



October 15, 2009

Florida Department of Environmental Protection
Department of Air Resources Management
2600 Blair Stone Road
MS #5505
Tallahassee, FL 32399-2400

RECEIVED 0938-7544

OCT 23 2009

BUREAU OF AIR REGULATION

Attention: Ms. Trina Vielhauer, Chief, Bureau of Air Regulation

**RE: BAY COUNTY UTILITIES SERVICE DEPARTMENT
BAY RESOURCE MANAGEMENT CENTER
FACILITY ID NO. 0050031
BAY COUNTY RE-RATE PROJECT**

Dear Ms. Vielhauer:

Bay County Utilities Service Department (Bay County) currently operates the Bay County Waste-to-Energy Facility (BCWtE) under Title V air operating permit No. 0050031-010-AV. The facility includes two identical Municipal Waste Combustor (MWC) emission units with mass burn rotary waterwall technology.

Bay County is proposing to rerate the MWC units at the facility to their original charging capacity of 255 tons per day (TPD) of municipal solid waste (MSW @ 4500 BTU/Lb) per unit. This will correspond to a steam production limit of 68,000 pounds per hour (lb/hr) (24-hour average). The purpose of this letter is to request an applicability determination for the New Source Performance Standards (NSPS) contained in Title 40 of the Code of Federal Regulations, Part 60 (40 CFR 60), Subparts Cb and Eb, which apply to MWC combustion units greater than 250 TPD MSW charging capacity.

History of Facility

The facility was constructed under the Florida Department of Environmental Protection (FDEP) permits AC 03-84703 and AC 03-84704, issued September 24, 1984. The emission units' initial startup date was May 1, 1987. The control equipment for the MWC units included an electrostatic precipitator (ESP) on each unit. DEP permits AC 03-145061, AC 03-152196, and PSD-FL-129 were issued October 14, 1988 to increase the MSW throughput to 255 tons per day (TPD) per unit.

Subsequently, on December 19, 1995 and amended on August 25, 1997, the U.S. Environmental Protection Agency (EPA) promulgated 40 CFR 60, Subpart Cb, "Emission Guidelines and Compliance Times for Municipal Waste Combustors That Are Constructed on or Before December 19, 1995". This final rule required MWC units with a combustion capacity greater than 250 TPD MSW to comply with new emission limits. These new emissions limits would require the facility to replace the existing ESPs with spray dryers and baghouses to control acid gases and particulate matter. The compliance date for these modifications was December 19, 2000.

At the time of the promulgation of Subpart Cb, Bay County did not desire to incur the large expense (and cost to the taxpayers) of complying with Subpart Cb. As a result, in a letter dated June 16, 1999, Bay County requested for a determination from the EPA to derate the two MWC units from 255 TPD to 245 TPD, with a corresponding steam production limit of 65,333 pounds per hour (lb/hr) (24-hour average). By derating the units, Bay County would not be subject to Subpart Cb.



Golder Associates Inc.
6026 NW 1st Place
Gainesville, FL 32607 USA
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Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

EPA approved the request to derate the facility in a letter to the DEP dated September 30, 1999 (see Attachment 1). The letter outlined a set of requirements for derating the MWC units. Bay County accomplished the requirements, which included the modification of the forced draft fan wheel from a "A" blade arrangement to a "C" blade arrangement, and a demonstration test to verify that the maximum MWC unit load would not exceed 65,333 lb/hr, 24-hr rolling average and 66,667 lb/hr, 4-hr block average. The changes were required to be implemented by December 19, 2000, which was the compliance date for Subpart Cb.

Subsequently, the facility implemented the changes and the required monitoring. Title V air operation permit No. 0050031-002-AV was issued on August 1, 2000, incorporating the new operating limitations. By derating the MWC units, the facility did not become subject to Subpart Cb, and the cost of physical and operational changes associated with the rule was avoided.

On December 6, 2000, EPA promulgated 40 CFR 60, Subpart BBBB, "Emission Guidelines and Compliance Times for Small Municipal Waste Combustion Units Constructed On or Before August 30, 1999". This rule applied to MWC units with a capacity of less than 250 TPD MSW, and required the Bay County units to meet new emission limits. The compliance date for this rule was December 6, 2005. Subsequently, on March 5, 2004, Permit No. 0050031-009-AC was issued to replace the ESP on each of the two combustors with an acid gas scrubber and a fabric filter baghouse, in addition to a lime storage and slaking equipment, a carbon storage and injection system, ID fans, new stacks and associated appurtenances. The equipment installation was completed by June, 2005.

Permit No. 0050031-011-AC, issued June 13, 2005, included the new emission limitations under Subpart BBBB, deleted the limitation and test method for beryllium, and established new operational requirements. The facility was in compliance with Subpart BBBB on November 16, 2005.

The facility is currently operating under Permit No. 0050031-010-AV issued August 1, 2005. According to facility records, the 4-hr average steam rate limit has never been exceeded since the issuance of the de-rate permit; i.e. from 1999 through the present.

Request to Re-Rate Facility:

As a result of having to comply with the Subpart BBBB requirements, Bay County has already installed the equipment necessary to meet the requirements of Subpart Cb. As a result, Bay County now desires to increase the units' capacity back to the facility's original capacity of 255 TPD MSW (@ 4500 BTU/Lb) per unit. The only physical change that may be necessary to the units to accomplish the re-rating would be the replacement of the fan blades, which were changed when the facility was de-rated in 1999. However, future operation of the unit at the higher rates may indicate new fan blades are necessary, or are desirable from an energy efficiency standpoint. The new fan blades may be required in order to provide enough combustion air to the units. Also, changing the fan blades would increase the capacity of the fans to deliver combustion air to the boilers, which could allow the fans to operate at slower speeds, and increase the energy efficiency of the fans.

Subpart Eb of 40 CFR 60 applies to large (>250 TPD MSW) MWC units that commenced construction after September 20, 1994, or for which modification or reconstruction was commenced after June 19, 1996. This definition of modification under 40 CFR 60.2 is as follows:

Modification means any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted into the atmosphere by that facility or which results in the emission of any air pollutant (to which a standard applies) into the atmosphere not previously emitted.

The proposed re-rate of the Bay County units would constitute a "modification" under this definition, since air emissions on a lb/hr basis will be increasing due to the additional MSW combusted. However,

according to 40 CFR 60.14(e), the following shall not, by themselves, be considered modifications under this part:

(2) "An increase in production rate of an existing facility, if that increase can be accomplished without a capital expenditure on that facility".

Capital expenditure is defined in 60.2 as follows:

"Capital expenditure means an expenditure for a physical or operational change to an existing facility which exceeds the product of the applicable "annual asset guideline repair allowance percentage" specified in the latest edition of Internal Revenue Service (IRS) Publication 534 and the existing facility's basis, as defined by section 1012 of the Internal Revenue Code. However, the total expenditure for a physical or operational change to an existing facility must not be reduced by any "excluded additions" as defined in IRS Publication 534, as would be done for tax purposes."

The cost of replacement fan blades for both units, if required, is estimated at \$45,640.00, which is much less than the criteria which defines a capital expenditure. Therefore, the proposed re-rate project does not constitute a modification for purposes of the new source performance standards. As a result, Subpart Cb would apply to the facility after the re-rate is implemented.

We request concurrence from FEP/EPA that the facility re-rate project will trigger the requirements of 40 CFR 60 Subpart Cb, and will not trigger 40 CFR 60 Subpart Eb requirements. If you have any questions, please do not hesitate to call me at (352) 336-5600.

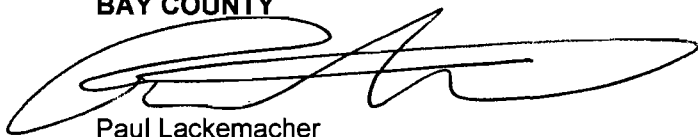
Sincerely,

GOLDER ASSOCIATES INC.

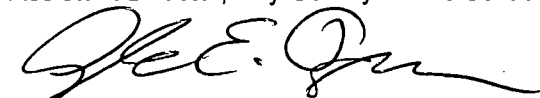


David A. Buff, P.E., Q.E.P.
Principal Engineer

BAY COUNTY



Paul Lackemacher
Assistant Director, Bay County Public Utilities



Glenn Ogborn
Solid Waste Superintendent, Responsible Official

cc:

Attachments or Enclosures:

Author/Admin initials

document2

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: David A. Buff Registration Number: 19011
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates Inc.** Street Address: 6026 NW 1st Place City: Gainesville State: FL Zip Code: 32607
3. Professional Engineer Telephone Numbers... Telephone: (352) 336-5600 ext. Fax: (352) 336-6603
4. Professional Engineer E-mail Address: dbuff@golder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i> <i>David A. Buff</i> Signature _____ Date <u>10/22/2009</u> (seal)

* Attach any exception to certification statement.

**Board of Professional Engineers Certificate of Authorization #00001670.

ATTACHMENT 1

LARRY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

4APT-ARB

SEP 30 1999

Mr. Howard L. Rhodes, Director
Department of Environmental Protection
Division of Air Resources Management
Mail Station 5500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

SEP 30 1999

AIR RESOURCES MANAGEMENT

SUBJ: Bay County Resource Recovery Facility

Dear Mr. Rhodes:

This letter is in response to your request for an Environmental Protection Agency (EPA) determination of whether a proposal to derate the two existing municipal waste combustor (MWC) units at the Bay County Resource Recovery Facility (RRF) is acceptable. This proposal was submitted to EPA Region 4 and the Florida Department of Environmental Protection (DEP) on June 16, 1999, and supplemented by information on July 13, 1999. In response to our most recent correspondence, dated July 30, 1999, Bay County submitted further information on August 9, 1999, and participated in a conference call with representatives of EPA and the Florida DEP on August 11, 1999, to discuss details of the derating proposal.

To ensure national consistency, EPA Region 4 consulted with the Office of Enforcement and Compliance Assurance (OECA), the Office of General Counsel (OGC), and the EPA Office of Air Quality Planning and Standards (OAQPS) in preparing this response. Based on our review of the information submitted and the discussions held regarding the proposal, EPA has determined that the Bay County proposal to derate the combustion capacity of each of its two existing MWC units from 255 tons per day to 245 tons per day of municipal solid waste (MSW) is approved in accordance with the operating conditions and monitoring requirements outlined in this correspondence. To finalize this approval, your agency must incorporate these operational and monitoring items as enforceable permit conditions for the Bay County RRF. Derating the units will allow the facility to avoid the requirements set forth in the State of Florida's Clean Air Act (CAA) section 111(d)/129 plan for large MWC units. The Bay County RRF will remain subject to 40 C.F.R. part 60, subpart E (Standards of Performance for Incinerators) and subpart BBBB (Emission Guidelines: Small Municipal Waste Combustion Units), unless modified or reconstructed in the future.

Derated Units: Operating, Testing, and Monitoring Requirements

Bay County's proposal involves physically modifying the MWC units to permanently change the capacity of each unit to below the applicability threshold level of greater than 250 tons

per day for large MWC units. As approved, Bay County will reduce the full load flue gas flow rate and the corresponding steam flow from the units by physically modifying the forced draft (FD) fan wheel, as described in letters dated October 1, 1998, and June 1, 1999, to Bay County from the Howden Fan Company, manufacturer and vendor of the FD fan. Bay County will complete the physical change of the FD fan wheel from an existing "A" blade arrangement to a "C" blade arrangement. The revolutions per minute (rpm), static and dynamic pressures of the FD fan, and unit capacities before and after the modification will be as follows:

<u>Full Load Capacity:</u>	<u>Existing</u>	<u>Derated</u>
FD Fan Wheel - rpm	1404	1404
FD Fan Wheel - Diameter (inches)	50.75	49.38
FD Fan Wheel - Static Pressure (inches H ₂ O)	14.25	12.80
FD Fan Wheel - Dynamic Pressure (inches H ₂ O)	16.37	14.58
Combustion Air Flow Rate (scfm)	22,800	20,780
Steam Flow (pounds per hour)	68,000	65,333
Tons per day of MSW (at 4500 British thermal units per pound)	255	245

We have determined that the County's proposal to derate its units is acceptable based on agreement by the County to conduct a demonstration test, to monitor the units as provided below, and to the establishment of these operating and monitoring requirements as enforceable permit conditions by your agency. As approved, Bay County must achieve final compliance with all operating restrictions and monitoring requirements for the derated units by December 19, 2000 (the final compliance date of the emission guidelines and the Florida CAA section 111(d)/129 state plan).

A demonstration test will be performed to verify the hourly steam flow rate at full load and establish the maximum demonstrated MWC unit load. As approved, Bay County is required to submit a protocol for testing which includes: (1) testing occurring over a 72-hour period; (2) testing conducted in accordance with the applicable requirements of 40 C.F.R. § 60.8 (Performance tests); and (3) an opportunity for a Florida DEP and/or EPA observer to be present at the demonstration test.

Monitoring will provide assurance that the units are effectively derated. During the demonstration test and after completion of the derating, the affected units will be monitored in accordance with the following requirements:

- (1) Demonstration Test
 - (a) The maximum demonstrated MWC unit load will be the highest 24-hour rolling average MWC unit load calculated from six consecutive 4-hour block arithmetic averages demonstrated during the performance test.

- (b) This maximum MWC unit load is not to exceed 65,333 lb/hr (245 tons per day) for each unit.
 - (c) Steam flow shall not exceed an average of 66,667 lb/hr (250 tons per day) over any 4-hour block averaging period for each unit during the demonstration test.
- (2) Operational Requirements
- (a) The owner or operator shall install, calibrate, maintain, and operate a steam flow meter, measure steam flow in pounds per hour on a continuous basis, and record the output of the monitor.
 - (b) Steam flow shall be calculated in 24-hour rolling averaging periods, calculated from six consecutive 4-hour block arithmetic averaging periods for each unit.
 - (c) Steam flow shall not exceed an average of 65,333 lb/hr over any 24-hour rolling average period for each unit (provided the demonstrated full load steam flow rate/maximum demonstrated MWC unit load is less than or equal to 65,333 lb/hr; otherwise, the full load steam flow rate determined from the demonstration test will be used).
 - (d) Steam flow shall not exceed an average of 66,667 lb/hr over any 4-hour block arithmetic averaging period for each unit.
 - (e) The monitoring data must be maintained for periodic inspections by Florida DEP and/or EPA.
 - (f) Any 24-hour average steam flow in excess of 65,333 lb/hr for each unit (or the full load steam flow rate determined from the demonstration test) must be reported within seven calendar days to Florida DEP and EPA.
 - (g) Any 4-hour block arithmetic average steam flow in excess of 66,667 lb/hr for each unit must be reported within seven calendar days to Florida DEP and EPA.

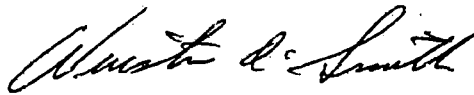
Conclusion

A derated unit should not exceed a threshold applicability level. According to information in the Bay County proposal, the steam output level corresponding to 250 tons per day is equivalent to a steam flow of 66,667 lb/hr for each unit. Therefore, EPA maintains the position that, consistent with prior EPA determinations for derate actions, if this MWC unit exceeds

66,667 lb/hr over any 4-hour block averaging period (demonstration period or operational), the unit would no longer be considered a derated unit. Based on the information presented, and as we stated in our previous correspondence, meetings, and discussions with the Florida DEP and Bay County on the issue of derating, if the Bay County RRF exceeds the steam output level corresponding to 250 tons per day (equivalent to a steam flow of 66,667 lb/hr) after completing the proposed modification to the FD fan wheel, the facility will be required to be in compliance with all applicable federal and state MWC requirements for large MWC units on schedule. Section 129 of the CAA and the federal MWC regulations, as well as the approved Florida section 111(d)/129 plan, require all large MWC units to be in compliance with all applicable requirements or close by December 19, 2000.

If you have any questions regarding this approval, please contact Mr. Scott Davis of the EPA Region 4 staff at (404) 562-9127. Due to litigation filed by Bay County against EPA (Petition for Review dated July 2, 1999, Case No. 99-12083-I, and Petition for Review dated September 28, 1999), if any representative of Bay County or the Bay County RRF has any questions or comments concerning this correspondence, he or she must contact Mr. Joshua Levin of the United States Department of Justice at (202) 514-4198 or Ms. Michiko Kono of the Office of Regional Counsel at (404) 562-9558.

Sincerely,



Winston A. Smith
Director
Air, Pesticides and Toxics
Management Division

cc: James M. Leddy, Plant Manager
Bay County RRF
Zofia Kosim, OECA
Walt Stevenson, OAQPS
Rick Vetter, OGC
Joshua Levin, DOJ
Charles Perry, Hunton & Williams
Nevin A. Zimmerman, Burke & Blue



January 20, 2010

093-87678

Ms. Trina Vielhauer
Florida Department of Environmental Protection
Department of Air Resources Management
2600 Blair Stone Road
MS #5505
Tallahassee, FL 32399-2400

**RE: BAY COUNTY UTILITIES SERVICE DEPARTMENT
BAY RESOURCE MANAGEMENT CENTER
FACILITY ID NO. 0050031
BAY COUNTY RE-RATE PROJECT**

Dear Ms. Vielhauer:

The U.S. Environmental Protection Agency (EPA) recently responded to the Florida Department of Environmental Protection's (FDEPs) letter dated October 30, 2009, regarding Bay County's proposal to re-rate the Bay County Resource Recovery Facility (BCRRF). Bay County operates the facility, which includes two identical Municipal Waste Combustor (MWC) emission units with mass burn rotary waterwall technology.

Bay County is proposing to re-rate the MWC units at the facility from a charging rate of 245 tons per day (TPD) of municipal solid waste (MSW) [at 4,500 British thermal units per pound (Btu/lb)] to their original charging capacity of 255 TPD MSW per unit. This will correspond to a steam production limit of 68,000 pounds per hour (lb/hr) (24-hour average). Bay County, through a letter dated October 15, 2009, from Golder Associates Inc. (Golder), requested an applicability determination for the New Source Performance Standards (NSPS) contained in Title 40 of the Code of Federal Regulations, Part 60 (40 CFR 60), Subparts Cb and Eb, which apply to MWC combustion units greater than 250 TPD MSW charging capacity.

EPA's letter recommends that Bay County provide further information regarding the facility's basis. When calculating the basis, Bay County should follow the guidance in the EPA determination issued on April 7, 1998 (which was attached to the EPA letter). EPA states that if the basis for the facility is less than \$264,260, the re-rated facility will be subject to Subpart Eb. If the facility's basis is greater than this amount, the re-rated facility will be subject to Subpart Cb.

EPA GUIDANCE

Capital expenditure is defined in 40 CFR 60.2 as follows:

"Capital expenditure means an expenditure for a physical or operational change to an existing facility which exceeds the product of the applicable "annual asset guideline repair allowance percentage" specified in the latest edition of Internal Revenue Service (IRS) Publication 534 and the existing facility's basis, as defined by section 1012 of the Internal Revenue Code. However, the total expenditure for a physical or operational change to an existing facility must not be reduced by any "excluded additions" as defined in IRS Publication 534, as would be done for tax purposes."

The EPA guidance attempts to clarify this definition further as follows:

"Section 1012 of the Internal Revenue Code defines the basis of the property as the "...cost of such property except as otherwise provided in this subchapter and [other specified subchapters]...". Other subsections in the same subchapter describe how to adjust the original



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cost basis when determining the gain or loss from the sale of property; however, they do not address what, if any, adjustments should be made in a regulatory context such as this. EPA's reading of this section for the purpose of the NSPS program is that the "basis" is the cost of the property, as adjusted to reflect capital improvements, casualty losses, and defunct equipment. This reading is consistent with the original intent of the exemption, as these adjustments are related to operating capacity. In contrast, taking into account depreciation would be inconsistent with the original intent of the exemption, as depreciated equipment may remain fully functional.

In conclusion, when calculating an existing facility's basis for the purpose of a "capital expenditure" evaluation, depreciation should not be considered. However, an existing facility's basis should be adjusted to reflect capital improvements, casualty losses, and/or defunct equipment."

To properly make this determination for the BCRRF, the boundaries of the "affected facility" must first be determined. Subpart Cb refers to Subpart Eb in this regard. Subpart Eb defines the boundaries of the MWC unit as follows:

"(2) The boundaries of a municipal solid waste combustor are defined as follows. The municipal waste combustor unit includes, but is not limited to, the municipal solid waste fuel feed system, grate system, flue gas system, bottom ash system, and the combustor water system. The municipal waste combustor boundary starts at the municipal solid waste pit or hopper and extends through:

- (i) The combustor flue gas system, which ends immediately following the heat recovery equipment or, if there is no heat recovery equipment, immediately following the combustion chamber,*
- (ii) The combustor bottom ash system, which ends at the truck loading station or similar ash handling equipment that transfer the ash to final disposal, including all ash handling systems that are connected to the bottom ash handling system; and*
- (iii) The combustor water system, which starts at the feed water pump and ends at the piping exiting the steam drum or superheater.*

(3) The municipal waste combustor unit does not include air pollution control equipment, the stack, water treatment equipment, or the turbine-generator set."

Using the above boundaries for each of the MWC units, the following was determined:

1. The original cost of each unit (for any shared systems, take one half of the total cost). The cost of the property is the amount paid for it in cash or other property. Cost also includes amount paid for state sales tax, freight, installation, and testing (IRS Code Section 1012).
2. Add any capital improvements since the original units were constructed.
3. Deduct any casualty losses. If there have been any casualty losses, decrease the basis in the property by any insurance or other reimbursement, and by any deductible loss not covered by insurance.

Depreciation was not considered in making these calculations.

The Original Cost of Each Unit

Bay County has on-file a detailed listing and accounting of the cost of the original facility (see Attachment 1 – Asset Detail Report dated February 4, 1986). From these data, costs of only the "affected facility" were extracted. This includes the boiler fuel feed system (but not the MSW tipping floor/building), boilers, and ash handling system, including the buildings housing these components, since the buildings were necessary to the operation of the affected facilities. These costs have been itemized and summed in attached spreadsheet (Attachment 2). According to Bay County's calculations, the original cost of the "affected facility" was \$23,859,624. Please note that this cost does not include the cost of the land or the cost of installing infrastructure necessary for the facility. Therefore, the original cost per unit is \$11,930,000.

Add Any Capital Improvements

There have been no capital improvements to the "affected facility" since the original construction. Upgrades to the air pollution control equipment have been made, but these are outside the boundaries of the affected facility.

Deduct Any Casualty Losses

There have been no casualty losses to the affected facility since the original construction.

Based on these data, the existing facility's basis is determined to be approximately \$12,000,000.

REQUEST TO RE-RATE FACILITY

As stated in the previous correspondence, the only physical change that may be necessary to the units to accomplish the re-rating would be the replacement of the fan blades, which were changed when the facility was de-rated in 1999. However, future operation of the unit at the higher rates may indicate new fan blades are necessary, or are desirable from an energy efficiency standpoint. The new fan blades may be required to provide enough combustion air to the units. Also, changing the fan blades would increase the capacity of the fans to deliver combustion air to the boilers, which could allow the fans to operate at slower speeds, and increase the energy efficiency of the fans.

The cost of replacement fan blades for both units, if required, is estimated at \$45,640. This represents less than 0.2 percent of the existing facility's basis, which is much less than the criteria that define a capital expenditure (i.e., 15 percent or more of the existing facility's basis). Therefore, the proposed re-rate project does not constitute a modification for purposes of the NSPS. As a result, Subpart Cb would apply to the facility after the re-rate is implemented.

We request concurrence from FDEP that the facility re-rate project will trigger the requirements of 40 CFR 60 Subpart Cb, and will not trigger 40 CFR 60 Subpart Eb requirements. If you have any questions, please do not hesitate to call me at (352) 336-5600.

Sincerely,

GOLDER ASSOCIATES INC.



David A. Buff, PE, QEP
Principal Engineer

cc: Paul Lackemacher, Assistant Director, Bay County Public Utilities
Glenn Ogborn, Solid Waste Superintendent, Responsible Official
Kenneth Lapierre, Acting Director, Air, Pesticides and Toxics Management Division

Attachments

DB/tlc

ATTACHMENT 1

ASSET DETAIL REPORT

Exhibit M

BEST AVAILABLE COPY

VALTEC ASSOCIATES
COST REPORT #

ASSET DETAIL REPORT
W/STINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAFF: 1
DATE: 07/04/86

ASSET TK-DEF	DESCRIPTION	QUANTITY	UNIT	IA-PLACE UNIT COST	SOURCE	MON-SEC 3P	SEC 3P
0001	CSA SITE-CLEARING AND GRADING	1.0	TD	317202.8236	PMTRQ	317,202.82	
0007	CSA SITE-CONCRETE SIDEWALKS	1.0	TD	676.1327	PMTRQ	676.13	
0008	CSA SITE-FENCING AND GATES	1.0	TD	51376.4257	PMTRQ	51,376.43	
41100 CSA-SITE IMPROVEMENTS						\$369,255.3P	
0002	CSA SITE-STORM SYSTEM	1.0	TD	65845.6653	PMTRQ	65,845.67	
0009	CSA SITE-HEADWALLS/STORM	1.0	TD	17193.0P85	PMTRQ	17,193.09	
41110 CSA-SITE UTILITIES						\$83,038.76	
0003	CSA SITE-ASPHALT ROADWAY	1,050.0	SY	27.0453	PMTRQ	28,397.57	
0004	CSA SITE-ASPHALT PARKING	5,000.0	SY	19.3181	PMTRQ	96,590.38	
0005	CSA SITE-PARKING STRIPING	1.0	TD	606.5194	PMTRQ	606.52	
41130 CSA-ASPHALT PAVING						\$125,596.47	
0010	CSA RFSE BLDG-HAND EXCAV	1.0	TD	7308.0285	PMTRQ	7,308.03	
0011	CSA RFSE BLDG-MACH EXCAV	1.0	TD	16466.7288	PMTRQ	16,466.73	
0012	CSA RFSE BLDG-HAND BACKFILL	1.0	TD	4219.0880	PMTRQ	4,219.07	
0013	CSA RFSE BLDG-MACH BACKFILL	1.0	TD	24418.0493	PMTRQ	24,418.05	
0014	CSA RFSE BLDG-FINEGRADE	1.0	TD	11279.8251	PMTRQ	11,279.83	
0015	CSA RFSE BLDG-STONE FILL	1.0	TD	62884.2041	PMTRQ	62,884.20	
0016	CSA RFSE BLDG-SHEETING	1.0	TD	55462.1989	PMTRQ	55,462.20	
0017	CSA RFSE BLDG-VAPOR BARRIER	1.0	TD	8020.8656	PMTRQ	8,020.87	
0018	CSA RFSE BLDG-MUD SLAB	1.0	TD	4220.9998	PMTRQ	4,221.00	
0019	CSA RFSE BLDG-CONC FTNGS	1.0	TD	168525.6870	PMTRQ	166,525.69	
0025	CSA RFSE BLDG-MISC CONC WORK	1.0	TD	490972.3354	PMTRQ	490,872.34	
0026	CSA RFSE BLDG-FTNG FORMS	1.0	TD	80880.9246	PMTRQ	80,880.92	
0030	CSA RFSE BLDG-SUSP SLAB EDGE	1.0	TD	254.9986	PMTRQ	255.00	
0031	CSA RFSE BLDG-PRCTA BCAPT	1.0	TD	7138.0294	PMTRQ	7,138.03	
0032	CSA RFSE BLDG-FINISH & CURE	1.0	TD	44989.8694	PMTRQ	44,989.87	
0033	CSA RFSE BLDG-CONTROL JOINTS	1.0	TD	2096.0113	PMTRQ	2,096.01	
0034	CSA RFSE BLDG-WATERPROOF	1.0	TD	20602.7291	PMTRQ	20,602.73	
0035	CSA RFSE BLDG-CONC TOPPING	1.0	TD	23946.6200	PMTRQ	23,946.62	
0051	CSA CNVYR BLDG-MACH EXCAV	1.0	TD	1601.4638	PMTRQ	1,601.47	
0052	CSA CNVYR BLDG-HAND EXCAV	1.0	TD	718.6325	PMTRQ	718.63	
0053	CSA CNVYR BLDG-MACH BACKFILL	1.0	TD	2376.1235	PMTRQ	2,376.12	
0054	CSA CNVYR BLDG-HAND BACKFILL	1.0	TD	415.3387	PMTRQ	415.34	
0055	CSA CNVYR BLDG-FINE GRADE	1.0	TD	668.4055	PMTRQ	668.41	
0056	CSA CNVYR BLDG-STONE FILL	1.0	TD	3724.5252	PMTRQ	3,724.53	
0057	CSA CNVYR BLDG-VAPOR BARRIER	1.0	TD	475.2247	PMTRQ	475.22	

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COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 7
DATE: 07/04/56

ASSET	TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NOY-SEC 3E	SEC 3E
0058	CSA	CNVYR BLDG-PILE&PILE CAPS	1.0	TDQ	28045.9841	PMTRQ	28,045.98	
0059	CSA	CNVYR BLDG-GRADE BEAM	1.0	TDQ	1319.4247	PMTRQ	1,319.42	
0060	CSA	CNVYR BLDG-SLAB ON GRADE	1.0	TDQ	10887.6682	PMTRQ	10,887.67	
0062	CSA	CNVYR BLDG-FORMWORK	1.0	TDQ	8604.2715	PMTRQ	8,604.27	
0063	CSA	CNVYR BLDG-CONC REBAR	1.0	TDQ	4076.1142	PMTRQ	4,076.11	
0075	CSA	RFSE BLDG-REINFORCING	1.0	TDQ	359434.0716	PMTRQ	359,434.07	
0076	CSA	BLR-BLF HSE/MACH EXCAV	1.0	TDQ	10140.0586	PMTRQ	10,140.06	
0077	CSA	BLR-BLF HSE/HAND EXCAV	1.0	TDQ	4493.3847	PMTRQ	4,493.38	
0078	CSA	BLR-BLF HSE/MACH BACKFILL	1.0	TDQ	15035.2593	PMTRQ	15,035.26	
0079	CSA	BLR-BLF HSE/HAND BACKFILL	1.0	TDQ	2592.4859	PMTRQ	2,592.49	
0080	CSA	BLR-BLF HSE/FINE GRADE	1.0	TDQ	2184.8745	PMTRQ	2,184.87	
0081	CSA	BLR-BLF HSE/STONE FILL	1.0	TDQ	15189.8039	PMTRQ	15,189.80	
0082	CSA	BLR-BLF HSE/VAPOR BARRIER	1.0	TDQ	1553.1734	PMTRQ	1,553.17	
0083	CSA	BLR-BLF HSE/PILE&PILE CAP	1.0	TDQ	156263.9245	PMTRQ	156,263.92	
0084	CSA	BLR-BLF HSE/GRADE REBAR	1.0	TDQ	5940.3087	PMTRQ	5,940.31	
0085	CSA	BLR-BLF HSE/SLAB ON GRADE	1.0	TDQ	31287.5574	PMTRQ	31,287.56	
0090	CSA	BLR-BLF HSE/FORMS-PILES	1.0	TDQ	16343.0931	PMTRQ	16,343.09	
0091	CSA	BLR-BLF HSE/FORMS-SLABS	1.0	TDQ	477.1565	PMTRQ	477.16	
0092	CSA	BLR-BLF HSE/FORMS-CRD BEAM	1.0	TDQ	21966.5853	PMTRQ	21,966.59	
0093	CSA	BLR-BLF HSE/FORMS-SOG	1.0	TDQ	3873.2744	PMTRQ	3,873.27	
0094	CSA	BLR-BLF HSE/FORMS-MISC	1.0	TDQ	23747.7120	PMTRQ	23,747.71	
0095	CSA	BLR-BLF HSE/CONC FINISH	1.0	TDQ	15755.8236	PMTRQ	15,755.82	
0096	CSA	BLR-BLF HSE/CONC REBAR	1.0	TDQ	50605.6344	PMTRQ	50,605.63	
0142	CSA	BLR-WSTE TRTMT/FMOTNS	1.0	TDQ	46109.7386	PMTRQ	46,109.74	
0144	CSA	BLR-WSTE BLDG/EARTHWORK	1.0	TDQ	3245.4369	PMTRQ	3,245.44	
0145	CSA	BLR-WSTE BLDG/SOG	1.0	TDQ	1466.2420	PMTRQ	1,466.24	
0146	CSA	BLR-WSTE BLDG/FORMWORK	1.0	TDQ	919.5405	PMTRQ	919.54	
0147	CSA	BLR-WSTE BLDG/FINISH	1.0	TDQ	415.3387	PMTRQ	415.34	
0148	CSA	BLR-WSTE BLDG/REINFORCING	1.0	TDQ	1427.6059	PMTRQ	1,427.61	
0158	CSA	OFFICE & MICE BLDG/EARTHWR	1.0	TDQ	25289.2945	PMTRQ	25,289.29	
0159	CSA	OFFICE & MICE BLDG/CONCRET	1.0	TDQ	35775.1467	PMTRQ	35,775.15	
0160	CSA	OFFICE & MICE BLDG/FORMWR	1.0	TDQ	15303.7806	PMTRQ	15,303.78	
0161	CSA	OFFICE & MICE BLDG/CONC FI	1.0	TDQ	4808.2694	PMTRQ	4,808.27	

12100 CSA-SUBSTRUCTURE

51,968,146.97

0037	CSA	RFSE BLDG-STRUCTURAL	1.0	TDQ	95290.2782	PMTRQ	95,290.28	
0038	CSA	RFSE BLDG-STAIRS	1.0	TDQ	8071.0926	PMTRQ	8,071.09	
0039	CSA	RFSE BLDG-GRATING	1.0	TDQ	11695.1638	PMTRQ	11,695.16	
0040	CSA	RFSE BLDG-HANDRAIL	1.0	TDQ	17301.2697	PMTRQ	17,301.27	
0041	CSA	RFSE BLDG-METAL DECKING	1.0	TDQ	438.5203	PMTRQ	438.52	
0065	CSA	CNVYR BLDG-STRUCTURAL	1.0	TDQ	61659.4380	PMTRQ	61,659.44	
0066	CSA	CNVYR BLDG-GRATING	1.0	TDQ	17542.7457	PMTRQ	17,542.75	
0067	CSA	CNVYR BLDG-HANDRAIL	1.0	TDQ	19462.9625	PMTRQ	19,462.96	
0098	CSA	BLR-BLF HSE/STRUCTURAL	1.0	TDQ	154146.6632	PMTRQ	154,146.66	
0100	CSA	BLR-BLF HSE/METAL DECK	1.0	TDQ	5401.3343	PMTRQ	5,401.33	

*IF IT SERVES
AS AN OPEN CONTRACT
STRUCTURE,
... SHALL BE
ACTS*

*See notes
Send letter
re: (above)
Lum. verification*

not (in) else.

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COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CITY FL

PAGE: 3
DATE: 07/04/88

ASSET TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	POB-SEC 38	SEC 3F
0101	CSA ELR-BLP HSE/GRATING	1.0	TD	263141.1852	PMTRQ	263,141.19	
0102	CSA ELR-BLP HSE/HANDRAIL	1.0	TD	34600.6076	PMTRQ	34,600.61	
0103	CSA ELR-BLP HSE/STAIRS	1.0	TD	57840.2542	PMTRQ	57,840.25	
0104	CSA ELR-BLP HSE/LANDINGS	1.0	TD	17276.1562	PMTRQ	17,276.16	
0151	CSA ELR-WSTE BLDG/BAR JOISTS	1.0	TD	1522.2645	PMTRQ	1,522.26	
0152	CSA ELR-WSTE BLDG/DECK	1.0	TD	1095.3350	PMTRQ	1,095.33	
0153	CSA ELR-WSTE BLDG/WSTRE PROF	1.0	TD	5059.4044	PMTRQ	5,059.40	
12200	..... CSA-FRAMING SYSTEM					\$771,544.66	<i>N.F. Allowed EXCEPT 2/3/87</i>
0021	CSA RFSE BLDG-9"SLAB ON GRADE	1.0	TD	145899.7762	PMTRQ	145,899.78	
0086	CSA ELR-BLR HSE/ELEVTD SLAB	1.0	TD	3682.0255	PMTRQ	3,682.02	
12300	..... CSA-FLOOR STRUCTURE					\$149,581.81	<i>N/A.</i>
✓0024	CSA RFSE BLDG-PRCST CONC WALL	1.0	TD	212931.5714	PMTRQ	212,931.57	<i>Yes it's order control function</i>
12400	..... CSA-EXTERIOR WALLS					\$212,931.57	
✓0042	CSA RFSE BLDG-INT INSLTD GLASS	1.0	TD	2897.7115	PMTRQ	2,897.71	<i>Further examination for purpose order control</i>
✓0044	CSA RFSE BLDG-WIRE GLASS/FRAME	1.0	TD	3083.1651	PMTRQ	3,083.17	<i>Structuring</i>
✓0045	CSA RFSE BLDG-HM DR AND FRAME	1.0	TD	4014.2964	PMTRQ	4,014.30	
0069	CSA CNVYR BLDG-DOORS AND FRAME	1.0	TD	2408.9642	PMTRQ	2,408.96	
0097	CSA ELR-BLP HSE/PREFAB BLEG	1.0	TD	711268.4117	PMTRQ	711,268.41	
0108	CSA ELR-BLR HSE/HM DRSEFRAMES	1.0	TD	18500.9223	PMTRQ	18,500.92	
0154	CSA ELR-WSTE BLDG/DFSEWINDOWS	1.0	TD	2822.3710	PMTRQ	2,822.37	
0163	CSA OFFICE E MICE BLDG/MTL BLD	1.0	TD	90794.9617	PMTRQ	90,794.96	
0164	CSA OFFICE E MICE BLDG/HM DOOR	1.0	FD	3477.2539	PMTRQ	3,477.25	
0165	CSA OFFICE E MICE BLDG/HM DRS	1.0	TD	22606.0137	PMTRQ	22,606.01	
12500	..... CSA-DOORS AND WINDOWS					\$861,674.01	
✓0036	CSA RFSE BLDG-METAL BLDG	1.0	TD	1150913.0707	PMTRQ	1,150,913.07	
0064	CSA CNVYR BLDG-PREFAB BLDG	1.0	TD	267634.5699	PMTRQ	267,634.57	<i>N/A.</i>
12500	..... CSA-PREFABRICATED BUILDINGS					\$1,418,547.64	
0043	CSA RFSE BLDG-OFF MTL PANEL	1.0	TD	2897.7115	PMTRQ	2,897.71	<i>N/A IF OFFICE</i>

✓ If an order structure.

Bonus financing controls. 7/1/88 order dual dry.

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COST REPORT 4

ASSET DETAIL REPDP
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 4
DATE: 07/04/56

ASSET	TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 3E	SEC 3A
0106		CSA BLR-BLR HSE/MASONRY	1.0	TD	179866.6827	PMTRQ	179,866.68	
0107		CSA BLR-BLR HSE/CARPENTRY	1.0	TD	9176.0866	PMTRQ	9,176.09	
0149		CSA BLR-WSTE BLDG/MASONRY	1.0	TD	21636.2462	PMTRQ	21,636.25	
0150		CSA ELR-BLDG/CARPENTRY	1.0	TD	782.3821	PMTRQ	782.38	
0175		CSA OFFICE & MTCE BLDG/DRYWALL	1.0	TD	62946.0215	PMTRQ	62,946.02	
0176		CSA-PISC RVSN	1.0	TD	18993.5333	PMTRQ	18,993.53	
12700	CSA-INTERIOR ENCLOSURES					8296,300.66	N/A
0047		CSA FFSE BLDG-PAINT/STPCTRL	1.0	TD	5358.8345	PMTRQ	5,358.83	
0048		CSA FFSE BLDG-PAINT/STAIRSCHR	1.0	TD	3803.7294	PMTRQ	3,803.73	
0049		CSA FFSE BLDG-PAINT/GRATING	1.0	TD	1216.9707	PMTRQ	1,216.97	
0050		CSA FFSE BLDG-PAINT/DPSEDFCK	1.0	TD	10277.2169	PMTRQ	10,277.22	
0071		CSA CNVYR BLDG-PAINT STRCTRL	1.0	TD	3467.5948	PMTRQ	3,467.59	
0072		CSA CNVYR BLDG-PAINT GRATING	1.0	TD	1823.6265	PMTRQ	1,823.63	
0073		CSA CNVYR BLDG-PAINT HANDFAIL	1.0	TD	3494.6401	PMTRQ	3,494.64	
0074		CSA CNVYR BLDG-PAINT DREFFRAMES	1.0	TD	1750.2178	PMTRQ	1,750.22	
0113		CSA BLR-BLR HSE/PAINTING	1.0	TD	104377.5016	PMTRQ	104,377.50	
0155		CSA ELR-WSTE BLDG/PAINTING	1.0	TD	4280.8859	PMTRQ	4,280.89	
0166		CSA OFFICE & MTCE BLDG/PAINTIN	1.0	TD	7595.8675	PMTRQ	7,595.87	
0173		CSA OFFICE & MTCE BLDG/TILE	1.0	TD	4559.0662	PMTRQ	4,559.07	
12800	CSA-INTERIOR FINISHES					8152,008.16	N/A
0174		CSA OFFICE & MTCE BLDG/SHOWERS	1.0	TD	2667.8264	PMTRQ	2,667.83	
13200	CSA-PLUMBING SYSTEM					82,667.83	N/A
0006		CSA SITE-TRUCK SCALE PIT	1.0	EA	48295.1924	PMTRQ	48,295.19	
15101	CSA-TRUCK SCALE PIT					848,295.19	N/A
0020		CSA FFSE BLDG-16"APPRCH APRON	1.0	TD	79171.2748	PMTRQ	79,171.27	
0027		CSA FFSE BLDG-APRON FORMS	1.0	TD	5820.5366	PMTRQ	5,820.54	
15102	CSA-CONCRETE TRUCK APRONS					844,091.81	N/A
0068		CSA CNVYR BLDG-METAL CANOPY	1.0	TD	11977.2077	PMTRQ	11,977.21	

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COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CITY FL

PAGE: 5
DATE: 02/04/86

ASSET TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 38	SEC 38
15103	CSA-METAL CANGPIES						\$11,577.21
0022	CSA RFSE BLDG-PIT SLAREWALLS	1.0	TD2	71461.4303	PMTRQ		71,461.43
0023	CSA RFSE BLDG-CURB AT PIT	1.0	TD2	1048.9716	PMTRQ		1,048.97
0028	CSA RFSE BLDG-PIT SLAB FORMS	1.0	TD2	66529.5252	PMTRQ		66,529.53
0029	CSA RFSE BLDG-PIT CURB FORMS	1.0	TD2	4290.5449	PMTRQ		4,290.54
15104	CSA-REFUSE BLDG/EQUIPMENT PITS						3143.330.47
0061	CSA CNVYR BLDG-EQUIPMENT GROUT	1.0	TD2	424.9977	PMTRQ		425.00
15105	CSA-CONVEYOR BLDG/EQUIPMENT SETTING						425.00
0087	CSA BLR-BLR HSE/TURFINE FTNGS	1.0	TD2	598.8604	PMTRQ		598.86
0088	CSA BLR-BLR HSE/MISC EQUP CONC	1.0	TD2	7719.5036	PMTRQ		7,719.50
0089	CSA FLR-BLR HSE/FDRPS-EQUP FTG	1.0	TD2	10004.8321	PMTRQ		10,004.83
0115	CSA BLR-EVAP CONDNSR/HAND EXCAV	1.0	TD2	3809.5248	PMTRQ		3,809.52
0116	CSA BLR-EVAP CONDNSR/MACH EXCAV	1.0	TD2	1047.0398	PMTRQ		1,047.04
0117	CSA BLR-EVAP CONDNSR/BACKFILL	1.0	TD2	6504.3965	PMTRQ		6,504.40
0118	CSA BLR-EVAP CONDNSR/CONC	1.0	TD2	27049.1714	PMTRQ		27,049.17
0119	CSA BLR-EVAP CONDNSR/FORMS	1.0	TD2	30912.7867	PMTRQ		30,912.79
0120	CSA FLR-EVAP CONDNSR/REBAR	1.0	TD2	12975.9523	PMTRQ		12,975.95
0121	CSA BLR-EVAP CONDNSR/EMBEDS	1.0	TD2	5787.6959	PMTRQ		5,787.70
0125	CSA FLR-STACK FDN/CONC PAD	1.0	TD2	5412.9252	PMTRQ		5,412.93
0126	CSA BLR-STACK FDN/MACH EXCAV	1.0	TD2	332.2709	PMTRQ		332.27
0127	CSA BLR-STACK FDN/HAND EXCAV	1.0	TD2	88.8632	PMTRQ		88.86
0128	CSA BLR-STACK FDN/BACKFILL	1.0	TD2	560.2742	PMTRQ		560.22
0129	CSA FLR-STACK FDN/FORMWORK	1.0	TD2	3475.3220	PMTRQ		3,475.32
0130	CSA BLR-STACK FDN/REBAR	1.0	TD2	2615.6676	PMTRQ		2,615.67
0131	CSA BLR-STACK FDN/EMBEDS	1.0	TD2	1155.2210	PMTRQ		1,155.22
0132	CSA BLR-STACK FDN/GUY ANCHORS	1.0	TD2	7721.4354	PMTRQ		7,721.44
0133	CSA FLR-PRECIP FDN/CONC MAT	1.0	TD2	23952.4836	PMTRQ		23,952.49
0134	CSA BLR-PRECIP FDN/FORMS	1.0	TD2	2889.9843	PMTRQ		2,889.98
0135	CSA BLR-PRECIP FDN/REBAR	1.0	TD2	10729.2599	PMTRQ		10,729.26
0136	CSA FLR-PRECIP FDN/FNDTNS	1.0	TD2	8519.2719	PMTRQ		8,519.27
0143	CSA BLR-WSTE TRTMT/EQUP FDNS	1.0	TD2	28971.3200	PMTRQ		28,971.32
0156	CSA BLR-FUEL OIL STORAGE/FNDTNS	1.0	TD2	21636.2462	PMTRQ		21,636.25

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3274,470.25

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ASSET DETAIL REPORT
 WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 6
 DATE: 02/04/94

ASSET TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE		NON-SEC 38	SEC 38
				UNIT COST	SOURCE		
0105	CSA BLR-BLP HSE/PNL-DUST PROT.	1.0	TOZ	61808.1872	PMTRQ		61,808.19
15107	..... CSA-BOILER BLDG/DUST PROTECTION PANELS						161,808.19
0122	CSA BLR-EVAP CHDMSR/GALV PR	1.0	TOZ	11576.7537	PMTRQ		11,576.75
15108	..... CSA-BOILER BLDG/EQUIPMENT HANDRAIL						11,576.75
0123	CSA FLR-EVAP CHDMSR/GALV LDDP	1.0	TOZ	1035.4489	PMTRQ		1,035.45
15109	..... CSA-BOILER BLDG/EQUIPMENT LADDEFS						1,035.45
0138	CSA BLR-PRECIP FDN/PLTFRM-GRTG	1.0	TOZ	23954.4154	PMTRQ		23,954.42
15111	..... CSA-BOILER BLDG/EQUIP PLATFORM GRATING						23,954.42
0139	CSA FLR-PRECIP FDN/PLTFRM-HR	1.0	TOZ	9363.4719	PMTRQ		9,363.47
15112	..... CSA-BOILER BLDG/EQUIP PLATFORM HANDRAIL						9,363.47
0140	CSA BLR-PRECIP FDN/PLTFRM-STRS	1.0	TOZ	15545.2565	PMTRQ		15,545.26
15113	..... CSA-BOILER BLDG/EQUIP PLATFORM STAIRS						15,545.26
0141	CSA BLR-PRECIP FDN/PLTFRM-STL	1.0	TOZ	16115.1398	PMTRQ		16,115.14
15114	..... CSA-BOILER BLDG/EQUIP PLATFORM STEEL						16,115.14
0157	CSA BLR-FUEL OIL STRGE/DIKE	1.0	TOZ	2889.9843	PMTRQ		2,889.98
15115 CSA-BOILER BLDG/FUEL OIL STRGE DIKE						2,889.98

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ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 7
DATE: 02/04/96

ASSET	TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	WON-SEC 3P	SEC 3P
		2000- CSA SITE-ASPHALT ROADWAY/TRUCK	5,950.0	SY2	27.0453	PMTRQ		160,919.58
A5202	CONCPETE TRUCK PAVEMENT/ROADWAYS					N/A	\$160,919.58
		2001 CSA CNVYR BLDG-PILESEPILE CAP	1.0	TD2	4949.2913	PMTRQ		4,949.29
A5203	CONVEYOR BLDG EQUIPMENT FOUNDATIONS					GA	\$4,949.29
		0114 CSA BLR-EVAP CONDNSP/PILES	1.0	TD2	20283.9808	PMTRQ		20,283.98
		0124 CSA BLR-STACK FDN/PILES	1.0	TD2	28397.5731	PMTRQ		28,397.57
		0137 CSA BLR-PRECIP FDN/CONC PIERS	1.0	TD2	3301.4594	PMTRQ		3,301.46
		2002 CSA BLR BLDG-PILESEPILE CAPS	1.0	TD2	104176.5936	PMTRQ		104,176.59
A5204	BOILER BLDG EQUIPMENT FOUNDATIONS					N/A	\$104,176.59
		0112 CSA BLR-BLR HSE/ACOUSTICAL	2,168.0	SF2	1.6420	PMTRQ		3,559.94
		0171 CSA OFFICE & MTCE BLDG/ACSTCL	3,710.0	SF2	1.6420	PMTRQ		6,091.56
A5301	CSA-ACOUSTICAL CEILINGS					N/A	\$9,651.90
		0169 CSA OFFICE & MTCE BLDG/CAPPET	151.0	SY2	28.9771	PMTRQ		4,375.54
A5303	CSA-CARPETING					N/A	\$4,375.54
		0110 CSA BLR-BLR HSE/VINYL FLRNG	2,168.0	SF2	1.9318	PMTRQ		4,198.16
		0111 CSA BLR-BLR HSE/VINYL BASE	280.0	LF2	1.3523	PMTRQ		378.63
		0168 CSA OFFICE & MTCE BLDG/VAT	2,174.0	SF2	1.9318	PMTRQ		4,199.75
		0170 CSA OFFICE & MTCE BLDG/V PASE	725.0	LF2	1.3523	PMTRQ		980.39
A5304	CSA-REMOVABLE FLOOR COVERINGS					N/A	\$9,746.93
		0172 CSA OFFICE & MTCE BLDG/TLT PRT	1.0	TD2	9724.7199	PMTRQ		9,724.72
A5307	CSA-TOILET PARTITIONS					N/A	\$9,724.72

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CITY FL

PAGE: 8
DATE: 07/04/86

ASSET TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 3E	SEC 3E
0167	CSA OFFICE & PTCE BLDG/VWC	4,358.0	SF2	1.9318	PMTRQ		8,418.02
15339	..... CSA-VINYL WALL COVERINGS					N/A	58,418.82
0046	CSA FFSE BLDG-OH ROLL DP/MTR	9.0	EA2	8693.1346	PMTRQ		78,232.21
0070	CSA CNVYR BLDG-R.UP DR W/MOTOP	2.0	EA2	6954.5077	PMTRQ		13,909.02
0109	CSA BLR-BLR HSE/R.UP DR W/MTR	2.0	EA2	5563.6062	PMTRQ		11,127.21
15404	..... CSA-CH MOTOR OPERATED POLL UP DGGRS						1103,274.44
0099	CSA BLR-BLR HSE/CRANE FAIL	1.0	TC2	14113.7870	PMTRQ		14,113.70
15405	..... BLR HSE-CRANE RAIL SYSTEM						14,113.70
0177	EQUIP-FFSE BLDG/CONVEYOR SYST	1.0	TC2	18364.8604	PMTRQ		18,264.86
15216	..... EQUIPMENT-REFUSE BUILDING						18,264.86
0178	EQUIP-CNVYR BLDG/CONVEYOR SYST	1.0	TC2	74102.9799	PMTRQ		74,102.99
15217	..... EQUIPMENT-CONVEYOR BUILDING						74,102.98
0179	EQUIP-BLR BLDG/MTR CHUTE	1.0	TC2	4014.9119	PMTRQ		4,014.91
0180	EQUIP-BLR BLDG/PUMPS	1.0	TC2	30375.0180	PMTRQ		30,275.82
0181	EQUIP-BLR BLDG/CONVEYORS	1.0	TC2	13049.4243	PMTRQ		13,049.42
0182	EQUIP-BLR BLDG/TANKS	1.0	TC2	29310.7782	PMTRQ		29,310.78
0183	EQUIP-BLR BLDG/FIRE PUMP	1.0	TC2	2810.4384	PMTRQ		2,810.44
0184	EQUIP-BLR BLDG/FANS	1.0	TC2	28104.3836	PMTRQ		28,104.35
0185	EQUIP-BLR BLDG/BLR SYSTEM	1.0	TC2	237160.2720	PMTRQ		237,160.27
0186	EQUIP-BLR BLDG/MAM.IFT	1.0	TC2	4014.9119	PMTRQ		4,014.91
0187	EQUIP-BLR BLDG/TRUCK SCALE	1.0	TC2	6022.3679	PMTRQ		6,022.37
0188	EQUIP-BLR BLDG/TURBINE HOIST	1.0	TC2	2007.4560	PMTRQ		2,007.46
0189	EQUIP-BLR BLDG/AUX BOILER	1.0	TC2	6022.3679	PMTRQ		6,022.37
0190	EQUIP-BLR BLDG/FUEL STRCE TANK	1.0	TC2	16974.0488	PMTRQ		16,974.05
15212	..... EQUIPMENT-BOILER BUILDING						8379,866.38

Buy in order
CONTRACT
 N/A
 78,232.21
 13,909.02
 11,127.21

1,199,583

18,264.86

74,102.98

8379,866.38

MUST
OK

W/ST
2/2/86

N/A

N/A

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/PAY CNTY FL

PAGE: 9
DATE: 07/04/91

ASSET TY-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 3P	SEC-3A
0245	MECH-SITE/SNTRY SEWER	1.0	TD	32763.3276	PMTRQ	32,763.33	
0251	MECH-SITE/FIRE PROTECTION	1.0	TD	119349.7903	PMTRQ	119,349.79	
C110	..... MECHANICAL-SITE UTILITIES					N/A 8152,113.12	
0307	MECH-OFFENTCE/FIRE PRCTCN	1.0	TD	12558.2832	PMTRQ	N/A 12,558.28	
C310	..... MECHANICAL-FIRE PROTECTION SYSTEM					\$12,558.28	
0277	MECH-BLP BLDG/CITY WATER	1.0	TD	6763.6416	PMTRQ	6,703.64	
0299	MECH-RFSE BLDG/CITY WTR PPG	1.0	TD	80126.7643	PMTRQ	80,126.76	
0301	MECH-RFSE BLDG/ROOF PPGDPAINS	1.0	TD	259.3099	PMTRQ	259.31	
0305	MECH-OFFENTCE/FIXTURES & FRG	1.0	TD	39180.7680	PMTRQ	39,180.77	
C320	..... MECHANICAL-PLUMBING PIPING					\$126,270.49	
0309	MECH-OFFENTCE/HVAC	1.0	TD	52025.2526	PMTRQ	52,025.25	
C330	..... MECHANICAL-HVAC SYSTEM					N/A 52,025.25	
0290	MECH-BLP BLDG/HVAC-ENL EXP	1.0	TD	585.8483	PMTRQ	585.85	
C331	..... MECHANICAL-HVAC EQUIPMENT					\$585.85	
0306	MECH-OFFENTCE/ELECT WTR CLR	1.0	TD	3599.6058	PMTRQ		3,599.61
C360	..... MECHANICAL-ELECTRIC WATER COOLEP					N/A	\$3,599.61
0246	MECH-SIT & COOLING WTR-TOWERS	1.0	TD	11647.8173	PMTRQ		11,647.82
0247	MECH-SITE/CBD SYSTEM	1.0	TD	44324.7085	PMTRQ		44,324.71
0248	MECH-SITE/INDUSTRIAL WTR	1.0	TD	31503.2737	PMTRQ		31,503.27
0249	MECH-SITE/CITY WTR SYSTEM	1.0	TD	11469.8216	PMTRQ		11,469.18
C570	..... MECHANICAL-SITE/EQUIP WATER SYSTEM						\$98,946.98

PROCESSED

WHAT IS FUNCTION OF CITY WATER PIPING OR PRESSURE?

WHAT ARE FUNCTIONS OF FIRE?

OF FIRE?

IF (PROV) OK TO HEAT NO.

WHAT IS FUNCTION?

FUNCTION?

PROCESSED??

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 3
DATE: 02/04/82

ASSET TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	MON-SEC 38	SEC 36
0250	MECH-SITE/FUEL OIL SYSTEM	1.0	TOZ	11455.7359	PMTRQ		11,455.74
C5702	MECHANICAL-SITE/EQUIP FUEL OIL SYSTEM						\$11,455.74
0252	MECH-SITE/INSTRUMENTATION	1.0	TOZ	432.1632	PMTRQ		432.1F
C5703	MECHANICAL-SITE/EQUIP INSTRUMENTATION						\$432.1F
0253	MECH-SITE/WASTE TRTMT F. PROT	1.0	TOZ	1117.9139	PMTRQ		1,117.91
C5704	MECHANICAL-SITE/EQUIP FIRE PROTECTION						\$1,117.91
0254	MECH-BLR BLDG/HOT WTR PIPING	1.0	TOZ	25531.4623	PMTRQ		25,531.46
0255	MECH-BLR BLDG/HOT WTR PPG VLVE	1.0	TOZ	1173.6175	PMTRQ		1,173.67
0256	MECH-BLR BLDG/HP STEAM PPG	1.0	TOZ	46664.2602	PMTRQ		46,664.26
0257	MECH-BLR BLDG/HP STEAM VALVES	1.0	TOZ	12018.5344	PMTRQ		12,018.53
0258	MECH-BLR BLDG/MED PRESS STEAM	1.0	TOZ	47219.3755	PMTRQ		47,219.33
0259	MECH-BLR BLDG/HP STEAM VALVES	1.0	TOZ	4921.1260	PMTRQ		4,921.13
0260	MECH-BLR BLDG/LOW PRESS STEAM	1.0	TOZ	19866.9913	PMTRQ		19,866.98
0261	MECH-BLR BLDG/LP STEAM PPG	1.0	TOZ	2049.5088	PMTRQ		2,049.51
0262	MECH-BLR BLDG/LP CONDSTE PPG	1.0	TOZ	12892.5049	PMTRQ		12,892.50
0263	MECH-BLR BLDG/LP CONDSTE VLVES	1.0	TOZ	4104.7799	PMTRQ		4,104.78
0264	MECH-BLR BLDG/BLR FEED WTR PPG	1.0	TOZ	54831.5621	PMTRQ		54,831.56
0265	MECH-BLR BLDG/CIRC WTR	1.0	TOZ	42061.9893	PMTRQ		42,061.99
0266	MECH-BLR BLDG/CIRC WTR VALVES	1.0	TOZ	14077.6473	PMTRQ		14,077.65
0267	MECH-BLR BLDG/BLOWDOWN PPG	1.0	TOZ	24526.7973	PMTRQ		24,526.80
0268	MECH-BLR BLDG/BLOWDOWN VALVES	1.0	TOZ	484.0452	PMTRQ		484.05
0269	MECH-BLR BLDG/SCSC SYSTEM	1.0	TOZ	1340.7283	PMTRQ		1,340.73
0270	MECH-BLR BLDG/UTILITY WATER	1.0	TOZ	973.8528	PMTRQ		973.85
0271	MECH-BLR BLDG/CHEMICAL FEED	1.0	TOZ	18605.0063	PMTRQ		18,605.01
0272	MECH-BLR BLDG/DIMRZD WTR	1.0	TOZ	24054.3562	PMTRQ		24,054.36
0273	MECH-BLR BLDG/COOLING WTR SYST	1.0	TOZ	68972.5963	PMTRQ		68,972.60
0274	MECH-BLR BLDG/BCWS-PCWF SYSTEM	1.0	TOZ	17562.0042	PMTRQ		17,562.00
0275	MECH-BLR BLDG/CPS-CFD SYSTEM	1.0	TOZ	19031.4271	PMTRQ		19,031.43
0276	MECH-BLR BLDG/BBQ SYSTEM	1.0	TOZ	23489.6368	PMTRQ		23,489.64
0278	MECH-BLR BLDG/INDSTPL WASTE	1.0	TOZ	5026.7708	PMTRQ		5,026.77
0279	MECH-BLR BLDG/FUEL OIL PPG	1.0	TOZ	38650.6233	PMTRQ		38,650.62
0280	MECH-BLR BLDG/FUEL OIL VALVES	1.0	TOZ	3720.6171	PMTRQ		3,720.62
C5705	MECHANICAL-BOILER BLDG/EQUIP PPG/VALVES						\$533,853.83

INTERNAL FINALS PREPARING? IF SO YU

WHAT IS IT DO WHATS IT DO

N/A

WHAT IS IT? FUNCTION

11-17-82

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COST REPORT #

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENRGY/BAY CNTY FL

PAGE: 11
DATE: 02/04/86

ASSET	TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 36	SEC 36
	0281	MECH-BLR BLDG/PROPANE SYSTEM	1.0	TO2	12396.8557	PMTRQ		12,396.36
(570F	.....	MECHANICAL-BOILER BLDG/PROPANE SYSTEM						12,396.36
	0282	MECH-BLR BLDG/ACID SYSTEM	1.0	TO2	1886.2395	PMTRQ		1,886.24
(5709	.....	MECHANICAL-BOILER BLDG/ACID SYSTEM						1,886.24
	0283	MECH-BLR BLDG/TURBINE EXH SYST	1.0	TO2	122319.3690	PMTRQ		122,319.37
(5711	.....	MECHANICAL-BOILER BLDG/TURBINE EXH SYST						122,319.37
	0284	MECH-BLR BLDG/ASH HNDLNG SYST	1.0	TO2	14187.1337	PMTRQ		14,187.13
(5712	.....	MECHANICAL-BOILER BLDG/ASH HANDLING SYST						14,187.13
	0285	MECH-BLR BLDG/CAUSTIC WASTE	1.0	TO2	2022.6174	PMTRQ		2,022.62
(5713	.....	MECHANICAL-BOILER BLDG/CAUSTIC WASTE SYST						2,022.62
	0286	MECH-BLR BLDG/FIRE PRCTCN	1.0	TO2	43414.2425	PMTRQ		43,414.24
(5714	.....	MECHANICAL-BOILER BLDG/EQUIP FIRE PRCTCN						43,414.24
	0287	MECH-BLR BLDG/HVAC-EXH SYSTEM	1.0	TO2	45091.1133	PMTRQ		45,091.11
	0288	MECH-BLR BLDG/HVAC-HEAT PLMP	1.0	TO2	180.5565	PMTRQ		180.56
	0289	MECH-BLR BLDG/HVAC-UNIT HTRS	1.0	TO2	5508.8951	PMTRQ		5,508.90
	0291	MECH-BLR BLDG/HVAC-EXP TANK	1.0	TO2	656.9185	PMTRQ		656.92
(5715	.....	MECHANICAL-BOILER BLDG/EQUIP HVAC SYSTEM						51,437.49
	0292	MECH-BLR BLDG/INSTRUMENTATION	1.0	TO2	36495.4698	PMTRQ		36,495.47
(5716	.....	MECHANICAL-BOILER BLDG/INSTRUMENTATION						36,495.47

How is it different than ES 8.01 - 0316 quantity.

WHAT IS ES.

N/A

*ES 8.01
or other INSTRUMENTATION
WHAT'S THE DIFF
WHAT DO THEY DO*



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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENRGY/BAY CNTY FL

PAGE: 17
DATE: 07/04/86

ASSET	TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 38	SEC 38
	0293	MECH-BLR BLDG/EQUIP PPG INSLTN	1.0	TD2	76826.8055	PMTRQ		76,826.51
(5717	.....	MECHANICAL-BOILER BLDG/PIPING INSULATION						976,826.51
	0294	MECH-CONVYR BLDG/FIRE PROTIN	1.0	TD2	6033.2774	PMTRQ	N/A	6,033.29
(5718	.....	MECHANICAL-CONVEYOR BLDG/EQUIP FIRE PROT						16,033.29
	0295	MECH-CONVYR BLDG/GRVTY PF VENTS	1.0	TD2	50859.3184	PMTRQ		50,859.32
(5719	.....	MECHANICAL-CONVEYOR BLDG/EXHAUST SYSTEM						50,859.32
	0296	MECH-RFSE BLDG/WASTE PPG	1.0	TD2	28287.8307	PMTRQ		28,287.83
	0297	MECH-RFSE BLDG/FLR DRAIN PPG	1.0	TD2	41660.5392	PMTRQ		41,660.54
	0298	MECH-RFSE BLDG/GREASE INTFCPTR	1.0	TD2	7420.1053	PMTRQ		7,420.11
	0300	MECH-RFSE BLDG/WASHDOWN PPG	1.0	TD2	36213.1101	PMTRQ		36,213.11
	0304	MECH-RFSE BLDG/DRAIN PIPING	1.0	TD2	12366.2018	PMTRQ		12,366.20
(5721	.....	MECHANICAL-REF USE BLDG/EQUIP PPG SYSTEM						125,847.79
	0302	MECH-RFSE BLDG/FIRE PROTECTION	1.0	TD2	95568.1897	PMTRQ		95,568.19
(5722	.....	MECHANICAL-REF USE BLDG/EQUIP FIRE PROT						95,568.19
	0303	MECH-RFSE BLDG/GRVTY ROOF VENT	1.0	TD2	97915.4246	PMTRQ		97,915.42
(5723	.....	MECHANICAL-REF USE BLDG/EXHAUST SYSTEM						97,915.42
	0308	MECH-OFFEMTCE/EQUIP VACUUM PPG	1.0	TD2	30256.6653	PMTRQ		30,256.67
(5724	.....	MECHANICAL-OFFEMTCE BLDG/EQUIP VAC PPG						30,256.67
	0310	MECH-ADDER /COMPRESSED AIR	1.0	TD2	65355.7031	PMTRQ		65,355.70
(5725	.....	MECHANICAL-ADDER /COMPRESSED AIR SYSTEM						65,355.70

*GENERAL EXHAUST
FROM COMBUSTION
OR PROCESS EXHAUST*

95,568.19

*GENERAL
OR
PROCESS*

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/RAY CNTY FL

PAGE: 13
DATE: 07/04/86

ASSET TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NO4-SEC 3P	SEC 3A
0311	MECH-ADDER/INSTRUMENT AIR	1.0	TDQ	15174.4322	PMTRQ	<i>How is this 15000? 650</i>	15,174.43
05726	..... MECHANICAL-ADDER/INSTRUMENT AIR SYSTEM						15,174.43
0312	MECH-ADDER/PIPE PAINTING	1.0	TDQ	22734.7569	PMTRQ		22,734.76
05727	..... MECHANICAL-ADDER/PIPING SYSTEM PAINTING					<i>N/A</i>	22,734.76
3011	MECH-OFFENTCE/FIXTURES & PPG	1.0	TDQ	4353.0136	CLIENT		4,353.01
05728	..... MECHANICAL-OFFENTCE/FIXT & PPG					<i>N/A</i>	4,353.01
3012	MECH-OFFENTCE/HVAC	1.0	TDQ	5782.2467	CLIENT		5,782.25
05729	..... MECHANICAL-OFFENTCE/HVAC					<i>N/A</i> <i>1990/482</i>	5,782.25
0192	ELECT-SITE/PHW DISTRIBUTION	1.0	TDQ	5559.4114	PMTRQ		5,559.41
0197	ELECT-SITE/GROUND SYSTEM	1.0	TDQ	3254.1959	PMTRQ		3,254.20
0110	..... ELECTRICAL-SITE UTILITIES						8,813.61
0212	ELECT-RFSE BLDG/FIRE ALARM SYS	1.0	TDQ	18772.1385	PMTRQ		18,772.14
0223	ELECT-CNVYR BLDG/FIRE ALARM	1.0	TDQ	3313.7473	PMTRQ		3,313.75
0232	ELECT-BLR BLDG/FIRE ALARM SYST	1.0	TDQ	10225.5519	PMTRQ		10,225.55
0238	ELECT-OFFENTCE/FIRE ALARM SYST	1.0	TDQ	3842.0259	PMTRQ		3,842.03
0243	ELECT-WSTE TRTMT/FIRE ALARM	1.0	TDQ	172.8912	PMTRQ		172.89
01100	..... ELECTRICAL-FIRE PROTECTION SYSTEM						36,326.36
0198	ELECT-RFSE BLDG/LTG PANEL	1.0	TDQ	522.5155	PMTRQ		522.52
0201	ELECT-RFSE BLDG/GNL USE DPLX	1.0	TDQ	637.7763	PMTRQ		637.78
0205	ELECT-RFSE BLDG/GNL CNCTWR	1.0	TDQ	51744.4046	PMTRQ		51,744.40
0220	ELECT-CNVYR BLDG/GNL DPLX	1.0	TDQ	637.7763	PMTRQ		637.78
0221	ELECT-CNVYR BLDG/GNL CNCTWR	1.0	TDQ	6060.7958	PMTRQ		6,060.80
0229	ELECT-BLR BLDG/GNL USE DPLX	1.0	TDQ	1183.3440	PMTRQ		1,183.34
0230	ELECT-BLR BLDG/GNL CNCTWR	1.0	TDQ	14722.6432	PMTRQ		14,722.64

WHAT IS THE FUNCTION IS IT PART OF PROCESS.

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
W/STINGHOUSE-WASTE TO ENERGY/SAY CATY FL

PAGE: 14
DATE: 07/04/86

ASSET TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 3E	SEC 3E
0236	ELECT-BLR BLDG/LIGHTING PROT	1.0	TD2	24237.4203	PMTRQ	24,237.42	
0240	ELECT-OFF/PTCE/PHR & LTG	1.0	TC2	47554.6753	PMTRQ	47,554.68	
04100	..... ELECTRICAL-POWER WIRING					\$147,301.36	
0206	ELECT-RFSE BLDG/GNL LTG	1.0	TD2	53968.9375	PMTRQ	53,968.94	
0211	ELECT-RFSE BLDG/GNL LITE CNDT	1.0	TD2	21982.1511	PMTRQ	21,982.15	
0222	ELECT-CNVYR BLDG/LIGHTING	1.0	TD2	6717.7823	PMTRQ	6,717.78	
0231	ELECT-BLR BLDG/LIGHTING	1.0	TC2	54691.2394	PMTRQ	54,691.24	
0242	ELECT-WSTE TRTMT/LIGHTING	1.0	TD2	866.2978	PMTRQ	866.30	
04200	..... ELECTRICAL-LIGHTING SYSTEM					\$138,228.41	
2003	ELECT-SITE/EQUIP PRIMARY PWR	1.0	TD2	50225.0980	PMTRQ		50,225.10
2004	ELECT-SITE/EQUIP GROUND SYST	1.0	TC2	29283.9213	PMTRQ		29,283.92
05205	..... SITE-ELECT/EQUIP PRIMARY POWER SYSTEM						\$79,309.02
2005	ELECT-MTCE SHCP EQUIP POWER	1.0	TD2	15850.2778	PMTRQ		15,850.28
05206	..... ELECT-MTCE SHCP EQUIP POWER						\$15,850.28
0191	ELECT-SITE/BLR GRNTP CMTWPIE	1.0	TC2	17859.6573	PMTRQ		17,859.66
05501	..... ELECTRICAL-SITE/BOILER GENERATOR POWER						\$17,859.66
0199	ELECT-RFSE BLDG/EQUIP MTR CNCTN	1.0	TD2	1217.9222	PMTRQ		1,217.92
0200	ELECT-RFSE BLDG/EQUIP DSC. SMT	1.0	TD2	1807.6732	PMTRQ		1,807.67
0202	ELECT-RFSE BLDG/60A WLDG PPLX	1.0	TD2	1392.7344	PMTRQ		1,392.73
0203	ELECT-RFSE BLDG/WLDG 60A FEED	1.0	TD2	6658.2309	PMTRQ		6,658.23
0204	ELECT-RFSE BLDG/EQUIP CONDUIT	1.0	TD2	5618.9629	PMTRQ		5,618.96
05502	..... ELECTRICAL-REF USE BLDG/EQUIP HOOK UPS						\$16,695.51
0208	ELECT-RFSE BLDG/SIGNAL LIGHT	1.0	TC2	2255.2692	PMTRQ		2,255.27
0210	ELECT-RFSE BLDG/SGNL LTG CNDT	1.0	TD2	1657.8342	PMTRQ		1,657.83

*Gen'l
LIGHTING
ON system
Related.*

OK \$79,309.02

N/A \$15,850.28

OK \$17,859.66

*define more
clearly
with
function*

\$16,695.51

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VALTEC ASSOCIATES
COST REPORT A

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 15
DATE: 02/04/86

ASSET TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 38	SEC. 38
05503	..... ELECTRICAL-REFUSE BLDG/SAFETY LIGHTING					N/A	83,913.10
0207	ELECT-REFUSE BLDG/WALL 400W HPS	1.0	TD2	11207.1895	PMTRQ		11,207.19
0209	ELECT-REFUSE BLDG/WALL LTG CNDT	1.0	TD2	2762.4166	PMTRQ		2,762.42
05504	..... ELECTRICAL-REFUSE BLDG/EQUIP LIGHTING					ok	133,969.61
0216	ELECT-CNVYP BLDG/EQUP MTR CONN	1.0	TD2	868.2978	PMTRQ	Definitely more clearly what is function	868.30
0217	ELECT-CNVYR BLDG/EQUP DISC SW	1.0	TD2	1169.2969	PMTRQ		1,169.00
0218	ELECT-CNVYR BLDG/EQUP CNDT	1.0	TD2	8608.0590	PMTRQ		8,608.06
0219	ELECT-CNVYR BLDG/EQUP WIRE	1.0	TD2	4881.2939	PMTRQ		4,881.29
05505	..... ELECTRICAL-CONVEYOR BLDG/EQUIP HOOK UPS						115,227.55
0224	ELECT-BLR BLDG/BLR EQUIP FWP	1.0	TD2	64790.0034	PMTRQ		64,790.00
0225	ELECT-BLR BLDG/BLR MTR CNDTMS	1.0	TD2	16495.7381	PMTRQ		16,495.74
0226	ELECT-BLR BLDG/EQUP DISC SWTCH	1.0	TD2	21383.5849	PMTRQ		21,383.58
0227	ELECT-BLR BLDG/EQUP CNDT WIRE	1.0	TD2	189261.2470	PMTRQ		189,261.25
05506	..... ELECTRICAL-BOILER BLDG/EQUIP HOOK UPS						329,1930.57
0228	ELECT-BLR BLDG/15KW UPS SYST	1.0	TD2	34664.6785	PMTRQ	ok	34,664.68
05507	..... ELECTRICAL-BOILER BLDG/UPS SYSTEM						334,664.68
0237	ELECT-BLR BLDG/INSTRUMENTATION	1.0	TD2	118328.6341	PMTRQ	Instr. 65801 how is it different	118,328.63
05508 ELECTRICAL-BOILER BLDG/INSTRUMENTATION						
0241	ELECT-WSTE TRTMT/EQUP PWP	1.0	TD2	643.5393	PMTRQ	we don't know. might be ok.	643.54
0244	ELECT-WSTE TRTMT/EQUP FEEDERS	1.0	TD2	3928.4715	PMTRQ		3,928.47
05509 ELECTRICAL-WSTE TRTMT/EQUIP HOOK UPS						94,572.01

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TALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 14
DATE: 02/04/91

ASSET	TK-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 38	SEC 38
	0193	ELECT-SITE/ROADWAY LIGHTING	1.0	TOD	85661.8090	PMTRQ		85,661.81
05511	.....	ELECTRICAL-SITE/ROADWAY LIGHTING						<u>\$85,661.81</u>
	3006	ELECT-CNVYP BLDG/SPCL LTG	1.0	TOD	745.3530	CLIENT		745.35
	3007	ELECT-RFSE BLDG/SPCL LTG	1.0	TOD	5997.4024	CLIENT		5,997.40
	3008	ELECT-RFSE BLDG/SPCL LTG CNDT	1.0	TOD	2443.5265	CLIENT		2,443.53
	3009	ELECT-BLR BLDG/SPCL LTG	1.0	TOD	6076.1639	CLIENT		6,076.16
	3010	ELECT-WSTE TRMNT/SPCL LTG	1.0	TOD	96.0506	CLIENT		96.05
	3013	ELECT-CNVYP BLDG/SPCL LTG CNDT	1.0	TOD	674.2755	CLIENT		674.25
	3014	ELECT-BLR BLDG/SPCL LTG CNDT	1.0	TOD	1636.7030	CLIENT		1,636.70
05512	.....	ELECTRICAL-SPECIAL LIGHTING						<u>\$17,669.47</u>
	0194	ELECT-SITE/TELEPHONE SYSTEM	1.0	TOD	1010.4528	PMTRQ		1,010.45
	0213	ELECT-RFSE BLDG/TEL SYSTEM	1.0	TOD	2130.4034	PMTRQ		2,130.40
	0234	ELECT-BLR BLDG/TEL SYSTEM	1.0	TOD	2437.7654	PMTRQ		2,437.77
05600	.....	ELECTRICAL-TELEPHONE SYSTEM						<u>\$5,578.62</u>
	0196	ELECT-SITE/INTERCOM SYSTEM	1.0	TOD	1863.3226	PMTRQ		1,863.36
	0214	ELECT-RFSE BLDG/INTERCOM SYST	1.0	TOD	6485.3397	PMTRQ		6,485.34
	0233	ELECT-BLR BLDG/INTERCOM SYSTEM	1.0	TOD	4702.6397	PMTRQ		4,702.64
	0239	ELECT-OFFEMTCE/INTERCOM SYSTEM	1.0	TOD	3169.6714	PMTRQ		3,169.67
05611	.....	ELECTRICAL-INTERCOMMUNICATION SYSTEM						<u>\$16,221.03</u>
	0195	ELECT-SITE/CCTV SYSTEM	1.0	TOD	2082.3780	PMTRQ		2,082.38
	0215	ELECT-RFSE BLDG/CCTV SYSTEM	1.0	TOD	7749.3662	PMTRQ		7,749.37
	0235	ELECT-BLR BLDG/CCTV SYSTEM	1.0	TOD	5620.8839	PMTRQ		5,620.88
05613	.....	ELECTRICAL-CLOSED CIRCUIT TV SYSTEM						<u>\$15,452.63</u>
	0315	OWNER-EQUIP/PLUMBING	1.0	TOD	106688.3749	CLIENT	106,688.37	106,688.37
05200	.....	OWNER-PLUMBING SYSTEM						<u>\$106,688.37</u>

N/A

*WHAT IS IT?
OR SEDS
PROCESS RELATED?*

N/A

*What is it?
Sediment
Process?*

Probably NO.

OK

2752135

*WHAT IS IT
WHAT IS
FUNCTION.
HOW IS IT
DIFFERENT?*

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VALTEC ASSOCIATES
COST REPORT 4

ASSET DETAIL REPORT
WESTINGHOUSE-WASTE TO ENERGY/BAY CNTY FL

PAGE: 17
DATE: 07/04/88

ASSET	TR-OFF	DESCRIPTION	QUANTITY	UNIT	IN-PLACE UNIT COST	SOURCE	NON-SEC 38	SEC 38 -
	0314	OWNER-EQUIP/HVAC	1.0	T02	118177.8922	CLIENT	118,177.89	<i>same AS 0315</i>
E3300	.....	OWNER-HVAC SYSTEM					\$118,177.89	
	0319	OWNER-EQUIP/ELECTRICAL	1.0	T02	34058.2120	CLIENT	34,058.21	<i>DIFFERENT</i>
<u>E4100</u>	.....	OWNER-POWER WIRING					\$34,058.21	
	2006	OWNER-UPS SYSTEM	1.0	T02	82067.9807	PMTRQ		<i>DIFFERENT AS 2007</i>
E5612	.....	OWNER-UPS SYSTEM					\$82,067.98	
	2007	OWNER-CCTV SYSTEM	1.0	T02	106688.3749	PMTRQ		<i>DIFFERENT</i>
E5613	.....	OWNER-CCTV SYSTEM					\$106,688.37	
	0313	OWNER-EQUIP/VHICLESEINSTLTA	1.0	T02	8827232.0025	CLIENT	8,827,232.00	
	0316	OWNER-EQUIP/COMBUSTOREFOILER	1.0	T02	15264644.4075	CLIENT	15,264,644.41	
	0317	OWNER-EQUIP/TURBINE ENGINE	1.0	T02	2954447.3047	CLIENT	2,954,447.30	
	0318	OWNER-EQUIP/INSTANTSECNTROLS	1.0	T02	1572422.5099	CLIENT	1,572,422.51	
	0320	OWNER-EQUIP/FEEDWATER HTRS	1.0	T02	533441.8745	CLIENT	533,441.87	
	0321	OWNER-EQUIP/SHREDDEP	1.0	T02	656543.8455	CLIENT	656,543.85	
	<u>3001</u>	OWNER-EQUIP/ELECTRICAL	1.0	T02	647106.0277	CLIENT	647,106.03	
	3002	OWNER-EQUIP/HVAC CONTROLS	1.0	T02	52523.5076	CLIENT	52,523.51	
	3004	OWNER-EQUIP/BLR-ROOF VTLTRS	1.0	T02	39392.6307	CLIENT	39,392.63	
	3005	OWNER-EQUIP/VALVE CONTROLS	1.0	T02	52523.5300	CLIENT	52,523.53	
E5901	.....	OWNER-EQUIPMENT					\$30,607,777.64	

PROJECT TOTAL

\$7,344,641.11 \$34,682,358.99
\$42,027,000.00

ATTACHMENT 2

BAY COUNTY RESOURCE MANAGEMENT CENTER
ORIGINAL FACILITY COSTS

Asset Take-Off	Description	Quantity	Unit	In-Place Unit Cost	Source	Non-Section 38
0001	CSA Site Clearing & Grading	1	To	317,203	PMTRQ	317,203
1100	CSA-Site Improvements					317,203
0002	CSA Site-Storm System	1	To	65,846	PMTRQ	65,846
0009	CSA Site-Headwalls/Storm	1	To	17,193	PMTRQ	17,193
1110	CSA-Site Utilities					83,039
0051	CSA-Conveyor Bldg-Machine Excavation	1	To	1,601	PMTRQ	1,601
0052	CSA-Conveyor Bldg-Hand Excavation	1	To	719	PMTRQ	719
0053	CSA-Conveyor Bldg-Machine Backfill	1	To	2,376	PMTRQ	2,376
0054	CSA-Conveyor Bldg-Hand Backfill	1	To	415	PMTRQ	415
0055	CSA-Conveyor Bldg-Fine Grade	1	To	668	PMTRQ	668
0056	CSA-Conveyor Bldg-Stone Fill	1	To	3,725	PMTRQ	3,725
0057	CSA-Conveyor Bldg-Vapor Barrier	1	To	475	PMTRQ	475
0058	CSA-Conveyor Bldg-Piles & Pile Caps	1	To	28,046	PMTRQ	28,046
0059	CSA-Conveyor Bldg-Grade Beam	1	To	1,319	PMTRQ	1,319
0060	CSA-Conveyor Bldg-Slab on Grade	1	To	10,888	PMTRQ	10,888
0062	CSA-Conveyor Bldg-Formwork	1	To	8,604	PMTRQ	8,604
0063	CSA-Conveyor Bldg-Concrete Rebar	1	To	4,076	PMTRQ	4,076
0076	CSA-Boiler Bldg-HSE/Machine Excavation	1	To	10,140	PMTRQ	10,140
0077	CSA-Boiler Bldg-HSE/Hand Excavation	1	To	4,493	PMTRQ	4,493
0078	CSA-Boiler Bldg-HSE/Machine Backfill	1	To	15,035	PMTRQ	15,035
0079	CSA-Boiler Bldg-HSE/Hand Backfill	1	To	2,592	PMTRQ	2,592
0080	CSA-Boiler Bldg-HSE/Fine Grade	1	To	2,185	PMTRQ	2,185
0081	CSA-Boiler Bldg-HSE/Stone Fill	1	To	15,190	PMTRQ	15,190
0082	CSA-Boiler Bldg-HSE/Vapor Barrier	1	To	1,553	PMTRQ	1,553
0083	CSA-Boiler Bldg-HSE/Piles & Pile Cap	1	To	156,264	PMTRQ	156,264
0084	CSA-Boiler Bldg-HSE/Grade Beam	1	To	5,940	PMTRQ	5,940
0085	CSA-Boiler Bldg-HSE/Slab on Grade	1	To	31,288	PMTRQ	31,288
0090	CSA-Boiler Bldg-HSE/Forms-Piles	1	To	16,343	PMTRQ	16,343
0091	CSA-Boiler Bldg-HSE/Forms-Slabs	1	To	477	PMTRQ	477
0092	CSA-Boiler Bldg-HSE/Forms-Grade Beam	1	To	21,967	PMTRQ	21,967
0093	CSA-Boiler Bldg-HSE/Forms-Slab on Grade	1	To	3,873	PMTRQ	3,873
0094	CSA-Boiler Bldg-HSE/Forms-Misc.	1	To	23,748	PMTRQ	23,748
0095	CSA-Boiler Bldg-HSE/Concrete Finish	1	To	15,756	PMTRQ	15,756
0096	CSA-Boiler Bldg-HSE/Concrete Rebar	1	To	50,606	PMTRQ	50,606
0142	CSA-Boiler-Waste Treatment/Foundations	1	To	48,110	PMTRQ	48,110
0144	CSA-Boiler-Waste Bldg/Earthwork	1	To	3,245	PMTRQ	3,245
0145	CSA-Boiler-Waste Bldg/Slab on Grade	1	To	1,466	PMTRQ	1,466
0146	CSA-Boiler-Waste Bldg/Formwork	1	To	920	PMTRQ	920
0147	CSA-Boiler-Waste Bldg/Finish	1	To	415	PMTRQ	415
0148	CSA-Boiler-Waste Bldg/Reinforcing	1	To	1,428	PMTRQ	1,428
2100	CSA-Substructure					495,947
0065	CSA-Conveyor Bldg-Structural	1	To	61,659	PMTRQ	61,659
0066	CSA-Conveyor Bldg-Grating	1	To	17,543	PMTRQ	17,543
0067	CSA-Conveyor Bldg-Handrail	1	To	19,463	PMTRQ	19,463
0098	CSA-Boiler Bldg-HSE/Structural	1	To	154,147	PMTRQ	154,147
0100	CSA-Boiler Bldg-HSE/Metal Deck	1	To	5,401	PMTRQ	5,401
0101	CSA-Boiler Bldg-HSE/Grating	1	To	263,141	PMTRQ	263,141
0102	CSA-Boiler Bldg-HSE/Handrail	1	To	34,601	PMTRQ	34,601
0103	CSA-Boiler Bldg-HSE/Stairs	1	To	57,840	PMTRQ	57,540
0104	CSA-Boiler Bldg-HSE/Landings	1	To	17,276	PMTRQ	17,276
0151	CSA-Boiler-Waste Bldg/Bar Joists	1	To	1,522	PMTRQ	1,522
0152	CSA-Boiler-Waste Bldg/Deck	1	To	1,095	PMTRQ	1,095
0153	CSA-Boiler-Waste Bldg/Mstre Pfdt	1	To	5,059	PMTRQ	5,059
2200	CSA-Framing System					638,448

Asset Detail Report-Worksheet

Asset Take-Off	Description	Quantity	Unit	In-Place Unit Cost	Source	Non-Section 38
0086	CSA-Boiler Bldg-HSE/Elevated Slab	1	To	3,682	PMTRQ	3,682
2300	CSA-Floor Structure					3,682
0069	CSA-Conveyor Bldg-Doors & Frame	1	To	2,409	PMTRQ	2,409
0097	CSA-Boiler Bldg-HSE/Prefab Bldg	1	To	711,268	PMTRQ	711,268
0108	CSA-Boiler Bldg-HSE/HM Doors & Frames	1	To	18,501	PMTRQ	18,501
0154	CSA-Boiler-Waste Bldg/Doors & Windows	1	To	2,822	PMTRQ	2,822
2600	CSA-Doors & Windows					735,001
0064	CSA-Conveyor Bldg-Prefab Bldg	1	To	267,635	PMTRQ	267,635
2650	CSA-Prefabricated Buildings					267,635
0106	CSA-Boiler Bldg-HSE/Masonry	1	To	179,869	PMTRQ	179,869
0107	CSA-Boiler Bldg-HSE/Carpentry	1	To	9,176	PMTRQ	9,176
0149	CSA-Boiler-Waste Bldg/Masonry	1	To	21,636	PMTRQ	21,636
0150	CSA-Boiler Bldg/Carpentry	1	To	782	PMTRQ	782
0176	CSA-Misc. Revisions	1	To	18,994	PMTRQ	18,994
2700	CSA-Interior Enclosures					230,457
0071	CSA-Conveyor Bldg-Paint Structural	1	To	3,468	PMTRQ	3,468
0072	CSA-Conveyor Bldg-Paint Grating	1	To	1,824	PMTRQ	1,824
0073	CSA-Conveyor Bldg-Paint Handrail	1	To	3,495	PMTRQ	3,495
0074	CSA-Conveyor Bldg-Paint Doors & Frames	1	To	1,750	PMTRQ	1,750
0113	CSA-Boiler Bldg-HSE/Painting	1	To	104,378	PMTRQ	104,378
0155	CSA-Boiler-Waste Bldg/Painting	1	To	4,281	PMTRQ	4,281
2800	CSA-Interior Finishes					119,194
0068	CSA-Conveyor Bldg-Metal Canopy	1	To	11,977	PMTRQ	11,977
5103	CSA-Metal Capopies					11,977
00887	CSA-Boiler Bldg-HSE/Misc Equipment Concrete	1	To	7,720	PMTRQ	7,720
0089	CSA-Boiler Bldg-HSE/Forms-Equipment Footings	1	To	10,005	PMTRQ	10,005
0143	CSA-Boiler-Waste Treatment/Equipment Foundations	1	To	28,971	PMTRQ	28,971
0156	CSA-Boiler-Fuel Oil Storage Footings	1	To	21,636	PMTRQ	21,636
5106	CSA-Boiler Building/Equipment Footings & Foundations					68,332
0105	CSA-Boiler Bldg-HSE/Panel Dust Protection	1	To	61,808	PMTRQ	61,808
5107	CSA-Boiler Building/Dust Protection Panels					61,808
0157	CSA-Boiler-Fuel Oil Storage/Dike	1	To	2,890	PMTRQ	2,890
5115	CSA-Boiler-Fuel Oil Storage/Dike					2,890
2001	CSA-Conveyor Bldg-Piles & Pile Caps	1	To	4,949	PMTRQ	4,949
5203	Conveyor Building Equipment Foundations					4,949
2002	CSA-Boiler Bldg-Piles & Pile Caps	1	To	104,177	PMTRQ	104,177
5204	Boiler Building Equipment Foundations					104,177
0112	CSA-Boiler Bldg-HSE/Acoustical	2168	SF	2	PMTRQ	3,560
5301	CSA-Acoustical Ceilings					3,560
0110	CSA-Boiler Bldg-HSE/Vinyl Flooring	2168	SF	2	PMTRQ	4,188
0111	CSA-Boiler Bldg-HSE/Vinyl Base	280	LF	1	PMTRQ	379
5304	CSA-Removable Floor Coverings					4,567
0070	CSA-Conveyor Bldg-Rollup Door W/Motor	2	EA	6,955	PMTRQ	13,909
0109	CSA-Boiler Bldg-HSE/Vinyl Flooring	2	EA	5,564	PMTRQ	11,127
5404	CSA-Channel Motor Operated Roll Up Doors					25,036
0099	CSA-Boiler-Boiler HSE/Crane Rail	1	TO	14,114	PMTRQ	14,114
5405	Boiler HSE-Crane Rail System					14,114

Asset Detail Report-Worksheet

Asset Take-Off	Description	Quantity	Unit	In-Place Unit Cost	Source	Non-Section 38
0177	EQUIP-Refuse Bldg/Conveyor System	1	TO	18,365	PMTRQ	18,365
5216	Equipment-Refuse Building					18,365
0178	EQUIP-Conveyor Bldg/Conveyor System	1	TO	74,103	PMTRQ	74,103
5217	Equipment-Conveyor Building					74,103
0179	EQUIP-Boiler Bldg/Water Chute	1	To	4,015	PMTRQ	4,015
0180	EQUIP-Boiler Bldg/Pumps	1	To	30,375	PMTRQ	30,375
0181	EQUIP-Boiler Bldg/Conveyors	1	To	13,049	PMTRQ	13,049
0182	EQUIP-Boiler Bldg/Tanks	1	To	29,311	PMTRQ	29,311
0184	EQUIP-Boiler Bldg/Fans	1	To	28,104	PMTRQ	28,104
0185	EQUIP-Boiler Bldg/Boiler System	1	To	237,160	PMTRQ	237,160
0189	EQUIP-Boiler Bldg/Auxiliary Boiler	1	To	6,022	PMTRQ	6,022
0190	EQUIP-Boiler Bldg/Fuel Storage Tank	1	To	16,974	PMTRQ	16,974
5218	Equipment-Boilder Building					365,011
02458	MECH-Site/Sntry Sewer	1	To	32,763	PMTRQ	32,763
1110	Mechanical Site Utilities					32,763
0290	MECH-Boiler Bldg-HVAC General Exhaust	1	To	586	PMTRQ	586
3310	Mechanical-HVAC Equipment					586
0250	MECH-Site/Fuel Oil System	1	TO	11,456	PMTRQ	11,456
5702	Mechanical Site/Equipment Fuel Oil System					11,456
0252	MECH-Site/Instrumentation	1	TO	432	PMTRQ	432
5703	Mechanical-Site/Equipment Instrumentation					432
0254	MECH-Boiler Bldg/Hot Water Piping	1	TO	25,531	PMTRQ	25,531
0255	MECH-Boiler Bldg/Hot Water PPG Valve	1	TO	1,174	PMTRQ	1,174
0256	MECH-Boiler Bldg/High Pressure Steam PPG	1	TO	46,664	PMTRQ	46,664
0257	MECH-Boiler Bldg/High Pressure Steam Valves	1	TO	12,019	PMTRQ	12,019
0258	MECH-Boiler Bldg/Medium Pressure Steam	1	TO	47,219	PMTRQ	47,219
0259	MECH-Boiler Bldg/Medium Pressure Steam Valves	1	TO	4,921	PMTRQ	4,921
0260	MECH-Boiler Bldg/Low Pressure Steam	1	TO	19,867	PMTRQ	19,867
0261	MECH-Boiler Bldg/Low Pressure PPG	1	TO	2,050	PMTRQ	2,050
0262	MECH-Boiler Bldg/Low Pressure Condensed Steam PPG	1	TO	12,893	PMTRQ	12,893
0263	MECH-Boiler Bldg/Low Pressure Condensed Steam Valves	1	TO	4,105	PMTRQ	4,105
0264	MECH-Boiler Bldg/Boiler Feed Water PPG	1	TO	54,832	PMTRQ	54,832
0267	MECH-Boiler Bldg/Blowdown PPG	1	TO	24,529	PMTRQ	24,529
0268	MECH-Boiler Bldg/Blowdown Valves	1	TO	484	PMTRQ	484
0269	MECH-Boiler Bldg/SCSC System	1	TO	1,341	PMTRQ	1,341
0270	MECH-Boiler Bldg/Utility Water	1	TO	974	PMTRQ	974
0271	MECH-Boiler Bldg/Chemical Feed	1	TO	18,605	PMTRQ	18,605
0272	MECH-Boiler Bldg/Demineralized Water	1	TO	24,054	PMTRQ	24,054
0273	MECH-Boiler Bldg/Cooling Water System	1	TO	68,973	PMTRQ	68,973
0274	MECH-Boiler Bldg/BC Water System-BCWP System	1	TO	17,562	PMTRQ	17,562
0275	MECH-Boiler Bldg/CPS-CPD System	1	TO	19,031	PMTRQ	19,031
0276	MECH-Boiler Bldg/BBB System	1	TO	23,490	PMTRQ	23,490
0278	MECH-Boiler Bldg/Industrial Waste	1	TO	5,027	PMTRQ	5,027
0279	MECH-Boiler Bldg/Fuel Oil PPG	1	TO	38,651	PMTRQ	38,651
0280	MECH-Boiler Bldg/Fuel Oil Valves	1	TO	3,721	PMTRQ	3,721
5705	Mechanical-Boiler Bldg/Equipment PPG & Valves					452,183
0281	MECH-Boiler Bldg/Propane System	1	TO	12,399	PMTRQ	12,399
5708	Mechanical-Boiler Bldg/Propane System					12,399
0282	MECH-Boiler Bldg/Acid System	1	TO	1,886	PMTRQ	1,886
5709	Mechanical-Boiler Bldg/Acid System					1,886
0283	MECH-Boiler Bldg/Turbine Exhaust System	1	TO	122,319	PMTRQ	122,319

Asset Detail Report-Worksheet

Asset Take-Off	Description	Quantity	Unit	In-Place Unit Cost	Source	Non-Section 38
5711	Mechanical-Boiler Bldg/Turbine Exhaust System					122,319
0284	MECH-Boiler Bldg/Ash Handling System	1	TO	14,187	PMTRQ	14,187
5712	Mechanical-Boiler Bldg/Ash Handling System					14,187
0285	MECH-Boiler Bldg/Caustic Waste System	1	TO	2,023	PMTRQ	2,023
5713	Mechanical-Boiler Bldg/Caustic Waste System					2,023
0287	MECH-Boiler Bldg/HVAC Exhaust System	1	TO	45,091	PMTRQ	45,091
0288	MECH-Boiler Bldg/HVAC Heat Pump	1	TO	181	PMTRQ	181
0289	MECH-Boiler Bldg/HVAC Unit Heaters	1	TO	5,509	PMTRQ	5,509
0291	MECH-Boiler Bldg/HVAC Exp Tank	1	TO	657	PMTRQ	657
5715	Mechanical-Boiler Bldg/Equipment HVAC System					51,437
0292	MECH-Boiler Bldg/Instrumentation	1	TO	36,495	PMTRQ	36,495
5716	Mechanical-Boiler Bldg/Instrumentation					36,495
0293	MECH-Boiler Bldg/Equipment PPG Insulation	1	TO	76,827	PMTRQ	76,827
5717	Mechanical-Boiler Bldg/Piping Insulation					76,827
0295	MECH-Conveyor Bldg/Gravity PF Vents	1	TO	50,859	PMTRQ	50,859
5719	Mechanical-Conveyor Bldg/Exhaust System					50,859
0310	MECH-Adder/Compressed Air	1	TO	65,356	PMTRQ	65,356
5725	Mechanical-Adder/Compressed Air System					65,356
0311	MECH-Adder/Instrument Air	1	TO	15,174	PMTRQ	15,174
5726	Mechanical-Adder/Instrument Air System					15,174
0312	MECH-Adder/Pipe Painting	1	TO	22,735	PMTRQ	22,735
5727	Mechanical-Adder/Piping System Painting					22,735
0192	ELECT-Site/Power Distribution	1	TO	5,559	PMTRQ	5,559
0197	ELECT-Site/Ground System	1	TO	3,254	PMTRQ	3,254
1110	Electrical-Site Utilities					8,814
0223	ELECT-Conveyor Bldg/Fire Alarm	1	TO	3,314	PMTRQ	3,314
0232	ELECT-Boiler Bldg/Fire Alarm System	1	TO	10,226	PMTRQ	10,226
0243	ELECT-Waste Treatment/Fire Alarm	1	TO	173	PMTRQ	173
3100	Electrical-Fire Protection System					13,712
0220	ELECT-Conveyor Bldg/General Duplex	1	TO	638	PMTRQ	638
0221	ELECT-Conveyor Bldg/General Conduit & Wire	1	TO	6,061	PMTRQ	6,061
0229	ELECT-Boiler Bldg/General Use Duplex	1	TO	1,183	PMTRQ	1,183
0230	ELECT-Boiler Bldg/General Conduit & Wire	1	TO	14,723	PMTRQ	14,723
0236	ELECT-Boiler Bldg/Lightening Protection	1	TO	24,237	PMTRQ	24,237
4100	Electrical-Power Wiring					46,842
0222	ELECT-Conveyor Bldg/Lighting	1	TO	6,718	PMTRQ	6,718
0231	ELECT-Boiler Bldg/Lighting	1	TO	54,691	PMTRQ	54,691
0242	ELECT-Waste Treatment/Lighting	1	TO	868	PMTRQ	868
4200	Electrical-Lighting System					62,277
0191	ELECT-Site/Boiler Generator Conduit & Wire	1	TO	17,860	PMTRQ	17,860
5501	Electrical-Site/Boiler Generator Power					17,860
0216	ELECT-Conveyor Bldg/Equipment Master Connections	1	TO	868	PMTRQ	868
0217	ELECT-Conveyor Bldg/Equipment Disconnect Switch	1	TO	1,170	PMTRQ	1,170
0218	ELECT-Conveyor Bldg/Equipment Conduit	1	TO	8,608	PMTRQ	8,608
0219	ELECT-Conveyor Bldg/Equipment Wire	1	TO	4,881	PMTRQ	4,881
5505	Electrical Conveyor Building/Equipment Hook Ups					15,528

Asset Detail Report-Worksheet

Asset Take-Off	Description	Quantity	Unit	In-Place Unit Cost	Source	Non-Section 38
0224	ELECT-Boiler Bldg/Boiler Equipment PWP	1	TO	64,790	PMTRQ	64,790
0225	ELECT-Boiler Bldg/Boiler Motor Concection	1	TO	16,496	PMTRQ	16,496
0226	ELECT-Boiler Bldg/Equipment Disconnect Switch	1	TO	21,364	PMTRQ	21,364
0227	ELECT-Boiler Bldg/Equipment Conduit & Wire	1	TO	189,281	PMTRQ	189,281
5506	Electrical-Boiler Bldg/Equipment Hook Ups					291,931
0228	ELECT-Boiler Bldg/15KW UPS System	1	TO	34,665	PMTRQ	34,665
5507	Electrical-Boiler Bldg/UPS System					34,665
0237	ELECT-Boiler Bldg/Instrumentation	1	TO	118,329	PMTRQ	118,329
5508	Electrical-Boiler Bldg/Instrumentation					118,329
3006	ELECT-Conveyor Bldg/Special Lighting	1	TO	745	Client	745
3009	ELECT-Boiler Bldg/Special Lighting	1	TO	6,076	Client	6,076
3013	ELECT-Conveyor Bldg/Special Lighting Conduit	1	TO	674	Client	674
3014	ELECT-Boiler Bldg/Special Lighting Conduit	1	TO	1,637	Client	1,637
5512	Electrical-Special Lighting					9,132
0196	ELECT-Site/Intercom System	1	TO	1,863	PMTRQ	1,863
0233	ELECT-Boiler Bldg/Intercom System	1	TO	4,703	PMTRQ	4,703
5611	Electrical-Intercommunication System					6,566
0235	ELECT-Boiler Bldg/CCTV System	1	TO	5,621	PMTRQ	5,621
5613	Electrical-Closed Circuit TV System					5,621
0315	OWNER-Equipment/Plumbing	1	TO	106,688	Client	106,688
3200	Owner-Plumbing System					106,688
0314	OWNER-Equipment/HVAC	1	TO	118,178	Client	118,178
3300	Owner-HVAC System					118,178
0319	OWNER-Equipment/Electrical	1	TO	34,058	Client	34,058
4100	Owner-Power Wiring					34,058
2006	OWNER-Equipment/UPS System	1	TO	82,068	PMTRQ	82,068
5612	Owner-UPS System					82,068
2007	OWNER-Equipment/CCTV System	1	TO	106,688	PMTRQ	106,688
5613	Owner-CCTV System					106,688
0316	OWNER-Equipment/Combustor & Boiler	1	TO	15,264,644	Client	15,264,644
0318	OWNER-Equipment/Instruments & Controls	1	TO	1,572,423	Client	1,572,423
0320	OWNER-Equipment/Feedwater Heaters	1	TO	533,442	Client	533,442
3001	OWNER-Equipment/Electrical	1	TO	647,106	Client	647,106
3002	OWNER-Equipment/HVAC Controls	1	TO	52,524	Client	52,524
3004	OWNER-Equipment/Boiler-Roof Ventalitors	1	TO	39,393	Client	39,393
3005	OWNER-Equipment/Valve Controls	1	TO	52,524	Client	52,524
5801	Owner-Equipment					18,162,054
					TOTAL=	23,859,624