

**Construction Permit Application
for Soda Ash Silo
Gulf Coast Recycling, Inc.**

Prepared for:

**Gulf Coast Recycling, Inc.
1901 North 66th Street
Tampa, Florida 33619**

Prepared by:

**ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
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March 19, 1996

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Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: Gulf Coast Recycling, Inc.	
2. Site Name: Gulf Coast Recycling, Inc.	
3. Facility Identification Number: <input type="checkbox"/> Unknown 057 0057	
4. Facility Location: Street Address or Other Locator: 1901 North 66th Street City: Tampa County: Hillsborough Zip Code: 33619	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
01	Soda Ash Silo with Baghouse	AC1F

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
- Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

- Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

- Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be revised: _____

- Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

- Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): _____

- Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

- Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit to be revised: _____

Reason for revision: _____

Category III: All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain:

- Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: Various existing air permits. None related to this soda ash silo.

- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s): _____

- Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one:

Attached - Amount: \$ 250.00 Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations: Purpose of this application is to obtain an air construction permit to allow installation of a silo for storing soda ash. Silo has an approximate capacity of 3,600 cubic feet. A baghouse will be situated on top of the silo to control emissions during silo loading. Soda ash will be used in the desulfurization of battery recycling materials.
2. Projected or Actual Date of Commencement of Construction: After Construction Permit Issuance.
3. Projected Date of Completion of Construction: Within 30 days after commencement of construction.

Professional Engineer Certification

1. Professional Engineer Name: Victoriano L. San Agustin, Jr., PE, CHMM Registration Number: 40226
2. Professional Engineer Mailing Address: Organization/Firm: Environmental Engineering Consultants, Inc. Street Address: 5119 North Florida Avenue City: Tampa State: Florida Zip Code: 33603
3. Professional Engineer Telephone Numbers: Telephone: (813) 238 - 3311 Fax: (813) 238 - 0036

Application Contact

1. Name and Title of Application Contact: Victor L. San Agustin, Jr., P.E., C.H.M.M. Senior Environmental Engineer
2. Application Contact Mailing Address: Organization/Firm: Environmental Engineering Consultants, Inc. Street Address: 5119 North Florida Avenue City: Tampa State: Florida Zip Code: 33603
3. Application Contact Telephone Numbers: Telephone: (813) 238 - 3311 Fax: (813) 238 - 0036

Application Comment

Facility Regulatory Classifications

1. Small Business Stationary Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
2. Title V Source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Synthetic Non-Title V Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Synthetic Minor Source of Pollutants Other than HAPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. Major Source of Hazardous Air Pollutants (HAPs)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Synthetic Minor Source of HAPs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8. One or More Emissions Units Subject to NSPS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9. One or More Emission Units Subject to NESHAP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10. Title V Source by EPA Designation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11. Facility Regulatory Classifications Comment (limit to 200 characters): Although this facility is classified as a Title V source, the scope of this application does not include a Title V application. Regulatory classifications are after construction being proposed in this application is complete

B. FACILITY REGULATIONS

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

N/A - Facility is a Title V Source.

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

Although facility is a Title V source, the air source for which this construction permit is being obtained is a naturally minor source. Regulations applicable to this soda ash silo are the exemptions from Particulate RACT rules, the General Visible Emissions rule, and visible emissions testing requirements. We believe the list of regulations applying to Title V source(s) is not relevant for this application. A telephone conversation with Rick Kirby on March 15, 1996 confirms we do not have to list the regulations pertinent to a Title V source.

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
PM (Particulate Matter)	B

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Detail Information: Pollutant 1 of 1

1. Pollutant Emitted:	PM
2. Requested Emissions Cap:	N/A (lb/hour) N/A (tons/year)
3. Basis for Emissions Cap Code:	ESCRACT (Escape Particulate RACT)
4. Facility Pollutant Comment (limit to 400 characters):	<p>Expected potential PM emissions are 0.21 lbs/hr and 0.07 TPY from the emissions unit covered in this application. The requested PM allowables are 2.47 lbs/hr and 0.90 TPY.</p> <p>We don't believe it is relevant to have to report plant-wide PM or any other plant-wide pollutant emissions for the purpose of obtaining an AC permit for this 0.9 TPY source. Mr. Rick Kirby of EPCHC agreed during a March 15, 1996 telephone conversation.</p>

Facility Pollutant Detail Information: Pollutant _____ of _____

1. Pollutant Emitted:	
2. Requested Emissions Cap:	(lb/hour) (tons/year)
3. Basis for Emissions Cap Code:	
4. Facility Pollutant Comment (limit to 400 characters):	

E. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. A</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. B</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. C</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. D</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested No fugitive emissions are expected from handling soda ash.
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
9. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

<p>11. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>12. Compliance Assurance Monitoring Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>13. Risk Management Plan Verification:</p> <p><input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached, Document ID: _____</p> <p><input type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date</p> <p><input checked="" type="checkbox"/> Not Applicable</p>
<p>14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)**

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Soda Ash Silo with Baghouse		
2. Emissions Unit Identification Number: [] No Corresponding ID [x] Unknown AIRS Point I.D. not yet assigned.		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [x] No	5. Emissions Unit Major Group SIC Code: 3341
6. Emissions Unit Comment (limit to 500 characters): 		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): Silo baghouse for particulate control during silo loading.
2. Control Device or Method Code: 018 - Low Temperature Fabric Filter.

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details

1. Initial Startup Date: Approximately within 30 days after commencement of construction.			
2. Long-term Reserve Shutdown Date: N/A			
3. Package Unit:	Yes	Manufacturer: Cemen Tech Inc. or Equivalent	Model Number: S-700 or Equivalent
4. Generator Nameplate Rating:	N/A	MW	
5. Incinerator Information:			
	Dwell Temperature:	N/A	o F
	Dwell Time:		seconds

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3. Maximum Process or Throughput Rate: Approximate Silo Loading Rate - 40 TPH		
4. Maximum Production Rate:	N/A	
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
2 hours/day	or	7 days/week
52 weeks/yr		728 hrs/yr

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

Federal:	None	
State:	62-296.700(2)(c)	Exemption from Particulate RACT requirements for an emissions unit within allowable PM emissions rate less than 1 TPY. A 0.9 TPY limit is requested.
	62-296.310(2)(a)	General visible emissions limit of 20% opacity. A limit of 5% is requested in order to get exempted from annual Method 5 testing requirements.
	62-297.340(1)(d)	Annual visible emissions testing requirement.
County:	None Specific	County adopted most state air rules.

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

Although facility is a Title V source, the emissions unit for which this construction permit is being obtained is a naturally minor source. Regulations applicable to this soda ash silo are the exemptions from Particulate RACT rules, the general visible emissions rules, and visible emissions testing requirements. We believe the list of regulations applying to Title V source(s) is not relevant for this application.

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

Although facility is a Title V source, the emissions unit for which this construction permit is being obtained is a naturally minor source. Regulations applicable to this soda ash silo are the exemptions from Particulate RACT rules, the general visible emissions rules, and visible emissions testing requirements. We believe the list of regulations applying to Title V source(s) is not relevant for this application.

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	
See Proposed Location of Soda Ash Silo in Attachment B.	
2. Emission Point Type Code:	
<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):	
Baghouse exhaust is located on top of soda ash silo.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:	
I.D. number not yet assigned.	
5. Discharge Type Code:	
<input type="checkbox"/> D <input type="checkbox"/> F <input checked="" type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	~ 44.8 feet
7. Exit Diameter:	~ 0.3 feet
8. Exit Temperature:	Ambient °F

Emissions Unit Information Section 1 of 1

9. Actual Volumetric Flow Rate:	~ 500 acfm
10. Percent Water Vapor :	Ambient %
11. Maximum Dry Standard Flow Rate:	~ 500 dscfm
12. Nonstack Emission Point Height:	N/A feet
13. Emission Point UTM Coordinates: (optional) Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters):	

**F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Soda Ash Silo Loading	
2. Source Classification Code (SCC): 3 01 02122	
3. SCC Units: lbs/ton processed	
4. Maximum Hourly Rate: ~ 40 TPH	5. Maximum Annual Rate: ~ 30,000 tons/yr
6. Estimated Annual Activity Factor: N/A	
7. Maximum Percent Sulfur: N/A	8. Maximum Percent Ash: N/A
9. Million Btu per SCC Unit: N/A - - not used as fuel.	
10. Segment Comment (limit to 200 characters):	

Segment Description and Rate: Segment -- of --

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): N/A	
2. Source Classification Code (SCC): N/A	
3. SCC Units: N/A	
4. Maximum Hourly Rate: N/A	5. Maximum Annual Rate: N/A
6. Estimated Annual Activity Factor: N/A	
7. Maximum Percent Sulfur: N/A	8. Maximum Percent Ash: N/A
9. Million Btu per SCC Unit: N/A	
10. Segment Comment (limit to 200 characters): N/A	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information:

1. Pollutant Emitted: PM	
2. Total Percent Efficiency of Control:	~99.9 %
3. Potential Emissions:	0.21 lb/hour 0.08 tons/year
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive/Other Emissions: N/A <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
6. Emission Factor: 5.2 lbs PM/ton loaded Reference: Fire Version 5.0, Source Classification Codes and Emissions Factor listing.	
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5	
8. Calculation of Emissions (limit to 600 characters): 5.2 lbs PM Uncontrolled/ton X 40 tons/hr X (1-0.999) = 0.21 lbs/hr 0.21 lbs/hr X 728 hrs/yr X 1 ton/2000 lbs = 0.08 TPY	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): A 0.9 TPY PM allowable is requested in order to exempt the silo from Particulate RACT requirements. Similar Cemen Tech baghouse previously permitted by EPCHC for Gulf Coast Recycling, Inc.'s cement silo has 99.94% efficiency.	

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code:	ESCRACT		
2. Future Effective Date of Allowable Emissions:	After permit issuance.		
3. Requested Allowable Emissions and Units:	0.9 TPY		
4. Equivalent Allowable Emissions:	2.47	lb/hour	0.9 tons/year
5. Method of Compliance (limit to 60 characters):	Annual EPA Method 9 (30 minutes)		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):			

B.

1. Basis for Allowable Emissions Code:			
2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:			
4. Equivalent Allowable Emissions:		lb/hr	tons/year
5. Method of Compliance (limit to 60 characters):			
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):			

**I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)**

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	VE		
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other	
3. Requested Allowable Opacity:	Normal Conditions:	5 %	Exceptional Conditions: 0 %
	Maximum Period of Excess Opacity Allowed:	N/A min/hour	
4. Method of Compliance:	Annual EPA Method 9		
5. Visible Emissions Comment (limit to 200 characters):	Although state law allows 20% opacity, a 5% opacity limit is requested in order to exempt the facility from having to conduct an EPA Method 5 on the silo.		

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:			
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule	<input type="checkbox"/> Other	
3. Requested Allowable Opacity:	Normal Conditions:	%	Exceptional Conditions: %
	Maximum Period of Excess Opacity Allowed:	min/hour	
4. Method of Compliance:			
5. Visible Emissions Comment (limit to 200 characters):			

**J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)**

Continuous Monitoring System: Continuous Monitor -- of --

1. Parameter Code: N/A	2. Pollutant(s): N/A
3. CMS Requirement: N/A [] Rule [] Other	
4. Monitor Information: N/A Manufacturer: N/A Model Number: N/A Serial Number: N/A	
5. Installation Date: N/A	
6. Performance Specification Test Date: N/A	
7. Continuous Monitor Comment (limit to 200 characters): N/A	

Continuous Monitoring System: Continuous Monitor -- of --

1. Parameter Code: N/A	2. Pollutant(s): N/A
3. CMS Requirement: N/A [] Rule [] Other	
4. Monitor Information: N/A Manufacturer: N/A Model Number: N/A Serial Number: N/A	
5. Installation Date: N/A	
6. Performance Specification Test Date: N/A	
7. Continuous Monitor Comment (limit to 200 characters): N/A	

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

- [x] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- [] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
- [] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- [] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- [] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 1 of 1

2. Increment Consuming for Nitrogen Dioxide? N/A - Soda Ash Silo is not a NO_x Source.

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

-] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:					
PM		<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown	
SO2	N/A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown	
NO2	N/A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown	
4. Baseline Emissions:					
PM		0.21	lb/hour	0.9	tons/year
SO2		N/A	lb/hour	N/A	tons/year
NO2				N/A	tons/year
5. PSD Comment (limit to 200 characters):					

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements for All Applications

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach.C.</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach.E</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

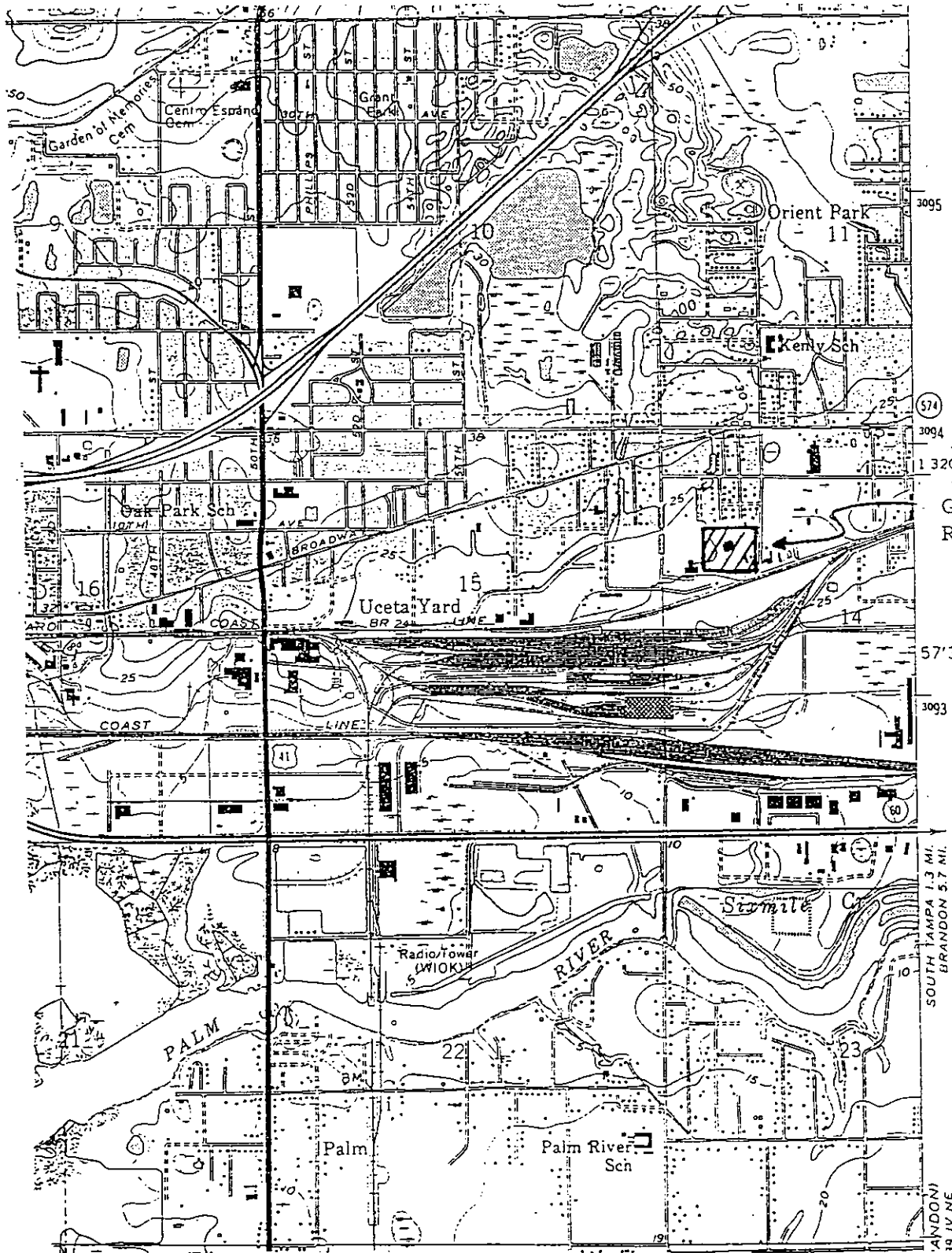
Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Attachment A

Area Map

LOCATION - GULF COAST RECYCLING, INC.



Gulf Coast Recycling



(ANDON)
19 IV NE

Attachment B

Facility Plot Plan

Drainage Ditch

Item Description

1. Stormwater Tank
2. Old Stormwater Pond
3. Environmental/Safety Offices
4. Roofed Material Storage
5. Hygiene Building
6. Guard House
7. Laboratory
8. Administrative Offices
9. Warehouse
10. Maintenance/Welding Shop
11. Slag Friction Bldg.
- 11A. Slag Friction Bldg.
12. Keel Cast Baghouse
13. Mechanic Shop
14. Used Oil Storage
15. Fuel Storage
16. Truck Scales
17. Bulk Oxygen Tank
18. Refining Area Baghouses
19. Warehouse - Finished Lead Product
20. Refining & Pig Cast Area
21. Blast Furnace
22. Blast Furnace Baghouses
23. Slag Storage Tank
24. Sulfuric Acid Storage
25. Battery Saw Area
26. Sodium Hydroxide Tanks
27. Group Pile Building
28. Coke Pile
29. Wastewater Treatment Plant
30. Roofed Material Storage
31. Cast Iron Storage Bin
32. City Water Flowmeter
33. City Sewer Discharge Flowmeter
34. Stormwater Discharge Flowmeter
35. Existing Electrical Building

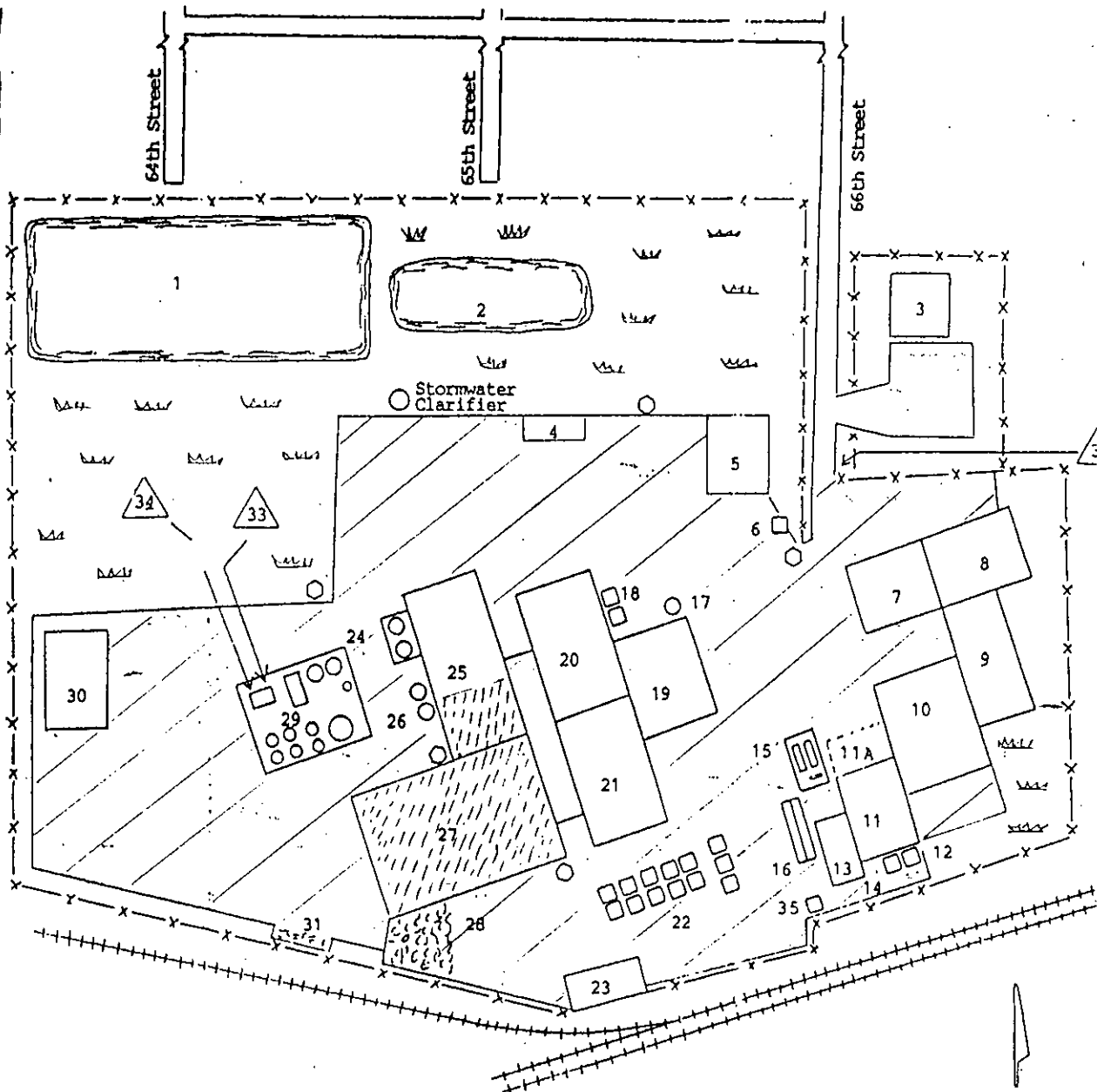
○ - Collection Sumps - Stormwater & Washdown Water

▨ - Paved Area

File: SITEMAP

Grassed Area

Water sprays under roof in portion of building 25 and in building 27.



PLOT PLAN

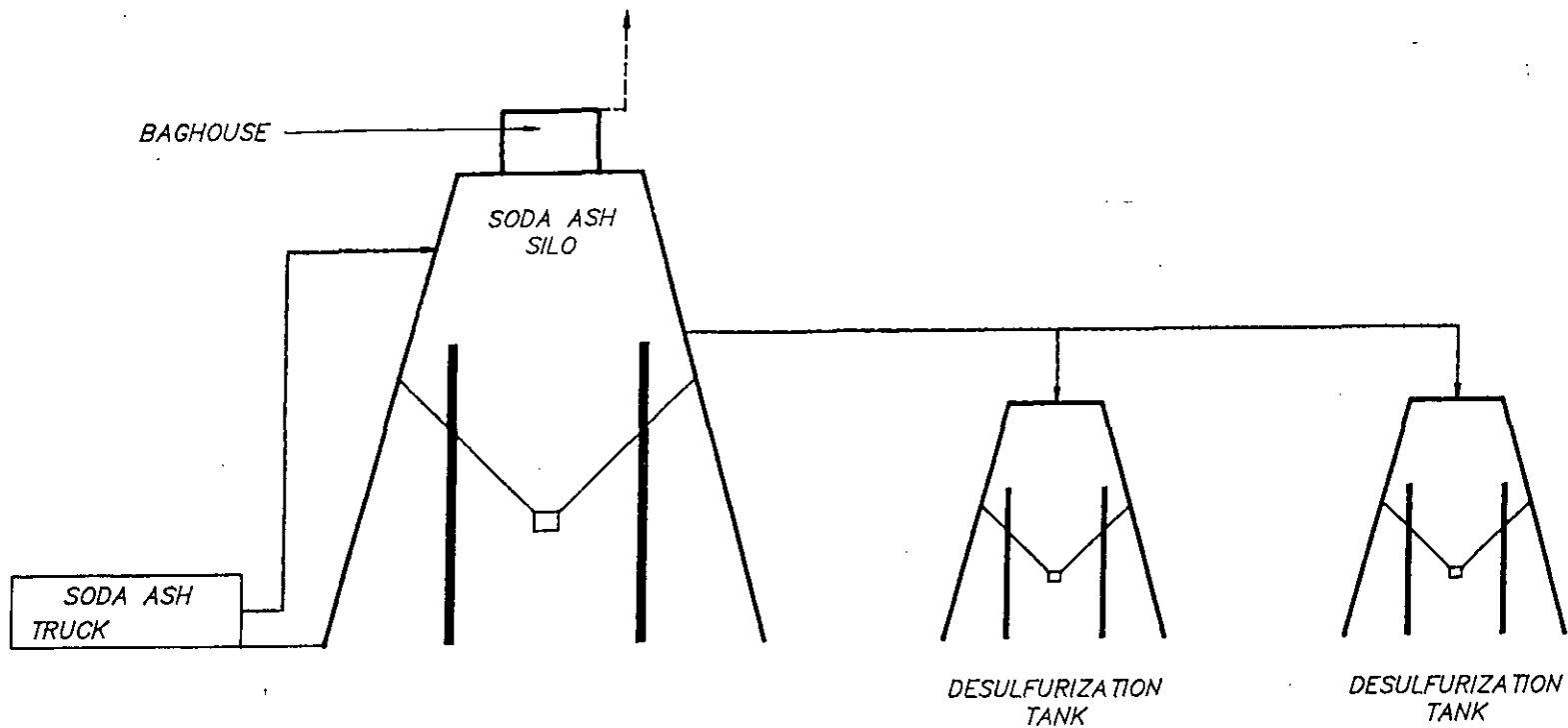
GULF COAST RECYCLING, INC
TAMPA, FLORIDA

NOTES:

1. General work areas are wetted down each shift in the furnace area.
2. The majority of the paved area is wetted by sprinklers on south fence line.

Attachment C

**Soda Ash Silo
Flow Diagram**



DRAWING FILE # :
 LAST UPDATED : 03/14/00
 LAST PLOTTED : 03/14/00
 PLOT SCALE : 1=1



ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
 CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS
 5110 NORTH FLORIDA AVENUE - P.O. BOX 7854 - TAMPA, FLORIDA 33673

PROPOSED SODA ASH SILO
GULF COAST RECYCLING, INC.
 SCHEMATIC FLOW DIAGRAM
 TAMPA, FLORIDA

DATE: MAR 1999	SCALE: NTS
JOB NUMBER:	SHEET: F1

DESIGNED : V.S. DRAWN : R.B. CHECKED : V.S.

Attachment D

Precautions to Prevent Unconfined Emissions Particulate Matter

No unconfined PM emissions are expected from silo loading soda ash and screw conveying over to the desulfurization tanks. The screw conveyor is enclosed and the desulfurization tanks are covered. The soda ash will be conveyed into the desulfurization tanks at a rate that will produce no visible emissions. Reasonable precautions to minimize unconfined or fugitive PM or Pb emissions plant wide have been incorporated in the lead RACT permit applications already submitted to EPCHC.

Attachment E

Description of Control Equipment

CEMEN TECH, Inc.

1100 North 14th Street
Indianola, Iowa 50125
800-247-2464 Fax: (515) 961-7409

Mike G. Kleinkort
District Manager

October 25, 1995

Mr. George Townsend
Gulf Coast Recycling, Inc.
1901 North 66th Street
Tampa, FL 33619

RE: Proposal on S-900 CEMEN TECH Silo

Dear George:

In a concerted effort to retain your valuable business, CEMEN TECH has authorized me to offer you a seldom seen discount on the S-900 Silo in the amount of \$1,874.27. This breaks down as follows:

Original Proposed Price including 6.5% tax was \$43,054.75

Revised Proposed Price including 6.5% tax is \$41,058.65

These prices do include freight to Tampa. I sincerely hope that this will put us in a position that will allow you to retain Schwing America/CEMEN TECH as your supplier on this facet of your expansion program. A plus side to this is a common supplier for your silo's.

I am also enclosing some of our literature on the volumetric proportioning equipment we build. We can custom build proportioning equipment that can mix a multitude of components into a common mix design. Should this be of interest, we would be pleased to provide you with additional information.

Respectfully,



Mike G. Kleinkort

cc: Ed Spink Schwing America Inc.

Enclosure

CEMENTECH, Inc.

1100 North 14th Street
Indianola, Iowa 50125
800-247-2464 Fax: (515) 961-7409

Mike G. Kleinkort
District Manager

October 19, 1995

Mr. George Townsend
Gulf Coast Recycling, Inc.
1901 North 66th Street
Tampa, FL 33619

RE: Proposal on S-900 Silo and Auger Assembly

Dear George:

It is our pleasure to provide you with the following proposal on the silo and auger assembly we discussed.

1)	3050 cu. ft. silo	<i>proposal silo.</i>	<u>\$25,538.00</u>
	OR		
	3600 cu. ft. silo (std. production model)		<u>\$25,538.00</u>
2)	15', 6" dia. external auger assembly includes 7-1/2HP 3 phase 230/460 volt electric motor, del rate 525# per min.		<u>\$ 3,673.00</u>
3)	Reverse jet pulse bag house		<u>\$ 1,879.00</u>
4)	High/Low Bin indicator		<u>\$ 1,470.00</u>
5)	25', 6" dia. Auger Assembly with swivel ring, center hanger, includes 10HP 3 phase 230/460 volt electric motor del. rate of 525# per minunite at 175 RPM		<u>\$ 4,867.00</u>
6)	Freight to Tampa, Florida 33619		<u>\$ 3,000.00</u>
	Sub Total		<u>\$40,427.00</u>
7)	6.5% Florida Sales Tax		<u>\$ 2,627.75</u>
8)	TOTAL DELIVERED PRICE		<u>\$43,054.75</u>

MOTOR STARTERS: Are not included in any of the above pricing. They are an additional cost as follows:

Motor Starter for 15' silo external auger 230/460 V	\$749.00
Motor Starter for 25' Auger Assembly w/swivel 230V	\$958.00
" " " " " " " 460V	\$749.00

Page 2.

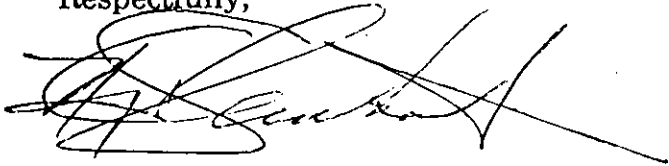
Gulf Coast Recyclers, Inc.

George Townsend

October 19, 1995

Should you require any additional information, please don't hesitate to give us a call.

Respectfully,

A handwritten signature in black ink, appearing to read "Mike G. Kleinkort", written over a horizontal line.

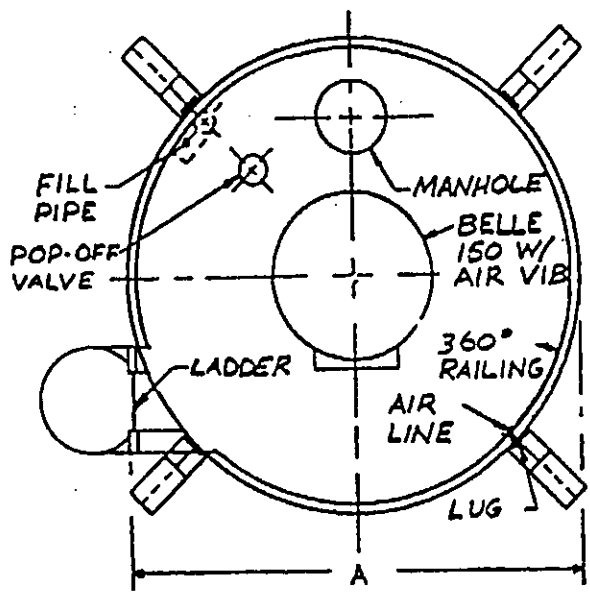
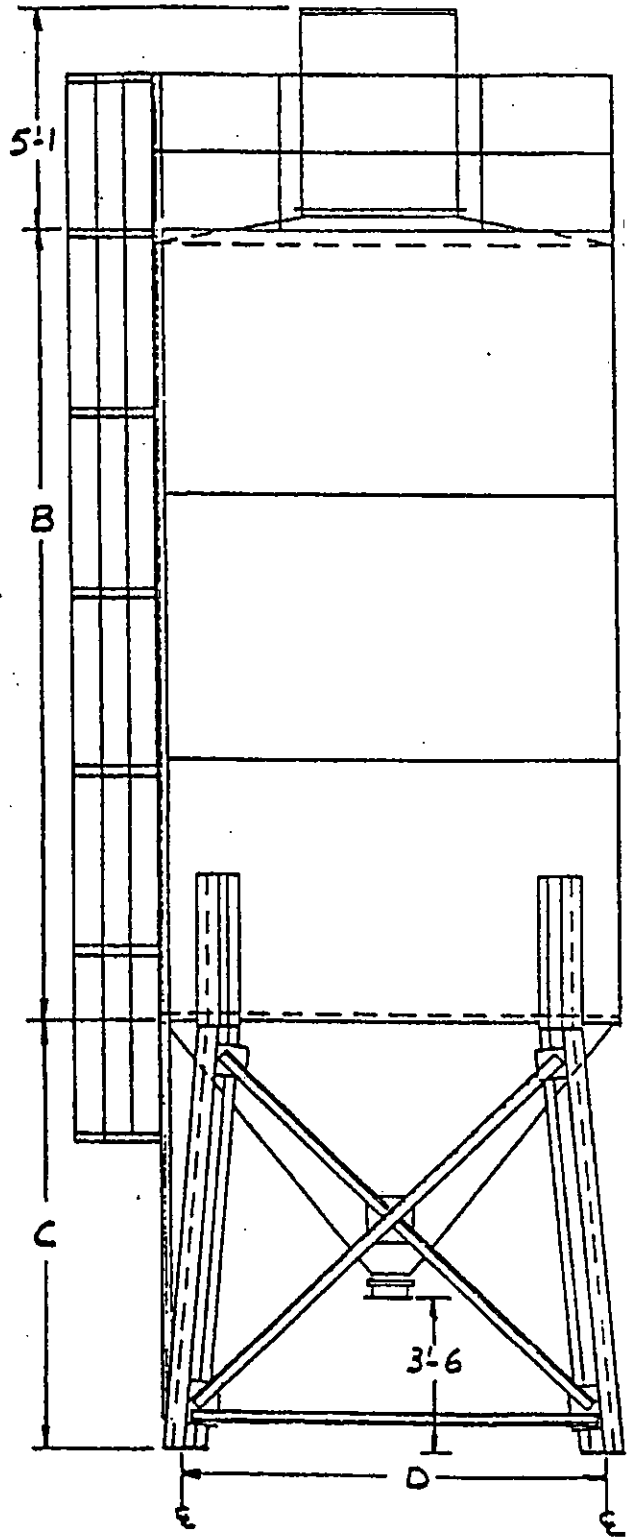
Mike G. Kleinkort

cc: Ed Spink Schwing America, Inc.

ce men tech INC.

Model S-450, S-550, S-700 AND S-900 CEMENT OR BULK MATERIALS SILO

EQUIPMENT SPECIFICATIONS and PURCHASE INFORMATION



STANDARD EQUIPMENT

- * Pneumatic fill pipe and adapter.
- * 150 sq. ft. baghouse for dust control.
- * Full perimeter safety cage and ladder.
- * Manhole and pressure relief valve.
- * Will handle bulk materials that weigh up to 100 lbs. per cu. ft.
- * Air system includes eight external air pads.
- * Slide or jam gate.
- * Straight leg base.
- * Industrial enamel paint, CTI white

* Dimension	A	B	C	D
450 bbl	10' 8"	18' 0"	9' 10"	9' 10"
550 bbl	10' 8"	24' 0"	9' 10"	9' 10"
* 700 bbl	10' 8"	30' 0"	9' 10"	9' 10"
900 bbl	12' 0"	30' 0"	10' 6"	11' 0"

* proposed silo
Or equivalent