural electric cooperative ("Big Rivers"), and ALCAN PRIMARY PRODUCTS CORPORATION, a Texas corporation ("Alcan"). Big Rivers and Alcan are sometimes referred to herein collectively as the "Parties" and individually as a "Party."

### RECITALS

A. Kenergy Corp., a Kentucky retail rural electric cooperative, currently supplies and delivers to Alcan, the owner and operator of an aluminum reduction plant in Sebree, Kentucky, electric energy and related services pursuant to an Agreement for Electric Service, dated July 15, 1998, between Henderson Union Electric Cooperative Corp., Kenergy's predecessor-in-interest, and Alcan Aluminum Corporation, Alcan's predecessor in interest (the "Existing Alcan Agreement").

B. Kenergy currently purchases certain electric energy and related services for resale to Alcan from Western Kentucky Energy Corp., an affiliate of E. ON U.S., LLC, formerly known as LG&E Energy Corp. (together with such affiliates and parent, collectively, "LG&E") under an Agreement for Electric Service, dated as of July 15, 1998 (the "Kenergy/LG&E Contract").

C. Kenergy also currently purchases additional electric energy and related services for resale to Alcan, to serve the energy requirements of Alcan not provided by LG&E, from third-party suppliers, including Big Rivers.


D. The Existing Alcan Agreement and the Kenergy/LG&E Contract were entered into in connection with the consummation of a series of transactions implementing the First Amended Plan of Reorganization of Big Rivers, as part of which, among other things (i) Big Rivers leased its generating facilities to LG&E and (ii) Big Rivers entered into a power purchase arrangement with LG&E whereby LG&E supplied Big Rivers with electric energy and related services for resale to its Members.

E. Big Rivers and LG&E have agreed to terminate and unwind existing transactions among them relating to the lease by Big Rivers of its interest in its generating facilities to LG&E and the sale by LG&E of electric energy and related services to Big Rivers.

F. In connection with and as a condition to such termination and unwind transactions, Big Rivers has agreed to supply electric energy and related services to Kenergy for resale to Alcan pursuant to a wholesale power sales agreement, dated as of the date hereof (the "Alcan Wholesale Agreement").

G. Kenergy has agreed to supply a similar amount of electric energy and related services to Alcan pursuant to a retail electric service agreement, dated as of the date hereof (the "Alcan Retail Agreement").

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H. Big Rivers, Kenergy and Alcan have further agreed that Alcan will make payments due under the Alcan Retail Agreement to a depository bank under a certain Security and Lockbox Agreement to be executed among Big Rivers, Kenergy, Alcan and a depository bank selected by those parties (the "Lockbox Agreement") or, under arrangements relating to sales of Energy by Third Party Suppliers to Kenergy for resale to Alcan to the depository under other similar lockbox arrangements among Kenergy, Alcan and the Third Party Supplier.

I. As a further condition to the execution and delivery of the Alcan Wholesale Agreement by Big Rivers, and the execution and delivery of the Alcan Retail Agreement by Alcan, respectively, the Parties desire to enter into this Agreement to coordinate the performance of their respective obligations under such agreements.

### AGREEMENT

NOW, THEREFORE, in consideration of the premises and their mutual covenants set forth herein, and for other good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound hereby, the Parties hereto agree as follows:


1. Definitions; Rules of Interpretations. Capitalized terms used in this Agreement and not defined herein have the meanings assigned to those terms in the Alcan Retail Agreement. The rules of interpretation set forth in Section 1.2 of the Alcan Retail Agreement shall apply to this Agreement as though fully set forth herein.

2. Term and Survival of Obligations. This Agreement shall commence on the date first written above, provided that the obligations of the Parties under Section 3 and Section 5 shall not commence until the Effective Date. This Agreement shall continue in effect until the Alcan Retail Agreement expires or is terminated in accordance with its terms. Notwithstanding the foregoing, any provision of this Agreement providing for payment from one party to the other for assignment of the right to collect and enforce collection of amounts due, or related to remedies for default, damage claims, or payment of other amounts will survive termination or expiration of this Agreement to the extent necessary for its enforcement and the protection of the Party in whose favor such provision exists.

3. Covenants and Agreements.

3.1 Alcan Retail Agreement. Alcan shall (i) fully perform and discharge all of its obligations under the Alcan Retail Agreement unless excused in accordance with the terms thereof; (ii) not act or rely upon any written or oral waivers granted by Kenergy of Alcan's performance under or compliance with provisions of the Alcan Retail Agreement that could be reasonably expected to materially adversely affect Big Rivers' rights or interests under the Alcan Wholesale Agreement without the prior written consent of Big Rivers; (iii) not waive the performance and discharge by Kenergy of its material obligations under the Alcan Retail Agreement without the prior written consent of Big Rivers; (iv) not amend or modify the Alcan Retail Agreement without the prior written consent of Big Rivers (the addition, deletion, modification or amendment of supplemental tariffs contemplated by the Alcan Retail Agreement which has been approved by the KPSC is deemed not to be an amendment or modification of the Alcan Retail Agreement for the purposes of this Section 3.1); (v) not terminate or repudiate the

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Alcan Retail Agreement (including by rejection or similar termination in a bankruptcy proceeding involving Alcan) other than in accordance with the provisions thereof without the prior written consent of Big Rivers; (vi) make payments pursuant to the Alcan Retail Agreement when due and in accordance therewith and the Lockbox Agreement for so long as such agreements exist; (vii) not take any action or support any action by others that in any manner would impede Alcan's ability to fulfill its obligations to Kenergy or Big Rivers under the Alcan Retail Agreement or this Agreement or act in any manner that could reasonably be expected to materially adversely affect its ability to perform or discharge its obligations under this Agreement; (viii) provide Big Rivers with a copy of all notices sent to Kenergy pursuant to the Alcan Retail Agreement; and (ix) not assign or transfer (by operation of law or otherwise) any rights or interests that it may have in the Alcan Retail Agreement except in accordance with Article 16 thereof; *provided*, that any transfer or assignment pursuant to Article 16 thereof which requires the consent or approval of Kenergy also shall require the consent of Big Rivers.

3.2 Alcan Wholesale Agreement. Big Rivers shall (i) fully perform and discharge all of its obligations under the Alcan Wholesale Agreement unless excused in accordance with the terms thereof; (ii) not act or rely upon any written or oral waivers granted by Kenergy of Big Rivers' performance under or compliance with provisions of the Alcan Wholesale Agreement that could be reasonably expected to materially adversely affect Alcan's rights or interests under the Alcan Retail Agreement without the prior written consent of Alcan; (iii) enforce the performance and discharge by Kenergy of its material obligations under the Alcan Wholesale Agreement and not waive the performance and discharge by Kenergy of its material obligations thereunder; (iv) not amend or modify the Alcan Wholesale Agreement without the prior written consent of Alcan (the addition, deletion, modification or amendment of supplemental tariffs contemplated by the Alcan Wholesale Agreement which has been approved by the KPSC is deemed not to be an amendment or modification of the Alcan Wholesale Agreement for the purposes of this Section 3.2); (v) not terminate or repudiate the Alcan Wholesale Agreement (including by rejection or similar termination in a bankruptcy proceeding involving Big Rivers) other than in accordance with the provisions thereof; (vi) not take any action or support any action by others that in any manner would impede Big Rivers' ability to fulfill its obligations to Kenergy or Alcan under the Alcan Wholesale Agreement or this Agreement or act in any manner that could reasonably be expected to materially adversely affect its ability to perform or discharge its obligations under this Agreement; (vii) provide Alcan with a copy of all notices sent to Kenergy pursuant to the Alcan Wholesale Agreement; and (viii) not assign or transfer (by operation of law or otherwise) any rights or interests that it may have in the Alcan Wholesale Agreement except in accordance with Article 16 thereof; *provided*, that any transfer or assignment pursuant to Article 16 thereof which requires the consent or approval of Kenergy also shall require the consent of Alcan.

3.3 Payments.

(a) Big Rivers shall pay Alcan upon the Effective Date an amount equal to \$3,485,577 less \$83,333 for each month after December 31, 2006 (calculated as of the 25th day of each month) (the "Assurances Agreement Payment") in lieu of amounts otherwise payable under Section 3(i) of the Assurances Agreement between Alcan and L&E Energy Marketing Inc., dated as of July 15, 1998. Big Rivers shall make the Assurances Agreement Payment to Alcan on the Effective Date; *provided*, that Big Rivers shall pay the monthly portion

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of the Assurances Agreement Payment against one or more invoices relating to the sale of electric energy or related services to Kenergy for resale to Alcan prior to the Effective Date.

(b) Big Rivers shall pay Alcan upon the Effective Date \$3,031,000.

(c) Upon the Effective Date, Big Rivers shall be obligated to pay Alcan within five (5) days of the Effective Date an amount equal to the difference between (i) the aggregate dollar amount charged by Big Rivers to Kenergy for Block A Energy, Block A-1 Energy, Block B Energy and Block C Energy as defined in the Agreement for Tier 3 Energy dated November 29, 2007 and the First Amendment thereto dated June 6, 2008 between Big Rivers and Kenergy for the benefit of Alcan (collectively, as extended, the "2008 Tier 3 Agreement"), for the period beginning at 12:01 AM on October 6, 2008 through midnight of the Effective Date (the "Payment Period") and (ii) the dollar amount calculated by multiplying the aggregate volume of Block A Energy, Block A-1 Energy, Block B Energy and Block C Energy delivered by Big Rivers to Kenergy for resale to Alcan pursuant to the 2008 Tier 3 Agreement during the Payment Period times the rate of \$43.11 per MWh. For example, if the volume of Block A Energy, Block A-1 Energy, Block B. Energy and Block C Energy delivered by Big Rivers during the Payment Period was 175,000 megawatt hours for an aggregate charge of \$8,900,000, the payment would be \$1,226,420 (\$8,900,000 less (175,000 x \$43.11 = \$7,673,580) = \$1,226,420).

### 3.4 Budget.

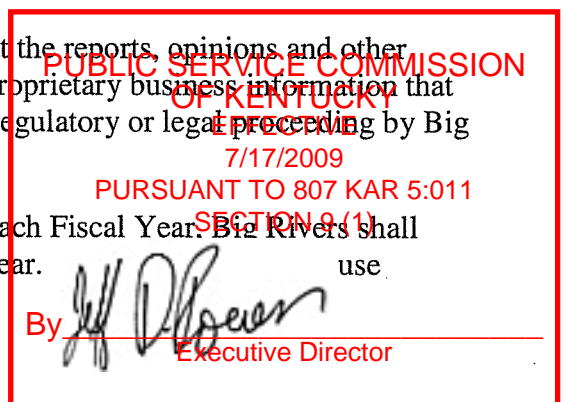
(a) Big Rivers shall provide to Alcan for its review and evaluation (i) on or prior to the date 90 days prior to the end of each Fiscal Year, a copy of Big Rivers' then-current draft proposed annual capital and operating budget (the "Proposed Budget") for the following Fiscal Year, and (ii) any reasonably requested supporting information with respect to the Proposed Budget or expenditures in excess of the Budget.

(b) If requested by either Alcan or Century, Big Rivers and Alcan and, if the Century Retail Agreement is in effect, Century, shall jointly engage an independent expert (the "Independent Engineer") and shall agree on the scope of review required to evaluate the draft Proposed Budget. Big Rivers shall pay 50% and Alcan shall pay 50% of the fees and expenses of the Independent Engineer (or Alcan shall pay 25% if the Century Retail Agreement is in effect).

(c) Alcan shall have the opportunity to present the conclusions and recommendations of the Independent Engineer with respect to the Proposed Budget to the Coordinating Committee and to Big Rivers' Board of Directors as soon as reasonably practicable following the Independent Engineer's completion of the Proposed Budget evaluation.

(d) Big Rivers and Alcan will treat the reports, opinions and other work product of the Independent Engineer as confidential, proprietary business information that will not be publicly disclosed or offered as evidence in any regulatory or legal proceeding by Big Rivers, Kenergy or Alcan.

(e) On or prior to the last day of each Fiscal Year, Big Rivers shall provide Alcan copies of the final Budget for the following year.



reasonable commercial efforts to keep its expenses each year within such year's Budget, but makes no representation that keeping its expenses within such year's Budget will be commercially feasible.

(f) Big Rivers shall provide Alcan notice if:


(i) Big Rivers (A) incurs or plans to incur \$4 million of capital expenditures in any Fiscal Year in excess of the capital expenditures in the Budget for such Fiscal Year, or (B) thereafter incurs or plans to incur an additional \$3 million of capital expenditures in excess of the capital expenditures in the Budget for such Fiscal Year; or

(ii) Big Rivers (A) incurs or plans to incur operating expenses in any Fiscal Year aggregating 2.5% in excess of Big Rivers' total operating expenses in the Budget for such Fiscal Year, or (B) thereafter, incurs or plans to incur an additional 1.25% of such total operating expenses in the Budget, excluding in each case expenses for fuel, environmental compliance or purchased power.

At the request of Alcan, the Coordinating Committee shall meet to discuss the causes of such capital expenditures or operating expenses in excess of the budgeted amounts and, after meeting with the Coordinating Committee, if further requested, Big Rivers shall permit Alcan to make one presentation to Big Rivers' Board with respect thereto.

3.5 Plan of Reorganization. The Parties acknowledge and agree that nothing in the Alcan Retail Agreement, the Alcan Wholesale Agreement, this Agreement or any document or agreement relating thereto may be construed to amend, affirm, waive or otherwise alter the terms of Schedule 5.4(a) of the Big Rivers' plan of reorganization, as modified June 1, 1998, or any document or agreement relating thereto regarding the obligation of Big Rivers to serve Kenergy for the benefit of Alcan; *provided*, that Alcan and Big Rivers disagree, notwithstanding the Unwind Transaction, as to the obligation of Big Rivers, in the absence of a new or amended contract, to serve Kenergy for the benefit of Alcan when the Existing Alcan Agreement terminates or when the Alcan Retail Agreement terminates. The Parties acknowledge that clarity on this issue is desired by both Parties so that necessary and appropriate capital planning and decision-making can be undertaken. The Parties agree to endeavor in good faith to resolve this disagreement prior to 2015.

3.6 Alcan Credit Support. Alcan shall (i) if the rating of the unenhanced, unsecured debt obligation of Alcan Parent with Standard & Poor's is not "A+" or higher (and in addition, if Alcan Parent has such a rating from Moody's, that rating with Moody's is not "A1" or higher), provide and maintain credit support in the form of a letter of credit from a bank rated "A+" or higher, or other credit support acceptable to Big Rivers and Kenergy in an amount equal to the amounts estimated by Big Rivers to be due to Big Rivers and Kenergy with respect to Alcan's obligations under the Alcan Retail Agreement for a period of two months, and any amount which Big Rivers estimates reasonably could be due with respect to taxes relating to any sale of Energy pursuant to Section 4.13.3 as Economic Sales, Section 10.1 as Surplus Sales, Section 10.2 as Undeliverable Energy Sales or Section 10.3 as Potline Production Sales, in each

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case, of the Alcan Retail Agreement (“Potential Tax Liability”); and (ii) cause Alcan Parent to guarantee to Big Rivers and Kenergy payment and performance of all obligations of Alcan under the Alcan Retail Agreement, including Potential Tax Liability, and all obligations of Alcan under the other documents entered into by Alcan and its Affiliates in connection with the New Transaction pursuant to a Guarantee Agreement executed by Alcan Parent in favor of Big Rivers and Kenergy which shall be satisfactory in form and substance to Big Rivers (the “Alcan Guarantee”). At the request of Big Rivers, Alcan will maintain the Alcan Guarantee until closure of all applicable tax years of Big Rivers. At the request of Alcan, Big Rivers will provide Alcan with information as to the amount and calculation of the estimated Potential Tax Liability and reasonably detailed documentation in support thereof.

3.7 Transmission Upgrade. As soon as reasonably practicable, Big Rivers will develop, finance and construct improvements to its transmission facilities to permit Big Rivers to transmit to its border all Base Fixed Energy.

3.8 Proceedings Affecting Rates.


(a) The Parties acknowledge and agree that

(i) Big Rivers shall have the right to seek KPSC approval for changes to the Non-Smelter Member Rates, and FERC approval of changes to the OATT, from time to time, but Big Rivers shall not seek an increase in its base rates to take effect before January 1, 2010, excluding any roll-in to Big Rivers’ base rates of costs that would otherwise be recovered by the Environmental Surcharge or the FAC, and

(ii) Big Rivers will not seek to implement a wholesale rate reduction other than the Rebate to its Members under the procedures available in KRS 278.455 without the consent of Alcan;

*provided* that this commitment by Big Rivers will have no effect on the availability to Big Rivers’ Members of the procedures in KRS 278.455 to flow-through any wholesale rate decrease to the Non-Smelter Ratepayers.

(b) Alcan shall have the right to intervene and participate in any proceeding that may affect rates at the KPSC or FERC or before any other Governmental Authority. Neither Big Rivers nor Alcan will support or seek, directly or indirectly, from any Governmental Authority, including the KPSC, any challenge to or change in the rate formula set forth in the Alcan Wholesale Agreement or the Alcan Retail Agreement or other terms and conditions set forth therein, including the relationship of the Large Industrial Rate to amounts payable by Alcan pursuant to the Alcan Retail Agreement, except that any Party may initiate or intervene in a proceeding to (i) clarify, interpret or enforce the ~~Alcan Wholesale Agreement or the Alcan Retail Agreement~~, or (ii) challenge the applicable rate for Transmission Services should those services be unbundled for purposes of calculating the Large Industrial Rate. For the avoidance of doubt, Alcan’s intervention and participation in a regulatory proceeding involving cost of service issues relating to the rates of the Non-Smelter Ratepayers shall not be considered a challenge to the rate formula.

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(c) If *Commonwealth of Kentucky ex rel. Gregory D. Stumbo, Attorney General v. Public Service Comm'n and Union Light, Heat and Power Co.*, Franklin Circuit Court, C.A. No. 06-CI-269, or any Applicable Law relating thereto restricts the amounts recovered under the FAC, Appendix A, or the Environmental Surcharge Rider, then Kenergy, Alcan, Big Rivers and, if the Century Retail Agreement is then in effect, Century, shall negotiate in good faith to amend this Agreement (and other agreements entered into in connection herewith) to restore the relative rights and economic benefits thereunder. If such parties are unable to reach an agreement on such amendments, then this Section 3.8 shall not restrict Big Rivers from seeking KPSC approval for an increase to its base rates or an amendment to the FAC, Appendix A, or the Environmental Surcharge Rider.

(d) Nothing in this Agreement shall limit or expand the jurisdiction of the KPSC or the FERC over Big Rivers or the rates, terms and conditions of electric service to Alcan pursuant to the Alcan Retail Agreement or otherwise.


(e) Big Rivers will provide Alcan a copy of any filing with the KPSC or FERC that seeks a change in Big Rivers' tariff or relief authorized by KRS 278.020, KRS 278.030, KRS 278.212, KRS 278.218, KRS 278.300, KRS 278.183 or 807 KAR 5:056.

3.9 Communications; Request for Meetings. Big Rivers will establish with Alcan procedures for the regular dissemination of information relating to the operational and financial performance of Big Rivers. If Alcan believes Big Rivers has or may incur unreasonable costs or expenses, Alcan may request in writing a meeting with Big Rivers' management to discuss such costs or expenses. Such meeting will take place within ten Business Days of the request but shall not be held more frequently than once per fiscal quarter. Nothing in this Section shall obligate Big Rivers to take any action as a result of such meeting.

3.10 Depreciation Rates.

(a) Big Rivers shall not modify its depreciation rates without the approval of or consent or acceptance by the KPSC or, if the KPSC no longer has jurisdiction over Big Rivers, by any other Governmental Authority having jurisdiction over such modification. Big Rivers will provide Alcan reasonable notice of the implementation of such modification together with reasonably detailed documentation describing such modification and an opportunity to discuss such modification with Big Rivers' management prior to the filing of an application for approval of the modification of such depreciation rates with the KPSC or other Governmental Authority having jurisdiction.

(b) Big Rivers shall not initiate a request to a Governmental Authority or RUS for changes to its depreciation rates that would be projected to cause the weighted average depreciation rates for the period from the Effective Date through December 31, 2016, to exceed the weighted average depreciation rates for the same period set forth in the Model, unless (1) Big Rivers determines in good faith, based on discussions with a nationally recognized statistical rating organization and after consultation with Alcan, that it is necessary to make such a modification to its depreciation rates in order to maintain an investment grade credit rating, (2) a Governmental Authority with jurisdiction or RUS directs Big Rivers to modify its depreciation rates, or (3) Big Rivers' independent auditors assert that they would not be able to deliver an

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unqualified audit opinion with respect to Big Rivers' financial statements as a result of Big Rivers' failure to seek or implement a modification of its depreciation rates. For purposes of this clause (b), Big Rivers' weighted average depreciation rates for the period from Effective Date through December 31, 2016, shall be the sum of its total depreciation expense for each year for that same period over the sum of the average gross depreciable plant for each year over that same period, with appropriate adjustments for partial years.

3.11 Audit Rights. Big Rivers will permit Alcan to audit, upon reasonable notice, at its own expense, at a mutually agreeable time, all information in the possession of Big Rivers relating to its service under the Alcan Wholesale Agreement to Kenergy for resale to Alcan, including scheduled deliveries, meter records, billing records, records related to payments to Big Rivers and such other documents related to payment for and determination of the amount of electric energy, Transmission Services and other related services supplied by Big Rivers and delivered to Kenergy for resale and delivery to Alcan. Big Rivers shall retain all documentation applicable to service to Kenergy under the Alcan Wholesale Agreement for a period of three years. Nothing in this Section 3.11 shall obligate Big Rivers to provide attorney-client privileged information.

3.12 Bylaw Amendments.

(a) Subject to Section 3.12(b) and (c), Big Rivers agrees not to amend its Bylaws after the adoption of the amendment set forth in Section 13.4 of the Alcan Wholesale Agreement in a manner that adversely affects the rights of Alcan to receive patronage capital or other distributions from Big Rivers through Kenergy without the prior consent of Alcan.


(b) Notwithstanding Section 3.12(a), nothing in this Section 3.12 shall restrict Big Rivers' ability to amend its Bylaws (i) without the consent of Alcan if Big Rivers gives notice to Alcan of the proposed Bylaw amendment, together with a copy of such proposed amendment, and Alcan does not object to the proposed amendment within 60 days after the notice is delivered, (ii) with the consent of Alcan during the Consent Period (as defined in Section 3.12(c)), or (iii) without the consent of Alcan following the Consent Period.

(c) The provisions of this Section 3.12 (and the obligations of the parties to notify the other Party of any change in its address pursuant to Section 7.4 hereof) shall survive for 10 years after the end of the Service Period (the "Consent Period") regardless of the termination or expiration of this Agreement.

3.13 Operation of System. Big Rivers shall operate its electric generation and transmission system for the mutual benefit of the Members and patrons consistent with Prudent Utility Practices, and will apply the same standards to operating decisions that may affect the Monthly Charge. Big Rivers will not use the payment obligation of Alcan under Section 4.7 (TIER Adjustment Charge) of the Alcan Retail Agreement as the substantive basis for making an operating decision.

3.14 Property Rights.

(a) Big Rivers' nonpatronage net earnings, after offset (if applicable) by any available tax loss carryforward amounts attributable to a c e net

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earnings from prior taxable years, shall, if positive, be retained by Big Rivers as a permanent source of equity and, if negative, shall be carried forward to be applied as an offset against future positive nonpatronage net earnings.

(b) Upon liquidation, the assets of Big Rivers shall be distributed in the following order: (i) all debts and obligations of Big Rivers shall be paid in accordance with lawful priorities, (ii) each Member's or other patron's capital account balance shall be paid without priority on a *pro rata* basis until all such capital accounts (as determined subsequent to adjusting such accounts by allocations of patronage net earnings for the year of liquidation exclusive of any gain arising from the liquidation) have been reduced to zero, and (iii) any remaining assets of Big Rivers shall be paid to the current and former Members or other patrons of Big Rivers based upon the amount of their historic patronage with Big Rivers measured by kilowatt-hours purchased from Big Rivers over the life of Big Rivers. The life of Big Rivers is defined to begin at the date Big Rivers was formed in 1961 and to continue uninterrupted through Big Rivers' bankruptcy reorganization to the date of liquidation.

(c) The provisions of this Section 3.14 shall survive the expiration or earlier termination of this Agreement.

3.15 Big Rivers Capitalization Policy. To the extent consistent with Accounting Principles, Applicable Law and guidance of applicable Governmental Authorities or RUS, Big Rivers shall capitalize expenditures for the replacement of the items related to Big Rivers' generation facilities identified in the list of the retirement units set forth in the Schedule 3.15.

3.16 Purchased Power Regulatory Account. Big Rivers will request KPSC to and, if the KPSC approves, shall (a) establish a regulatory account containing purchased power costs to be recovered by Big Rivers from the Members with respect to sales to their Non-Smelter Ratepayers in an amount equal to the sum of the Non-FAC Purchased Power Adjustment Factor in each month multiplied by the amount of Energy delivered in each month to the Members for such sales; and (b) establish the method of recovery of such amounts from Non-Smelter Ratepayers at each general rate adjustment case.

3.17 Model. It is understood and agreed that (i) all financial and production cost models ("Model") including the Model filed with the KPSC in connection with the application for approval of the Unwind Transaction and the New Transaction have been developed solely by Big Rivers to provide its best estimate of the future operations of Big Rivers after the Unwind Transaction is consummated, and (ii) Alcan by executing this Agreement and consummating the Unwind Transaction is not indicating its agreement or disagreement with the forecasted work plans, assumptions or specific expenditures embedded in the Model.

#### 4. Coordinating Committee.

4.1 The parties have agreed to the establishment of a committee ("Coordinating Committee"), consisting of representatives of the Members' chief executive officers, Alcan, Century, and Big Rivers management, organized for the purpose of reviewing,

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analyzing and discussing information relating to Big Rivers' operational and financial performance. The Coordinating Committee shall meet at least once each calendar quarter.

4.2 If the Coordinating Committee does not exist or does not function with the subject matter of this Section 4, then Big Rivers shall have the same obligations as to the Smelters, jointly.

4.3 At a minimum of once a year and at such other times as the Parties may agree, the members of the Coordinating Committee will establish a meeting with Big Rivers' board members. These meetings will be informal and the purpose of such meetings will be to discuss Big Rivers' operating and financial performances and plans, and issues affecting the electric utility and smelting industry operations.


4.4 The information to be discussed by the Coordinating Committee shall include (i) analysis criteria and procedures for evaluating plans, procedures, expenditures and maintenance programs, (ii) budgets, (iii) operations and capital expenditures, (iv) fuel procurement or supply, (v) comparison of actual performance to the Budget and an explanation of variances to the Budget, (vi) load forecasts and integrated resource plans, (vii) depreciation studies, proposed changes in depreciation rates and associated proposed changes in electric rates, and (viii) other activities, such as the timing and terms of refinancing the RUS debt or whether to join an independent transmission system operator, that may impact Big Rivers' operational and financial performance. Big Rivers shall provide the Coordinating Committee members any reasonably requested supporting information relating to the items discussed.

4.5 The activities of the Coordinating Committee shall be a standing report item on the agenda of the monthly meeting of the Big Rivers Board of Directors. From time to time Alcan's representatives may make a request to the chairman of the Big Rivers Board of Directors that they be allowed to participate with management in making such report.

## 5. Cure Rights.

5.1 Notwithstanding any provision contained in the Alcan Retail Agreement that affords Alcan the right to terminate the Alcan Retail Agreement upon any breach or default by Kenergy thereunder, Alcan shall provide Big Rivers a reasonable opportunity, exercisable in Big Rivers' sole discretion, to cure any such breach or default by Kenergy prior to exercising such termination rights, which opportunity shall extend, at a minimum, for a period of not less than 10 Business Days after the later of (i) the date of expiration of the applicable period of time (if any) available for a cure by Kenergy under the Alcan Retail Agreement, and (ii) the date on which notice of the breach or default by Kenergy is delivered by Alcan to Big Rivers. Alcan hereby consents to any attempt by Big Rivers to cure any breaches or defaults by Alcan under the Alcan Retail Agreement that may hereafter occur, provided, that Big Rivers does not materially interfere with Alcan's attempts (if any) to so cure such breaches or defaults.

5.2 Notwithstanding any provision contained in the Alcan Wholesale Agreement that affords Big Rivers the right to terminate the Alcan Wholesale Agreement upon any breach or default by Kenergy thereunder, Big Rivers shall provide Alcan a reasonable opportunity, exercisable in Alcan's sole discretion, to cure any such breach or default by

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Kenergy prior to exercising such termination rights, which opportunity shall extend, at a minimum, for a period of not less than ten Business Days after the later of (i) the date of expiration of the applicable period of time (if any) available for a cure by Kenergy under the Alcan Wholesale Agreement, and (ii) the date on which notice of the breach or default by Kenergy is delivered by Big Rivers to Alcan. Big Rivers hereby consents to any attempt by Alcan to cure any breaches or defaults by Big Rivers under the Alcan Wholesale Agreement that may hereafter occur, provided, that Alcan does not materially interfere with Big Rivers' attempts (if any) to so cure such breaches or defaults.

6. Representations and Warranties.

6.1 Big Rivers. Big Rivers hereby represents and warrants to Alcan as follows:


(a) Big Rivers is an electric generation and transmission cooperative corporation duly organized and validly existing and in good standing under the laws of the Commonwealth of Kentucky, and has the power and authority to execute and deliver this Agreement and the Alcan Wholesale Agreement, to perform its obligations hereunder and thereunder, and to carry on its business as it is now being conducted and as it is contemplated hereunder to be conducted during the term hereof.

(b) Subject to Section 6.1(c), this Agreement, the Alcan Wholesale Agreement and other agreements entered into by Big Rivers in connection therewith constitute Big Rivers' valid and binding obligation enforceable against it in accordance with their terms, except as enforceability may be affected by bankruptcy, insolvency or other similar laws affecting creditors' rights generally and by general equitable principles. The execution, delivery and performance of this Agreement and the Alcan Wholesale Agreement by Big Rivers have been duly and effectively authorized by all requisite corporate action.

(c) As of the Effective Date, all consents, approvals, authorizations, actions or orders, including without limitation, those which must be obtained from Governmental Authorities and the RUS, required for its authorization, execution and delivery of, and for the consummation of the transactions contemplated by, this Agreement and the Alcan Wholesale Agreement have been obtained other than as may be required under Applicable Law to be obtained, given, accomplished or renewed at any time or from time to time, and which are routine in nature or which cannot be obtained, or are not normally applied for, prior to the time they are required and which Big Rivers has no reason to believe will not be timely obtained.

(d) Subject to Section 6.1(c), its execution and delivery of this Agreement and the Alcan Wholesale Agreement, its consummation of the transactions contemplated by this Agreement and the Alcan Wholesale Agreement, and its fulfillment of and compliance with the terms and provisions hereof and thereof do not conflict with or violate any judicial or administrative order, award, judgment or decree applicable to it or conflict with any of the terms, conditions or provisions of its Articles of Incorporation or Bylaws or any material instrument, mortgage, agreement, contract or restriction to which it is a party, or by which any of its properties are bound, or require the approval, consent or authorization of any federal, state or local court, or any of its creditors, or of any other Person, or give any party with rights under any

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such instrument, agreement, contract, mortgage, judgment, award, order or other restriction the right to terminate, modify or otherwise change its rights or obligations thereunder which has not been obtained.

6.2 Alcan. Alcan hereby represents and warrants to Big Rivers as follows:

(a) Alcan is a corporation duly organized and validly existing and in good standing under the laws of the State of Texas, is authorized to do business in the Commonwealth of Kentucky, and has the power and authority to execute and deliver this Agreement, to perform its obligations hereunder, and to carry on its business as it is now being conducted and as it is contemplated hereunder to be conducted during the term hereof.

(b) This Agreement, the Alcan Retail Agreement and other agreements entered into by Alcan in connection therewith constitute Alcan's valid and binding obligation enforceable against it in accordance with their terms, except as enforceability may be affected by bankruptcy, insolvency or other similar laws affecting creditors' rights generally and by general equitable principles. The execution, delivery and performance of this Agreement and the Alcan Retail Agreement by Alcan have been duly and effectively authorized by all requisite corporate action.


(c) All consents, approvals, authorizations, actions or orders, including without limitation, those which must be obtained from governmental agencies or authorities, required for its authorization, execution and delivery of, and for the consummation of the transactions contemplated by, this Agreement and the Alcan Wholesale Agreement have been obtained.

(d) Its execution and delivery of this Agreement and the Alcan Retail Agreement, its consummation of the transactions contemplated by this Agreement and the Alcan Retail Agreement, and its fulfillment of and compliance with the terms and provisions hereof and thereof do not conflict with or violate any judicial or administrative order, award, judgment or decree applicable to it, or conflict with any of the terms, conditions or provisions of its Articles of Incorporation or Bylaws or any material instrument, mortgage, agreement, contract or restriction to which it is a party, or by which any of its properties are bound, or require the approval, consent or authorization of any federal, state or local court, or any of its creditors, or of any other Person, or give any party with rights under any such instrument, agreement, contract, mortgage, judgment, award, order or other restriction the right to terminate, modify or otherwise change its rights or obligations thereunder which has not been obtained.

7. Miscellaneous.

7.1 No Affect on Rights or Defenses. Nothing in this Agreement shall require performance by a Party of any of its obligations under the Alcan Retail Agreement or the Alcan Wholesale Agreement, as applicable, if it may assert, as a defense to its non-performance, any defenses or excuses to such performance that may be available to it under the provisions of the Alcan Retail Agreement or the Alcan Wholesale Agreement, or under Applicable Law.

7.2 Entire Agreement. This Agreement, the Alcan Retail Agreement, the Alcan Wholesale Agreement and the other agreements and documents referred to in Schedule 6.2.3

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of the Alcan Retail Agreement constitute the entire agreement of the Parties hereto with respect to the subject matter hereof and supersede all prior agreements, whether oral or written. This Agreement may be amended only by a written document signed by each of the Parties hereto. Each Party acknowledges that it has not relied upon any representations, statements or warranties of the other Party in executing this Agreement except for those representations and warranties expressly set forth in the foregoing documents.

7.3 Waiver. The waiver by either Party of any breach of any term, covenant or condition contained herein will not be deemed a waiver of any other term, covenant or condition, nor will it be deemed a waiver of an subsequent breach of the same or any other term, covenant or condition contained herein.

7.4 Notices. A notice, consent, approval or other communication under this Agreement must be delivered in writing, addressed to the Person to whom it is to be delivered, and must be (a) personally delivered to that Person's address (which will include delivery by a nationally recognized overnight courier service), or (b) transmitted by facsimile to that Person's address, with a duplicate notice sent by a nationally recognized overnight courier service to that Person's address. A notice given to a Person in accordance with this Section will be deemed to have been delivered (i) if personally delivered to a Person's address, on the day of delivery if such day is a Business Day, or otherwise on the next Business Day, or (ii) if transmitted by facsimile to a Person's facsimile number and a correct and complete transmission report is received, or receipt is confirmed by telephone, on the day of transmission if a Business Day, otherwise on the next Business Day; *provided, however*, that such facsimile transmission will be followed on the same day with the sending to such Person of a duplicate notice by a nationally recognized overnight courier to that Person's address. For the purpose of this Section, the address of a Party is the address set out below or such other address which that Party may from time to time deliver by notice to the other Party in accordance with this Section:

If to Big Rivers: Big Rivers Electric Corporation  
201 Third Street  
Henderson, Kentucky 42420  
Attn: President and CEO  
Fax: (270) 827-2558

If to Alcan: Plant Manager  
Sebree Smelter  
Alcan Primary Products Corporation  
9404 State Route 2096  
Robards, Kentucky 42452  
Fax: (270) 521-7341

With copy to: Director of Energy  
Rio Tinto Alcan  
1188 Sherbrooke Street West  
Montreal, Quebec H3A 3G2  
Canada  
Fax: (514) 848-1439

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7.5 Dispute Resolution. If a dispute arises between the Parties concerning the terms or conditions of this Agreement, the duties or obligations of the Parties under this Agreement, or the implementation, interpretation or breach of this Agreement, either Party may request in writing a meeting between an authorized representative of the other Party to discuss and attempt to reach a resolution of the dispute. Such meeting will take place within ten Business Days or such shorter or longer time as agreed upon by the Parties of the request. Nothing in this Section shall toll or extend the cure period with respect to the failure by a Party to perform its obligations under this Agreement. Absent such resolution, the Parties may pursue all rights and remedies that they may have at law, in equity or pursuant to this Agreement subject to the limitations set forth in this Agreement to resolve that dispute. Notwithstanding the provisions of this Section each Party may at all times seek injunctive relief, where its delay in doing so could result in irreparable injury.


7.6 Assignments and Transfers. No Party shall assign any of its rights or obligations under this Agreement, whether by operation of law or otherwise, without the prior written consent of the other Party, *provided, however,* that no prior consent shall be required with respect to an assignment to any person who is a permitted assignee of Alcan pursuant to the Alcan Retail Agreement or a permitted assignee of Big Rivers pursuant to the Alcan Wholesale Agreement. Either Party may, without the approval of the other Party, assign this Agreement as collateral security or grant one or more mortgages (including one or more deeds of trust or indentures) on or security interests in its interest under this Agreement in connection with the general financing of its assets or operations.

7.7 Governing Law. This Agreement shall be interpreted, governed by and construed under the laws of the Commonwealth of Kentucky, without regard to its conflicts of law rules.

7.8 Jurisdiction. The Parties hereby agree that the courts of the Commonwealth of Kentucky will have exclusive jurisdiction over each and every judicial action brought under or in relationship to this Agreement, *provided* that the subject matter of such dispute is not a matter reserved by law to the KPSC, or to the U.S. federal judicial system (in which event exclusive jurisdiction and venue will lie with the U.S. District Court for the Western District of Kentucky), and the Parties hereby agree to submit to the jurisdiction of Kentucky courts for such purpose. Venue in state court actions will be in the Henderson Circuit Court as the court in which venue will lie for the resolution of any related disputes under this Agreement. Nothing in this paragraph prohibits a Party from referring to FERC or any other Governmental Authority any matter properly within its jurisdiction.

7.9 Good Faith Efforts. The Parties agree that each will in good faith take all reasonable actions within their reasonable control as are necessary to permit the other Party to fulfill its obligations under this Agreement, the Alcan Wholesale Agreement and the Alcan Retail Agreement; *provided* that no Party will be obligated to expend money or incur material economic loss in order to facilitate performance by the other Party. Where the consent, agreement, or approval of either Party must be obtained hereunder, such consent, agreement or approval may not be unreasonably withheld, conditioned, or delayed unless otherwise provided herein. Where either Party is required or permitted to act or fail to act based upon its opinion or judgment, such opinion or judgment may not be unreasonably exercised to the

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other Party is required to be given herein, and no notice period is specified, reasonable notice shall be given.

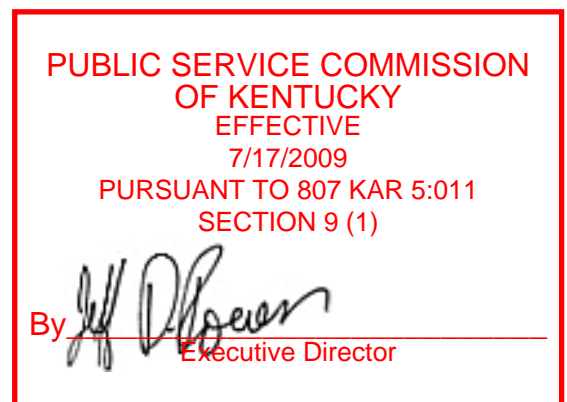
7.10 Successors and Assigns. This Agreement shall be binding upon, and shall inure to the benefit of and be enforceable by, the Parties and their respective successors and permitted assigns.

7.11 Headings. The headings contained in this Agreement are solely for convenience and do not constitute a part of the agreement between the Parties, nor should such headings be used to aid in any manner in the construction of this Agreement.

7.12 Third-Party Beneficiaries. Nothing in this Agreement may be construed to create any duty to, or standard of care with reference to, or any liability to, or any benefit for, any person not a Party to this Agreement.

7.13 Kenergy Obligations Separate. Nothing contained in this Agreement shall obligate Alcan or Big Rivers for any obligations or liabilities of Kenergy, whether under or pursuant to the Alcan Retail Agreement, the Alcan Wholesale Agreement or otherwise.

7.14 No Power Sales Commitment. The Parties acknowledge that Big Rivers and Kenergy intend to enter into the Alcan Wholesale Agreement and Alcan and Kenergy intend to enter into the Alcan Retail Agreement which agreements contain the terms and conditions setting forth the wholesale sale of power by Big Rivers and the purchase of such power by Kenergy, and the corresponding retail sale of such power by Kenergy and the purchase of such power by Alcan. Nothing contained in this Agreement shall be deemed to be or create an agreement or commitment of Big Rivers to sell to Alcan, or an agreement of Alcan to purchase from Big Rivers, any electric energy or related services.





IN WITNESS WHEREOF, this Agreement is hereby executed as of the day and year first above written.

BIG RIVERS ELECTRIC CORPORATION

By: Mark A. Bailey  
Name: Mark A. Bailey  
Title: President and CEO

ALCAN PRIMARY PRODUCTS CORPORATION

By: \_\_\_\_\_  
Name:  
Title:

[Alcan Coordination Agreement]

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By: [Signature]  
Executive Director

IN WITNESS WHEREOF, this Agreement is hereby executed as of the day and year first above written.

BIG RIVERS ELECTRIC CORPORATION

By:

\_\_\_\_\_  
Name:

Title:

ALCAN PRIMARY PRODUCTS CORPORATION

By:

\_\_\_\_\_  
Name:

Title: *GUY AOTHIER*  
*VICE PRESIDENT, PRIMARY METAL - QUEBEC*

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By

*[Signature]*

\_\_\_\_\_  
Executive Director

**Schedule 3.15**

(See following pages.)

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\*\* This Retirement Unit Listing is subject to change from time to time consistent with the Coordination Agreement. \*\*

### 310: Land and Land Rights

#### 310-001

001	LAND AND LAND RIGHTS
001	LAND FOR ASH POND
001	LAND R-O-W FOR POTABLE WATER LINE
001	LAND R-O-W COAL HAUL ROAD
001	LAND R-O-W, COAL SCALES & GUARDHOUSE

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**311: Structures and Improvements (Steam Production)**

**311-001**

**FOUNDATION**

001 CELL, BARGE UNLOADER, FOUNDATION  
001 CELL, UNLOADING FACILITY, FDN., BRIDGE  
001 EXCAVATION BUILDING, FORMWORK, REBAR, FOUNDATION  
001 FIRE PROTECTION, PUMP HOUSE FDNS  
001 FOUNDATION, CONCRETE SERVICE BUILDING  
001 FOUNDATION, FGD CONTROL BUILDING  
001 FOUNDATION, MAINTENANCE SHOP  
001 FOUNDATION, PERMANENT WAREHOUSE  
001 FOUNDATION, POTABLE WATER BUILDING  
001 FOUNDATION, POWER PLANT  
001 FOUNDATION, REID WAREHOUSE  
001 FOUNDATION, SERVICE BUILDING, SUPERSTRUCTURE  
001 FOUNDATION, SHELTER ON COAL HANDLING EQUIPMENT  
001 FOUNDATION, SOLID WASTE HANDLING BUILDING  
001 FOUNDATION, TOOL ROOM  
001 FOUNDATION, TURBINE BUILDING  
001 FOUNDATION, TURBINE BUILDING, SUPERSTRUCTURE  
001 FOUNDATION, WATER TREATMENT BUILDING  
001 FOUNDATIONS  
001 FOUNDATIONS, EARTHWORK, GENERAL PLANT SITE  
001 FOUNDATIONS, FLOOR DRAINS, TURBINE BUILDING  
001 FOUNDATIONS, FOR WATER PLANT BLDG, CONCRETE  
001 FOUNDATIONS, PROPANE TANKS  
001 RECORDS STORAGE WAREHOUSE, CONCRETE PLACEMENT  
001 RIP RAP, FILL, DEWATER  
001 SERVICE BUILDING-FOUNDATIONS  
001 TURBINE BUILDING FOUNDATIONS, CONCRETE, CAISSONS

**311-002**

**STRUCTURE**

002 BUILDING, CLARIFIER EQUIPMENT, GREEN 2  
002 BUILDING, COAL HANDLING EQUIP.  
002 BUILDING, COAL HANDLING, OFFICE,  
002 BUILDING, MAINTENANCE  
002 BUILDING, OIL STORAGE FLOOR  
002 BUILDING, SERVICE, THIRD FLOOR, MODIFICATION  
002 BUILDING, STEEL  
002 BUILDING, STORAGE/BOILER TUBE  
002 BUILDING, ELECTRICAL STORAGE  
002 BUILDING, WATER PLANT, W/ ELECTRICAL WIRING  
002 BUILDING, HEAVY EQUIPMENT, MAINT, COAL HANDLING  
002 BUILDING, TOOL ROOM WAREHOUSE  
002 CABLE, TELEPHONE  
002 CATWALK, STRUCTURE  
002 CIRCULATING WATER OUTFALL, CANAL, & ETC  
002 CLOSET, LIBRARY/STATIONERY  
002 COAL HANDLING SERVICE BUILDING-STRUCTURE  
002 CONTROL HOUSE, ELECTRICAL  
002 CONTROL HOUSE, UNLOADING  
002 CONTROL ROOM  
002 DOOR, ELECTRIC STEEL  
002 DOOR, OVERHEAD  
002 DOOR, STEEL SERVICE EQUIP, MACHINE SHOP  
002 DRAPERIES, FIRST FLOOR, WILSON STATION  
002 FLOOR, CONCRETE, WELDED WIRE  
002 FLOOR, MEZZANINE, W/ ACCES STAIRWAY, TOOL ROOM  
002 GRATING, GALVANIZED, CENTRAL STEEL & WIRE  
002 GUARDHOUSE  
002 INSULATION  
002 LUNCH & LOCKER ROOM  
002 MAINT. SUPV. OFFICE

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- 002 OFFICE
- 002 PANAMA HOIST HOUSE BUILDING
- 002 PANAMA SERVICE BUILDING
- 002 PERMANENT WAREHOUSE
- 002 RAILROAD, SERVICE
- 002 RECORDS STORAGE WAREHOUSE, PREFAB BUILDING
- 002 SERVICE BUILDING
- 002 STORAGE ROOMS
- 002 STRUCTURES & PLATFORMS, STEEL ACCESS
- 002 TOOL ROOM ANNEX
- 002 TURBINE BUILDING
- 002 WALL, COAL HANDLING RETAINER
- 002 WALL, CONCRETE, RETAIN COAL PILE
- 002 WALL, FIRE
- 002 WALL, RETAINING @ RECLAIM TUNNEL
- 002 WAREHOUSE STRUCTURE
- 002 WAREHOUSE UNLOADING RAMP & STORAGE PADS
- 002 WATER TREATMENT BUILDING

**311-003  
ROOF**

**311-004**

**HVAC-AIR CONDITIONING SYSTEM (CENTRAL UNITS ONLY)**

- 004 AIR CONDITIONER
- 004 AIR HANDLER
- 004 CONDENSER
- 004 CONTROL SYSTEM
- 004 DUCT WORK
- 004 FAN
- 004 FAN, MOTOR
- 004 FILTER
- 004 LOUVERS
- 004 VENTS

**311-006**

**ELEVATOR, CRANE, HOIST, ETC.**

- 006 ELEVATOR, BOILER BUILDING
- 006 ELEVATOR, PASSENGER
- 006 ELEVATOR, TRAC, SERVICE BUILDING
- 006 LIFT, VERTICAL MATERIAL

**311-007**

**HVAC-FAN, VENTILATING**


- 007 AIR HANDLER
- 007 CONTROL SYSTEM
- 007 DUCT WORK
- 007 FAN
- 007 FAN, MOTOR
- 007 FILTER
- 007 LOUVERS

**311-009**

**FIRE PROTECTION SYSTEM**

- 009 CABINET, FIRE HOSE
- 009 CONTROL CABINET, FIRE PROTECTION
- 009 CONVEYOR FLOOR FOAM EQUIPMENT
- 009 FIRE DETECTION SPRINKLER SYSTEM
- 009 FIRE DETECTOR
- 009 FIRE HYDRANT
- 009 FIRE HYDRANT ENCLOSER
- 009 FIRE PROTECTION
- 009 FIRE PUMP
- 009 FIRE PUMP CONTROLLER
- 009 FIRE PUMP, DIESEL ENGINE

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**311: Structures and Improvements (Steam Production)**

- 009 LIGHTNING PROTECTION SYSTEM
- 009 MOTOR, FIRE PUMP
- 009 PIPE SYSTEM, DRY, FOR CRUSHER HOUSE
- 009 PIPING SYSTEM, UNDERGROUND YARD FIRE PROTECTION
- 009 REEL, SWINGING HOSE WITH CLAMP
- 009 TANK, FIRE WATER STORAGE

**311-010**

**FIXTURES, LIGHTING**

- 010 LAMP, MERCURY
- 010 LIGHTING
- 010 LIGHTING, POWER DISTRIBUTION LINE
- 010 SODIUM LIGHTING, HIGH PRESSURE

**311-011**

**HVAC-FURNACE OR BOILER**

- 011 AIR HANDLER
- 011 CONTROL SYSTEM
- 011 HEATING SYSTEM

**311-013**

**HVAC-HEAT PUMP OR HEATER**

- 013 AIR HANDLER
- 013 CONDENSER
- 013 CONTROL SYSTEM
- 013 EVAPORATOR
- 013 FILTER
- 013 HEATING SYSTEM

**311-014**

**HOUSE LIGHTING OR POWER BOARD**

- 014 LIGHTING
- 014 PANEL, UTILITY

**311-017**

**REFRIGERATION SYSTEM**

- 017 REFRIGERANT, TOOL

**311-018**

**HVAC-SPACE HEATER**

- 018 HEATER
- 018 HEATER, SPACE

**311-023**

**WATER HEATER, DOMESTIC**


- 023 WATER HEATER

**311-024**

**MISCELLANEOUS MINOR STRUCTURE**

- 024 AIR LINE PIPING EXTENSION TO SANDBLASTING UNIT
- 024 CAGE, STORAGE, 3 SIDED, W/SLIDING GATE
- 024 CURTAINS, CLEAR, CONTROL ROOM WINDOW
- 024 DITCH, CONCRETE
- 024 ELECTRIC SERVICE SYSTEM ADDITION W/TRANSFORMER
- 024 FLOOR, CONCRETE
- 024 GAS LINE
- 024 GUARD HOUSE
- 024 GUARD RAIL
- 024 LOCKER, WALL
- 024 OUTFALL FLUME & DITCH
- 024 OUTFALL STRUCTURE
- 024 PIPE RACK & FITTING BINS
- 024 SERVICE WINDOW, VERTICAL SLIDING
- 024 SHOWER, FACILITIES
- 024 SIGN, ALUMINUM
- 024 SINK
- 024 SINK, CABINET

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**311: Structures and Improvements (Steam Production)**

024 STAIRWAY, INTAKE  
024 TANK, WATER STORAGE  
024 TOOL CRIB  
024 WELL, SEAL

**311-025**

**ANY PRINCIPAL ITEM OF EQUIPMENT**

025 BATHHOUSE EQUIPMENT  
025 DEHUMIDIFIER  
025 STORAGE RACKS

**311-026**

**BRIDGE OR TRESTLE**

026 BRIDGE (ACCESS) TO UNLOADER CELLS  
026 BRIDGE OVER PIPE SHELF  
026 RIP RAP

**311-028**

**CULVERT**

028 CULVERT

**311-029**

**DOCK**

029 UNLOADING DOCK  
029 WAREHOUSE, RAMP

**311-030**

**FENCE**

030 FENCE  
030 GATE, BARRIER, MAIN ENTRANCE & RADIO CONTROL

**311-031**

**FLAG POLE**

031 POLE, FLAG

**311-033**

**PARKING LOT**

033 PARKING LOT  
033 PAVING  
033 STEPS, GALVANIZED METAL

**311-034**

**RETAINING WALL OR DIKE**

034 DIKES, GENERAL PLANT SITE  
034 RETAINER WALL

**311-035**

**ROAD**

035 APRON, CONCRETE  
035 BLACKTOP  
035 BLACKTOP, SEALER  
035 ROAD

**311-036**

**SEWER**

036 FLOWMETER  
036 PIPING, SANITARY SEWER, PIPE & GRINDER PUMP  
036 SANITARY SEWERS  
036 SEWAGE LIFT STATION  
036 SEWER SYSTEM

**311-038**

**TREATING PLANT**


038 BUILDING, SEWAGE TREATMENT PLANT  
038 SEWAGE TREATMENT PLANT

**311-040**

**WELL**

040 WELL, INSTALLATION & DRILLING SERV, OIL CLEANUP

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**311: Structures and Improvements (Steam Production)**

**311-041**

**YARD DRAINAGE SYSTEM**

- 041 DISCHARGE BASIN
- 041 DRAINAGE, COAL HDLG SERVICE BLDG
- 041 DRAINAGE, DITCH
- 041 DRAINAGE, LINE
- 041 DRAINAGE, SYSTEM
- 041 OIL TRENCHES W/GRAVEL BED & DRAINAGE LATERALS
- 041 PANEL, SITE DRAINAGE CONTROL
- 041 PUMP, VERTICAL, SITE DRAINAGE

**311-042**

**YARD LIGHTING SYSTEM**

- 042 LIGHTING, YARD
- 042 LIGHTING, PARKING LOT AND SIDEWALK

**311-043**

**FUEL OIL DIKE**

- 043 OIL SPILL RECOVERY UNIT
- 043 UNLOADING PAD, FUEL TRUCK

**311-045**

**ROCK SURFACE AND RIP RAP**

- 045 RIP RAP, RIVER BANK

**311-047**

**HOLDING PONDS**

- 047 PIPE, DRAINAGE CULVERT DREDGE POND
- 047 PONDS

**311-048**

**PAVEMENT**

- 048 PAVING, SIDEWALK

**311-051**

**AMBIENT AIR MONITORING SYSTEM**


- 051 AMBIENT AIR MONITORING BUILDING
- 051 FENCE, AMBIENT AIR MONITORING SYSTEM
- 051 GRAVEL & CULVERTS, AMBIENT AIR MONITORING SYSTEM
- 051 TRAILER, STRUCTURE, AMBIENT AIR MONITORING SYSTEM

**311-052**

**POTABLE WATER SYSTEM**

- 052 FLOWMETER
- 052 FOUNTAIN, DRINKING
- 052 FOUNTAIN, WASH
- 052 LINE, WATER, SAFETY SHOWER, WATER PLANT
- 052 POTABLE WATER BOOSTER SYSTEM
- 052 POTABLE WATER LINE
- 052 POTABLE WATER PLANT FILTER UNIT BYPASS LOOPS
- 052 POTABLE WATER SYSTEM
- 052 TANK, HYDROPNEUMATIC WATER STORAGE
- 052 TANK, POTABLE STORAGE

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### 312: Boiler Plant Equipment (Steam Production)

#### 312-A01

##### STEAM BOILER

A01 BOILER DRUM, W/ACCESSORIES  
A01 BOILER, AUX EQUIPMENT  
A01 BOILER, TUBE CASTINGS, CASING RINGS  
A01 CHILLER SYSTEM, BOILER  
A01 COMBUSTION CONTROLS  
A01 FAN, PENTHOUSE VENT  
A01 FIRE DETECTION, AIR PREHEATER  
A01 HOIST, BOILER BLDG  
A01 MONITOR, DRUM  
A01 PUMP, BOILER  
A01 TANK, BLOWDOWN  
A01 VALVE, TANK SAFETY

#### 312-A02

##### STEAM BOILER FOUNDATION & SUPPORTING STRUCTURES

A02 BOILER ENCLOSURE  
A02 BOILER, FOUNDATION  
A02 BOILER, SUPPORTING STEEL, W/PLATFORMS & WALKWAYS  
A02 BUILDING, BOILER, STEEL  
A02 FOUNDATION, BOILER AND FURNACE  
A02 FOUNDATION, BOILER FEED PUMP  
A02 FOUNDATION, CONCRETE, DRAFT BREECHING SYS  
A02 FOUNDATION, CONCRETE, DRAFT CHIMNEY STACK  
A02 FOUNDATION, CONCRETE, LIME SILO EQUIPMENT  
A02 FOUNDATION, CONCRETE, PRECIPITATOR  
A02 FOUNDATION, CONCRETE, PRIMARY AIR SYSTEM  
A02 FOUNDATION, CONCRETE, SOLID WASTE HANDLING  
A02 FOUNDATION, ID FANS  
A02 ROOF, BOILER, STEEL BLDG, DECKING

#### 312-A03

##### FUEL BURNING EQUIPMENT FOR ONE BOILER

A03 BURNER FLAME SCANNER SYSTEM  
A03 BURNER MANAGEMENT SAFETY SYSTEM  
A03 BURNERS, BOILER  
A03 BURNERS, LOW NOX  
A03 CABINET, BURNER CONTROL  
A03 CERAMIC LINER, BURNERS  
A03 CYCLONE SAMPLER & PROBE  
A03 FAN, BOILER  
A03 FUEL DELIVERY CONTROL  
A03 MONITOR, COAL FLOW  
A03 PUMP, FUEL OIL SUPPLY, W/METER & FDN

#### 312-A04

##### FURNACE

A04 FURNACE

#### 312-A05

##### FURNACE WALLS FOR ONE BOILER

A05 FURNACE WATER WALLS

#### 312-A06

##### REHEATER


A06 REHEAT DAMPER  
A06 REHEATER TUBES  
A06 VALVE, REHEAT SYSTEM

#### 312-A07

##### SETTING, BOILER

A07 BOILER, CASING  
A07 BOILER, SETTING  
A07 MEMBRANE, HIGH TEMP  
A07 THERMOWELLS

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A07 THERMOWELLS

**312-A08**

**SOOT BLOWER SYSTEM FOR ONE BOILER**

A08 PANEL, WIRING, POWER & CONTROL, SOOT BLOWER  
A08 SOOT BLOWER  
A08 SOOT BLOWER ELECTRIC EQUIPMENT CONTROLS  
A08 SOOT BLOWER PRESSURE INDICATORS  
A08 SOOT RETRACT TOOL  
A08 WATER BLOWER/DESLAGGER

**312-A09**

**SUPERHEATER**

A09 DESUPERHEATER  
A09 SUPERHEATER, PRIMARY  
A09 SUPERHEATER, SECONDARY  
A09 VALVE, SUPERHEAT SPRAY CHECK  
A09 VALVE, SUPERHEAT SPRAY ISOLATION

**312-B01**

**AIR DUCT SYSTEM**

B01 ADAPTER, SPINDLE, W/AIR MOTOR ASSEMBLY  
B01 AIR PRESSURE MANIFOLD ASSEMBLY W/BOX & SADDLE  
B01 BOX, WIND  
B01 DUCT, FLUE GAS BYPASS  
B01 ELECTRICAL DEVICES FOR PRIMARY AIR SYSTEM  
B01 FLUES, DUCTS, DAMPERS  
B01 RESTRICTING ORIFICES

**312-B02**

**AIR HEATER**

B02 AIR HEATER  
B02 AIR HEATER LINE, ISOLATION VALVE  
B02 AIR HEATER, STEAM COIL  
B02 CONTROLLER, AIR HEATER W/DRIVES  
B02 HEATER, AIR PREHEATER, FIRE DETECTION SYSTEM  
B02 VALVE, AUX STEAM REGULATOR ISOLATION

**312-B03**

**BREECHING SYSTEM**

B03 BREECHING SYSTEM

**312-B04**

**CINDER CATCHER**


B04 CINDER CATCHERS  
B04 CLINKER GRINDER  
B04 TANK, STORAGE TANK

**312-B05**

**FAN, DRAFT**

B05 BOOSTER FAN, BOILER SEAL AIR  
B05 FAN, BOILER DRAFT, AIR MONITOR  
B05 FAN, DIRECT DRIVE  
B05 FAN, EXHAUST, FGD BLDG  
B05 FAN, FLUID DRIVE  
B05 FAN, FORCED DRAFT  
B05 FAN, INDUCED DRAFT  
B05 FAN, PRIMARY AIR  
B05 FAN, SEAL AIR  
B05 FOUNDATION, BOOSTER FAN  
B05 FOUNDATION, CONCRETE, DIRECT DRIVE FANS  
B05 HEATER, ID FAN  
B05 HOIST, FORCED DRAFT FAN  
B05 HOIST, INDUCED DRAFT FAN ROTOR  
B05 HVAC, UNITS FOR DIRECT DRIVE FANS  
B05 IGNITOR, AIR FAN SYSTEM  
B05 MOTOR, FD FAN

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B05 SEAL AIR SYSTEM - BOILER  
B05 TOTALIZER SYSTEM, STATIC BOILER DRAFT, AIR MONITOR

#### 312-B06

#### STACK, WITH OR WITHOUT FOUNDATION

B06 CABLE/CONDUIT, OPACITY MONITOR  
B06 CHIMNEY STACK  
B06 ELEVATOR, CHIMNEY  
B06 FILTER DRUM, SW  
B06 HOIST, JIB, CHIMNEY  
B06 LADDER, CHIMNEY & PLATFORMS  
B06 LADDER, SAFETY CAGE  
B06 LINE, UMBILICAL, MULTITUBE BUNDLE  
B06 PLATFORM, STACK CEMENT  
B06 SHUTTER, W/TIME DELAY FOR OPACITY MONITOR  
B06 VENT, STACK EXT, COMBUST. AIR, STEAM COIL, DRAIN TANK  
B06 WINCH, STACK TEST PROBE HOIST

#### 312-B07

#### PRECIPITATOR, ELECTROSTATIC


B07 AC UNIT FOR PRECIPITATOR CONTROL ROOM  
B07 BOILER, PRECIPITATOR AREA, FINAL SITE WORK  
B07 CABINET, PRECIPITATOR CONTROL  
B07 CONTROL, FLYASH  
B07 DAMPER, LOUVER  
B07 FAN, AIR PURGE  
B07 FAN, SEAL AIR  
B07 GRATING, GALVANIZED  
B07 HOIST  
B07 HOPPER VIBRATORS  
B07 LINEAR REACTOR, PRECIPITATOR  
B07 LINING, BRICK  
B07 MOTOR, GUILLOTINE DAMPER, ACTUATORS  
B07 OUTLET NOZZLE, EXTERIOR LAG/INSULATION  
B07 OUTLET NOZZLE, INTERNAL BRICK LINING  
B07 PANEL, FLY ASH CONTROL  
B07 PANEL, PRECIPITATOR CONTROL  
B07 PLATFORM, PRECIPITATOR ACCESS  
B07 PRECIPITATOR  
B07 PRECIPITATOR CONTROL  
B07 PRECIPITATOR FIELD  
B07 PRECIPITATOR, ASH SILO PLATFORMS  
B07 PRECIPITATOR, CONTROL HOUSE  
B07 PRECIPITATOR, ENCLOSURE FOUNDATIONS  
B07 PRECIPITATOR, ROOF AND ACCESSORIES  
B07 PRECIPITATOR, STONE FILL  
B07 PRECIPITATOR, TRANSFORMER/RECTIFIER SET  
B07 PROTECTIVE COVERS ON PRECIPITATOR CONTROL PANELS  
B07 SUPPORTS, PRECIPITATOR  
B07 TRANSFORMER, PRECIPITATOR  
B07 TRANSFORMER, RECTIFIER  
B07 VACUUM PIPING, PRECIPITATOR HOPPERS

#### 312-B08

#### SOLID WASTE EQUIPMENT, FGD & SCRUBBER

B08 ACID STORAGE, FGD, DIBASIC, DBA, FEED FACILITY  
B08 ACTIVATOR, SW LIME SILO BIN  
B08 ADDITIVE FEED SYSTEM  
B08 AGITATOR & CONTROLS  
B08 AGITATOR, W/PLATFORMS LIME SYSTEM  
B08 AIR DRYER, DESSICANT & BYPASS SYSTEM @ IUS BLDG  
B08 AMMETER, DIGITAL  
B08 BATTERY, BACKUP, UPS  
B08 BELT CLEANER  
B08 BLOWER, CAKE DISCHARGE


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- B08 BREAKER, MAIN & TIE
- B08 BUILDING, FGD & SOLID WASTE
- B08 BUILDING, REAGENT LIME PREP
- B08 BUILDING, SWITCHGEAR, AUXILIARY
- B08 BUS WORK
- B08 BUS WORK FOUNDATION
- B08 CABLE, POWER AND CONTROL
- B08 CAKE BLOWER, W/CLOTH ROPE, SOLID WASTE
- B08 CEM/DA, A/C UNIT
- B08 CIRCUIT BREAKER, SLURRY CIRC PUMP
- B08 CLEANER, STEAM, HOT WATER, SOLID WASTE FILTER
- B08 COLLECTOR, LIME SILO DUST
- B08 COMPACTOR, VIBRATORY, SOLID WASTE
- B08 CONTROL SYSTEM, PH, LANDFILL RUNOFF POND
- B08 CONTROLS SYSTEM, SOLID WASTE PROCESSING
- B08 CONTROLLER, FGD
- B08 CONTROLLER, PROGRAMMABLE LOGIC
- B08 CONTROLS, FILTER DRUM VAT LEVEL MONITORING
- B08 CONVEYOR
- B08 CYCLONES
- B08 DAMPER, OUTLET
- B08 DAMPER, SCRUBBER MOD INLET LOUVER
- B08 DISTRIBUTION CONTROL SYSTEM
- B08 DUCT BANK
- B08 DUST COLLECTORS
- B08 ELECTRICAL POWER SUPPLY
- B08 ELEMENT, SW FLY ASH WEIGHT
- B08 ELEMENT, SW LIME WEIGH
- B08 FAN, VENTILATION, THICKENER TUNNEL
- B08 FEEDER, SW FLY ASH
- B08 FEEDER, SW LIME, VIBRA SCREW
- B08 FGD & FLY ASH CONTROL SYSTEM
- B08 FGD & SOLID WASTE PLATFORMS
- B08 FGD OUTLET GUILLOTINE ISOLATION DAMPER
- B08 FGD, CONTROL / POWER CABLE
- B08 FGD, CONTROL PANELS & TRAY SUPPORTS
- B08 FGD, HEAT TRACING
- B08 FGD, HEATERS
- B08 FGD, HVAC FOR CONTROL ROOM
- B08 FGD, INLET DUCT
- B08 FGD, INSTRUMENTS
- B08 FGD, LIGHTING FIXTURES
- B08 FGD, LIME HANDLING SYSTEM
- B08 FGD, LIME SILO EQUIPMENT
- B08 FGD, MOTOR CONTROL CENTER
- B08 FGD, PH ANALYZERS, SENSORS, PROTECTORS
- B08 FGD, PIPING
- B08 FGD, PUMP BUILDING, ENCLOSURE
- B08 FGD, REACTION TANK EQUIPMENT
- B08 FGD, SPRAY TOWER EQUIPMENT
- B08 FGD, THICKENER EQUIPMENT
- B08 FGD, THICKENER TRANSFORMERS, FGD & SOLID WASTE
- B08 FILTER, DRUM
- B08 FILTER, SEAL WATER
- B08 FILTERS, VACUUM PUMPS, RECEIVER, SW
- B08 FILTRATE SYSTEM POWER DISTRIBUTION
- B08 FIRE PROTECTION SYSTEM
- B08 FLOW METER, MAGNETIC, SLURRY SYSTEM
- B08 FLOWMETER, SCRUBBER
- B08 FLY ASH, FEEDER CONTROL
- B08 FLYASH, IUCS, SILO VACUUM LINES
- B08 FOUNDATION, FGD, SW, MISC.
- B08 FOUNDATION, FLOOR CRANE, SOLID WASTE HANDLING

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B08 GATE, FLY ASH SILO SLIDE  
B08 GATE, SLIDE, SOLID WASTE FLYASH  
B08 GATE, SW LIME SILO SLIDE  
B08 GRAVEL, YARD SURFACING  
B08 HEADERS, RECIRC  
B08 HEATER, CSI  
B08 HEATER, FGD ENVIR  
B08 HOIST, LIME SILO TOWER  
B08 LIME SILO EQUIPMENT - DESULFURIZATION  
B08 LIME, DRY, HANDLING SYSTEM  
B08 LIME, DRY, TANK W/JIB CRANE & ACTIVATOR  
B08 LIMESTONE HOPPER  
B08 LIMESTONE PARTICLE SIZE ANALYZER  
B08 LINING, BRICK  
B08 LINING, SCRUBBER MODULE  
B08 LINING, SCRUBBER OUTLET DUCT  
B08 METER, ELECTRICAL & INSTRUMENTATION  
B08 METER, SOLID WASTE  
B08 METER, WATTHOUR, SCRUBBER ALTERNATE POWER FEED  
B08 MIST ELIMINATOR, HOIST CRANE  
B08 MIXER, SOLID WASTE  
B08 MODEM, BOILER & FGD  
B08 MONORAIL, LIME SILO  
B08 MOTOR  
B08 MOTOR CONTROL CENTER  
B08 MOTOR, FGD & SOLID WASTE AGITATORS  
B08 MOTOR, FGD & SOLID WASTE PUMPS  
B08 OUTLET DUCT  
B08 OUTLET DUCT, PREKRETE LINER  
B08 PANEL, RELAY  
B08 PAYLOADER, SW DISPOSAL  
B08 PIPE, DRAINAGE, LANDFILL  
B08 PIPE SUPPORT, THICKENER OVERFLOW  
B08 PIPE, THICKENER OVERFLOW  
B08 PIPING FROM POND TO FILTRATE  
B08 PIPING SYSTEM, SOLID WASTE  
B08 PIPING, ADDITIVE SLURRY  
B08 PIPING, ASH POND MAKEUP WATER  
B08 PIPING, BLOWDOWN BLEED SLURRY  
B08 PIPING, FILTRATE WATER  
B08 PIPING, FLUIDIZER ASH SILOS  
B08 PIPING, INSTRUMENT AIR  
B08 PIPING, LIME SLURRY CROSSTIE  
B08 PIPING, RECYCLE SLURRY  
B08 PIPING, THICKENER RETURN WATER  
B08 PIPING, THICKENER UNDERFLOW  
B08 POND DIKE, SOLID WASTE  
B08 POND, COAL PILE RUN-OFF, SPILLWAY, OVERFLOW  
B08 POND, LANDFILL RUNOFF, WITH DIKE  
B08 POWER / CONTROL CABLE, SOLID WASTE  
B08 PROGRAMMABLE LOGIC CONTROLLER, THICKENER  
B08 PUMP, ME WASH  
B08 PUMP, RECYCLE  
B08 PUMP, SCRUBBER BLEED  
B08 RAKE DRIVE, THICKENER  
B08 REACTION TANK EQUIPMENT - DESULFURIZATION  
B08 RETAINING WALL, CONCRETE  
B08 RETURN LINE, THICKENER  
B08 RIP RAP, SCRUBBER DRAINAGE DITCH  
B08 ROAD, SOLID WASTE HAUL  
B08 SCRUBBER CONTROLS  
B08 SILOS, FGD & SOLID WASTE  
B08 SO2 ANALYZER

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B08 SOFTWARE, FGD  
B08 SOLID WASTE FILTRATE & SEAL WATER DRAINS  
B08 SOLID WASTE INSTRUMENT AIR  
B08 SOLID WASTE LIGHTING  
B08 SOLID WASTE PLATFORMS  
B08 SOLID WASTE POWER & CONTROL CABLES  
B08 SPRAY TOWER EQUIPMENT, DESULFURIZATION  
B08 STORAGE & FEED SYSTEM, BULK SULFUR  
B08 SUMP PUMP  
B08 SUPPORT STEEL, EQUIPMENT, SOLID WASTE TREATMENT & FGD  
B08 TANK, DEMISTER WASH  
B08 TANK, FGD & SW  
B08 TANK, SO<sub>2</sub>, DESULFURIZATION  
B08 THICKENER EQUIPMENT, DESULFURIZATION  
B08 TROLLEY, MANUAL  
B08 VALVE, FGD & SOLID WASTE  
B08 VALVE, FILTER DRUM  
B08 VALVE, MIST ELIMINATOR  
B08 VALVE, MODULE SLURRY FEED  
B08 VALVE, SCRUBBER  
B08 VALVE, THICKENER  
B08 VENTILATION SYSTEM, SLAKER TANK  
B08 VIDEO PROGRAMMING UNIT  
B08 WASH, HIGH PRESSURE, SCRUBBER  
B08 WEIGHT SCALES, FGD & SOLID WASTE  
B08 WELL, GROUNDWATER MONITORING

#### 312-C01

##### DEAERATOR ON FEED WATER SYSTEM

C01 CAGE, DEAERATOR REGULATOR  
C01 DEAERATOR & TANK  
C01 VALVE, DEAERATOR RELIEF

#### 312-C02

##### ECONOMIZER ON FEED WATER SYSTEM

C02 CHILLER SYSTEM, SAMPLE, W/ARTICILL SYSTEM  
C02 DAMPER, ECONOMIZER PASS  
C02 DAMPER, GAS INLET  
C02 ECONOMIZER  
C02 ECONOMIZER, VALVES  
C02 FEEDWATER, WATER AND STEAM SAMPLING SYSTEM  
C02 VIBRATOR, HOPPERS, ECONOMIZER  
C02 WATER SAMPLE, ANALYSIS PANEL

#### 312-C03

##### HEAT EXCHANGER ON FEED WATER SYSTEM

C03 HEAT EXCHANGER, PLATE

#### 312-C04

##### HEATER ON FEED WATER SYSTEM

C04 FEEDWATER HEATER  
C04 FEEDWATER, EXT DRAINS COOLER  
C04 HEATER, FEEDWATER BUNDLE ASSBLY  
C04 HEATER, LEVEL CONTROLS  
C04 VALVE, CHECK  
C04 VALVE, SHELL, SIDE RELIEF

#### 312-C05

##### MEASURING AND RECORDING DEVICE

C05 ANALYZER  
C05 ILLUMINATOR, DRUM LEVEL GAUGE GLASS  
C05 INTEGRATOR  
C05 METER, OXYGEN  
C05 MONITOR, FEEDWATER FLOW/DRUM LEVEL  
C05 PROBE, CONDUCTIVITY & METER  
C05 SOFTWARE, EDR AUDIT

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C05 TESTER  
C05 THERMOMETER, DIAL

#### 312-C06

##### PUMP, MAIN OR STAGE

C06 ACCUMULATOR, BFP TURBINE  
C06 BOILER FEED PUMP SYSTEM  
C06 BOILER FEED PUMP, SUCTION CONDENSATE INJECTION SYS  
C06 BOILER FEED, DISCHARGE SYSTEM, W/PIPING  
C06 FAN, BFP MOTOR COOLING  
C06 FEEDWATER, CHEMICAL SYSTEM  
C06 HOIST, BOILER FEED PUMP  
C06 HYDRAZINE FEED SYSTEM ON CONDENSATE/FEEDWATER SYST  
C06 MOTOR, PUMP  
C06 PUMP, BOILER FEED, BASE PLATES  
C06 PUMP, FEEDWATER SYSTEM  
C06 PUMP, SUBMERSIBLE  
C06 TRANSMITTER, LEVEL (OIL CONSOLE)  
C06 VALVE, FEEDWATER SYSTEM  
C06 VAPOR EXTRACTOR, W/MOTOR OIL CONSOLE

#### 312-C07

##### REGULATOR, FEED WATER

C07 FEEDWATER REGULATOR SYSTEM  
C07 NOZZLE, FEED FLOW

#### 312-C08

##### TANK

C08 TANK

#### 312-D01

##### COAL FUEL BIN OR BUNKER NOT IN STRUCTURES

D01 BUNKER, COAL, LINING  
D01 BUNKER, ISOLATION GATE  
D01 BUNKER, SLIDE GATE  
D01 COAL SILO, FOUNDATION  
D01 COAL SILO, STRUCTURE  
D01 DUST COLLECTION, SILO, COAL HANDLING  
D01 SURGE BINS-COAL HANDLING  
D01 SWITCH, BUNKER LEVEL

#### 312-D04

##### CAR DUMPER

D04 CAR POSITIONER, COAL UNLOADING SYSTEM  
D04 HOIST, CAR DUMPER  
D04 HOIST, CAR POSITIONER  
D04 MOTOR, CAR DUMPER  
D04 PUMP, SUMP, DUMPER PIT  
D04 REDUCER, CAR DUMPER  
D04 ROTARY CAR DUMPER FOR COAL UNLOADING SYSTEM

#### 312-D05

##### CHUTES OR SPOUTS, SYSTEM OF


D05 CHUTE, COAL  
D05 CHUTE, TELESCOPIC- COAL UNLOADING SYSTEM  
D05 HOIST, ELECTRIC, TELESCOPING CHUTE  
D05 MOTORIZED SPLITTER GATE-COAL HANDLING  
D05 REDUCER, VALVE, COAL  
D05 TRANSFER CHUTE  
D05 VIBRATOR

#### 312-D06

##### CONVEYOR, BELT, CABLEWAY - COAL EQUIPMENT

D06 AIR/VACUUM/WATER PIPING FOR CONVEYOR  
D06 BACKSTOP, CONVEYOR  
D06 BELT CLEANER  
D06 BELT FEEDER DRIVE REDUCER

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- D06 BELT FEEDER MOTOR BLOWER
- D06 BOILER, HORIZONTAL LINER
- D06 BUNKER GATE, CONVEYOR SYSTEM
- D06 CAMERA, CONVEYOR VIEWING
- D06 CATCH DRIP PAN, CONVEYOR
- D06 COAL HANDLING STACKER-RECLAIMER RUNWAY
- D06 COAL UNLOADING SYSTEM, COAL TRUCK
- D06 CONVEYOR DRIVE REDUCER
- D06 CONVEYOR, DUST COLLECTOR
- D06 COUPLING, BELT CONVEYOR
- D06 ENCLOSURE, WEATHER, D TO E TRANSFER TOWER
- D06 FLOP GATE, TRANSFER TOWER
- D06 FREEZE PROTECTION SYSTEM
- D06 FIRE SUPPRESSION SYSTEM, FUEL CONVEYOR
- D06 FUEL HANDLING CONTROL SYSTEM
- D06 HOPPER, FEEDER
- D06 HOPPER, GATE
- D06 HOPPER, RECLAIM
- D06 HOPPER, RECLAIM, SUMP
- D06 HOPPER, TRUCK
- D06 HOPPER, TUNNEL
- D06 LIGHTING, COAL CONVEYOR, FIXTURES
- D06 LOAD ZONE, CONVEYOR
- D06 MOTOR, BELT CONVEYOR
- D06 PLOW, BELT
- D06 PUMP, CONVEYOR ELECTRIC / HYDRAULIC
- D06 PUMP, SUMP, RECLAIM PIT
- D06 REDUCER, TRIPPER FLOOR
- D06 REDUCER, TRIPPER FLOOR, CONE DRIVE
- D06 ROOF, TRIPPER ROOM
- D06 SPEED DRIVE, VARIABLE
- D06 STACK OUT, UNLOADING SYSTEM
- D06 STACKER, RECLAIMER, CONVEYOR
- D06 TRIPPER BUILDING
- D06 TRIPPER, COAL
- D06 TUNNEL, RECLAIM

**312-D07**

**CRANE - COAL EQUIPMENT**

- D07 BARGE UNLOADER WASHDOWN SYSTEM PIPING
- D07 BARGE UNLOADING TROLLEY
- D07 CRANE, BARGE UNLOADING SYSTEM
- D07 DEFLECTOR FOR COAL, BARGE
- D07 FLOW GATE, BARGE UNLOADER
- D07 HOIST, BARGE UNLOADING SYSTEM
- D07 HOPPER, BARGE UNLOADING
- D07 RADIO
- D07 REMOTE CONTROLLER, BARGE HAUL SYSTEM
- D07 TROLLEY DRIVE BRAKE
- D07 TROLLEY DRIVE REDUCER
- D07 VIBRATOR, BIN, BARGE UNLOADING SYSTEM
- D07 WALKWAY, COAL BARGE UNLOADER

**312-D08**

**CRUSHER - COAL EQUIPMENT**

- D08 AIR LINE
- D08 BIN, SURGE, SUPPORT STEEL, COAL CRUSHER
- D08 CHUTES AND FLOP GATES FOR COAL CRUSHER
- D08 COAL CRUSHER TOWER, COAL HANDLING
- D08 CONVEYOR, WALL & DRAINAGE
- D08 CRUSHER HOUSE
- D08 CRUSHER HOUSE ROOF
- D08 CRUSHER, COAL
- D08 CRUSHER, COAL BYPASS GRID

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- D08 DUST COLLECTION SYSTEM AT CRUSHER BUILDING
- D08 FEEDER, VIBRATING, COAL CRUSHER EQUIPMENT
- D08 FLOP GATE, CRUSHER HOUSE
- D08 GATE, SLIDE, CRUSHER HOUSE
- D08 HOIST, CRUSHER TOWER
- D08 WASHDOWN SYSTEM /COAL CRUSHER EQUIP
- D08 WETTING SYSTEM, BARGE UNLOADER/CRUSHER TOWER

**312-D09**

**DUST COLLECTING UNIT - COAL EQUIPMENT**

- D09 AIR CURTAIN
- D09 BRUSH CLEANER W/MOTOR, CONVEYOR COMPONENTS
- D09 COAL DUST SUPPRESSION SYSTEM
- D09 DRIVE MOTOR REDUCER
- D09 DUST COLLECTION, COAL HANDLING
- D09 DUST COLLECTOR, SILO, TRIPPER SYSTEM
- D09 FEEDER DRIVE
- D09 FREQUENCY DRIVE CONTROL
- D09 MOTOR, AIR CURTAIN FAN
- D09 TRUCK HOPPER, VENT FAN
- D09 VACUUM TUBING SYSTEM

**312-D10**

**ELECTRIC TROLLEY OR THIRD RAIL SYSTEM**

- D10 BARGE SHIFTING CABLE HOIST
- D10 BRAKE, CLOSE DRIVE
- D10 HOIST, BARGE UNLOADING SYSTEM, CABLE SHIFTING
- D10 HOLD DRIVE BRAKE
- D10 HOLD DRIVE MOTOR
- D10 HOLD GEAR BOX, BARGE UNLOADER
- D10 MOTOR BRAKE, BARGE HAUL
- D10 REDUCER, BARGE HAUL
- D10 WINCH, BARGE HAUL SYSTEM

**312-D11**

**ELEVATOR - COAL EQUIPMENT**

**312-D12**

**GATES, CHUTES, HOPPERS, FOR ONE BOILER**

- D12 BARGE UNLOADER, HOPPER HEATER
- D12 BARGE HAUL SYSTEM
- D12 GATE ACTUATOR, TRIPPER TOWER
- D12 GATES, HYDRAULIC SLIDE
- D12 HOPPER & CHUTE, COLLECTING
- D12 HOPPERS, FEED CONE

**312-D13**

**HOIST - COAL EQUIPMENT**

- D13 CRANE, COAL HANDLING SERVICE
- D13 CRANE, JIB, SWING BRAKE
- D13 CRANE, JIB, SWING REDUCER
- D13 CRANE, JIB, TROLLEY MOTOR
- D13 HOIST, HOPPER
- D13 HOIST, JIB CRANE
- D13 HOIST, TOWER
- D13 REEVING WINCH BRAKE

**312-D18**

**SCREENING OR SIZING INSTALLATION**

**312-D19**

**SEPARATOR, MAGNETIC**

- D19 MAGNET SHED
- D19 SEPARATOR, MAGNETIC

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## 312: Boiler Plant Equipment (Steam Production)

### 312-D20

#### STRUCTURE, FUEL HANDLING

D20 BARGE UNLOADER CONVEYOR & TRANSFER TOWER FOUNDATIONS  
D20 BARGE UNLOADER SYSTEM-STRUCTURE, ROOF, DOORS  
D20 CELL, DOCK, BARGE UNLOADER PILINGs, FILL, CABLE  
D20 CIRCUIT BREAKER, AIR, COAL PILE DRAINAGE  
D20 COAL PILE BASE, COAL STORAGE AREA  
D20 COAL PILE DRAINAGE  
D20 COAL PILE EXTENSION & DRAINAGE  
D20 COAL PILE RUN-OFF SUMP PUMP  
D20 COAL SILO BAY BUILDING (PAINTING)  
D20 COAL SILOS  
D20 COAL YARD DRAINAGE BASIN  
D20 CONVEYOR BELT FOUNDATION & LADDER PADS  
D20 CULVERT, COAL STORAGE AREA  
D20 DIKE, SETTLING BASIN  
D20 DISCHARGE PIPELINE, COAL PILE DRAINAGE  
D20 DUST SUPPRESSION SYSTEM, WASTE HAUL ROAD  
D20 FENCE AT COAL HANDLING  
D20 FLOATING PUMP STRUCTURE W/PIPING  
D20 FOUNDATIONS, CAISSONS, STACKER-RECLAIMER  
D20 FOUNDATIONS, COAL ELECTRICAL EQUIPMENT HOUSE  
D20 FOUNDATIONS, COAL RECLAIM CONCRETE EQUIPMENT  
D20 FOUNDATIONS, COAL TRANSFER TOWER  
D20 FOUNDATIONS, COAL UNLOADING STACK-OUT CONVEYOR  
D20 FOUNDATIONS, CONTROL HOUSE BUILDING STEEL  
D20 FOUNDATIONS, FUEL OIL TANKS  
D20 FOUNDATIONS, TRANSFER TOWER CHUTES & FLOP GATES  
D20 GRAVEL & SAND, COAL DUST SUPPRESSION SYSTEM  
D20 LIGHTING, FGD  
D20 PARTITION WALL & FAN/DUST CONTROL IN DUMPER ROOM  
D20 POND, DEWATER  
D20 POND, EMERGENCY SLURRY  
D20 POND, SETTLING, PUMP STRUCTURE, COAL HDLG  
D20 SPILL CONTAINMENT  
D20 SPILLWAY, CONCRETE, COAL PILE RUN-OFF DITCH  
D20 STRUCTURE, TRANSFER  
D20 SUPPORT STRUCTURE FOR CONVEYOR  
D20 SUPPORT, CRUSHER TOWER  
D20 SUPPORTING FOUNDATIONS FOR COAL PILE DRAINAGE  
D20 TOWER, COAL TRANSFER, AREA-EXCAVATION, DITCHES, DIKES  
D20 TOWER, COAL TRANSFER, AREA-SITE PREP, EXCAVATE SPUR  
D20 TRAILER, W/TOWER  
D20 VALVE, CHECK, COAL PILE DRAINAGE

### 312-D21

#### COAL HANDLING SCALES


D21 ADAPTER/A  
D21 BELT SCALE, CONVEYOR  
D21 BUFFER, BLACK BOX, FOR COAL SCALES  
D21 COMPUTER COAL SCALES  
D21 INDICATOR, SCALE  
D21 OPERATING SYSTEM  
D21 SCALE PIT  
D21 TRUCK SCALE

### 312-D22

#### TRACK SYSTEM

D22 CAMERA, MONITORING CAR DUMPER  
D22 CONTROL SYSTEM, REMOTE SIDE RAIL CAR DUMPING  
D22 LOCOMOTIVE REMOTE CONTROL  
D22 LOCOMOTIVE, SWITCHER  
D22 MOTOR, TRAIN POSITIONER  
D22 RAILCAR, FLATBED

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D22 RAILCAR, GONDOLA  
D22 RAILCAR, ROTARY DUMP  
D22 RAILROAD TRACK-TIES, ROAD CROSSING, TRACKS, BALLASTS

**312-D23**

**TRACTOR (BULLDOZER)**

D23 DOZER  
D23 DOZER BLADE  
D23 EXCAVATOR  
D23 HVAC, A/C, DOZER  
D23 LOADER, CASE  
D23 LOGFORK W/COUNTERWEIGHTS  
D23 MOLD BOARD FOR TRACTOR  
D23 PAYLOADER  
D23 TANK, COAL HANDLING, SKID MOUNTED TANK  
D23 TRACTOR

**312-D24**

**TRESTLE**

D24 COAL HANDLING BRIDGE AND ABUTMENTS  
D24 HIGHWAY SPUR

**312-D25**

**COAL HANDLING MARINE EQUIPMENT**


D25 BOAT, JON  
D25 MOTOR  
D25 TRAILER

**312-D26**

**COAL HANDLING ELECTRICAL EQUIPMENT**

D26 BARGE HAULAGE SYSTEM ELECTRICAL EQUIPMENT  
D26 BARGE UNLOADER AC STATIC CONTROL  
D26 BARGE UNLOADER ELECTRICAL EQUIPMENT  
D26 BYTE BUCKET CASSETTE  
D26 CABLE, POWER/COAL HANDLING SYSTEM  
D26 CABLE, WIRE, CONDUIT, COAL HANDLING  
D26 CABLES, CONTROL, COAL HANDLING SYSTEM  
D26 CAR PULLER, ELECTRICAL  
D26 COAL ELECTRICAL EQUIPMENT HOUSE  
D26 COAL ELECTRICAL EQUIPMENT TRANSFORMER, FOUNDATION  
D26 COAL HANDLING CONTROL PANEL  
D26 COAL HANDLING ELECTRICAL EQUIPMENT  
D26 COAL HANDLING LIGHTING  
D26 COAL RECLAIM ELECTRICAL EQUIPMENT BUILDING  
D26 COMPUTER, COAL HANDLING  
D26 CONTROL, COAL UNLOADING SYSTEM  
D26 HVAC, UNIT  
D26 HYD POWER UNIT, COAL TRIPPER  
D26 MOTOR CONTROL CENTER, W/ LOCAL CONTROLS  
D26 MOTOR, BARGE UNLOADER FLOW GATE  
D26 MOTOR, BOOM CONVEYOR DRIVE, COAL  
D26 MOTOR, BOOM HOIST DRIVE  
D26 MOTOR, BUCKET WHEEL DRIVE, COAL  
D26 MOTOR, CAR DUMPER, COAL  
D26 MOTOR, CAR DUMPER, HYD UNIT, COAL  
D26 MOTOR, GANTRY DRIVE, COAL  
D26 MOTOR, SLEWING DRIVE, COAL  
D26 MOTOR, TRIPPER FLOOR, COAL  
D26 MULTIPLEXER PANEL @ CRUSHER HOUSE  
D26 PANEL, POWER AND CONTROL, COAL ELECTRICAL HOUSE  
D26 RECLAIM MOTOR CENTER  
D26 REMOTE DEVICES-COAL HANDLING  
D26 SERVICE INSTRUMENT  
D26 SWITCHGEAR HOUSE-COAL HANDLING  
D26 TRANSFORMER, STEP-DOWN, BARGE UNLOADER

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D26 UNLOADER DC COMPRESSOR  
D26 VENTILATING UNIT, MACHINERY ROOM

#### 312-D27

#### COAL SAMPLING SYSTEM

D27 CHAIN GUARD, ENCLOSED, W/TIGHTENER  
D27 CHUTE, STAINLESS STEEL TRANSITION  
D27 COAL SAMPLE RIFFLER  
D27 FOUNDATIONS, COAL SAMPLE SYSTEM EQUIPMENT  
D27 HOIST, SAMPLE TOWER  
D27 MOISTURE DETECTING UNIT  
D27 MOTOR, FIRED SAMPLING  
D27 PROBE, TEMPERATURE, CK TEMP COAL ON CARS/PILES  
D27 REDUCER, AS RECEIVED SAMPLING  
D27 SAMPLER, COAL FINENESS, CYCLONE & PROBE @ LAB  
D27 SAMPLER, COAL HANDLING, AS FIRED  
D27 SAMPLER, FUEL TRUCK  
D27 SAMPLER, SWING ARM BELT  
D27 SAMPLING, COAL HANDLING, AS RECEIVED  
D27 SPLITTER, COAL SAMPLER  
D27 TOWER, SAMPLE, COAL UNLOADING SYSTEM

#### 312-D29

#### COAL BARGE

D29 WINCH, BARGE COVER

#### 312-D30

#### WORK BOAT

D30 BOAT, TUG  
D30 RADIO, MARINE, W/ANTENNA  
D30 WINCH, TUGBOAT

#### 312-E01

#### AIR COMPRESSOR

#### 312-E02

#### AIR FILTER OR WASHER

#### 312-E03

#### PRIMARY AIR HEATER

E03 AIR HEATER  
E03 AIR MOTOR ASSEMBLY  
E03 VALVE, PLUG ASSEM, AIR PREHEATER

#### 312-E04

#### CHUTES, DUCTS, OR PIPES SYSTEM

E04 BLASTER, AIR

#### 312-E05

#### COAL FEEDER, RAW OR POWDERED

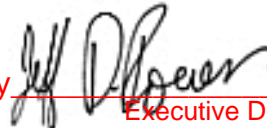
E05 COAL FEEDER  
E05 COAL FEEDER, ELECTRONIC LOAD CELL WEIGHING  
E05 COAL FEEDER, MOTOR  
E05 CONTROLS, COAL FEEDER  
E05 GATE, STOCK FEEDER  
E05 VALVE, FEEDER INLET ISOLATION

#### 312-E06

#### FEEDER BELT

E06 CLEANER, BRUSH  
E06 COAL FEEDER BELT  
E06 COUPLING, FEEDER BELT, COAL  
E06 MOTOR, FEEDER BELT  
E06 MOTOR, TRAILER DRIVE  
E06 REDUCER, FEEDER BELT  
E06 REDUCER, BOOM FEEDER BELT DRIVE, COAL

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E06 REDUCER, BOOM HOIST DRIVE, COAL  
E06 REDUCER, BUCKET WHEEL DRIVE, COAL  
E06 REDUCER, GANTRY DRIVE, COAL  
E06 REDUCER, SLEWING DRIVE, COAL  
E06 REDUCER, TRAILER DRIVE, COAL

**312-E07  
CRUSHER**

E07 COAL CRUSHER ENCLOSURE  
E07 CRUSHER TOWER  
E07 CRUSHER, AS FIRED SAMPLING  
E07 CRUSHER, AS RECEIVED SAMPLING  
E07 FLOP GATE, COAL  
E07 MOTOR, CRUSHER  
E07 MOTOR, CRUSHER, AS FIRED  
E07 MOTOR, CRUSHER, AS RECEIVED

**312-E08  
DRYER**

E08 DRYER

**312-E09  
FAN**

E09 FAN  
E09 PRIMARY AIR FLOW, MEASURING ELEMENT  
E09 PRIMARY AIR FLOW, MONITOR

**312-E10  
HOPPER OR BIN**

E10 PYRITE, TANK  
E10 VALVE, TANK

**312-E11  
PULVERIZER**

E11 BALL MILL REMOTE CONTROL SYSTEM  
E11 CRANE, MILL MAINTENANCE  
E11 DAMPER, RATING  
E11 FAN, MILL SEAL AIR  
E11 MILL, GEARBOX  
E11 MOTOR, MILL  
E11 PIPING SYSTEM, COAL  
E11 PULVERIZER, MILL  
E11 PULVERIZER, RATING DAMPER  
E11 SADDLE  
E11 TABLE, GRINDING  
E11 UPPER SPRING RING

**312-E12  
PUMP**

E12 MOTOR, PUMP  
E12 PUMP, SUMP, PYRITES HOLDING TANK

**312-E16  
WEIGHING MACHINE, AUTOMATIC**

E16 BELT SCALE

**312-F01  
HEATER**

F01 HEATER, FUEL OIL

**312-F02  
METER**

F02 METER

**312-F03  
PUMP**

F03 MOTOR, PUMP  
F03 PUMP

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**312-F04  
TANK**

F04 GAUGE SYSTEM  
F04 PROBE, FUEL OIL TANK  
F04 TANK, FUEL OIL

**312-G01  
HOLDER OR TANK**

G01 TANK  
G01 TANK, DIKING

**312-G02  
METER**

G02 COMPUTER, ANALOG, PROPANE METER

**312-G03**

**PRESSURE REGULATOR OR CONTROL DEVICE**

G03 FUEL SAFETY SYSTEM W/PURGE PRELIGHT

**312-G04  
GAS LINES**

G04 GAS LINE

**312-G05  
GAS PLANT**

G05 PROPANE VAPORIZER

**312-H02**

**CONVEYOR - ASH HANDLING EQUIPMENT**

H02 CONVEYOR SYSTEM, BOTTOM ASH  
H02 CONVEYOR, ASH, SUBMERGED, DRAG CHAIN  
H02 TANK, BOTTOM ASH, SULPHURIC ACID

**312-H03**

**CRANE OR HOIST - ASH HANDLING EQUIPMENT**

H03 HOIST, FLY ASH SILO JIB CRANE

**312-H04**

**ELECTRIC TROLLEY**

**312-H05**

**FAN - ASH HANDLING EQUIPMENT**

H05 BLOWER, FLY ASH AERATION  
H05 BLOWER, FLY ASH PRESSURE  
H05 FAN, FLY ASH EXHAUST  
H05 FAN, VENT, FLY ASH  
H05 MOTOR, FLY ASH AERATION BLOWER

**312-H07**

**PUMP - ASH HANDLING EQUIPMENT**


H07 ASH HOPPER OVERFLOW SUMP PUMP  
H07 CLARIFIER, ASH HANDLING WATER SUPPLY  
H07 FLOATING PUMP STRUCTURE, ASH POND  
H07 MOTOR, PUMP  
H07 PUMP, ASH SLUICE  
H07 PUMP, GENERAL  
H07 PUMP, FOUNDATION  
H07 PUMP, WASTE WATER  
H07 THERMAL SUPPLY UNIT, BOTTOM ASH COOLER

**312-H08**

**REMOVAL SYSTEM, VACUUM**

H08 AIR DRYER, FLY ASH SYSTEM  
H08 ASH HANDLING SYSTEM CONTROLS  
H08 BREAKER, VACUUM, UNIT, FLY ASH  
H08 HYDRAULIC EDUCTOR  
H08 HYDRO VACTOR  
H08 PIPING SYSTEM, VACUUM TRUCK  
H08 TRUCK, VACUUM

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H08 VACUUM, CENTRAL, PIPING SYSTEM

**312-H09**

**SLUICEWAY OR PIPING SYSTEM**

H09 ASH CONTROL SYSTEM  
H09 ASH HOPPER, WET SEAL SKIRT  
H09 ASH SCREEN  
H09 ASH, BOTTOM, HANDLING SYSTEM  
H09 DISCHARGE PIPELINE OVERFLOW SUMP PUMP TO ASH POND  
H09 FLY ASH HANDLING SYSTEM  
H09 FLYASH DISCHARGE LINE  
H09 FREEZE PROTECTION, WETBOTTOM  
H09 HEAT TRACE, CONDUIT, CABLES, & PANELS  
H09 HEATER, WETBOTTOM RADIANT  
H09 PIPING SYSTEM, ASH SLUICE  
H09 PIPING SYSTEM, BOTTOM ASH  
H09 PYRITE DISCHARGE LINE  
H09 SCREEN, STAINLESS STEEL DRIP  
H09 SLAG SCREEN  
H09 TRENCH, ASH LINE, CONCRETE  
H09 VALVE, ASH SLUICE  
H09 VALVE, ISOLATION, ASH RECYCLING  
H09 VALVE, WET BOTTOM

**312-H10**

**STORAGE BIN OR PIT**

H10 ASH STORAGE STRUCTURE W/FOOTBRIDGE  
H10 FOUNDATIONS, BOTTOM ASH HOPPER AND PIT  
H10 GATE, ASH & HOUSING  
H10 HOPPER, FLY ASH  
H10 HOPPER, BOTTOM ASH  
H10 HOPPER, INTERNAL WATER JET  
H10 HOPPER, PYRITE  
H10 SILO, FLY ASH  
H10 TANK, FLY ASH SEPARATOR  
H10 TANK, ISOLATING VALVE HOLDING  
H10 TANK, PYRITE HOLDING  
H10 TROUGH, BOILER SEAL  
H10 VALVE, ISOLATING, PYRITE HOLDING TANK

**312-H11**

**SUMP DREDGE**

H11 STRAINER

**312-H13**

**CLINKER GRINDER OR SLAG GRINDER**


H13 ASH HOPPER GRINDER MOTOR REDUCER  
H13 FLUID POWER DRIVES  
H13 GRINDER, SLAG

**312-H14**

**ASH POND EQUIPMENT**

H14 ASH POND OVERFLOW PIPING  
H14 ASH POND, DISCHARGE FACILITY  
H14 CABLE, CONTROL & INSTRUMENT  
H14 CABLE, POWER  
H14 CONDUIT, POWER  
H14 CONTROL FEED SYSTEM, PH, ASH POND W/ ENCLOSURE  
H14 CONTROL SYSTEM, SUPERVISORY  
H14 CURTAIN, TURBIDITY, FLOATING, ASH POND  
H14 FLOW MEASUREMENT SYSTEM  
H14 POND, ASH  
H14 POND, ASH, CONCRETE SUPPORTS, ASH LINES  
H14 POND, ASH, CULVERT  
H14 POND, ASH, DIKE  
H14 POND, ASH, DRAWDOWN STRUCTURE

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- H14 POND, ASH, EMERGENCY OVERFLOW
- H14 POND, ASH, EXPANSION
- H14 POND, ASH, MANHOLES
- H14 POND, ASH, PUMP
- H14 POND, ASH, RIP RAP
- H14 POND, ASH, ROAD, GRAVEL
- H14 STRAINER, W/AUTOMATIC BACKWASH CONTROL
- H14 SUBSTATION, EQUIPMENT FOR ASH POND

**312-I01**

**METER - PURIFICATION SYSTEM**

- I01 ADAPTER, MOD BUS W/CABLE & PROGRAMMER/TAPE LOADER
- I01 ANALYZER
- I01 COMPENSATOR, AUTOMATIC TEMPERATURE
- I01 CONDUCTIVITY CELL, SCREW
- I01 FLOW SWITCH CALIBRATOR, FLUID COMPONENTS
- I01 METER, FLOW
- I01 INDICATOR, TEMPERATURE
- I01 METER, DENSITY
- I01 METER, PH
- I01 PROBE, MAGNETIC, FLOW METER
- I01 RECORDER, CLARIFIER
- I01 RECORDER, SEQUENCE OF EVENTS

**312-I02**

**PUMP - PURIFICATION SYSTEM**


- I02 CRANE, CLARIFIER BLDG GANTRY
- I02 PUMP, ACID FEED
- I02 PUMP, AMINE
- I02 PUMP, CAUSTIC
- I02 PUMP, CLARIFIER SLUDGE
- I02 PUMP, COAGULANT
- I02 PUMP, CONDENSATE
- I02 PUMP, DEMINERALIZER
- I02 PUMP, EVAPORATOR
- I02 PUMP, HYDRAZINE
- I02 PUMP, PH CORRECTION
- I02 PUMP, PHOSPHATE
- I02 PUMP, RECIRCULATION
- I02 PUMP, SAMPLE
- I02 PUMP, SERVICE WATER
- I02 PUMP, SODIUM HYDROXIDE
- I02 PUMP, SUMP
- I02 PUMP, TRANSFER
- I02 PUMP, TRASH
- I02 PUMP, VACUUM
- I02 PUMP, VACUUM, SEAL OIL
- I02 PUMP, WATER CENTRIFUGAL
- I02 PUMP, WATER, POTABLE
- I02 PUMP, WELL WATER BOOSTER

**312-I03**

**TANK - PURIFICATION SYSTEM**

- I03 CLARIFIER, WASTE WATER SUPPLY
- I03 HEATER, CAUSTIC TANK
- I03 LIQUID ALUM SYSTEM, PIPING SYSTEM
- I03 MIXER, TANK
- I03 PUMP, ACID REGENERATION
- I03 RESERVOIR, WATER
- I03 TANK, ACID
- I03 TANK, ANION EXCHANGE
- I03 TANK, CATION EXCHANGE
- I03 TANK, CAUSTIC
- I03 TANK, COAGULANT
- I03 TANK, COAGULANT STORAGE

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- I03 TANK, CONDENSATE
- I03 TANK, CONDENSATE DRAIN
- I03 TANK, CONDENSATE STORAGE
- I03 TANK, DEGASIFIER & CLEARWELL
- I03 TANK, HYDRAZINE
- I03 TANK, MIXED BED
- I03 TANK, PHOSPHATE
- I03 TANK, POTABLE WATER
- I03 TANK, RO PLANT
- I03 TANK, SULFURIC ACID
- I03 TANK, WATER
- I03 UNIVERSALEVEL, DREXELBROOK, ACID/CAUSTIC
- I03 WASTE WATER CLARIFIER & FILTER WATER TANK

**312-I04**

**WATER SOFTENER OR PURIFICATION SYSTEM**

- I04 AERATOR, ACID RETENTION
- I04 AGITATOR, NEUTRALIZATION PIT, W/MOTOR
- I04 ANALYZER, SODIUM, CONDENSATE SYSTEM
- I04 BLOWER, AIR, MIXED BED, W/MOTOR
- I04 CLARIFIER BUILDING
- I04 CLARIFIER, DEMINERALIZED WATER PIPING SYSTEM
- I04 CLARIFIERS, PRETREATMENT, FLASH MIX TANKS
- I04 CLEANING STATION, WATER PLANT
- I04 CONDUIT & CABLE TRAYS @ WATER PLANT
- I04 CONTROL, EVAPORATING
- I04 CROSSTIE LINE, DEIONIZED WATER
- I04 DCS CONTROL SYSTEM, WATER CONTROL DEMINERALIZER
- I04 DEMINERALIZER SYSTEM, MAKE UP
- I04 EVAPORATOR, FEEDWATER
- I04 FEED SYSTEM, POLYMER
- I04 FILTER SYSTEM, ACTIVATED CARBON
- I04 HEATER, CAUSTIC
- I04 HOIST, WATER TREATMENT BLDG CHLORINE
- I04 HYPOCHLORINATOR (WATER TREATMENT BLDG.)
- I04 LIQUID ALUM FEED SYSTEM FOR ALUM INJECT PUMP SYST
- I04 MAIN CONTROL PANEL @ WATER PLANT
- I04 METER, CONDUCTIVITY, RO WATER TREATMENT
- I04 MONITOR, PH, CONDENSATE
- I04 PIPE TRENCH @ WATER PLANT
- I04 PIPING SYSTEM, CHEMICAL FEED
- I04 PIPING SYSTEM, WASTEWATER POND
- I04 PLC SYSTEM
- I04 POND, WASTE WATER
- I04 POND, WASTE, LINER
- I04 PREVENTOR, PLANT BACKFLOW
- I04 PUMP, CHEMICAL FEED
- I04 REDUCER, CLARIFIER RAKE SPEED
- I04 REDUCER, CLARIFIER TURBINE SPEED
- I04 REVERSE OSMOSIS SYSTEM
- I04 RIVER WATER INTAKE BUILDING
- I04 REVERSE OSMOSIS PLANT CONTROLS
- I04 SOFTENER, DUAL, W/BRINE STATION
- I04 TURBIDIMETER, CLARIFIER
- I04 WALKWAY, CONCRETE, ACID RETENTION
- I04 WATER HEATER, ANION UNIT, CAUSTIC
- I04 WATER TREATMENT BUILDING
- I04 WATER TREATMENT CLARIFIER BUILDING

**312-I05**

**WELL**

- I05 WELL, TEST, POTABLE WATER

**312-J01**

**AIR DUCT SYSTEM**

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J01 BOILER, ROOF VENTILATOR, DRAFT  
J01 CONTROLLER, AIR FLOW  
J01 CONTROLLERS, SEAL AIR W/DRIVES  
J01 FAN DAMPER, SEAL AIR FAN  
J01 FAN, EXHAUST  
J01 TUNNEL VENT SYSTEM

**312-J02**

**BLOWER - VENTILATING EQUIPMENT**

J02 CLEANER, ELECTRONIC AIR  
J02 FAN, PRESSURIZATION  
J02 TRANSMITTER, AIR FLOW, W/DRIVES

**312-J03**

**COOLER - VENTILATING EQUIPMENT**

J03 COOLER @ STEAM COIL RACK  
J03 COOLER, EXTERNAL DRAIN  
J03 PUMP, CIRCULATION, CHILLED WATER  
J03 PUMP, COOLING WATER, CLOSED  
J03 PUMP, COOLING WATER, DIRECT

**312-K01**

**AUTOMATIC CONTROL INSTALLATION**

K01 ANALYZER, OXYGEN  
K01 BOILER, PRESSURE READOUT  
K01 CIRCUIT BREAKER, AC HIGH VOLTAGE  
K01 CONTROLLER, COAL AIR TEMP W/DRIVES  
K01 CONTROLLER, MILL W/DRIVES  
K01 CONTROLS, TRACK HOPPER FEED  
K01 FIRE PROTECTION  
K01 MOTOR CONTROL CENTER  
K01 PYRITE, SYSTEM CONTROLS  
K01 STEAM PRESS CONTROL SYSTEM, AUTOMATIC  
K01 SWITCHES  
K01 THERMAPROBE  
K01 TOTALIZER SYSTEM, GAS FLOW  
K01 TRANSFORMER

**312-K02**


**MASTER CONTROL INSTALLATION**

K02 ANALYZER, OXYGEN, PROBE  
K02 CABINET  
K02 COMPUTER  
K02 CONDUCTIVITY CELL  
K02 CONDUCTIVITY MONITOR  
K02 CONDUCTOR NT SOFTWARE KITS  
K02 CONTROL STATIONS  
K02 CONTROLLER, PRESSURE  
K02 DAS, EMISSIONS MONITOR  
K02 ELECTRIC SERVICE, UNDERGROUND, PH TRIM STATION  
K02 GENERATOR, DIESEL, CONTROL SYSTEM, CONTROLS  
K02 MODULATING DRIVE (BTG)  
K02 MODULATING OPERATOR (BTG)  
K02 PANEL, I/O CONNECTOR CONTROL  
K02 POSITION CONTROL  
K02 SWAMPING BOX (BTG)  
K02 TAPE DRIVE, MAGNETIC FOR EPA REPORT EMISSIONS MONI  
K02 TEMPERATURE PROCESSOR  
K02 TEMPERATURE SIGNAL GENERATOR  
K02 TRANSDUCERS & CONTROL VALVES  
K02 TRANSMITTER, PRESSURE  
K02 UNINTERRUPTIBLE POWER SUPPLY  
K02 WORKSTATION CONSOLE, CONTROL ROOM

**312-K03**

**PANEL SECTION OF SWITCH OR BOARD**

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- K03 BOARD, INSTRUMENT GAUGE
- K03 BREAKER BOARD, LEAR SIEGLER, INSTACK MONITOR
- K03 CABINET
- K03 CONTROL BOARD, BTG
- K03 PANEL
- K03 SWITCHBOARD

**312-K04**

**RECORDING OR INDICATING DEVICE**

- K04 ALARM ANNUNCIATOR, BTG BOARD
- K04 ALARM ANNUNCIATOR, PANALARM
- K04 ALARM, PANEL
- K04 AMPLIFIER
- K04 ANALYZER, PROBE
- K04 ANALYZERS
- K04 ANALYZER, SO2
- K04 ANNUNCIATOR, TERMINATION BAYS, CONTROL PANEL
- K04 BALCONIES & TEST PORTS
- K04 COMPUTER
- K04 CONTROL, DIGITAL, STACK EMISSIONS
- K04 CONTROLLER
- K04 DAC W/SPECTRAPAK DAHS, STACK EMISSIONS
- K04 DATA ACQUISITION SYSTEM
- K04 EMISSION MONITORING SYSTEM
- K04 INDICATOR, DRUM LEVEL
- K04 INFRARED THERMO TEMPERATURE PROBE
- K04 INVERTER
- K04 METER
- K04 MONITOR, CO2
- K04 MONITOR, EMISSION
- K04 MONITOR PROBE, STACK GAS
- K04 MONITOR, OPACITY
- K04 MONITOR, SO2
- K04 MONITOR, ULTRAFLOW
- K04 OPERATORS STATION, NT DISPLAY, WDPF
- K04 PRESSURE INDICATOR
- K04 PROGRAMMABLE LOGIC CONTROLLER
- K04 RACK, INSTRUMENT & CONTROL EQUIPMENT
- K04 RECORDER
- K04 SEQUENCE OF EVENTS SYSTEM
- K04 SOFTWARE, DB DOCUMENT
- K04 SOFTWARE, FOR BAILEY CONTROL
- K04 SPECTROPHOTOMETER
- K04 STACK EMISSIONS, DIGITAL CONTROLS
- K04 TESTING METER
- K04 THERMOCOUPLE
- K04 THERMOMETER
- K04 TRANSMATION
- K04 TRANSMISSOMETER
- K04 TRANSMITTER

**312-K05**

**AIR DRYER**

- K05 AIR COMPRESSOR
- K05 AIR DRYER

**312-L02**

**HEADER OF ANY CLASS OF PIPING**

- L02 COMPRESSED AIR PIPING
- L02 CONDENSATE PIPING
- L02 COOLING WATER PIPING
- L02 DEMINERALIZED WATER PIPING
- L02 STEAM DRAIN PIPING
- L02 EXHAUST PIPING
- L02 INSTRUMENT AIR PIPING

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L02 PIPING SYSTEM, BOILER FEED  
L02 PIPING SYSTEM, BOILER, DRAFT  
L02 PIPING SYSTEM, CHEMICAL FEED  
L02 PIPING SYSTEM, COLD REHEAT  
L02 PIPING SYSTEM, HOT REHEAT  
L02 PIPING SYSTEM, MAIN STEAM  
L02 PIPING SYSTEM, RELIEF VALVE VENTS  
L02 PIPING SYSTEM, SERVICE WATER  
L02 PIPING SYSTEM, WASTE WATER  
L02 PIPING SYSTEM, WET BOTTOM  
L02 PIPING SYSTEM, OIL SUPPLY TO BURNERS  
L02 POTABLE WATER PIPING  
L02 LUBE OIL, PIPING  
L02 ROOF, DRAIN PIPING SYSTEM  
L02 SERVICE AIR PIPING SYSTEM  
L02 STEAM BLOWDOWN, SILENCER  
L02 VENT PIPING SYSTEM

**312-L03**

**PIPING, 2" OR OVER, 2 OR MORE UNITS**

L03 AIR EXTRACTION PIPING SYSTEM  
L03 ASH SEAL PIPING SYSTEM  
L03 BOILER, VALVE, RELIEF, VENT PIPING, INSULATION  
L03 CENTRAL, VACUUM SUCTION HOSES  
L03 CONDENSATE PIPING SYSTEM  
L03 DEMINERALIZED PIPING SYSTEM  
L03 DRAIN PIPING SYSTEM  
L03 FIRE PROTECTION PIPING SYSTEM  
L03 HOOD, STEAM LINE  
L03 HOT REHEAT PIPING SYSTEM  
L03 IGNITION OIL PIPING SYSTEM  
L03 INSTRUMENT AIR PIPING SYSTEM  
L03 INSULATE PIPING BOILER PLANT PIPING  
L03 MAIN STEAM PIPING SYSTEM  
L03 PIPING SYSTEM, BLEED STEAM  
L03 PIPING SYSTEM, BOILER FEED  
L03 PIPING SYSTEM, CENTRAL VACUUM  
L03 PIPING SYSTEM, CERAMIC COAL  
L03 PIPING SYSTEM, CHEMICAL CLEANING  
L03 PIPING SYSTEM, CHEMICAL FEED SYSTEM  
L03 PIPING SYSTEM, COAL REHEAT  
L03 PIPING SYSTEM, HYDROGEN  
L03 PIPING SYSTEM, LUBE OIL  
L03 PIPING SYSTEM, OBSERVATION PORT  
L03 PIPING SYSTEM, SERVICE AIR  
L03 PIPING SYSTEM, STEAM, BOILER, AUX  
L03 PIPING SYSTEM, SULPHURIC ACID  
L03 POLISHER, CONDENSATE, WATER TREATMENT  
L03 POTABLE WATER, PIPING SYSTEM  
L03 SERVICE WATER, PIPING SYSTEM  
L03 WASTE WATER PIPING  
L03 WATER LINE, BOILER SLAG CONTROL

**312-L04**

**PIPING, 2" OR OVER, 1 OR MORE UNITS & HEADER**

L04 PIPING SYSTEM, CERAMIC COAL, CLASSIFIERS/BURNERS  
L04 PIPING SYSTEM, WET BOTTOM, ASH POND  
L04 VACUUM TRUCK, PORTABLE PIPING

**312-L05**

**TRAP, HIGH PRESSURE**

L05 TRAPS

**312-L06**

**SEPARATOR OR PURIFIER, STEAM**

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L06 SEPARATOR, VAPOR

**312-L07**

**RELATIVELY COSTLY VALVES**

L07 VALVE  
L07 VALVE, AIR COMPRESSOR  
L07 VALVE, AIR HEATER CROSS TIE  
L07 VALVE, AIR HEATER DRAIN LINE  
L07 VALVE, ASH HANDLING, ASSEMBLY  
L07 VALVE, ASH LINE, ASSY  
L07 VALVE, ASH OVERFLOW  
L07 VALVE, ASH REMOVAL, MATERIAL HANDLING  
L07 VALVE, ASH SEAL PIPING SYSTEM  
L07 VALVE, ASH SLUICE  
L07 VALVE, ASH SLUICE PUMP, OUTBOARD  
L07 VALVE, ASH SYSTEM  
L07 VALVE, AUX STEAM  
L07 VALVE, AUX WATER  
L07 VALVE, BLEED PUMP  
L07 VALVE, BLOWDOWN  
L07 VALVE, BOILER  
L07 VALVE, BOTTOM ASH  
L07 VALVE, CIRCULATING, WATER  
L07 VALVE, CLARIFIER  
L07 VALVE, CLARIFIER INLET CONTROL  
L07 VALVE, COAL  
L07 VALVE, COLD REHEAT  
L07 VALVE, CONDENSOR  
L07 VALVE, COOLING WATER SYSTEM  
L07 VALVE, CSI  
L07 VALVE, DEMINERALIZED  
L07 VALVE, DRAIN  
L07 VALVE, DRIP  
L07 VALVE, DRUM BLOCK  
L07 VALVE, DRUM, SAFETY  
L07 VALVE, DUST COLLECTOR  
L07 VALVE, ECONOMIZER  
L07 VALVE, EVAPORATING STEAM  
L07 VALVE, FEEDWATER  
L07 VALVE, FEEDWATER SUPERHEAT SPRAY  
L07 VALVE, FEEDWATER, REGULATING  
L07 VALVE, FIRE WATER DELUGE  
L07 VALVE, FLYASH  
L07 VALVE, HYDROVACTOR INLET  
L07 VALVE, IK BLOCK  
L07 VALVE, IR BLOCK  
L07 VALVE, KNIFEGATE  
L07 VALVE, LOW PRESSURE, STEAM HEADER, CROSS-TIE  
L07 VALVE, LUBE OIL COOLER  
L07 VALVE, MANUAL ISOLATION  
L07 VALVE, MILL  
L07 VALVE, PLANT DISCHARGE PUMP  
L07 VALVE, PRECIPITATOR  
L07 VALVE, PULVERIZER  
L07 VALVE, PYRITE  
L07 VALVE, PYRITE HOPPER  
L07 VALVE, PYRITE JET PUMP, WATER SUPPLY  
L07 VALVE, NON-RETURN/REVERSE CURRENT  
L07 VALVE, REACTION TANK  
L07 VALVE, RECLAIM, WATER SYSTEM  
L07 VALVE, RELIEF  
L07 VALVE, RELIEF, VENTS  
L07 VALVE, RIVER WATER  
L07 VALVE, ROOF DRAIN

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L07 VALVE, SAFETY, MAIN STEAM  
L07 VALVE, SAFETY, PRESSURE  
L07 VALVE, SAFETY, REHEATER  
L07 VALVE, SAFETY, STEAM COIL  
L07 VALVE, SAFETY, SUPERHEATER  
L07 VALVE, SEAL AIR FAN, FLANGE  
L07 VALVE, SILO SUMP PUMP  
L07 VALVE, SOOTBLOWER  
L07 VALVE, STEAM SEAL DRUM  
L07 VALVE, STEAM SPRAY  
L07 VALVE, SUMP PUMP  
L07 VALVE, SUPERHEAT  
L07 VALVE, SUPERHEAT SPRAY  
L07 VALVE, WASTE WATER  
L07 VALVE, WATER TREATMENT  
L07 VALVE, WETBOTTOM

**312-L08**

**FREEZE PROTECTION FOR PIPING**

L08 FREEZE PROTECTION

**312-M02**

**PONDS, LANDFILL RUN-OFF**

M02 POND, ASH HANDLING SYSTEM, WASTE WATER, LANDFILL  
M02 TRIM SYSTEM, PH, @LAB, LANDFILL

**312-Q01**

**NEURAL NETWORK SYSTEM**

Q01 AIR REGISTER DRIVE, BURNER  
Q01 ALARM SYSTEM ANNUNCIATOR  
Q01 BURNER MANAGEMENT SYSTEM  
Q01 BURNER AIR MANAGEMENT, INDIVIDUAL  
Q01 COAL PIPE ORIFICE, FUEL FLOW MONITORING / BALANCING  
Q01 COMBUSTION CONTROL SYSTEM WITH LOAD DISPATCH  
Q01 COMPUTER CONTROL SYSTEM  
Q01 DATA ACQUISITION SYSTEM  
Q01 ECT SYSTEM, FUEL FLOW MONITORING AND BALANCING  
Q01 NEURAL NETWORK SYSTEM  
Q01 PI-ARCHIVING SYSTEM  
Q01 SAFEFLAME DFS SCANNER/ARCH  
Q01 SPARE PARTS

**312-R01**

**COAL REBURN NETWORK SYSTEM**

R01 ALARM SYSTEM ANNUNCIATOR  
R01 BASKETS, AIRHEATER COLDEND  
R01 BOOST AIR HOSE  
R01 BOOST AIR PIPING  
R01 BOOST AIR PIPING, DAMPER  
R01 BOOST AIR PIPING, DAMPER DRIVE  
R01 BRICK LINING, INTERNAL  
R01 CLEANING DEVICE, AIRHEATER HOTEND  
R01 COAL PIPING  
R01 COAL PIPING, ISOLATION VALVE  
R01 COMPUTER & SOFTWARE  
R01 DUCT MONITOR  
R01 FLOW TRANSMITTER  
R01 HARDWARE  
R01 HOTEND LAYER, AIRHEATER  
R01 INJECTOR  
R01 INJECTOR, COAL REBURN  
R01 INJECTOR, COAL REBURN, TUBE PANEL  
R01 INJECTOR, COAL REBURN, BOOST AIR HOSE  
R01 INJECTOR, EXPANSION JOINT  
R01 INJECTOR, INNER DRIVE

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R01 INJECTOR, OUTER DRIVE  
R01 INJECTOR, TUBE PANEL  
R01 LAGGING & INSULATION  
R01 OFA DUCT  
R01 OFA DUCT DAMPER  
R01 OFA DUCT DAMPER DRIVE  
R01 OFA DUCT EXPANSION JOINT  
R01 OFA DUCT INSULATION  
R01 PROBE  
R01 SCANNER SYSTEM/ARCHITECTURE  
R01 STABILIZER RING  
R01 TRANSMITTER, TEMPERATURE  
R01 TRIMMING DAMPER

#### 312-S01 SCR

S01 AC INPUTS / RELAY OUTPUTS, BASE UNIT, MICRO LOGIX, PLC CONTROL  
S01 AC POWER SUPPLY, LOGIX, PLC CONTROL  
S01 ANALYZER, NOX  
S01 ASSEMBLY, CATALYST, CART  
S01 ASSEMBLY, CATALYST, CART TRACK  
S01 ASSEMBLY, CATALYST, SEAL PLATE  
S01 ASSEMBLY, CROSS ARM, RAKE SOOTBLOWER  
S01 ASSEMBLY, FEED TUBE, RAKE SOOTBLOWER  
S01 ASSEMBLY, HOPPER MODULE  
S01 ASSEMBLY, REACTOR  
S01 ASSEMBLY, REACTOR, TUBE BUNDLE  
S01 ASSEMBLY, RECTIFIER MODULE  
S01 BOILER BYPASS, ECONOMIZER SECTION TUBE SURFACE  
S01 BOILER BYPASS, REHEATER SECTION TUBE SURFACE  
S01 CATALYST, REACTOR  
S01 COMPUTER, CEMS  
S01 CONTROL PANEL, E-STOP, PLC  
S01 CONTROL PANEL, E-STOP, REMOTE CONTROL, PLC  
S01 CONTROL PANEL, MAIN, PLC  
S01 CPU, LOGIX, PLC CONTROL  
S01 DAMPER, DOUBLE LOUVER, BYPASS  
S01 DAMPER, FAN INLET, ID FAN  
S01 DAMPER, FAN OUTLET, ID FAN  
S01 DAMPER, GUILLOTINE INLET  
S01 DAMPER, GUILLOTINE OUTLET  
S01 DESUPERHEATER, STEAM CONDITIONING  
S01 DRIVEN COUPLING REXNORD, ID FAN AND MOTOR  
S01 DUCT, BREECHING BYPASS  
S01 DUCT, BREECHING INLET  
S01 DUCT, BREECHING OUTLET  
S01 DUCT, ECONOMIZER OUTLET  
S01 DUCT, INLET INTERIOR, ELBOW CAP  
S01 DUCT, REACTOR, PRIMARY AIR  
S01 ELEMENT, COLD END, AIRHEATER, PRIMARY  
S01 ELEMENT, COLD END, AIRHEATER, SECONDARY  
S01 ELEMENT, HOT END, AIRHEATER, PRIMARY  
S01 ELEMENT, HOT END, AIRHEATER, SECONDARY  
S01 ETHERNET ADAPTER, PLC CONTROL  
S01 ETHERNET BRIDGE, SINGLE PORT, PLC CONTROL  
S01 ETHERNET HUB, DIN-RAIL MOUNTING, PLC CONTROL  
S01 ETHERNET INTERFACE, MICRO LOGIX, PLC CONTROL  
S01 EXPANSION JOINT, AIR HEATER INLET  
S01 EXPANSION JOINT, BYPASS  
S01 EXPANSION JOINT, ECONOMIZER INLET  
S01 EXPANSION JOINT, ECONOMIZER OUTLET  
S01 EXPANSION JOINT, METALLIC, DILUTION / SEAL AIR  
S01 EXPANSION JOINT, NON-METALLIC, DILUTION / SEAL AIR

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S01 EXPANSION JOINT, OUTLET  
S01 EXPANSION JOINT, P.A. DUCT  
S01 FAN ASSEMBLY, DILUTION / SEAL AIR  
S01 FLOW ELEMENT, HEADER, STEAM CONDITIONING  
S01 FLUE GAS DUCT, BREECHING, AIR HEATER  
S01 FOUNDATIONS, AMMONIA AREA  
S01 FOUNDATIONS, ID FAN  
S01 FOUNDATIONS, SCR / DUCT  
S01 HMI - CLIENT / SERVER SOFTWARE  
S01 HMI - MONITORS  
S01 HMI - OPERATE IT SERVERS  
S01 HMI - OPERATOR MONITORS  
S01 HMI - PERSONAL COMPUTERS  
S01 HMI - PROJECTION MONITORS  
S01 HOIST / TROLLEY, CATALYST  
S01 I/O PANEL, REMOTE CONTROL, PLC  
S01 IMPELLER, ID FAN AND MOTOR  
S01 INJECTION FLOW, CONTROL SKID  
S01 INJECTION FLOW, TRANSMITTER  
S01 INJECTION HEADER, PRESSURE TRANSMITTER  
S01 INPUT MODULE, 4 CHANNEL ANALOG, MICRO LOGIX, PLC CONTROL  
S01 INPUT MODULE, AC ISOLATION, LOGIX, PLC CONTROL  
S01 INPUT MODULE, ISOLATION, LOGIX, PLC CONTROL  
S01 INPUT MODULE, LOGIX, PLC CONTROL  
S01 INPUT MODULE, VAC, MICRO LOGIX, PLC CONTROL  
S01 INSTRUMENT AIR SYSTEM  
S01 LEAK DETECTOR, NH3  
S01 LEAK DETECTOR, TRUCK UNLOADING, NH3  
S01 LEVEL INDICATOR, NH3 STORAGE  
S01 MANIFOLD, TANK PRESSURE RELIEF, NH3 STORAGE  
S01 MONITOR, PLC CONTROL  
S01 MOTOR, ID FAN AND MOTOR  
S01 NET BRIDGE, SINGLE PORT, PLC CONTROL  
S01 NOX ANALYZER, TLI METAL BLDG.  
S01 OUTPUT MODULE, AC/DC RELAY, MICRO LOGIX, PLC CONTROL  
S01 OUTPUT MODULE, RELAY, LOGIX, PLC CONTROL  
S01 PANEL, TRUCK UNLOADING STATION, PLC CONTROL  
S01 PC, DESKTOP, PLC CONTROL  
S01 PC, DIN RAIL MOUNT INDUSTRIAL, PLC CONTROL  
S01 PIPE, LIQUID, RAILCAR UNLOADING, NH3 STORAGE  
S01 PIPE, VAPOR, RAILCAR UNLOADING, NH3 STORAGE  
S01 PIPING, DILUTION / SEAL AIR  
S01 POTABLE WATER SYSTEM  
S01 POWER SUPPLY, MICRO LOGIX, PLC CONTROL  
S01 PROBE, GAS ANALYZER, INLET, NOX  
S01 PROBE, GAS ANALYZER, OUTLET, NOX  
S01 PROCESSOR UNIT, MICRO LOGIX, PLC CONTROL  
S01 PUMP, MAGNETIC DRIVE, TEMPERATURE  
S01 PUMP, NH3  
S01 PUMP, SKID, NH3  
S01 PUMP, UPSTREAM, FILTER, NH3  
S01 REXA ACTUATOR, FAN INLET DAMPER, ID FAN  
S01 REXA ACTUATOR, FAN OUTLET DAMPER, ID FAN  
S01 ROTOR, ID FAN AND MOTOR  
S01 SCANNER, DEVICE NET, MICRO LOGIX, PLC CONTROL  
S01 SHAFT, ID FAN AND MOTOR  
S01 SKID, TRUCK UNLOADING, NH3  
S01 SLOT CHASSIS, LOGIX 13, PLC CONTROL  
S01 SLOT FILLER MODULE, PLC CONTROL  
S01 SOOTBLOWER PANEL, PLC CONTROL  
S01 SOOTBLOWER, RAKE  
S01 STEAM COIL, PREHEATER, DILUTION / SEAL AIR  
S01 STORAGE TANK, NH3 AMMONIA

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- S01 STRUCTURAL STEEL, AMMONIA AREA
- S01 STRUCTURAL STEEL, SCR / DUCT
- S01 TERMINAL BLOCK, REMOVABLE, LOGIX, PLC CONTROL
- S01 TERMINATOR, LEFT END CAP, MICRO LOGIX, PLC CONTROL
- S01 TERMINATOR, RIGHT END CAP, MICRO LOGIX, PLC CONTROL
- S01 TOUCH SCREEN, FLAT PANEL, PLC CONTROL
- S01 TRANSMITTER, AIR HEADER, FLOW
- S01 TRANSMITTER, LEVEL, NH3 STORAGE
- S01 TRANSMITTER, PRESSURE, NH3 STORAGE
- S01 TRANSMITTER, PRESSURE, NH3 STORAGE TANK
- S01 TRANSMITTER, TEMPERATURE, NH3 STORAGE
- S01 VALVE, BALANCING
- S01 VALVE, CHECK, CONDENSATE OUTLET
- S01 VALVE, CHECK, LIQUID FILL, NH3 STORAGE
- S01 VALVE, DRAIN, PUMP SUPPLY, NH3 STORAGE
- S01 VALVE, EXCESS FLOW, AMMONIA TANK, NH3 STORAGE
- S01 VALVE, EXCESS FLOW, PUMP RETURN, NH3 STORAGE
- S01 VALVE, EXCESS FLOW, PUMP SUPPLY, NH3 STORAGE
- S01 VALVE, EXCESS FLOW, VAPOR BALANCE, NH3 STORAGE
- S01 VALVE, FAN OUTLET, DILUTION / SEAL AIR
- S01 VALVE, FILTER UPSTREAM CONTROL
- S01 VALVE, INJECTION CONTROL
- S01 VALVE, INJECTION LIQUID LINE, HYDRO.
- S01 VALVE, INLET ISOLATION, DILUTION / SEAL AIR
- S01 VALVE, INLET ISOLATION, STEAM CONDITIONING
- S01 VALVE, ISOLATION
- S01 VALVE, ISOLATION, CONDENSATE OUTLET
- S01 VALVE, ISOLATION, LIQUID FILL, NH3 STORAGE
- S01 VALVE, ISOLATION, LIQUID FILL, NH3 STORAGE TANK
- S01 VALVE, ISOLATION, NH3 STORAGE TANK
- S01 VALVE, ISOLATION, PUMP RETURN, NH3 STORAGE
- S01 VALVE, ISOLATION, PUMP RETURN, NH3 STORAGE TANK
- S01 VALVE, ISOLATION, PUMP SUPPLY, NH3 STORAGE
- S01 VALVE, ISOLATION, PUMP SUPPLY, NH3 STORAGE TANK
- S01 VALVE, ISOLATION, STEAM CONDITIONING
- S01 VALVE, ISOLATION, VAPOR BALANCE, NH3 STORAGE
- S01 VALVE, ISOLATION, VAPOR BALANCE, NH3 STORAGE TANK
- S01 VALVE, LIQUID LINE HYDRO. RELIEF, TRUCK UNLOADING, NH3
- S01 VALVE, LIQUID LINE ISOLATION, TRUCK UNLOADING, NH3
- S01 VALVE, LIQUID PIPE, HYDRO. RELIEF, NH3 STORAGE
- S01 VALVE, OUTLET ISOLATION, DILUTION / SEAL AIR
- S01 VALVE, POPPET, RAKE SOOTBLOWER
- S01 VALVE, PRESSURE RELIEF, NH3 STORAGE TANK
- S01 VALVE, PRESSURE RELIEF, STEAM CONDITIONING
- S01 VALVE, PUMP SUPPLY, DRAIN, NH3 STORAGE
- S01 VALVE, PUMP, DISCHARGE HYDRO.
- S01 VALVE, PUMP, NH3 SUCTION INTERCONNECTING
- S01 VALVE, PUMP, RETURN HYDRO.
- S01 VALVE, PUMP, SUCTION HYDRO.
- S01 VALVE, PUMP, SUCTION ISOLATION
- S01 VALVE, RELIEF, LIQUID FILL HYDRO., NH3 STORAGE
- S01 VALVE, RELIEF, LIQUID FILL, TANK, NH3 STORAGE
- S01 VALVE, RELIEF, PUMP RETURN HYDRO., NH3 STORAGE
- S01 VALVE, RELIEF, PUMP SUPPLY HYDRO., NH3 STORAGE
- S01 VALVE, RELIEF, TANK PRESSURE, NH3 STORAGE
- S01 VALVE, RETURN HYDRO., NH3 STORAGE
- S01 VALVE, STEAM INLET, ISOLATION
- S01 VALVE, TEMPERATURE CONTROL
- S01 VALVE, TEMPERATURE CONTROL, STEAM CONDITIONING
- S01 VALVE, VAPOR BALANCE, NH3 STORAGE TANK

**312-T01**

**ADVANCED OVER-FIRED AIR**

- T01 AIR REGISTER DRIVE, BURNER

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T01 BOX, DAMPER  
T01 BOX, DAMPER DRIVE  
T01 BOX, EXPANSION JOINT  
T01 CAMS SYSTEM AUTO / ACKNOWLEDGMENT PURGE & TRANSMITTER, OFA  
T01 COAL PIPE ORIFICE  
T01 CONTROL SYSTEM, MOD BUD INTERFACE  
T01 CONTROL SYSTEM, PCS  
T01 CONTROL SYSTEM, SOFTWARE  
T01 DAMPER DRIVE, POSITION TRANSMITTER, OFA  
T01 DATA ACQUISITION SYSTEM  
T01 DUCTWORK  
T01 ECT SYSTEM  
T01 EXPANSION JOINT, SIDEWALL INJECTOR  
T01 FAN  
T01 FAN, DRIVE MOTOR  
T01 FAN, DAMPER  
T01 FAN, DAMPER DRIVE  
T01 FAN, EXPANSION JOINT  
T01 FAN, ELECTRICAL FEED BREAKER  
T01 FLOW ELEMENT, OFA  
T01 FLOW MEASUREMENT SYSTEM  
T01 FOUNDATION  
T01 HMI - OPERATOR CONSOLE  
T01 HMI - OPERATOR MONITORS  
T01 HMI - PERSONAL COMPUTERS  
T01 HMI - SOFTWARE  
T01 IGNITION GAS BLEED  
T01 IGNITION GAS BLOCK  
T01 INJECTOR, TUBEWALL PENETRATIONS, FRONTWALL  
T01 INJECTOR, TUBEWALL PENETRATIONS, SIDEWALL  
T01 OVERFIRE AIR INJECTOR, FRONTWALL INJECTOR  
T01 OVERFIRE AIR INJECTOR, SIDEWALL INJECTOR  
T01 PROBE SIGNAL PROCESSOR, C.O. MONITORING GRID  
T01 PROBE, C.O. MONITORING GRID  
T01 PROBE, O2  
T01 SPRING SUPPORT, SIDEWALL INJECTOR  
T01 STRUCTURAL STEEL

#### 312-U01

#### REID NATURAL GAS CONVERSION

U01 ELECTRICAL WIRING  
U01 FLOW REGULATOR  
U01 FLUE GAS RECIRCULATION DUCT  
U01 GAS BURNERS, DBR  
U01 GAS FLOW CONTROL VALVE, MAIN  
U01 GAS FLOW ELEMENT  
U01 GAS HOSE, FLEXIBLE  
U01 GAS PIPE  
U01 GAS PRESSURE REGULATOR VALVE, MAIN  
U01 GAS STOP VALVE, MAIN  
U01 GAS TRIFECTA VALVE ASSEMBLY  
U01 JORDAN LINEAR DRIVES  
U01 LOCAL INSTRUMENTATION  
U01 NITROGEN BLANKET, GAS PIPE  
U01 PIPE, STEEL, UNDERGROUND  
U01 PLC MODS AND PROGRAMMING  
U01 PRESSURE TRANSMITTER  
U01 SPARK RODS  
U01 TRANSMITTERS  
U01 TUBING, STAINLESS  
U01 VALVE, MANUAL STOP  
U01 VALVE, PNEUMATIC GAS CHARGING  
U01 VALVE, PNEUMATIC GAS VENT  
U01 VALVE, PRESSURE REGULATOR, MAIN

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### 312: Boiler Plant Equipment (Steam Production)

U01 VALVE, PRESSURE RELIEF  
U01 VENT PIPE

#### 312-V01 SCR - HMP&L

V01 AC INPUTS / RELAY OUTPUTS, BASE UNIT, MICRO LOGIX, PLC CONTROL  
V01 AC POWER SUPPLY, LOGIX, PLC CONTROL  
V01 AIR PREHEATER  
V01 ANALYZER, NOX  
V01 ASSEMBLY, CATALYST, CART  
V01 ASSEMBLY, CATALYST, CART TRACK  
V01 ASSEMBLY, CATALYST, SEAL PLATE  
V01 ASSEMBLY, CROSS ARM, RAKE SOOTBLOWER  
V01 ASSEMBLY, FEED TUBE, RAKE SOOTBLOWER  
V01 ASSEMBLY, HOPPER MODULE  
V01 ASSEMBLY, REACTOR  
V01 ASSEMBLY, REACTOR, TUBE BUNDLE  
V01 ASSEMBLY, RECTIFIER MODULE  
V01 BOILER BYPASS, ECONOMIZER SECTION TUBE SURFACE  
V01 BOILER BYPASS, REHEATER SECTION TUBE SURFACE  
V01 CATALYST, REACTOR  
V01 COMPUTER, CEMS  
V01 CONTROL PANEL, E-STOP, PLC  
V01 CONTROL PANEL, E-STOP, REMOTE CONTROL, PLC  
V01 CONTROL PANEL, MAIN, PLC  
V01 CPU, LOGIX, PLC CONTROL  
V01 DAMPER, DOUBLE LOUVER, BYPASS  
V01 DAMPER, FAN INLET, ID FAN  
V01 DAMPER, FAN OUTLET, ID FAN  
V01 DAMPER, GUILLOTINE INLET  
V01 DAMPER, GUILLOTINE OUTLET  
V01 DESUPERHEATER, STEAM CONDITIONING  
V01 DRIVEN COUPLING REXNORD, ID FAN AND MOTOR  
V01 DUCT, BREECHING BYPASS  
V01 DUCT, BREECHING INLET  
V01 DUCT, BREECHING OUTLET  
V01 DUCT, ECONOMIZER OUTLET  
V01 DUCT, INLET INTERIOR, ELBOW CAP  
V01 DUCT, REACTOR, PRIMARY AIR  
V01 ELEMENT, COLD END, AIRHEATER, PRIMARY  
V01 ELEMENT, COLD END, AIRHEATER, SECONDARY  
V01 ELEMENT, HOT END, AIRHEATER, PRIMARY  
V01 ELEMENT, HOT END, AIRHEATER, SECONDARY  
V01 ETHERNET ADAPTER, PLC CONTROL  
V01 ETHERNET BRIDGE, SINGLE PORT, PLC CONTROL  
V01 ETHERNET HUB, DIN-RAIL MOUNTING, PLC CONTROL  
V01 ETHERNET INTERFACE, MICRO LOGIX, PLC CONTROL  
V01 EXPANSION JOINT, AIR HEATER INLET  
V01 EXPANSION JOINT, BYPASS  
V01 EXPANSION JOINT, ECONOMIZER INLET  
V01 EXPANSION JOINT, ECONOMIZER OUTLET  
V01 EXPANSION JOINT, METALLIC, DILUTION / SEAL AIR  
V01 EXPANSION JOINT, NON-METALLIC, DILUTION / SEAL AIR  
V01 EXPANSION JOINT, OUTLET  
V01 EXPANSION JOINT, P.A. DUCT  
V01 FAN ASSEMBLY, DILUTION / SEAL AIR  
V01 FLOW ELEMENT, HEADER, STEAM CONDITIONING  
V01 FLUE GAS DUCT, BREECHING, AIR HEATER  
V01 FOUNDATIONS, AMMONIA AREA  
V01 FOUNDATIONS, ID FAN  
V01 FOUNDATIONS, SCR / DUCT  
V01 HMI - CLIENT / SERVER SOFTWARE  
V01 HMI - MONITORS


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- V01 HMI - OPERATE IT SERVERS
- V01 HMI - OPERATOR MONITORS
- V01 HMI - PERSONAL COMPUTERS
- V01 HMI - PROJECTION MONITORS
- V01 HOIST / TROLLEY, CATALYST
- V01 I/O PANEL, REMOTE CONTROL, PLC
- V01 IMPELLER, ID FAN AND MOTOR
- V01 INJECTION FLOW, CONTROL SKID
- V01 INJECTION FLOW, TRANSMITTER
- V01 INJECTION HEADER, PRESSURE TRANSMITTER
- V01 INPUT MODULE, 4 CHANNEL ANALOG, MICRO LOGIX, PLC CONTROL
- V01 INPUT MODULE, AC ISOLATION, LOGIX, PLC CONTROL
- V01 INPUT MODULE, ISOLATION, LOGIX, PLC CONTROL
- V01 INPUT MODULE, LOGIX, PLC CONTROL
- V01 INPUT MODULE, VAC, MICRO LOGIX, PLC CONTROL
- V01 INSTRUMENT AIR SYSTEM
- V01 LEAK DETECTOR, NH3
- V01 LEAK DETECTOR, TRUCK UNLOADING, NH3
- V01 LEVEL INDICATOR, NH3 STORAGE
- V01 MANIFOLD, TANK PRESSURE RELIEF, NH3 STORAGE
- V01 MONITOR, PLC CONTROL
- V01 MOTOR, ID FAN AND MOTOR
- V01 NET BRIDGE, SINGLE PORT, PLC CONTROL
- V01 NOX ANALYZER, TLI METAL BLDG.
- V01 OUTPUT MODULE, AC/DC RELAY, MICRO LOGIX, PLC CONTROL
- V01 OUTPUT MODULE, RELAY, LOGIX, PLC CONTROL
- V01 PANEL, TRUCK UNLOADING STATION, PLC CONTROL
- V01 PC, DESKTOP, PLC CONTROL
- V01 PC, DIN RAIL MOUNT INDUSTRIAL, PLC CONTROL
- V01 PIPE, LIQUID, RAILCAR UNLOADING, NH3 STORAGE
- V01 PIPE, VAPOR, RAILCAR UNLOADING, NH3 STORAGE
- V01 PIPING, DILUTION / SEAL AIR
- V01 POTABLE WATER SYSTEM
- V01 POWER SUPPLY, MICRO LOGIX, PLC CONTROL
- V01 PROBE, GAS ANALYZER, INLET, NOX
- V01 PROBE, GAS ANALYZER, OUTLET, NOX
- V01 PROCESSOR UNIT, MICRO LOGIX, PLC CONTROL
- V01 PUMP, MAGNETIC DRIVE, TEMPERATURE
- V01 PUMP, NH3
- V01 PUMP, SKID, NH3
- V01 PUMP, UPSTREAM, FILTER, NH3
- V01 REXA ACTUATOR, FAN INLET DAMPER, ID FAN
- V01 REXA ACTUATOR, FAN OUTLET DAMPER, ID FAN
- V01 ROTOR, ID FAN AND MOTOR
- V01 SCANNER, DEVICE NET, MICRO LOGIX, PLC CONTROL
- V01 SHAFT, ID FAN AND MOTOR
- V01 SKID, TRUCK UNLOADING, NH3
- V01 SLOT CHASSIS, LOGIX 13, PLC CONTROL
- V01 SLOT FILLER MODULE, PLC CONTROL
- V01 SOOTBLOWER PANEL, PLC CONTROL
- V01 SOOTBLOWER, RAKE
- V01 STEAM COIL, PREHEATER, DILUTION / SEAL AIR
- V01 STORAGE TANK, NH3 AMMONIA
- V01 STRUCTURAL STEEL, AMMONIA AREA
- V01 STRUCTURAL STEEL, SCR / DUCT
- V01 TERMINAL BLOCK, REMOVABLE, LOGIX, PLC CONTROL
- V01 TERMINATOR, LEFT END CAP, MICRO LOGIX, PLC CONTROL
- V01 TERMINATOR, RIGHT END CAP, MICRO LOGIX, PLC CONTROL
- V01 TOUCH SCREEN, FLAT PANEL, PLC CONTROL
- V01 TRANSMITTER, AIR HEADER, FLOW
- V01 TRANSMITTER, LEVEL, NH3 STORAGE
- V01 TRANSMITTER, PRESSURE, NH3 STORAGE
- V01 TRANSMITTER, PRESSURE, NH3 STORAGE TANK

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V01 TRANSMITTER, TEMPERATURE, NH3 STORAGE  
V01 VALVE, BALANCING  
V01 VALVE, CHECK, CONDENSATE OUTLET  
V01 VALVE, CHECK, LIQUID FILL, NH3 STORAGE  
V01 VALVE, DRAIN, PUMP SUPPLY, NH3 STORAGE  
V01 VALVE, EXCESS FLOW, AMMONIA TANK, NH3 STORAGE  
V01 VALVE, EXCESS FLOW, PUMP RETURN, NH3 STORAGE  
V01 VALVE, EXCESS FLOW, PUMP SUPPLY, NH3 STORAGE  
V01 VALVE, EXCESS FLOW, VAPOR BALANCE, NH3 STORAGE  
V01 VALVE, FAN OUTLET, DILUTION / SEAL AIR  
V01 VALVE, FILTER UPSTREAM CONTROL  
V01 VALVE, INJECTION CONTROL  
V01 VALVE, INJECTION LIQUID LINE, HYDRO.  
V01 VALVE, INLET ISOLATION, DILUTION / SEAL AIR  
V01 VALVE, INLET ISOLATION, STEAM CONDITIONING  
V01 VALVE, ISOLATION  
V01 VALVE, ISOLATION, CONDENSATE OUTLET  
V01 VALVE, ISOLATION, LIQUID FILL, NH3 STORAGE  
V01 VALVE, ISOLATION, LIQUID FILL, NH3 STORAGE TANK  
V01 VALVE, ISOLATION, NH3 STORAGE TANK  
V01 VALVE, ISOLATION, PUMP RETURN, NH3 STORAGE  
V01 VALVE, ISOLATION, PUMP RETURN, NH3 STORAGE TANK  
V01 VALVE, ISOLATION, PUMP SUPPLY, NH3 STORAGE  
V01 VALVE, ISOLATION, PUMP SUPPLY, NH3 STORAGE TANK  
V01 VALVE, ISOLATION, STEAM CONDITIONING  
V01 VALVE, ISOLATION, VAPOR BALANCE, NH3 STORAGE  
V01 VALVE, ISOLATION, VAPOR BALANCE, NH3 STORAGE TANK  
V01 VALVE, LIQUID LINE HYDRO. RELIEF, TRUCK UNLOADING, NH3  
V01 VALVE, LIQUID LINE ISOLATION, TRUCK UNLOADING, NH3  
V01 VALVE, LIQUID PIPE, HYDRO. RELIEF, NH3 STORAGE  
V01 VALVE, OUTLET ISOLATION, DILUTION / SEAL AIR  
V01 VALVE, POPPET, RAKE SOOTBLOWER  
V01 VALVE, PRESSURE RELIEF, NH3 STORAGE TANK  
V01 VALVE, PRESSURE RELIEF, STEAM CONDITIONING  
V01 VALVE, PUMP SUPPLY, DRAIN, NH3 STORAGE  
V01 VALVE, PUMP, DISCHARGE HYDRO.  
V01 VALVE, PUMP, NH3 SUCTION INTERCONNECTING  
V01 VALVE, PUMP, RETURN HYDRO.  
V01 VALVE, PUMP, SUCTION HYDRO.  
V01 VALVE, PUMP, SUCTION ISOLATION  
V01 VALVE, RELIEF, LIQUID FILL HYDRO., NH3 STORAGE  
V01 VALVE, RELIEF, LIQUID FILL, TANK, NH3 STORAGE  
V01 VALVE, RELIEF, PUMP RETURN HYDRO., NH3 STORAGE  
V01 VALVE, RELIEF, PUMP SUPPLY HYDRO., NH3 STORAGE  
V01 VALVE, RELIEF, TANK PRESSURE, NH3 STORAGE  
V01 VALVE, RETURN HYDRO., NH3 STORAGE  
V01 VALVE, STEAM INLET, ISOLATION  
V01 VALVE, TEMPERATURE CONTROL  
V01 VALVE, TEMPERATURE CONTROL, STEAM CONDITIONING  
V01 VALVE, VAPOR BALANCE, NH3 STORAGE TANK

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**314: Turbogenerator Units (Steam Production)**

**314-A01**

**EQUIPMENT, STARTING AND TURNING**

- A01 PANEL, TURBINE START UP
- A01 TURNING GEAR, TURBINE

**314-A02**

**EXCITATION SYSTEM**

- A02 EXCITER
- A02 GENERATOR EXCITATION SYSTEM
- A02 GENERATOR, VOLTAGE REGULATOR, CONTROL SYSTEM
- A02 MOTOR, TURNING GEAR TURBINE EXCHANGER END
- A02 VOLTAGE REGULATOR

**314-A03**

**FOUNDATION - TURBOGENERATOR INSTAL**

- A03 FOUNDATION, CONCRETE, TURBINE MAT & PEDESTAL
- A03 FOUNDATION, EXCITER
- A03 FOUNDATION, GENERATOR
- A03 FOUNDATION, TURBINE

**314-A04**

**GENERATOR - TURBOGENERATOR INSTAL**

- A04 CONDENSER, VACUUM PUMP
- A04 DRYER, HYDROGEN
- A04 GENERATOR, HYDROGEN COOLERS
- A04 GENERATOR, ROTOR
- A04 GENERATOR, ROTOR, WEDGING
- A04 GENERATOR, STATOR
- A04 GENERATOR, STATOR, WEDGING
- A04 RELAY, SYNCHRONIZED, CHECK, GENERATOR
- A04 TURBINE SEAL OIL UNIT

**314-A05**

**GOVERNOR CONTROL SYSTEM**

- A05 CONTROL SYS, AUTOMATIC GENERATION
- A05 DCS TURBINE CONTROLS
- A05 ELECTRO HYDRAULIC CONTROL, PIPING SYSTEM
- A05 PRESSURE PUMP, ELECTRO-HYDRAULIC TURBINE

**314-A06**

**REMOTE CONTROL RHEOSTAT & FIELD SWITCH**


- A06 COMPUTER
- A06 COMPUTER, DATA LOGGER
- A06 GENERATOR LOAD FREQUENCY CONTROL UNIT
- A06 GENERATOR, CURRENT TRANSFORMERS
- A06 SOFTWARE

**314-A08**

**TURBINE - TURBOGENERATOR INSTAL**

- A08 COMPUTER, TURBINE MONITOR
- A08 ENCLOSURE, TURBINE
- A08 ENCLOSURE, TURBINE, HP
- A08 ENCLOSURE, TURBINE, LP
- A08 POWER SUPPLY, TURBINE SYSTEM
- A08 SOFTWARE
- A08 TURBINE
- A08 TURBINE, BEARINGS
- A08 TURBINE, BLADE RING
- A08 TURBINE, BLADE ROW
- A08 TURBINE, BUCKET
- A08 TURBINE, CONTROL STAGE BLADES
- A08 TURBINE, DIAPHRAGM
- A08 TURBINE, ROTOR
- A08 TURBINE, SEAL SET
- A08 TURBINE, SHELL
- A08 TURBINE, TRIP SYSTEM

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### **314: Turbogenerator Units (Steam Production)**

#### **314-A09**

##### **TURBINE STANDS AND TOOLS**

A09 CYLINDERS, WALKING BEAMS  
A09 RACKS, REHEAT DIAPHRAGM  
A09 SLINGS, TURBINE OUTAGES  
A09 STAND, TURBINE

#### **314-B01**

##### **AIR EJECTOR APPARATUS FOR ONE CONDENSER**

B01 CIRCULATING WATER ELECTRICAL SYSTEM, MAIN CONDENSER  
B01 EJECTOR, STARTING  
B01 EXHAUSTER, AIR

#### **314-B02**

##### **CONDENSER SHELL**

B02 CONDENSER  
B02 CONDENSER SHELL

#### **314-B03**

##### **CONDENSER TUBES AND SHEETS**

B03 GLAND AIR EXHAUSTER BLOWER  
B03 CONDENSER TUBE SHEETS  
B03 CONDENSER TUBES  
B03 CONDENSER, TURBINE  
B03 CONDENSER, TURBINE GLAND AIR EXHAUSTER  
B03 CONDENSER, TURBINE GLAND STEAM  
B03 CONDENSER, TURBINE, HOT WELL  
B03 SOFTWARE, PROGRAM CONTROL

#### **314-B04**

##### **CONDENSER TUBE PROTECTIVE SYSTEM**

B04 ANALYZER, SILICA  
B04 CATHODIC PROTECTION SYSTEM  
B04 CHLORINATOR  
B04 CHLORINE PIPING  
B04 CONTROL, PH, ACID INJECTION SYSTEM, COOLING TOWER  
B04 HOIST, ELECTRIC CHLORINE  
B04 PIPING SYSTEM, CHLORINE  
B04 FLOWMETER  
B04 VACUUM, REGULATOR, CHLORINE

#### **314-B05**

##### **CONDENSER TUBE CLEANING SYSTEM**


B05 TUBE CLEANING MACHINE, AIR POWERED  
B05 TUBE CLEANING MACHINE, CRIMPING TOOL

#### **314-B06**

##### **COOLING TOWER**

B06 CIRCULATING WATER ELECTRICAL SYSTEM  
B06 CIRCULATING WATER, PIPING SYSTEM  
B06 CONTROL SYSTEM, BLOWDOWN, COOLING TOWER  
B06 COOLING TOWER  
B06 COOLING TOWER STRUCTURAL STEEL FOUNDATIONS  
B06 COOLING TOWER, CONCRETE PLACEMENT, FOUNDATION  
B06 COOLING TOWER, CONTROLS  
B06 COOLING TOWER, DECK  
B06 COOLING TOWER, DELUGE SYSTEM PIPING  
B06 COOLING TOWER, ELECTRICAL BUILDING  
B06 COOLING WATER, PIPING SYSTEM  
B06 FAN, COOLING TOWER  
B06 FIRE PROTECTION, COOLING TOWER  
B06 FLOWMETER, COOLING TOWER MAKEUP  
B06 FLOWMETER, COOLING TOWER BLOWDOWN  
B06 FLOWMETER, RIVER WATER CIRCULATION  
B06 GAUGE ASSEMBLY FOR COOLING TOWER CHEM TRTMT  
B06 GEAR REDUCER, COOLING TOWER FAN

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- B06 HEAT EXCHANGER, CLOSED COOLING WATER
- B06 REGULATOR, CHLORINATION
- B06 VALVE, MAKE-UP CROSSTIE, COOLING WATER TOWER
- B06 VALVE, MAKE-UP PUMP SUCTION

**314-B07**

**FAN - COOLING WATER SYSTEM**

**314-B08**

**INTAKE SCREEN AND MECHANISM**

- B08 ALARM, SCREEN WASH DIFFERENTIAL W/INDICATORS
- B08 BAR SCREEN, INTAKE
- B08 COMPRESSOR, INTAKE STRUCTURE AIR
- B08 CONTROL SYSTEM
- B08 CONTROLLER, ADJUST FREQUENCYA/C
- B08 GATES, SLUICE, INTAKE STRUCTURE
- B08 HYDRAULIC UNIT FOR TRAVERSING TRASH RAKE
- B08 INTAKE TRASH BOOM
- B08 LUBRICATOR, MOBILE HIGH PRESSURE
- B08 MOTOR, TRAVELING WATER SCREENS
- B08 PIPING, INTAKE, WATER
- B08 REDUCER, TRAVELING WATER SCREENS
- B08 RIVER INTAKE STRUCTURE-FIXTURES, CONDUIT, WIRING
- B08 RIVER WATER INTAKE BUILDING ENCLOSURE, WALLS, DOORS
- B08 RIVER WATER INTAKE STRUCTURE-CONCRETE
- B08 RIVER WATER INTAKE STRUCTURE-EXCAVATION
- B08 RIVER WATER INTAKE STRUCTURE-PILINGS
- B08 RIVER WATER INTAKE STRUCTURE-RIP RAP
- B08 RIVER WATER INTAKE STRUCTURE-STEEL
- B08 SODIUM BROMIDE INJECTION SYS, RIVER CLARIFIER
- B08 SUPERVISORY CONTROL, REMOTE, INTAKE
- B08 TRAVELING WATER SCREENS
- B08 WASH SCREEN CHAIN BELT

**314-B09**

**PUMPS - COOLING WATER SYSTEM**

- B09 CIRCULATING WATER PUMP
- B09 CIRCULATING WATER PUMP, MOTOR
- B09 CONDENSATE PUMP PIT
- B09 ELECTRIC WATER TREATMENT, MAGNET
- B09 FOUNDATION, CONCRETE, CIRCULATING WATER SYS
- B09 MOTOR, PUMP
- B09 PUMP, GENERAL

**314-B10**

**SPRAYING SYSTEM**

- B10 FIRE PROTECTION

**314-B11**

**TANKS - COOLING WATER SYSTEM**

- B11 COOLING TOWER TANK
- B11 HOPPER
- B11 TANK
- B11 TANK, CLOSED COOLING WATER CHEMICAL
- B11 TANK, CONDENSATE RETURN
- B11 TANK, COOLING WATER SURGE
- B11 TANK, ELECTRIC HOT WATER
- B11 TANK, MIX & STORAGE
- B11 TANK, RIVER WATER SERVICE BLDG DRAIN

**314-B12**

**VALVE, ATMOSPHERIC RELIEF**

- B12 VALVE, COIL, AUTO TEMP CONTROL, WATER SAMPLER
- B12 VALVE, DECK, W/OPERATORS, CONDENSERS
- B12 VALVE, SEAL OIL REGULATING

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### 314: Turbogenerator Units (Steam Production)

#### 314-D01

##### ACCUMULATOR - CENTRAL LUBRICATING SYSTEM

D01 ACCUMULATOR  
D01 FLUID SUPPLY SYSTEM, TURBINE  
D01 PIPING SYSTEM, TURBINE  
D01 TURBINE, HP & LP FEEDWATER GENERATOR COUPLINGS

#### 314-D02

##### COOLER - CENTRAL LUBRICATING SYSTEM

D02 COMPRESSOR, AIR AC  
D02 COOLERS, OIL  
D02 HEATER, LUBE OIL  
D02 LUBE OIL COOLER TUBESET  
D02 OIL COOLER ASSEMBLY, TURBINE  
D02 OIL VAPOR EXTRACTOR, TURBINE

#### 314-D03

##### PUMPS - CENTRAL LUBRICATING SYSTEM

D03 PUMP, BEARING LIFT, TURBINE  
D03 PUMP, BEARING OIL, TURBINE  
D03 PUMP, GEAR LUBE TRANSFER  
D03 PUMP, LUBE OIL FILTER  
D03 PUMP, LUBE OIL TRANSFER  
D03 PUMP, TURBINE, SEAL OIL BACKUP

#### 314-D04

##### PURIFIER OR FILTER - CENTRAL LUBRICATING SYSTEM

D04 CONDITIONER, LUBE OIL  
D04 FILTRATION SYSTEM, LUBE OIL, TURBINE  
D04 INDICATOR, LUBE OIL SIGHT FLOW  
D04 LUBE OIL & PURIFICATION, PIPING SYSTEM  
D04 TURBINE LUBE OIL PURIFICATION-CONTROLS

#### 314-D05

##### TANKS - CENTRAL LUBRICATING SYSTEM

D05 DEMISTER, OIL VAPOR  
D05 RESERVOIR, TURBINE OIL  
D05 TANK, AUX LUBE OIL TRANSFER SYSTEM  
D05 TANK, CLEAN LUBE OIL  
D05 TANK, DIRTY LUBE OIL  
D05 WELL, THERMAL, W/HEATING ELEMENTS

#### 314-E01

##### PANELS - INSTRUMENTS AND METERS

E01 BOARD, TURBINE INSTRUMENT  
E01 CONSOLE, ELECTRO HYDRAULIC CONTROL  
E01 CONTROL BOARDS, CABINETS, RACKS  
E01 PANEL, TURBINE SUPERVISORY INSTRUMENT  
E01 PANEL, TURBINE CONTROL POWER DISTRIBUTION

#### 314-E02

##### RECORDING AND INDICATING DEVICES

E02 ALARM SYSTEM, CHLORINE  
E02 ANALYZER, GAS, THERMAL CONDUCTIVITY  
E02 ANALYZER, HYDROGEN  
E02 ANALYZER, MOISTURE, HYDROGEN GAS GENERATOR  
E02 ANALYZER, TURBINE VIBRATION  
E02 ANNUNCIATOR  
E02 CONTROL BOARD, W/ANNUNCIATOR  
E02 CONTROL SYSTEM  
E02 DETECTOR, CURRENT / CONTROLLER  
E02 DETECTOR, LEAK  
E02 FREQUENCY DIGITAL DISPLAY & INTERFACE  
E02 INDICATOR, HYDROGEN PURITY  
E02 FLOW METER  
E02 MONITOR, DISPLAY

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**314: Turbogenerator Units (Steam Production)**

- E02 MONITOR, GENERATOR CONDITION
- E02 MONITOR, TURBINE HYDRO DEW PT
- E02 MONITORING SYSTEM, VIBRATION
- E02 PROBE, TEMP, BEARING
- E02 RECORDER, CHART
- E02 RECORDER, MICRO W/ALARM, CONDENSATE FLOW
- E02 RECORDER, TEMPERATURE, GENERATOR
- E02 RECORDER, VIDEO GRAPHIC
- E02 SAMPLE CELL
- E02 SCALE, ELECTRIC
- E02 SIMULATOR, TURBINE CONTROLS
- E02 SUPERVISORY, TURBINE
- E02 TACHOMETER, (OVERSPEED TURBINE CHECKS)
- E02 TERMINAL, TURBINE CONTROL
- E02 TRANSDUCER, FREQ DEVIATION
- E02 TRANSMITTER, CONDUCTIVITY & SENSOR
- E02 TRANSMITTER, PRESSURE
- E02 TYPEWRITER, TURBINE CONTROLS

**314-F02**

**PIPING BETWEEN ONE OR MORE UNITS & A HEADER**

- F02 AIR VACUUM PIPE LINE SYSTEM
- F02 BLEED STEAM PIPING SYSTEM
- F02 CHLORINE PIPING SYSTEM
- F02 CIRCULATING WATER EFFLUENT LINE
- F02 CIRCULATING WATER INFLUENT LINE
- F02 CIRCULATING WATER PIPING SYS.-INSTRUMENT CONTROLS
- F02 CIRCULATING WATER PIPING SYSTEM
- F02 CONDENSATE, AUXILIARY, PIPING SYSTEM
- F02 CONDENSATE, PIPING SYSTEM
- F02 COOLING WATER PIPING SYS.-INSTRUMENT CONTROLS
- F02 COOLING WATER PIPING, CLOSED AND DIRECT
- F02 DRAIN LINE, BEARING
- F02 HYDROGEN PIPING SYSTEM
- F02 HYDROGEN SEAL OIL/FIRE PROTECTION, PIPING SYSTEM
- F02 LUBE OIL PIPING SYSTEM
- F02 PIPING SYSTEM, TURBINE PLANT
- F02 POTABLE WATER PIPING SYSTEM
- F02 RIVER WATER PIPING SYS.-INSTRUMENT CONTROLS
- F02 RIVER WATER PIPING SYSTEM
- F02 RIVER WATER, TURBINE, PIPING SYSTEM
- F02 SEAL OIL PIPING SYSTEM
- F02 STEAM, GLAND, PIPING SYSTEM
- F02 TURBINE MAIN STEAM PIPING LEADS-STEAM TEMP.CONTROL
- F02 VENT AND DRAIN PIPING SYSTEM, TURBINE

**314-F03**

**PIPING BETWEEN TWO OR MORE UNITS**

- F03 AIR EXTRACTION PIPING SYSTEM
- F03 BLEED SYSTEM PIPING SYSTEM
- F03 CARBON DIOXIDE PIPING SYSTEM
- F03 CHLORINE PIPING SYSTEM
- F03 CIRCULATING WATER PIPING SYSTEM
- F03 CONDENSATE SYSTEM W/VALVES, PIPING SYSTEM
- F03 CONDENSATE, AUXILIARY, PIPING SYSTEM
- F03 HYDROGEN SEAL OIL PIPING, PIPING SYSTEM
- F03 HYDROGEN SYSTEM PIPING SYSTEM
- F03 PIPING SYSTEM, CONDENSER SUMP PUMPS

**314-F04**

**STEAM SEPARATOR OR PURIFIER**

- F04 TANK, VACUUM SYSTEM SEPARATOR

**314-F07**

**VALVES - OVER 2" AND COSTING \$1000 EACH**

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### 314: Turbogenerator Units (Steam Production)

F07 CONDENSOR, VALVE, ACCUATOR  
F07 VALVE  
F07 VALVE, AIR EXTRACTION PIPING SYSTEM  
F07 VALVE, AUXILIARY CIRCULATING WATER  
F07 VALVE, BY-PASS  
F07 VALVE, CHECK  
F07 VALVE, CHEST, STEAM TURBINE  
F07 VALVE, CIRCULATING WATER  
F07 VALVE, CLARIFIER INLET  
F07 VALVE, COMBINED REHEAT  
F07 VALVE, CONTROL  
F07 VALVE, CONTROL, HYDROGEN SEAL OIL COOLER  
F07 VALVE, COOLING TOWER MAKEUP, BUTTERFLY VALVE  
F07 VALVE, DISC, STEAM  
F07 VALVE, DUPLEX  
F07 VALVE, GLAND SYSTEM BYPASS  
F07 VALVE, GLAND SYSTEM SHUTOFF  
F07 VALVE, ISOLATION, RECIRCULATING LINE INTAKE  
F07 VALVE, MAKE-UP CLARIFIER  
F07 VALVE, PARTITION, W/OPERATOR  
F07 VALVE, PILOT  
F07 VALVE, REHEAT STOP  
F07 VALVE, SEQ, TURBINE  
F07 VALVE, SHUTOFF, GLAND SYS  
F07 VALVE, STEAM  
F07 VALVE, THROTTLE  
F07 VALVE, TURBOGENERATOR  
F07 VALVE, UNLOADER, TURBINE  
F07 VALVE, VACUUM BREAKER  
F07 VALVE, WATER REGULATOR

#### 314-G01

#### CRANE FOR TURBOGENERATOR UNIT

G01 CRANE, CIRCULATING WATER PUMP  
G01 CRANE, INTAKE, GANTRY  
G01 CRANE, TURBINE

#### 314-G02

#### HOIST

G02 BRAKE, AUXILIARY HOIST  
G02 BRAKE, BRIDGE DRIVE  
G02 BRAKE, MAIN HOIST  
G02 BRAKE, TROLLEY DRIVE  
G02 BRIDGE DRIVE, REDUCER/MOTOR  
G02 GEAR BOX, AUXILIARY HOIST  
G02 GEAR BOX, MAIN HOIST W/REULAND MOTOR  
G02 HOIST, CHLORINE DRUM  
G02 HOIST, RIVER WATER CHLORIN INTAKE  
G02 MOTOR, AUXILIARY HOIST  
G02 MOTOR, AUXILIARY HOIST INCHING  
G02 MOTOR, BRIDGE DRIVE  
G02 MOTOR, HOIST  
G02 MOTOR, HOIST INCHING  
G02 MOTOR, TROLLEY DRIVE  
G02 REDUCER, AUXILIARY  
G02 TROLLEY DRIVE REDUCER, WMTR

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### 315: Accessory Electric Equipment (Steam Production)

#### 315-001

##### AIR DUCT SYSTEM

- 001 ISOLATED PHASE BUS DUCT
- 001 POWER DUCT BANK WIRING

#### 315-002

##### AUXILIARY GENERATOR SET

- 002 FEED SYSTEM, POWER, AUXILIARY
- 002 GENERATOR SET, DIESEL
- 002 GENERATOR SWITCHGEAR, DIESEL
- 002 GENERATOR, CONNECTOR
- 002 PANEL, POWER
- 002 PIPE HEATING EQUIPMENT
- 002 RELAY, PROTECTIVE, AUX TRANSFORMER
- 002 RELAY, PROTECTIVE, DIGITAL
- 002 SUBSTATION
- 002 UNINTERRUPTIBLE POWER SUPPLY, SOLID STATE CONTROL

#### 315-003

##### BATTERY CHARGING SET

- 003 BATTERY CHARGER

#### 315-005

##### CONDENSER, SYNCHRONOUS

- 005 COMPRESSOR, START-UP AIR

#### 315-006

##### CONTROL INSTALLATION, SYSTEM OPERATORS

- 006 CONTROLLER, PROGRAMMABLE LOGIC (PLC)
- 006 LOAD CENTER
- 006 MOTOR CONTROL CENTER
- 006 REMOTE CONTROLS FOR SWITCHGEAR & AUXILIARY EQUIP.

#### 315-007

##### CONVERTER, SYNCHRONOUS OR ROTARY

- 007 INVERTER

#### 315-009

##### FAN OR BLOWER

- 009 FAN

#### 315-010

##### FOUNDATION EQUIPMENT

- 010 CONDUIT
- 010 FOUNDATION, START UP TRANSFORMER
- 010 FOUNDATION, STATION SERVICE TRANSFORMER

#### 315-014

##### GENERATOR VOLTAGE REGULATOR SYSTEM

- 014 ENCLOSURE, REGULATOR, VOLTAGE
- 014 MOTOR CONTROL CENTER
- 014 POWER SUPPLY, VOLTAGE REGULATOR
- 014 PROTECTIVE RELAYING SYSTEM ON GENERATOR
- 014 REGULATOR, ELECTRIC, VOLTAGE
- 014 RELAYING SYSTEM, PROTECTIVE, GENERATOR

#### 315-017

##### OIL CIRCUIT BREAKER


- 017 CIRCUIT BREAKER, LINE POWER
- 017 CIRCUIT BREAKER, TRIP

#### 315-018

##### PANELS DEVOTED TO A SINGLE PURPOSE

- 018 BENCHBOARD, DUPLEX
- 018 CABINET, FIRE PROTECTION CONTROL
- 018 CABINET, POWER DISTRIBUTION
- 018 CABINET, TEST
- 018 MOTOR CONTROL CENTER

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**315: Accessory Electric Equipment (Steam Production)**

- 018 PANEL
- 018 PANEL, CONTROL
- 018 PANEL, TRANSDUCER
- 018 SWITCHBOARD, CONTROL

**315-019**

**REACTOR OR RESISTOR**

- 019 RESISTOR

**315-022**

**STORAGE BATTERY, STATION CONTROL**

- 022 BATTERIES, STATION SERVICE
- 022 BATTERY, CONTROL
- 022 CABINET, BATTERY CONTROL
- 022 INVERTER
- 022 PANEL, POWER
- 022 POWER CENTER
- 022 RACK, BATTERY

**315-023**

**DISCONNECTING SWITCHES**

- 023 BREAKER, MAIN AUX TRANSFER
- 023 CIRCUIT BREAKER
- 023 CIRCUIT BREAKER, AIR
- 023 CIRCUIT BREAKER, POWER
- 023 STARTER, MOTOR
- 023 STARTER, SWITCH
- 023 STATION BUS, ISOLATED PHASE BUS DUCT
- 023 SWITCH, DISCONNECT
- 023 SWITCH, HIGH SPEED TRANSFER
- 023 SWITCH, INDOOR
- 023 SWITCH, OUTDOOR
- 023 SWITCHES, FIRE ALARM TEMPERATURE
- 023 SWITCHGEAR

**315-024**

**TESTING EQUIPMENT**


- 024 GAUGE, DEAD WEIGHT
- 024 MEGGER, BIDDLE
- 024 METER, KWH
- 024 MOTOR & PHASE ROTATION TESTER
- 024 OHMMETER
- 024 OSCILLOSCOPE
- 024 SEMICONDUCTOR CURVE TRACER
- 024 TESTER, HYPOTS, PORTABLE
- 024 TESTING EQUIPMENT

**315-025**

**TRANSFORMER, NOT ACCESSORY TO A PANEL**

- 025 CCVT
- 025 METER
- 025 METER, START-UP WATTHOUR
- 025 PANEL, RELAY, AUX TRANSFORMER
- 025 RELAY
- 025 RELAY, PROTECTIVE
- 025 SPRINKLER SYSTEM, FIRE WALLS, TRANSFORMERS
- 025 SUBSTATION, UNIT
- 025 TRANSFORMER
- 025 TRANSFORMER, DRY OUTDOOR
- 025 TRANSFORMER, ELECTRIC MOTORS
- 025 TRANSFORMER, OIL
- 025 TRANSFORMER, PAD MOUNTED
- 025 TRANSFORMER, SPARE POWER
- 025 TRANSFORMER, START-UP
- 025 TRANSFORMER, STATION AUXILIARY

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**315: Accessory Electric Equipment (Steam Production)**

**315-026**

**TRUCK SWITCH, WITH WIRING**

026 SWITCH, AUTO TRANSFER

**315-027**

**WIRING POWER, BUS, WIRES, CABLES**

027 6.9 KV FEED  
027 BREAKER, SWITCHGEAR  
027 BUS DUCT  
027 BUS WIRING POWER SYSTEM  
027 BUS, UNIT SUBSTATION  
027 CABLE  
027 CABLE TRAYS  
027 CABLE, CONTROL  
027 CABLE, INSTRUMENT  
027 CABLE, POWER  
027 CABLE, UNDERGROUND, W/TRENCH  
027 CONDUIT  
027 CONDUIT, CONTROL AND FITTINGS  
027 CONDUIT, POWER AND FITTINGS  
027 COMPUTER, NETWORK POWER SYSTEM  
027 DUCT BANKS  
027 DUCT, ISOLATED PHASE BUS  
027 DUCT, PHASE BUS, NON SEGREGATED  
027 EMERGENCY, AC POWER SYSTEM MODIFICATION  
027 GENERATOR, ISOLATED BUS  
027 GROUNDING SYSTEM  
027 JM RELAY  
027 MANHOLES  
027 PANEL, DISTRIBUTION  
027 SWITCH, GEAR  
027 SWITCH, GEAR-BUS

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**341: Structures and Improvements (Combustion Turbine)**

- 341-002**  
**STRUCTURE**  
002 OIL RETENTION & WATER DRAINAGE SYSTEM
- 341-004**  
**HVAC-AIR CONDITIONING SYSTEM**  
004 HVAC, BATTERY ROOM
- 341-030**  
**FENCE**  
030 FENCE  
030 FENCE, GROUNDING
- 341-035**  
**ROAD**  
035 ROAD PAVING
- 341-039**  
**WALKS**  
039 SIDE WALK
- 341-041**  
**YARD DRAINAGE SYSTEM**  
041 YARD DRAINAGE SYSTEM
- 341-042**  
**YARD LIGHTING SYSTEM**  
042 LIGHT, SECURITY
- 341-043**  
**FUEL OIL DIKE**  
043 DIKE, FUEL OIL
- 341-044**  
**STAIRS & WALKWAYS**  
044 STAIRS, FUEL OIL DIKE  
044 WALKWAYS
- 341-045**  
**ROCK SURFACE**  
045 DIKE, FUEL OIL CRUSHED ROCK  
045 FUEL OIL UNLOADING PUMP CRUSHED ROCK  
045 HOLDING POND CRUSHED ROCK  
045 RAILROAD CAR AREA, CRUSHED ROCK  
045 ROCK, CRUSHED, GAS TURBINE AREA  
045 TRUCK UNLOADING AREA CRUSHED ROCK
- 341-046**  
**GUARD POSTS**  
046 GUARD POSTS
- 341-047**  
**HOLDING PONDS**  
047 HOLDING POND
- 341-048**  
**PAVEMENT**  
048 PAVEMENT AROUND TURBINE
- 341-049**  
**SIDING**  
049 EXTERIOR SIDING
- 341-050**  
**GRADING, LANDSCAPE, SEEDING, ETC.**  
050 SEEDING & STERILENT  
050 SITE GRADING

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**342: Fuel holders, producers, and accessories (Combustion Turbine)**

**342-A02**

**FOUNDATIONS, MAIN STORAGE TANK, SUPPORTS**

A02 FOUNDATION, FUEL OIL TANK

**342-A03**

**HVAC-HEATER, NOT A PART OF TANK**

A03 HEATER, FUEL FORWARDING UNIT

**342-A04**

**METER, FUEL OIL**

A04 METER, FUEL FORWARDING UNIT

A04 METER, FUEL OIL FLOW

**342-A05**

**PIPING SYSTEM, FUEL OIL, INCLUDING STRAINERS**

A05 FLOW DIVIDER, FUEL FORWARDING UNIT

A05 FUEL OIL PIPING SYSTEM

**342-A06**

**PUMP**

A06 PUMP, FUEL FORWARDING UNIT

A06 PUMP, FUEL OIL TANK

A06 PUMP, FUEL OIL, UNLOADING

A06 TANK, CONTAINMENT BASIN

A06 TANK, FUEL OIL

**342-A07**

**PURIFIER (FILTERS, CENTRIFUGES, ETC.)**

A07 FILTER, FUEL

A07 FILTER, FUEL, LOW PRESSURE

**342-A08**

**TANK, MAIN STORAGE, INCLUDING FIRE PROTECTION**

A08 LUBE OIL STORAGE SYSTEM

A08 TANK, FUEL OIL

**342-A09**

**FUEL OIL UNLOADING SYSTEM**

A09 FUEL OIL UNLOADING STATION

**342-F01**

**REID CT NATURAL GAS CONVERSION**

F01 CABLE

F01 CABLE, FIBER OPTIC

F01 FILTER, COALESCING

F01 FLOW REGULATOR

F01 HEAT TRACE

F01 LOCAL INSTRUMENTATION

F01 ODORIZER WITH CONTROLS

F01 PIPE, STEEL, UNDERGROUND

F01 PRESSURE TRANSMITTER

F01 PVC CONDUIT

F01 REMOTE COMMUNICATIONS

F01 STEAM GAS HEATER

F01 TRANSFORMER

F01 TUBING, STAINLESS

F01 VALVE, MANUAL STOP

F01 VALVE, PRESSURE RELIEF

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**343: Prime Movers (Combustion Turbine)**

**343-A02  
ENGINE**

A02 COMBUSTION CHAMBER  
A02 ENGINE

**343-A03  
FOUNDATIONS**

A03 ENCLOSURE, ACCESSORY COMPARTMENT AND BASE  
A03 ENGINE COMPARTMENT FIRE PROTECTION  
A03 ENGINE FOUNDATION  
A03 ENGINE SKID AND ENCLOSURE  
A03 FAN, ACCESSORY COMPARTMENT VENT  
A03 FIRE PROTECTION, ACCESSORY-COMPARTMENT  
A03 SPACE HEATER, ACCESSORY COMPARTMENT  
A03 SPACE HEATER, ENGINE COMPARTMENT

**343-A05  
GOVERNOR & CONTROL SYSTEM**

A05 ENCLOSURE, CONTROL CAB  
A05 GOVERNOR/CONTROL SYSTEM  
A05 HVAC, A/C, CONTROL CAB  
A05 SPACE HEATER, CONTROL CAB

**343-A07  
SIGNAL & ALARM SYSTEM**

A07 SIGNAL AND ALARM SYSTEM

**343-B01  
COOLER**

B01 COOLER, LUBRICANT

**343-B02  
PIPING SYSTEM, OIL**

B02 LUBRICANT PIPING SYSTEM

**343-B03  
PUMP**

B03 PUMP, AUXILIARY  
B03 PUMP, EMERGENCY  
B03 PUMP, MAIN SHAFT DRIVEN

**343-B04  
PURIFIER OR FILTER**

B04 ELIMINATOR, MIST  
B04 FILTER, LUBE OIL PURIFIER

**343-B05  
TANK**

B05 TANK, LUBE OIL

**343-C01  
COOLING TOWER**

C01 COOLING TOWER FOUNDATION  
C01 COOLING TOWER FREEZE PROTECTION AND SILENCING  
C01 FAN, COOLING TOWER, WATER COOLING  
C01 TANK, COOLING TOWER SURGE

**343-C04  
HEAT EXCHANGER**

C04 HEAT EXCHANGER, COOLING TOWER

**343-C07  
PUMP**


C07 PUMP, COOLING WATER

**343-D01  
COMPRESSOR**

D01 COMPRESSOR, STARTING SYSTEM

**343-D04**

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**343: Prime Movers (Combustion Turbine)**

**MOTOR TURNING GEAR & MECHANICS**

D04 CLUTCH  
D04 CONVERTER, TORQUE  
D04 GEAR, MOTOR STARTING TURNING  
D04 INPUT GEAR  
D04 MOTOR, CRANKING  
D04 OUTPUT GEAR  
D04 TURNING GEAR AND COUPLING

**343-E01**

**AIR DUCT SYSTEM**

E01 DUCT, EXHAUST  
E01 DUCTING, AIR INLET

**343-E02**

**AIR FILTER OR SCREEN**

E02 AIR COMPRESSOR, ATOMIZING  
E02 AIR INLET SILENCING  
E02 AIR SEPARATOR, ATOMIZING  
E02 SCREEN, AIR INLET, FILTER

**343-E03**

**PIPING SYSTEM, EXHAUST**

E03 DUCTING, EXHAUST  
E03 EXHAUST DUCT SILENCING

**343-E04**

**STACK**

E04 STACK, EXHAUST  
E04 STACK, INTAKE AIR SUPPLY

**343-F01**

**REID CT NATURAL GAS CONVERSION**

F01 DUAL FIRE BURNERS  
F01 ELECTRICAL WIRING  
F01 GAS FLOW ELEMENT  
F01 GAS HOSES, FLEXIBLE  
F01 GAS RING HEADER  
F01 HEATER, EXPLOSION PROOF  
F01 PIPE, STAINLESS STEEL  
F01 PLC MODS AND PROGRAMING  
F01 PURGE RING HEADER  
F01 TRANSMITTERS  
F01 TUBING, STAINLESS  
F01 VALVE, GAS REGULATOR, MAIN  
F01 VALVE, GAS STOP, MAIN  
F01 VALVE, PURGE AIR

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**344: Generators (Combustion Turbine)**

**344-001**

**EXCITER, DIRECT-CONNECTED OR BELT-DRIVEN**

001 EXCITER ENCLOSURE  
001 HEATER, SPACE, EXCITER

**344-002**

**GENERATOR**

002 GENERATOR  
002 GENERATOR COOLING MEDIUM EQUIPMENT  
002 GENERATOR SKID ENCLOSURE  
002 SPACE HEATER

**344-005**

**RHEOSTAT, GENERATOR FIELD**

005 EXCITER RHEOSTAT

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### 345: Accessory Electric Equipment (Combustion Turbine)

#### 345-003

##### BATTERY CHARGING SET

003 BATTERY CHARGING SET

#### 345-006

##### CONTROL INSTALLATION, SYSTEM OPERATORS

006 PANEL, REMOTE MASTER CONTROL

#### 345-011

##### FREQUENCY CHANGER

011 FREQUENCY CHANGER

#### 345-012

##### FREQUENCY CONTROL SYSTEM

012 FREQUENCY CONTROL SYSTEM

#### 345-013

##### FUSE EQUIPMENT, SET OF HIGH TENSION

013 TOOL, TERMI-POINT REEL

#### 345-014

##### GENERATOR VOLTAGE REGULATOR SYSTEM

014 CAPACITORS, SURGE

014 GENERATOR LEADS, CIRCUIT

014 REGULATOR, VOLTAGE

#### 345-015

##### INDUCTION REGULATOR

015 REGULATOR, INDUCTION

#### 345-016

##### LIGHTNING ARRESTOR

016 ARRESTOR, LIGHTNING

#### 345-018

##### PANELS DEVOTED TO A SINGLE PURPOSE

018 MOTOR CONTROL COMPARTMENT

018 MOTOR CONTROL COMPARTMENT AIR CONDITIONING

018 MOTOR CONTROL COMPARTMENT FIRE PROTECTION

018 MOTOR CONTROL COMPARTMENT SPACE HEATER

#### 345-019

##### REACTOR OR RESISTOR

019 REACTOR RESISTER

019 REACTOR, LINEAR

#### 345-020

##### RECTIFIER

020 RECTIFIER ASSEMBLY

020 RECTIFIER

#### 345-022

##### STORAGE BATTERY, STATION CONTROL

022 BATTERY ENCLOSURE

022 BATTERY, STORAGE

022 HEATER, BATTERY COMPARTMENT

#### 345-023

##### DISCONNECTING SWITCHES

023 SWITCHES, SET

#### 345-025

##### TRANSFORMER, NOT ACCESSORY TO A PANEL

025 TRANSFORMER, AUXILLIARY

025 TRANSFORMER, CRANKING MOTOR

025 TRANSFORMER, CURRENT, BANK


025 TRANSFORMER, GROUND

025 TRANSFORMER, POTENTIAL

025 TRANSFORMER, POWER, POTENTIAL

025 TRANSFORMER, SATURABLE, CURRENT

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**345: Accessory Electric Equipment (Combustion Turbine)**

**345-027**

**WIRING POWER, BUS, WIRES, CABLES**

027	BUS COMPARTMENT
027	BUS SYSTEM
027	CABLE
027	POWER WIRING
027	SWITCHGEAR COMPARTMENT SPACE HEATER
027	SWITCHGEAR ENCLOSURE

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**353: Station Equipment (Transmission Station)**

**353-035**

035 TRANSFORMER, STEP-UP  
035 DELUGE SPRINKLER SYSTEM, TRANSFORMER

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