7770380

KEARNEY
DEVELOPMENT CO., INC.
8621 M. L. KING BLVD. E. • TAMPA, FLORIDA 33610
TAMPA (813) 621-0855
PINELLAS (813) 443-3609
ORLANDO (407) 856-4076
FAX (813) 620-0001

Underground Utilities ☆ *Site Development* ☆ *Since 1956*

June 5, 1995

RECEIVED
JUN 6 1995
Bureau of
Air Regulation

Mr. Willard Hanks
Florida Department of
Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RE: DEP PERMIT NUMBER AC 29-261151

Dear Mr. Hanks:

Attached please find an application to operate an air pollution source.

If you have any questions or need clarification on certain aspects of this application, please feel free to call me.

Respectfully,

Alan G. Payne

Manager-Pugmill Operations

AGP/agp

Cc: Bing Kearney, KDC

Bryan Kearney, KDC

Attachments: 1) Four (4) copies of Application To Construct Air Pollution Source.

2) One 3.5" , 2.0MB Disk Containing Application.

3) Check in the amount of $1000.00 made payable to Florida Department of Environmental Protection.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

224322

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Kearney Development Company Date June 7, 1995

Address 8621 M.L. King Blvd. E., Tampa FL 33610 Dollars $ 1,000.00

Applicant Name & Address Mr. Charles A. Kearney, Jr., V.P.

Source of Revenue Ck # 5178

Revenue Code 002223 Application Number AO 29-272060

By Patricia G. Adams

FLORIDA DEP LOGO

Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - SHORT FORM

See Instructions for Form No. 62-210.900(2)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application and the purpose for which this application is being submitted. This section also includes information on the owner or authorized representative of the facility 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 on diskette, 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 name, if any; and a brief reference to the facility's physical location. If known, also enter the ARMS or AIRS facility identification number. This information is intended to give a quick reference, on the first page of the application form, to the facility addressed in this application. Elsewhere in the form, numbered data fields are provided for entry of the facility data in computer-input format.

OWNER:	KEARNEY Development Company, Inc.
FACILITY NAME:	ARAN Portable Soil Cement Plant
LOCATION:	Various - Statewide

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	6-6-95
2. Permit Number:	A094-272066

7770380

DEP Form No. 62-210.900(2) - Form
Effective: 11-23-94

FEDERAL EXPRESS

USE THIS AIRBILL FOR SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER 2979336474

2979336474

RECIPIENT'S COPY

1 [redacted] Date 6/05/95

From (Your Name) Please Print: Alan Payne
Your Phone Number (Very Important): (813) 621-0855
Department/Floor No.
Company: Kearney Development Co., Inc.
Street Address: 8621 E Martin Luther King Blvd.
City: Tampa State: FL ZIP Required: 33610

2 To (Recipient's Name) Please Print: Willard Hanks
Recipient's Phone Number (Very Important): (904) 488-1344
Department/Floor No.
Company: FL Dept. of Environmental Protection
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 2600 Blair Stone Road
City: Tallahassee State: FL ZIP Required: 32399-2400

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here
Street Address
City State ZIP Required

3 PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check [redacted]

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)
11 [ ] OTHER PACKAGING
16 [X] FEDEX LETTER*
12 [X] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon† No Saturday delivery†)
51 [ ] OTHER PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
30 [ ] ECONOMY*
* Economy Letter Rate not available. Minimum charge: One pound Economy rate

Government Overnight (Restricted for authorized users only)
46 [ ] GOV'T LETTER
41 [ ] GOV'T PACKAGE

Freight Service (for packages over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT**
† Delivery commitment may be later in some areas
*Declared Value Limit $500
**Call for delivery schedule

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
2 [X] DELIVER WEEKDAY

Saturday Service
31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
3 [ ] DELIVER SATURDAY (Extra charge) (Not available to all locations)
9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
4 [ ] DANGEROUS GOODS (Extra charge)
6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
Dry Ice 9 UN 1845 ___ x ___ kg 904 III
[ ] ___
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6
PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE (See right)
Total 1	Total 2	Total

DIM SHIPMENT (Chargeable Weight) [ ] ___ lbs.
L x W x H

Received At
1 [ ] Regular Stop 3 [X] Drop Box
2 [ ] On-Call Stop 4 [ ] B.S.C 5 [ ] Station

Emp. No. Date
[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold
Street Address
City State Zip
Received By:
X
Date/Time Received FedEx Employee Number

7 Release Signature:

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 4/94
PART #145413 GBFE
FORMAT #160
160
© 1993-94 FEDEX
PRINTED IN U.S.A.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:

   Mr. Charles.W. (Bing) Kearney, Jr., Vice President

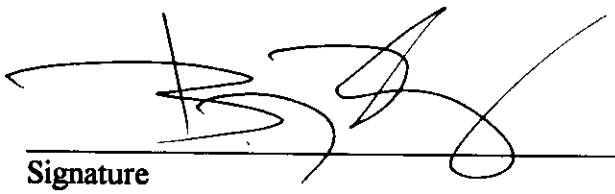
2. Owner/Authorized Representative Mailing Address:

   Organization/Firm: KEARNEY Development Company, Inc.
   Street Address: 8621 M.L. King Blvd. East
   City: Tampa State: FLORIDA Zip Code: 33618-0000

3. Owner/Authorized Representative Telephone Numbers:
   Telephone: (813) 621-0855 Fax: (813) 620-0001

4. Owner/Authorized Representative Statement:

   I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I 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 understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.*



Signature

6/3/95

Date

* Attach letter of authorization if not currently on file.

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
Unknown	DCE Volkes Dalamatic Dust Collector - Series DLMV 10/10

Purpose of Application

This Application for Air Permit is submitted to obtain (check one):

[ ] Initial air operation permit for one or more existing, but previously unpermitted, emissions units.

[X] Initial air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: AC 29-261151

[ ] Air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit to be revised: _____

[ ] Air operation permit renewal.

Operation permit to be renewed: _____

Application Processing Fee

Check one:

[X] Attached - Amount: $1,000.00 [ ] Not Applicable.

Construction/Modification Information

1. Description of Alterations: Not Applicable
2. Date of Commencement of Construction (DD-MON-YYYY): Not Applicable

Professional Engineer Certification

1. Professional Engineer Name: Joseph A. Kowalski

   Registration Number: 34287

2. Professional Engineer Mailing Address:

   Organization/Firm: K2 Engineering, Inc.
   Street Address: 7407 U.S. Hwy. 301 South
   City: Riverview State: FLORIDA Zip Code: 33569-0000

3. Professional Engineer Telephone Numbers:
   Telephone: (813) 677-0706 Fax: (813) 677-9340

4. Professional Engineer Statement:

   I, the undersigned, hereby certify, except as particularly noted herein, that:*

   (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

   (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.

   Joseph A. Kowalski
   Signature

   6-5-95
   Date

   (seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact:

   Alan G. Payne - Manager, Pugmill Operations

2. Application Contact Mailing Address:

   Organization/Firm: KEARNEY Development Company, Inc.
   Street Address: 8621 M.L. King Blvd. East
   City: Tampa State: FLORIDA Zip Code: 33618-0000

3. Application Contact Telephone Numbers:
   Telephone: (813) 623-1994 Fax: (813) 628-4529

Application Comment

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Name, Location, and Type

1. Facility Owner or Operator: KEARNEY Development Company, Inc.			
2. Facility Name: ARAN Portable Soil Cement Plant			
3. Facility Identification Number: [X] Unknown			
4. Facility Location Information: Facility Street Address: Various - Statewide City: County: Zip Code:			
5. Facility UTM Coordinates: N/A Zone: East (km): North (km):			
6. Facility Latitude/Longitude: N/A Latitude (DD/MM/SS): Longitude (DD/MM/SS):			
7. Governmental Facility Code: 0	8. Facility Status Code: A	9. Relocatable Facility? [X] Yes [ ] No	10. Facility Major Group SIC Code: 16
11. Facility Comment: As this facility is relocated on a weekly basis no information is available for Sections 4,5 & 6 above.			

Facility Contact

1. Name and Title of Facility Contact: Alan G. Payne - Manager, Pugmill Operations
2. Facility Contact Mailing Address: Organization/Firm: KEARNEY Development Company, Inc. Street Address: 8621 M.L. King Blvd. East City: Tampa State: FLORIDA Zip Code: 33618-0000
3. Facility Contact Telephone Numbers: Telephone: (813) 623-1994 Fax: (813) 628-4529

Facility Regulatory Classifications

1. Small Business Stationary Source? [ ] Yes [X] No [ ] Unknown
2. Title V Source? [X] No
3. Synthetic Non-Title V Source by Virtue of Previous Air Construction Permit? [ ] Yes [X] No Construction Permit Number/Issue Date: _____
4. Facility Regulatory Classifications Comment:

B. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-B of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested
2. Facility Plot Plan: [**X**] Attached, Document ID: Appendix A [ ] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [**X**] Attached, Document ID: Appendix B [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[**X**] 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, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated 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.

Emissions Unit Information Section 2 of 4

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: DCE Volkes Dalamatic Dust Collector, Series DLMV 10/10	
2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown	
3. Emissions Unit Status Code: A	4. Emissions Unit Major Group SIC Code: 16
5. Initial Startup Date (DD-MON-YYYY): N/A	
6. Long-term Reserve Shutdown Date (DD-MON-YYYY): N/A	
7. Package Unit: Manufacturer: N/A	Model Number: N/A
8. Generator Nameplate Rating: N/A	MW
9. Incinerator Information: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature :	°F seconds °F
10. Emissions Unit Comment:	

Emissions Unit Information Section 3 of 4

Emissions Unit Control Equipment

1. Description: Reverse Jet Dust Collector
2. Control Device or Method Code(s): 101

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: 72,000 lbs/hr of cement dust		
4. Maximum Production Rate: N/A		
5. Operating Capacity Comment: As per Specific Condition No. 5 of the Construction Permit, loading time of the cement silo shall not exceed 4.5 hours per day, 5 days per week, 52 weeks per year. Also, not more than 200,000 tons of aggregate shall be processed by this facility during any 12 month period.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	4.5 hours/day	5 days/week
	52 weeks/year	hours/year

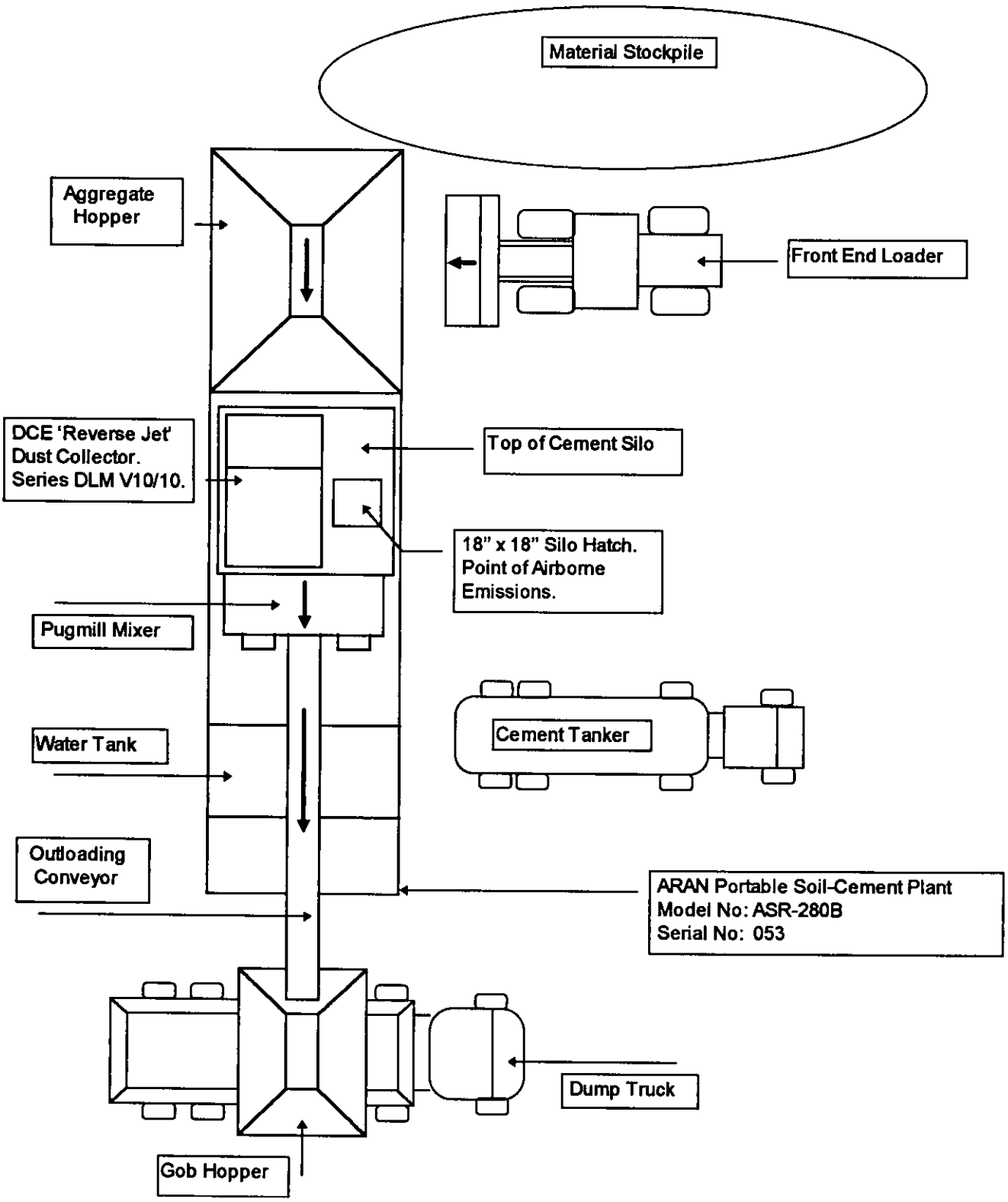
B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

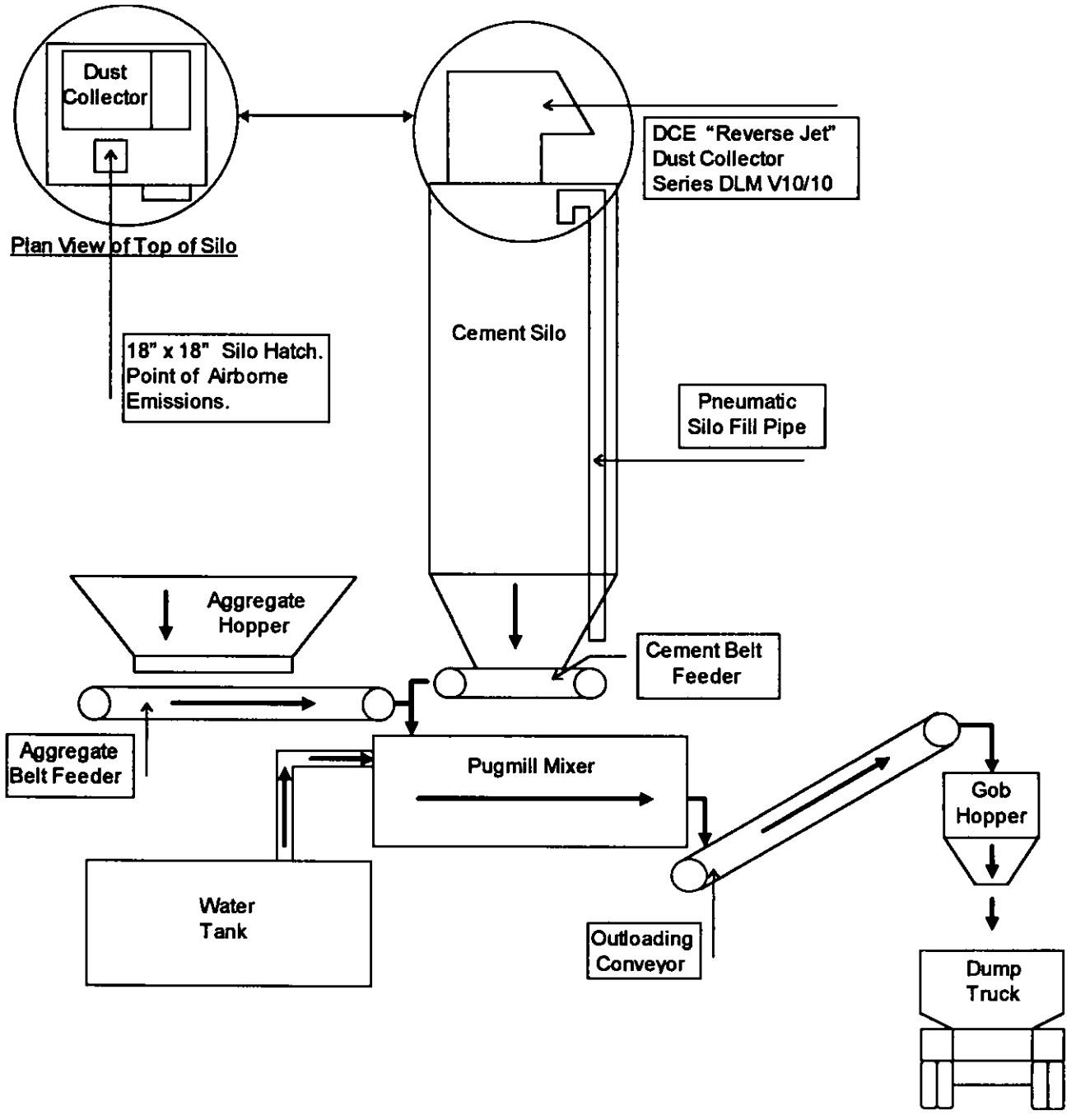
1. Process Flow Diagram [X] Attached, Document ID: Appendix A [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [X] Attached, Document ID: Appendix C [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [X] Attached, Document ID: Appendix D [ ] Previously submitted, Date:_____ [ ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Appendix A - Facility Plot Plan



Appendix B - Process Flow Diagram

ARAN Portable Soil-Cement Plant
Model No.: ASR-280B
Serial No.: 053



Appendix C - D.C.E., Inc. Efficiency Statement

DCE
DUST CONTROL
EQUIPMENT

DCE, Inc.
11301 Electron Drive
Jeffersontown KENTUCKY 40299-3867
TEL (502) 267-0707
FAX (502) 267-4490

RECEIVED
SEP 26 1994
KEARNEY DEVELOPMENT COMPANY, INC.

Mr. Alan Payne
Kearney Development
8621 M.L. King Blvd
Tampa, FL 33610

September 22, 1994

RE: Dalamatic Efficiency Statement

Alan:

As you requested, here is a general efficiency that is good for all Dalamatic units:

The collector system will provide a 99.9% efficiency on a time-weighted average down to and including 1 micron particle size provided the collector is operated at the air volumes listed in the catalog and maintained as required in the operation manual provided with the collector.

Good Day,

Adrian D. Gleason

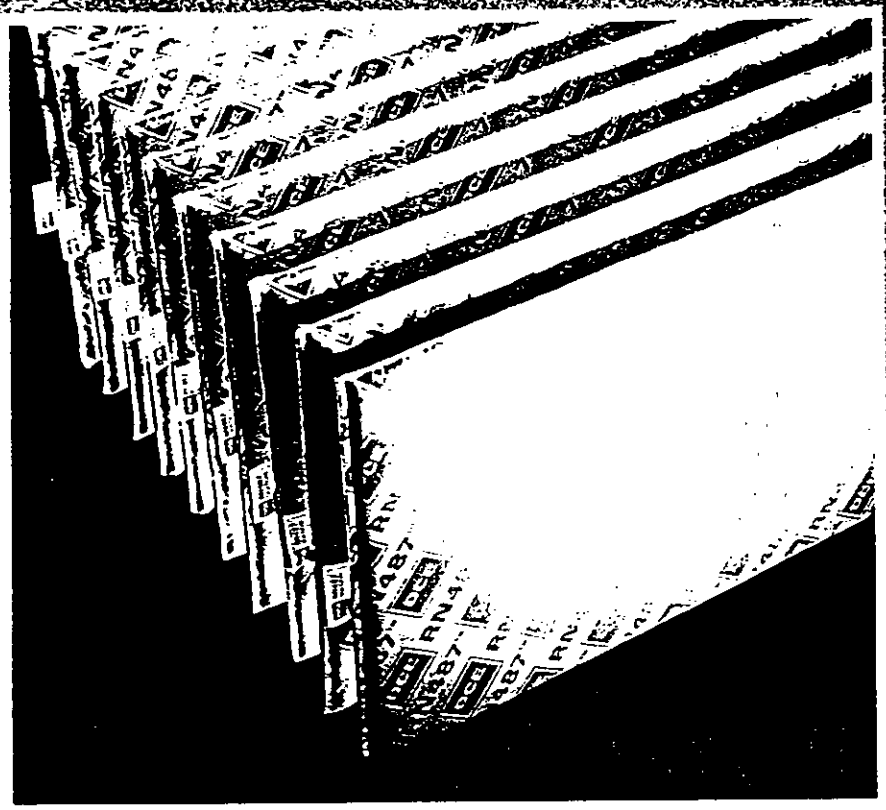
Appendix D - Description Of Control Equipment

DCE

DUST CONTROL
EQUIPMENT

Dalamatic®

AUTOMATIC REVERSE JET FABRIC FILTERS



THE WORLD'S NUMBER ONE SELLING
DUST COLLECTOR

DALAMATIC INSERTABLES, SERIES DLM-V

The DCE Dalamatic® Insertable Dust Filter — the original *insertable dust filter* — is designed to deal with the heavy burdens and high filtration velocities encountered in the conveying of particulate products. Simply inserted into a silo, it provides continuous filtration of conveying or displaced air and maintains a high collection efficiency at constant system resistance. The range has been continually developed and now consists of over 60 different sizes and types with a wide variety of applications in the handling, processing and storage of bulk materials and powders.

RANGE

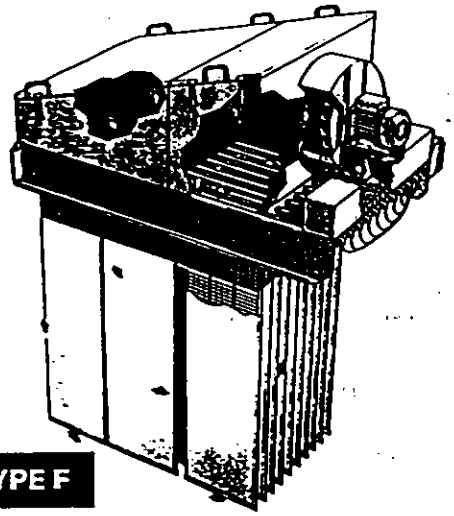
Weather protection — Dalamatic DLM-V20/10F Insertable, with weather protection, ventilating aluminium storage silo.

TYPES

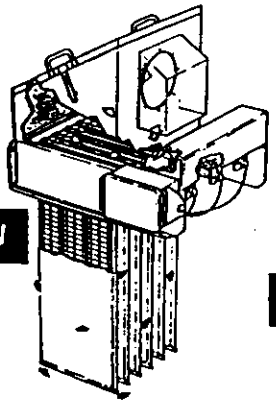
There are four types of Dalamatic Insertable:

Type B	Basic filter for pressure systems located indoors.
Type H	Filter with exit header for connection to a fan or discharge ducting. The filter is weatherproof and suitable for indoor and outdoor application.
Type W	Filter with a weather cowl for pressure systems where the filter is located outdoors or exposed to adverse conditions.
Type F	Weatherproof filter fitted with an integral fan for negative pressure applications. An acoustic diffuser can be supplied as an optional extra.

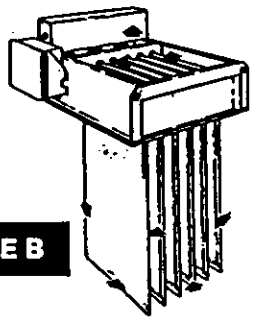
(Mounting positions — All Dalamatic® Insertable filters can be mounted either vertically or horizontally to suit application requirements).



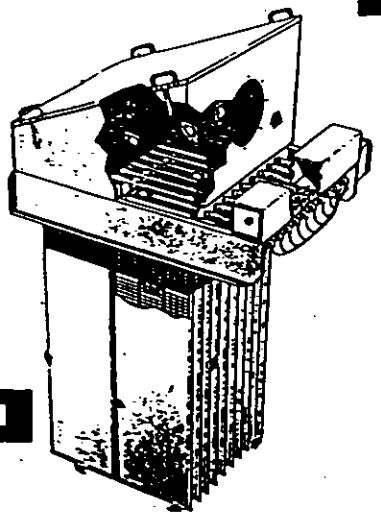
TYPE F



TYPE W



TYPE B



TYPE H

APPLICATIONS

In pneumatic conveying systems, Dalamatic Insertables can be inserted through the top of silos and storage vessels to separate the product from conveying and displaced air preventing product loss and dust nuisance. The collected dust drops directly into the silo. DLM-V Type B and W are normally applied in positive pressure systems, Type F and H are used where a suction fan is needed to overcome system negative pressure. In mechanical conveying systems the dust generated by product loading, transfer and discharge can be controlled by a DLM-V Type F in an enclosure. The collected agglomerated dust is returned directly to the product being conveyed. This saves space, makes ducting and other ancillary equipment unnecessary and avoids the problem of collected dust disposal.

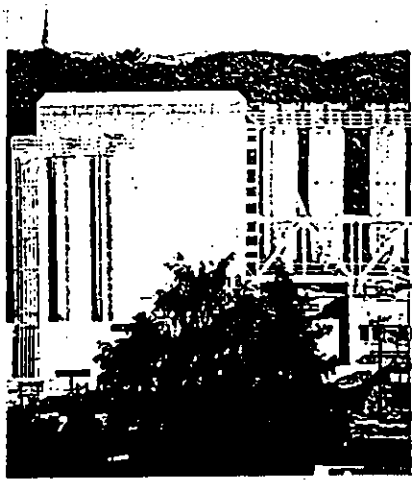
Dalamatic Insertables can also be integrated with process machinery requiring dust control such as fluid bed reactors, mixers, blenders, mills and crushers, or be used to ventilate powder spray booths, automatic bag slitting machines and a wide variety of

DALAMATIC INSERTABLE DLM-V RANGE

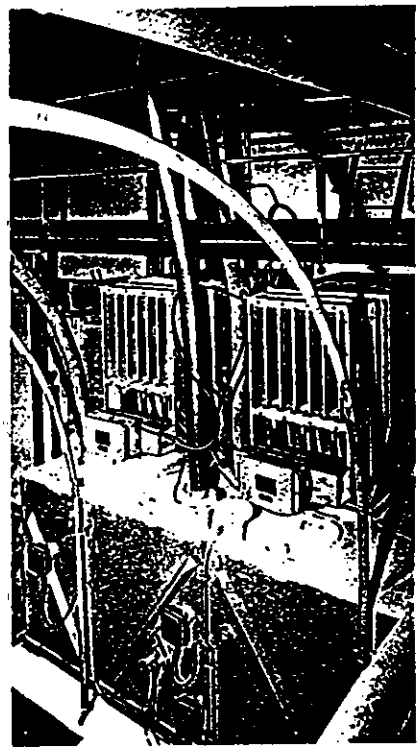
Filter size designation	Fabric area	No. of elements	Element length	Element configuration	Integral fan*	Fan motor rating
DLM V4/7	43m²	6	0.7m		F1	1hp
DLM V6/10	64m²	6	1.0m		F1	1hp
DLM V7/7	75m²	10	0.7m		F1 K3	1hp 2hp
DLM V8/7	86m²	12	0.7m		F1 K3	1hp 2hp
DLM V9/15	97m²	6	1.5m		F1 K3	1hp 2hp
DLM V10/10	108m²	10	1.0m		F1 K3	1hp 2hp
DLM V12/10	129m²	12	1.0m		K3 K5	2hp 3hp
DLM V14/7	150m²	20	0.7m		K3 K5	2hp 3hp
DLM V15/15	161m²	10	1.5m		K3 K5	2hp 3hp
DLM V18/15	194m²	12	1.5m		K3 K5 F6	2hp 3hp 7½hp
DLM V20/10	215m²	20	1.0m		K3 K5 F6	2hp 3hp 7½hp
DLM V21/7	226m²	30	0.7m		K3 K5 F6	2hp 3hp 7½hp
DLM V30/10	323m²	30	1.0m		K5 F6 F10	3hp 7½hp 7½hp
DLM V30/15	323m²	20	1.5m		K5 F6 F10	3hp 7½hp 7½hp
DLM V45/15	484m²	30	1.5m		F6 F10 K11	7½hp 7½hp 10hp
DLM V60/15	646m²	40	1.5m		K11	10hp

Integral fans are only fitted to Type F insertables.

Explosion relief — Whenever the dust involved represents an explosion risk, the silo or process equipment concerned should be provided with adequate explosion relief. The filter itself should be specially strengthened.

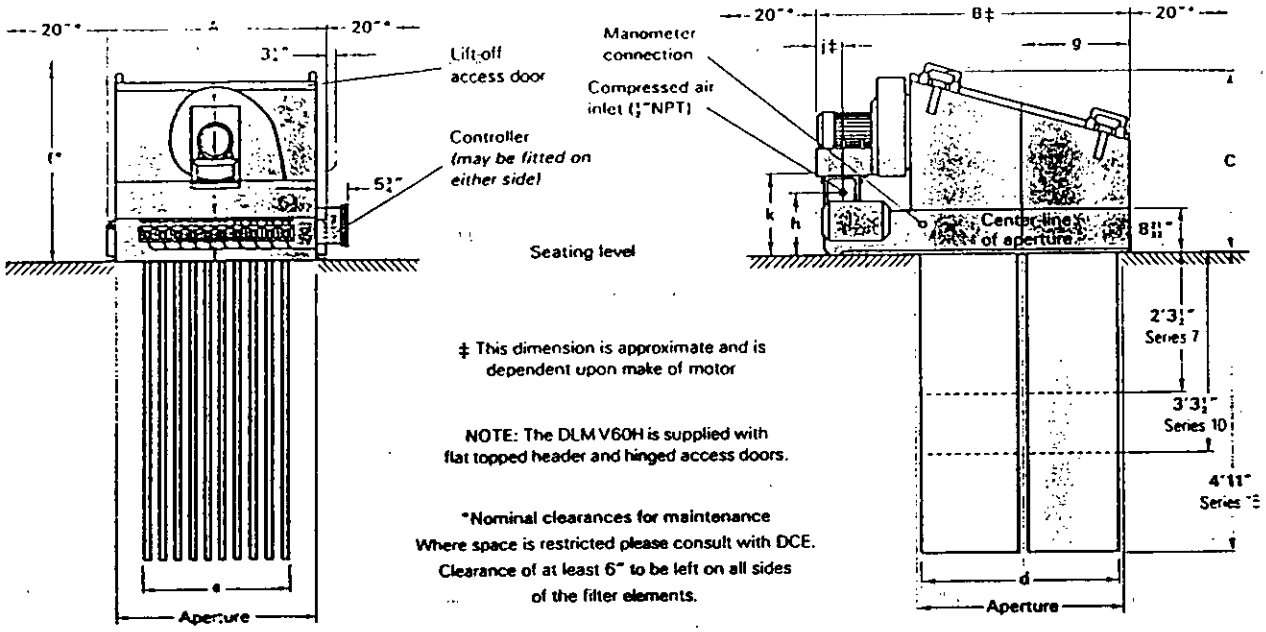


Versatile — Stainless steel Dalamatic insertables handling granulated plastic in West Germany.



Compact — Two Dalamatic DLM-V6/10B insertables installed in a factory producing plastic bottles.

DCE
DUST CONTROL EQUIPMENT



FRONT ELEVATION

SIDE ELEVATION

‡ This dimension is approximate and is dependent upon make of motor

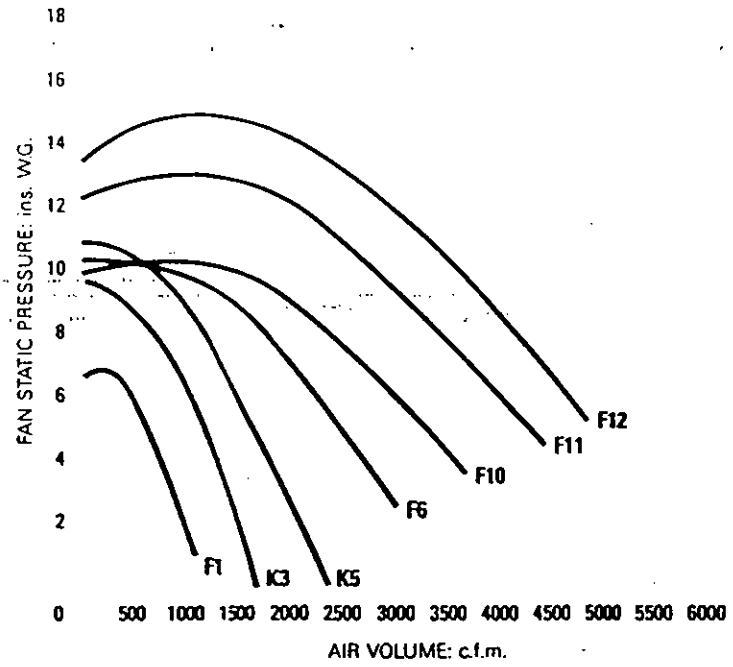
NOTE: The DLM V60H is supplied with flat topped header and hinged access doors.

*Nominal clearances for maintenance
Where space is restricted please consult with DCE.
Clearance of at least 6" to be left on all sides of the filter elements.

Dalamatic insertable filter with intergral fan

Model DLM V30/15F illustrated, broken lines representing models DLM V14/7F & DLM V20/10F
Suitable for inside and outside locations.

DLM type	Fabric area ft²	OVERALL DIMENSIONS A	B‡	C	d	e	f*	g	h	j‡	k	Fan	Motor rating	Approx net weight
V4/7F	43	2'3½"	3'7½"	2'8½"	19"	18½"	3'9½"	12½"	11⅝"	9½"	14½"	F1	1hp	353 lb
V6/10F	64	2'3½"	3'7½"	2'8½"	19"	18½"	4'9½"	12½"	11⅝"	9½"	14½"	F1	1hp	375 lb
V7/7F	75	3'7½"	3'7½" 3'7⅝"	2'10"	19"	2'8⅜"	3'9½"	12½"	11⅝"	9½"	14½"	F1 K3	1hp 2hp	496 lb 518 lb
V8/7F	86	2'3½"	5'4" 5'4"	2'11½"	3'3⅜"	18½"	3'9½"	22⅝"	12⅛"	6⅝"	15½"	F1 K3	1hp 2hp	463 lb 551 lb
V9/15F	97	2'3½"	3'7½" 3'7⅝"	2'8½"	19"	18½"	6'5"	12½"	11⅝"	9½"	14½"	F1 K3	1hp 2hp	397 lb 419 lb
V10/10F	108	3'7½"	3'7½" 3'7⅝"	2'10"	19"	2'8⅜"	4'9½"	12½"	11⅝"	9½"	14½"	F1 K3	1hp 2hp	540 lb 562 lb
V12/10F	129	2'3½"	5'4" 5'4"	2'11½"	3'3⅜"	18½"	4'9½"	22⅝"	12⅛"	6⅝"	15½"	K3 K5	2hp 3hp	595 lb 617 lb
V14/7F	150	3'7½"	5'4" 5'4"	2'11½"	3'3⅜"	2'8⅜"	3'9½"	22⅝"	12⅛"	6⅝"	15½"	K3 K5	2hp 3hp	816 lb 838 lb
V15/15F	161	3'7½"	3'7½" 3'7⅝"	2'10"	19"	2'8⅜"	6'5"	12½"	11⅝"	9½"	14½"	K3 K5	2hp 3hp	606 lb 628 lb
V18/15F	194	2'3½"	5'4" 5'4" 5'4"	2'11½" 2'11½" 3'0½"	3'3⅜"	18½"	6'5"	22⅝"	12⅛" 12⅛" 12⅛"	6⅝" 6⅝" 6⅝"	15½" 15½" 15½"	K3 K5 F6	2hp 3hp 7½hp	650 lb 672 lb 705 lb
V20/10F	215	3'7½"	5'4" 5'4" 5'4"	2'11½" 2'11½" 3'0½"	3'3⅜"	2'8⅜"	4'9½"	22⅝"	12⅛" 12⅛" 12⅛"	6⅝" 6⅝" 6⅝"	15½" 15½" 15½"	K3 K5 F6	2hp 3hp 7½hp	893 lb 915 lb 948 lb
V21/7F	226	3'7½"	7'3⅜" 7'3⅜" 7'3⅜"	3'6"	5'3½"	2'8⅜"	3'9½"	2'10½"	12⅛" 12⅛" 12⅛"	6⅝" 6⅝" 6⅝"	15½" 15½" 15½"	K3 K5 F6	2hp 3hp 7½hp	1091 lb 1113 lb 1146 lb
V30/10F	323	3'7½"	7'3⅜" 7'3⅜" 7'7½"	3'6"	5'3½"	2'8⅜"	4'9½"	2'10½"	12⅛" 12⅛" 12⅛"	6⅝" 6⅝" 10½"	15½" 15½" 15½"	K5 F6 F10	3hp 7½hp 7½hp	1213 lb 1246 lb 1301 lb
V30/15F	323	3'7½"	5'4" 5'4" 5'8½"	2'11½" 2'11½" 3'1½"	3'3⅜"	2'8⅜"	6'5"	22⅝"	12⅛" 12⅛" 12⅛"	6⅝" 6⅝" 10½"	15½" 15½" 15½"	K5 F6 F10	3hp 7½hp 7½hp	1025 lb 1058 lb 1113 lb
V45/15F	484	3'7½"	7'3⅜" 7'7½" 7'7½"	3'6"	5'3½"	2'8⅜"	6'5"	2'10½"	12⅛" 12⅛" 12⅛"	6⅝" 10½" 10½"	15½" 15½" 15½"	F6 F10 F11	7½hp 7½hp 10hp	1378 lb 1433 lb 1444 lb
V60/15F	646	3'7½"	9'4½" 9'9⅝"	3'7"	6'11½"	2'8⅜"	7'3"	3'8⅜"	12⅛" 12⅛"	9½" 14½"	15½" 15½"	F11 F12	10hp 15hp	1962 lb 2061 lb



Fan performance curves

To select the most suitable fan for a given application:

1 Determine the air volume flow (c.f.m.) needed to give effective venting and dust control.

2 Estimate the pressure or suction (ins. W.G.) in the housing in which the dust collector is inserted.

3 Assess the operational pressure drop (ins. W.G.) across the clean side and dirty side of the filtering element — usually between 2" to 4" W.G.

4 The sum of 2 and 3 gives the pressure (ins. W.G.) required for fan selection purposes.

5 Consult graph for fan performances available.

COMPRESSED AIR REQUIREMENTS

Filter type	Working compressed air pressure *	Atmospheric air volume — F.A.D. ▲	Pulse duration
		at 25 sec. intervals ▪	
DLM V4/7, V6/10 and V9/15	65 psig	2.3 cfm	200 millisec.
DLM V7/7, V10/10 and V15/15	65 psig	2.8 cfm	200 millisec.
DLM V8/7, V12/10 and V18/15	90 psig	4.2 cfm	200 millisec.
DLM V14/7 and V20/10 (5 valve)	90 psig	5.0 cfm	200 millisec.
		at 12 sec. intervals ▪	
DLM V20/10 (10 valve)	65 psig	3.6 cfm	60 millisec.
DLM V21/7 and V30/10	75 psig	4.6 cfm	60 millisec.
DLM V30/15	65 psig	5.1 cfm	110 millisec.
DLM V45/15	75 psig	6.6 cfm	110 millisec.
DLM V60/15	90 psig	6.6 cfm	110 millisec.

*Normal operating pressure. ▲Recommended atmospheric air volume of clean, dry compressed air.
▪Recommended initial settings; these may be varied with experience.

ELECTRICAL REQUIREMENTS

Filters up to DLM V20/10*: DS 3- or 5-way controller

Filters from DLM V20/10* upwards: DS 10-way controller

Voltage input: 110, 200, 220 or 240V. (±10%) A.C. two wire 50-60 Hz (Incremental tappings on transformer)

Connection: Line-line or line-neutral

Fan motor (if fitted): To suit local voltage

*The DLM V20/10 can be supplied with either DS 5- or 10-way controller

DESIGN LIMITS (standard equipment)

Temperature range (alternatives according to type of sealer used): (1) 14°F to 140°F; (2) 14°F to 400°F (not type F)

Pressure limits: (a) Types B, W & H: 16" W.G. For positive pressures please refer to DCE;
(b) Type F: as fan performance curves from shut-off to ambient pressure

Dimension tolerances: ± 3/16" on main dimensions; ± 1/16" on detail dimensions

Appendix E - Compliance Test Reports

KEARNEY
DEVELOPMENT CO., INC.

8621 M. L. KING BLVD. E. • TAMPA, FLORIDA 33610

TAMPA (813) 621-0855
PINELLAS (813) 443-3609
ORLANDO (407) 856-4076
FAX (813) 620-0001

Underground Utilities ☆ *Site Development* ☆ *Since 1956*

June 2, 1995

RECEIVED
JUN 8 1995
Bureau of
Air Regulation

Mr. Leroy Shelton
Environmental Protection Commission
of Hillsborough County
1900 9th Avenue
Tampa, FL 33605

RE: KEARNEY DEVELOPMENT CO., INC. PERMIT NO. AC29-261151
METHOD 9 COMPLIANCE TEST

Dear Mr. Shelton:

Please find enclosed the results of the subject EPA Method 9 compliance testing conducted on 6/02/95, on both the silo baghouse and diesel engine. Note that the opacity was 0% for both tests and this demonstrates compliance with the maximum permitted allowable of 5% and 20% respectively.

Should you have any questions, please do not hesitate to call me.

Respectfully,

KEARNEY DEVELOPMENT CO., INC.

Alan G. Payne
Manager-Pugmill Operations

AGP/cc
Enclosure
cc: Thomas Ellison, Jr., DEP
A.A. Linero, DEP
Bing Kearney, KDC
Bryan Kearney, KDC
copied: Willard Hanks, DEP SWD

Kinani -
Please figure out who worked on this. Then circulate to that person and on to the appropriate file. Maybe it was Willard? Al

KEARNEY
DEVELOPMENT CO., INC.
8621 M. L. KING BLVD. E. • TAMPA, FLORIDA 33610
TAMPA (813) 621-0855
PINELLAS (813) 443-3609
ORLANDO (407) 856-4076
FAX (813) 620-0001

Underground Utilities ☆ *Site Development* ☆ *Since 1956*

PROCESS DATA SHEET

DATE June 2, 1995 TESTING TIME FROM: Start 11:00 pm Finish 11:49 pm

SOURCE INFORMATION

COMPANY NAME: Kearney Development Co., Inc.

ADDRESS: 8621 M.L. King Blvd., E., Tampa, FL 33610

SOURCE IDENTIFICATION: Permit No. AC29-261151 Portable Soil Cement Plant

SOURCE LOCATION (IF DIFFERENT FROM ABOVE):

41150 Yonkers Boulevard, Zephyrhills, FL 33540

STATEMENT OF PROCESS WEIGHT

INPUT PROCESS RATE DURING TESTING TIME 24.82 tons/hr

PRODUCTION RATE DURING TESTING TIME N/A

Assumptions

Cement dust product	=	24.82 tons
Tanker unloading time	=	49 minutes
Pneumatic pressure on tanker during silo loading	=	10 psi

Calculations

(24.82 tons ÷ 49 minutes) (60 min/hr) = 30.40 tons/hr

I certify that the above statement is true to the best of my knowledge and belief.

Alan Payne

Production Manager
Title

6/2/95
Date Signed

EPA

VISIBLE EMISSION OBSERVATION FORM 1

Form Number	0	0	0	1	3	Page	1	Of	2
Continued on VEO Form Number									

Method Used (Circle One): (Method 9) 203A 203B Other: _____

Company Name: Kearney Development Co. Inc.
Facility Name: Same As Above
Street Address: 41150 Yonkers Blvd. (Plaza Materials)
City: Zephyrhills | State: FL | Zip: 33540

Process: Portable Pugmill | Unit: 700 | Operating Mode: Silo Recharge
Control Equipment: Baghouse - Full Capacity | Operating Mode: Automatic

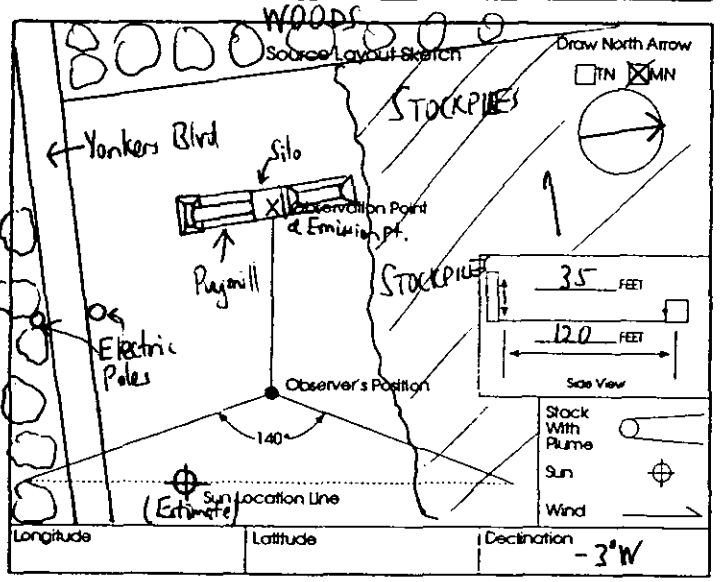
Describe Emission Point: Square hatch on Top of silo.
Round pop off valve.
Height of Emiss. Pt. Start: 35 ft. End: 35 ft
Height of Emiss. Pt. Rel. to Observer Start: 35 ft End: 35 ft
Distance to Emiss. Pt. Start: 120 ft End: 120 ft
Direction to Emiss. Pt. (Degrees) Start: 260° End: 260°

Vertical Angle to Obs. Pt. Start: 16.3° End: 16.3°
Direction to Obs. Pt. (Degrees) Start: 260° End: 260°
Distance and Direction to Observation Point from Emission Point Start: Same Point End: Same Point

Describe Emissions Start: None End: None
Emission Color Start: N/A End: N/A
Water Droplet Plume: Attached ☐ Detached ☐ None ☒

Describe Plume Background Start: Gray Sky End: Same
Background Color Start: Gray End: Gray
Sky Conditions Start: Overcast End: Overcast
Wind Speed Start: 3 mph End: 3 mph
Wind Direction Start: 110° End: 110°
Ambient Temp. Start: 77°F End: 77°F
Wet Bulb Temp.: –
RH Percent: 94%

Source Layout Sketch



Longitude | Latitude | Declination: -3°W

Additional Information
2482 tons cement powder. Pneumatic Unloading
Pressure = 10 psi. Opacity Average = 0%

Observation Date	Time Zone	Start Time	End Time
6/2/95	EDT	11:00am	11:30am

Sec / Min	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11	0	0	0	0	
12	0	0	0	0	
13	0	0	0	0	
14	0	0	0	0	
15	0	0	0	0	
16	0	0	0	0	
17	0	0	0	0	
18	0	0	0	0	
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20	0	0	0	0	
21	0	0	0	0	
22	0	0	0	0	
23	0	0	0	0	
24	0	0	0	0	
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26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print): Alan G. Payne
Observer's Signature: Alan G. Payne | Date: 6/2/95
Organization: Kearney Development Company Inc.
Certified By: Eastern Technical Assocs. | Date: 2/28/95

EPA

VISIBLE EMISSION OBSERVATION FORM 1

Form Number	0	0	0	1	4	Page 2	Of 2
Continued on VEO Form Number							

Method Used (Circle One)
Method 9 203A 203B Other: _____

Company Name

Facility Name

Street Address

City | State | Zip

Process | Unit # | Operating Mode

Control Equipment | Operating Mode

Describe Emission Point

Height of Emiss. Pt. (Start / End) | Height of Emiss. Pt. Rel. to Observer (Start / End)

Distance to Emiss. Pt. (Start / End) | Direction to Emiss. Pt. (Degrees) (Start / End)

Vertical Angle to Obs. Pt. (Start / End) | Direction to Obs. Pt. (Degrees) (Start / End)

Distance and Direction to Observation Point from Emission Point (Start / End)

Describe Emissions (Start / End)

Emission Color (Start / End) | Water Droplet Plume: Attached ☐ Detached ☐ None ☐

Describe Plume Background (Start / End)

Background Color (Start / End) | Sky Conditions (Start / End)

Wind Speed (Start / End) | Wind Direction (Start / End)

Ambient Temp. (Start / End) | Wet Bulb Temp. | RH Percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN

X Observation Point

Observer's Position

140°

Sun Location Line

FEET

FEET

Side View

Stack With Plume

Sun

Wind

Longitude | Latitude | Declination

Additional Information

Observation Date	Time Zone	Start Time	End Time
6/2/95	EDT	11:30am	11:49am

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11	0	0	0	0	
12	0	0	0	0	
13	0	0	0	0	
14	0	0	0	0	
15	0	0	0	0	
16	0	0	0	0	
17	0	0	0	0	
18	0	0	0	0	
19	0	0	0	0	
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Observer's Name (Print)

Observer's Signature | Date

Organization

Certified By | Date

EPA

VISIBLE EMISSION OBSERVATION FORM 1

Form Number	0	0	0	1	5	Page 1	Of 1
Continued on VEO Form Number							

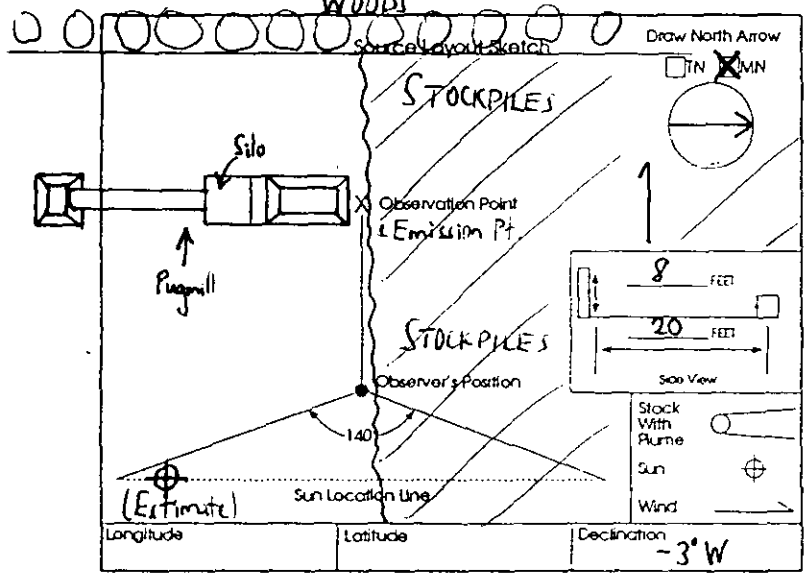
Method Used (Circle One): (Method 9) 203A 203B Other: _____

Company Name: Kearney Development Co., Inc.
Facility Name: Same As Above
Street Address: 4150 Yonkers Blvd. (Plaza Materials)
City: Zephyrhills | State: FL | Zip: 33540

Process: Portable Pugmill | Unit #: 700 | Operating Mode: 2200 rpm
Control Equipment: Diesel Engine | Operating Mode: Variable

Describe Emission Point: Twin exhaust pipes extending horizontally from engine at rear of portable pugmill.

	Start	End
Height of Emiss. Pt.	8 ft	8 ft
Height of Emiss. Pt. Rel. to Observer	8 ft	8 ft
Distance to Emiss. Pt.	20 ft	20 ft
Direction to Emiss. Pt. (Degrees)	270°	270°
Vertical Angle to Obs. Pt.	21.8°	21.8°
Direction to Obs. Pt. (Degrees)	270°	270°
Distance and Direction to Observation Point from Emission Point	Same Point	Same Point
Describe Emissions	None	None
Emission Color	N/A	N/A
Water Droplet Plume	Attached ☐	Detached ☐ None ☒
Describe Plume Background	Green Tree	Same
Background Color	Green	Green
Sky Conditions	Overcast	Overcast
Wind Speed	3 mph	3 mph
Wind Direction	90°	90°
Ambient Temp.	77°F	77°F
Wet Bulb Temp.	–	
RH Percent	92%	



Longitude | Latitude | Declination: -3° W

Additional Information: Cat. Diesel Engine running at 2200 rpm.

Observation Date	Time Zone	Start Time	End Time
6/2/95	EDT	11:50	12:25

Sec / Min	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
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6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
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11	0	0	0	0	
12	0	0	0	0	
13	0	0	0	0	
14	0	0	0	0	
15	0	0	0	0	
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17	0	0	0	0	
18	0	0	0	0	
19	0	0	0	0	
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21	0	0	0	0	
22	0	0	0	0	
23	0	0	0	0	
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26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print): Alan G. Payne
Observer's Signature: Alan Payne | Date: 6/2/95
Organization: Kearney Development Company, Inc.
Certified By: Eastern Technical Assoc. | Date: 2/28/95