CONCRETE BATCHING PLANT AIR GENERAL PERMIT REGISTRATION FORM

RECEIVEL

Part II. Notification to Permitting Office

FEB 1 3 2009

(Detach and submit to appropriate permitting office; keep copy onsite)

Bureau of Aa Mondomb

Instructions: To give notice to the Department of an eligible facility's intent to use this air general Permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

Registration Type
Check one:
INITIAL REGISTRATION - Notification of intent to:
Construct and operate a proposed new facility.
Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an
air operation permit to an air general permit).
RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:
Continue operating the facility after expiration of the current term of air general permit use. Continue operating the facility after a change of ownership.
Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any
other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.
Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only
If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner
or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the
operation permits being surrendered. If no air operation permits are held by the facility, check the second box.
All existing air operation permits for this facility are hereby surrendered upon the effective date of this air
general permit; specifically permit number(s):
No air operation permits currently exist for this facility.
General Facility Information
Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases,
operates, controls, or supervises the facility.)
Earth Tech, Inc
Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is
owned, a registration form must be completed for each.)
I-4/Maitland Blvd. Grout Plant
Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)
Street Address: I-4 & Maitland Blvd Northwest corner FDOT Right of Way
City:Maitland County:Orange Zip Code:32794
Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)
Febuary, 2009
`

DEP Form No. 62-210.920(2)(b) Effective: January 10, 2007

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FEB 1 3 2009

Owner/Authorized Representative			Military of more appropriate
Name and Position Title (Person who, by	signing this form b	pelow, certifies that the facility is	eligible to use this
air general permit.)			·
Print Name and Title: Jon Wiksten Ope	erations Manage	er	
Owner/Authorized Representative Mailing	Address		
Organization/Firm:Earth Tech, Inc.			
Street Address:2620 Hunt Road			
City:Land O' Lakes	County:Pasco	Zip Code:34	1638
Owner/Authorized Representative Telepho	one Numbers		
Telephone:813-909-8000		Fax:813-909-8001	•
Cell phone (optional):727-365-4870			3
Facility Contact (If different from Own			
Name and Position Title (Plant manager o	r person to be cont	acted regarding day-to-day opera	tions at the facility.)
Print Name and Title:			
Facility Contact Mailing Address			
Organization/Firm:			
Street Address:	_		•
City:	County:	Zip Code:	
Facility Contact Telephone Numbers			
Telephone:		Fax:	
Cell phone (optional):			
Owner/Authorized Representative State	ement	· .	· · · · · · · · · · · · · · · · · · ·
This statement must be signed and dated b	y the person name	d above as owner or authorized re	epresentative
I, the undersigned, am the owner or a addressed in this Air General Permit belief formed after reasonable inquiry use of this air general permit and that and complete. Further, I agree to ope as to comply with all applicable stand the State of Florida and rules of the D	Registration Form , that the facility a the statements ma rate and maintain ards for control of	. I hereby certify, based on inford addressed in this registration form ade in this registration form are to the facility described in this regi fair pollutant emissions found in	mation and n is eligible for rue, accurate stration form so the statutes of
I will promptly notify the Department form.	of any changes to	the information contained in this	registration
M.61.1.	7 >	17-79-	-08
Signature		Date	
2-12-00			:

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BURNOUS HIS INCOMERNATION & Mobile Sources Type of Facility Check one: ☐ Stationary Facility Relocatable Facility Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions Check all precautions to be used for the management of roads, parking areas, stock piles and yards: Pave Roads Pave Parking Areas Pave Yards Maintain Roads/Parking/Yards **☑** Use Water Application ☐ Use Dust Suppressant Remove Particulate Matter Reduce Stock Pile Height ☐ Install Wind Breaks Check all precautions to be used for the management of drop points to trucks: **7∕Enclosure** Spray Bar ☐ Chute ☐ Partial enclosure **Description of Reasonable Precautions** Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility. The unit that will be used on this site is a tempoary application for the period required to preform the work required by the Florida Department of Transportation. See attached site plan. The plant will be sitting on a concrete slab with a curb around the perimeter. Concrete blocks will be used to form a bin for the sand. The General contractor Hubbard Construction will be responsible for maintance of haul roads and acess to on and off ramps to I-4. Water trucks may be used to water haul roads.

DEP Form No. 62-210.920(2)(b) Effective: January 10, 2007

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	Desc	ription	of	Faci	ility
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Great of All Montorns

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used. The unit that will be used on this site is a tempoary application for the period required to preform the work required by the Florida Department of Transportation. The batch plant is a new unit purchased spefically for this FDOT project. The unit is a Cemen Tech SCD10-200 volumetric mixer equiped with Ultra Web filters on the cement and flyash bins. The silos will be equiped with 150 sqft bag house.

DEP Form No. 62-210.920(2)(b) Effective: January 10, 2007

CEMEN TECH

Leaders in Volumetric Proportioning and Continuous Mixing Systems 1700 North 14th Street Indianola, Iowa 50125

Phone 800-247-2464 Fax 515-961-7409

Purchase Order FIVED

FEB 13 2239

Name

Address

Bus Name

2620 Hunt Rd

City 813-909-8000 Phone

email

Lewis Broadrick Earth Tech, Inc.

Land O Lakes, FL 34638

Terms

Date

Salesman

PO Number

Bureau of Air Worldorine & Mobile Sources 11/17/08

Mike Rozga

9290

FOB Factory, Indianola Iowa 20% deposit with order

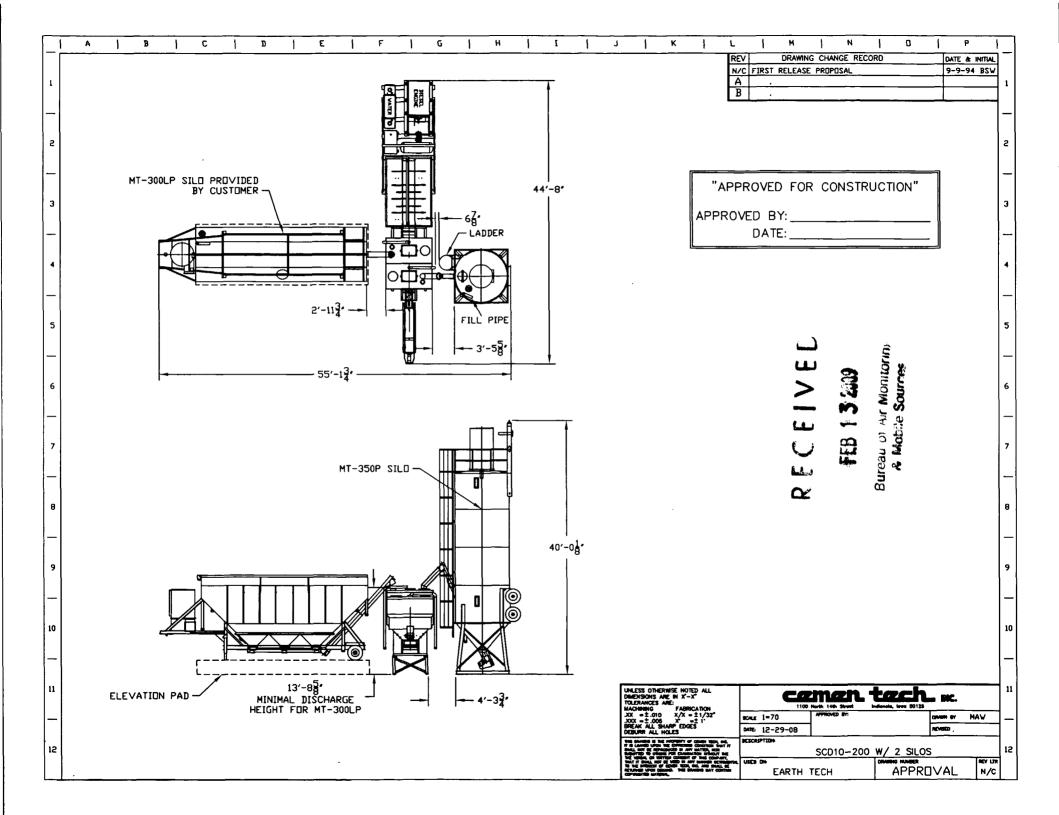
ľΥ		ESCRIPTION	PRICE
	2009 Mobile Tech 350BBL Portab	le Cement Silo	
	8' 6" dia. X 37' 6" height		•
	150 sq. ft. baghouse		
	Safety Pop-off	·	
	Safety cage railing		
	Ladder with safety cage		
	Air pads, hose, dryer and regulator		
	Man way entrance		:
1	Jam gate		
	4" blower fill pipe and adapter		
	9" internal discharge auger		
	Hydraulic motor for discharge auger	· }	
	High and low polycarbonite view win		
l	Heavy duty tandem axle trailer	·	
	Pintle style hitch		
Ì			
1			
1			
		MT350P silo as equipped:	\$27,872.00
I	·		
1			
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1			
١		•	
ķ	Seller: Cemen Tech Inc.	Purchaser:	
ı	•		
	Accepted by:	Accepted by:	•
١	Accepted by:	Accepted by: 11-20-08	

CEMEN TECH

Leaders in Volumetric Proportioning and Continuous Mixing Systems 1700 North 14th Street Indianola, Iowa 50125 Phone 800-247-2464 Fax 515-961-7409 Purchase Order RECEIVEL

FEB 1 3 2009

	Lewis Broadrick	Date	11/17/2008	nureau of Air in State & Mobile S	= "
	Earth Tech, Inc.	Salesman	Mike Rozga		11111
	2620 Hunt Rd.	PO Number	9289		-
	Land O Lakes, FL 34638	Customer PO			-
	813-909-8000	Terms	F.O.B. Factory	•	•.
,	813-909-8001	•	20% deposit wit	h order	•
			Price good throu	igh November 15,	
TY		DESCRIPTION			PRICE
	2008 Cemen Tech SCD10-	•	•	•	
	10 cu. yd. Capacity w/ 90 yd	•	•		
	115 cubic ft. cement & fly as				
ł	9' long x 16" diameter mix a	uger with replaceable N	Ni-Hard wear b	lades	
	Hydraulic mixer hoist			•	
ŀ	Quick acting water control va	alve (globe) and flow m	eter		
ľ	Water system w/ pump and	510 gallon tank		•	
	Power mixer swivel				
ļ	Air compressor and reservoi	r			
	Direct inject admix, low range	e			
	Direct inject admix, high rang	je	•		·
	Divided aggregate bin with d	ual gate controls and r	emovable bin e	divider	
	Air vibrators on sand and sto	•	•		
h	Water to oil hydraulic oil coo	lers			
	Accu Printer electronic ticket	•			
	On site start-up, training & ca	•		3	
	High/low cement and fly ash		system		
	Cement and ash bin vents &		, c, c.c		
	Pneumatic fill systems on ce		i liltra-Web filt	ere	
	MaxLife lower auger bearing				
	Variable speed controls to ru			·	
	PLC touch screen controls	ii system at 00% and	10070		
	Hydraulic controls to operate	2 CTI silos			
ľ	yaradiic coridois to operate		'D10 200 Diec	ounted Price:	\$170,628.00
		30	D 10-200 DISC	ounted Files.	\$ 170,020.00
	Customer to provide appropr	ista diesel engine			
ſ	oustomer to provide appropr	iale diesel eligilie			·
	Soller Comes Test Inc	Durch	-		
ľ	Seller: Cemen Tech Inc.	Purchaser:	111		
	A counted by	A 4 4 h	///////////////////////////////////////	# 1	,
ľ	Accepted by:	Accepted by:	ffu -		
	S -A		11-2-1-1	ne l	
Ĺ	Date:	Date: able taxes are the responsit	11-20-0	<u>~</u>	



an - Batch Plant Location

400

ORANGE

418760-1-52-01

3 76/2006

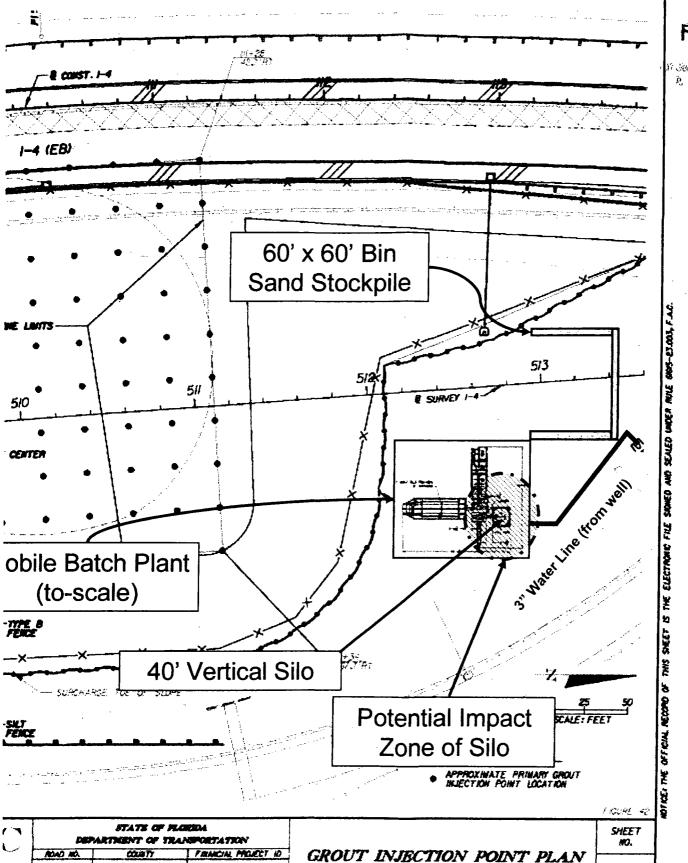


18



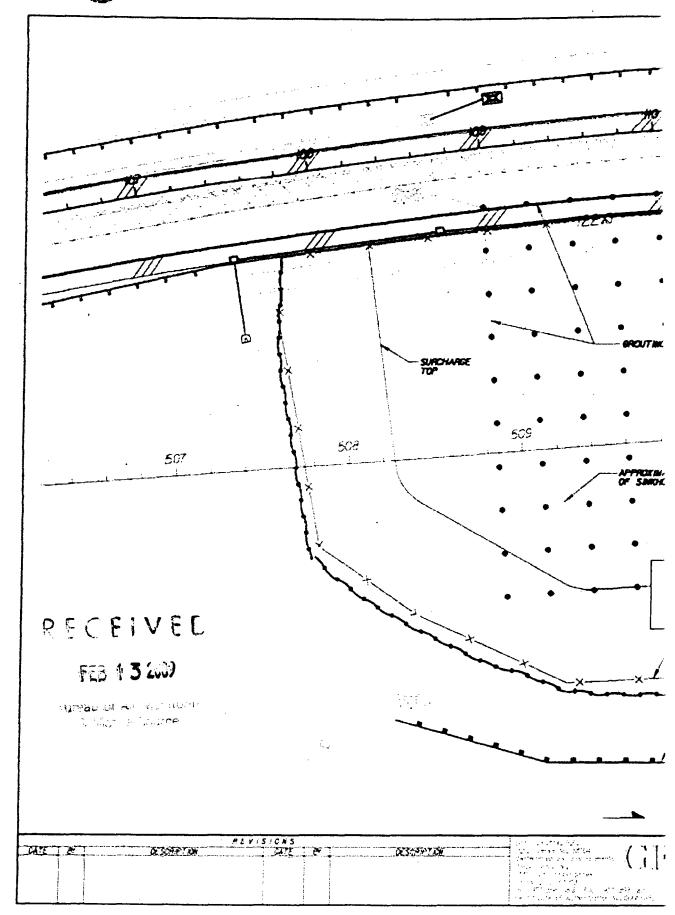
FEB 13 2009

Richard of the mornioral and Richard Mobile Sources





Pressure Grouting Site F



an - Batch Plant Location & coust. 1-4 1-4 (EB) 60' x 60' Bin Sand Stockpile 5/3 5/2 E SURVEY 1-4 510 3. Water Line troff well lobile Batch Plant (to-scale)

STATE OF PLOREDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY SHAMOLAL PROJECT ID

400 ORANGE 418760-1-52-0:

ROAD NO. ORANGE 418760-1-52-0:

ROAD NO. ORANGE 418760-1-52-0:

Potential Impact

Zone of Silo

APPROXIMATE PRIMARY GROUT INJECTION POINT LOCATION

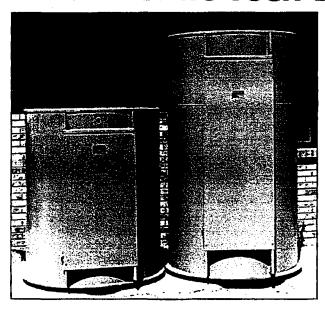
40' Vertical Silo

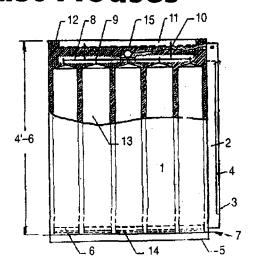


AOBILE CONCRETE TECHNOLOGIES, Inc. a division of cemen tech RECEIVEL

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Micau on An informati 1. Mobile Source **Mobile Tech Dust Houses**





SQUARE FT. **BAG AREA**

CAP. CEMENT

150 225 375 C.F.M. 675 C.F.M.

Parts List	150 Sq. Ft.	225 Sq. Ft.
Housing	4'6" x 10' x 14 Ga.	6'6" x 10' x 14 Ga.
2. Door Frame	4'4" x 4 1/2" x 12 Ga.	6'4" x 4 1/2" x 12 Ga.
3. Door Frame Screw (2)	21" x 4 3/4" x 12 Ga.	same
4. Door	42" x 24" x 14 Ga.	60" x 24" x 14 Ga.
5. Mating Flange	2" x 2" x 3/16 Angle 44" Diameter	same
6. Sock Holders	8" Diameter - 18 Pcs.	same
7. Base	48" Dia. x 10 Ga.	same
8. Shaker Plate	36" Dia. x 12 Ga.	same
9. Open Eye Bolt	1/4" x 3" - 18 Pcs.	same
10. Suspension Bolts (4)	3/8" x 5" Hex	same
11. Suspension Bar Ass'm	Angle Iron Support	same

47" Dia. x 14 Ga.

(18) 4' x 8" Dia.

18 Required

VS 190

Filter	Stock Specifications
Style	PE 37
Fiber	100% Polyester
Weight	9 oz./Sq. Yd.
Construction	Spun/Spun
Count	100W x 60F
Air Permeability	20-30 C.F.M.
Mullen Burst	500 PSI
Tensile Strength	Warp Direction 300#
_	Fil Direction 275#
Thermal Stability	2% Max. 300 Degrees F
Max Operating	
Temp	275 Degrees F
Efficiency	99.99%

Operation Recommendations

Opt: Single Phase Electric Vibrator

13. Polyester Socks

14. Band Clamps

12. Cover

15. Vibrator

Air Pressure: Do not run vibrator over 80 PSI. Too low air pressure and lack of adequate air supply (too small line to vib.), however, is one of the primary causes for poor performance of air vibrators. For example, 80 PSI at 50 CFM through 150 of 1/2" hose or pipe will lose more than 30 lbs. of pressure due to friction loss. Fittings and bends in the line and other obstructions will also reduce the air pressure. A general rule for estimating compressor output is 5 CFM to 1 HP compressor.

(18) 6' x 8" Dia.

same

same

same

RECENVED

FEB 13 209

FABRIC FILTERS

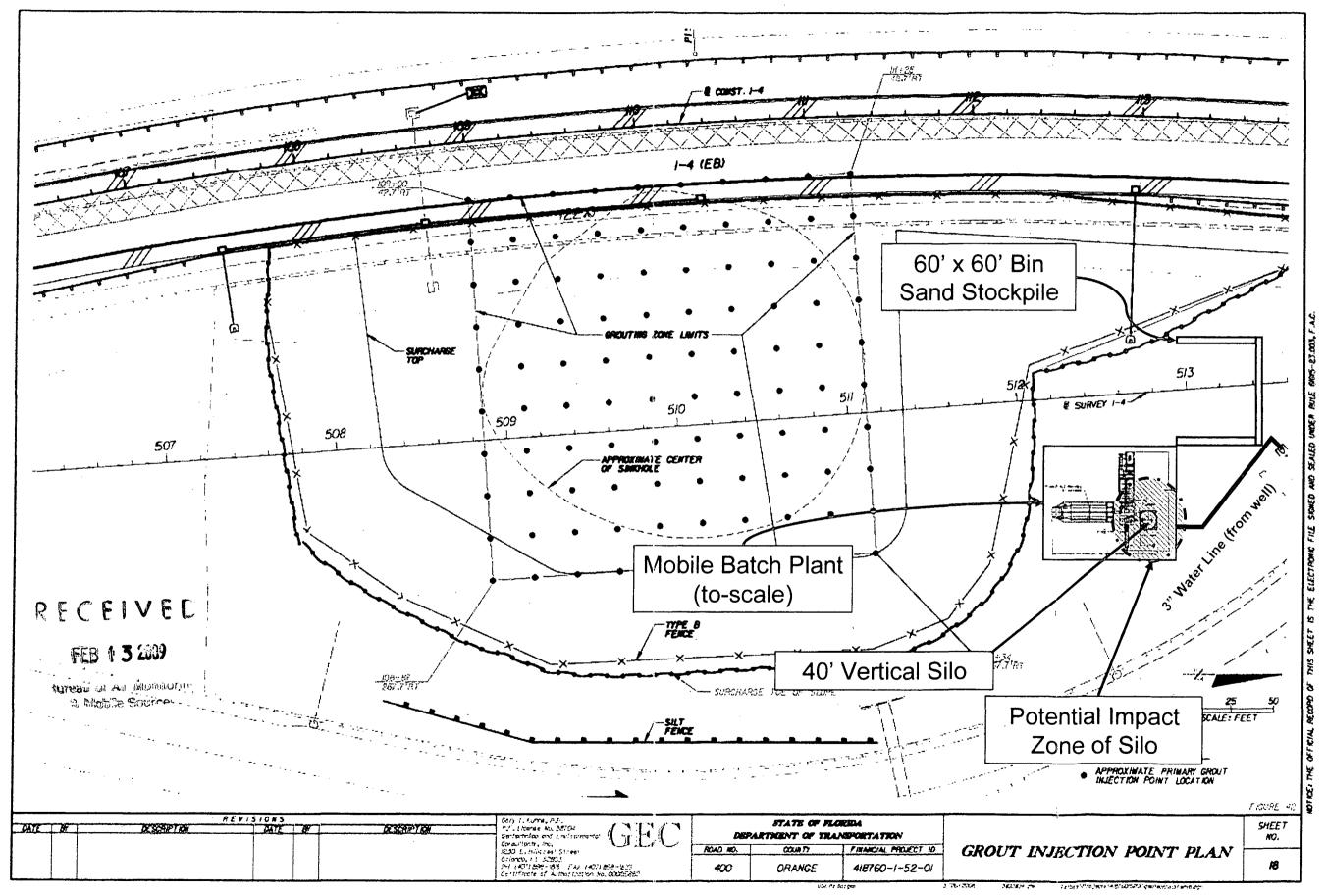
Huteau of As allorators.

Point N	lumber (from flow di	agram)	Manufact	turer & Model No. (if available)
			Belgra	de Steel Tank Co	Belle 150
Nar	ne of Abatement Dev	rice	Туре	of Particulate Con	ntrolled
	Belle 150 Dust House		Cement Dust		
		SAS STREAM CH	IARACTERISTIC	s	
Flow Ra	te (acfm)	Gas Stream Te	emperature (°F) Particulate Grain Loading (gr		
Design Maximum	Average Expected			Iniet	Outlet
375	375	Ami	pient	N/A	0.01
Pressu	re Drop	Water Vapo	r Content of	Fan Requirements	
(in H	120)	Effluent Stream (Effluent Stream (lb water/lb dry air)		(cubic ft/min)
5"		Ambient		N/A	N/A
		PARTICULATE	DISTRIBUTION		
		(by w	eight)	·	
Micron	Range	inlet		Outlet	
0.0 - 0.5		0%		99.98%	
0.5 - 1.0		3%		0.02%	
1.0 - 5.0		17%		0.00%	
5.0 - 10.0		18%		0.00%	
10.0 - 20.0		21%		0.00%	
over 20.0		41%		0.00%	
	-	FILTER CHAR	ACTERISTICS	· · · · · · · · · · · · · · · · · · ·	
Filtering Velocity	Bag Diameter	Bag Length	Number of Bags	Number of	Compartments
acfm/sq ft of cloth)	(inches)	(inches)		in Baghouse	
2.5	8"	48"	18		1
Bag rows will be:	•		Walkways will be pr	ovided between ba	anks of bags:
	Staggered		1 . 1 I	No	
iltering Material:	PE 37 100% Polyeste	9oz.	en vertical and the state of th	A STATE OF THE STA	
Describe Bag Cleani	ng Method and Cycl	9:	Air Vibrator Shaker	latelli kirje og er er er er er er Grænse for fregere ge	
Capital Installed Cos	st:	\$1,600	Annual Operating C	ost:	\$50



Pressure Grouting Site Plan – Batch Plant Location





Io#1115519

Dibble, Dickson

From: Jon Wiksten [jwiksten@earthtech.net]

Sent: Monday, February 23, 2009 9:42 AM

To: Dibble, Dickson

Subject: Additional info you requested

Dick,

Here is the additional information you requested.

1. Deutz engine model no. TCD2012L06, Serial no. 10582816 - 208 hp

2. Here is the information that I found on the Ultra Web filters. **Supplier:** Donaldson Inc. **P/N:** P030904-016-436

Jon Wiksten

Mircha

Jon Wiksten
Director of Operations
Earth Tech, Inc.
2620 Hunt Road
Land O' Lakes, FL 34638
Voice 813-909-8000
Fax 813-909-8001
Cell 727-365-4870
email jwiksten@earthtech.net

EPA III Industrial Engine Range

Engine Type Config FIE Type Cooling ISO 3046(1) Max Torque Stroke (ft.lb@/rpm) In In In In In In In I											
hp kW rpm 2008 Series	.16.27										
2008 Series											
	1 2424 155										
D 2008 L4 4 IL Mech. Water 36 27 3000 68 / 2000 76 / 86 1.56 24.7 627 18.9 480 24.4 620											
2009 Series	<u></u>										
D 2009 L3 3 IL Mech. Water 37 28 3000 79/4600 90/90 172 23 5 597 19.3 490 24.1 612	397 1180										
D 2009 L4 4 IL Mech. Water 48 36 3000 111 / 1600 90 / 90 2.29 26.7 680 19.3 490 24.1 612											
TD 2009 L4 4 IL Mech Water 67 50 2800 140 / 1600 90 / 90 2:29 27/4 696 20:4 518 24:9 63:	463 210										
2010 Series (Production begins Q4, 2008)											
TD 2010 L4 4 IL Mech. Water 86 64 2600 2217/1400 96 7 120 3.5 27.2 690 20.5 520 26.8 680											
TCD 2010 L4 4 IL Mech. Water 99 75 2600 258 / 1400 96 / 120 3.5 27.2 690 20.5 520 26.8 680	594 270										
2011 Series (Integrated Cooling)											
D 2011 L2i 2 L Mech. Oil 31 23 32800 66/4700 94/412 1.6 19/2 487 17.8 451 26.9 68											
D 2011 L3i 3 IL Mech. Oil 49 36 2800 101 / 1700 94 / 112 2.3 23.6 599 17.8 451 26.7 678											
D 2011 L4i											
TD 2011 L4i 4 IL Mech. Oil 75 56 2600 184 / 1600 96 / 112 3.3 28.0 710 20.9 530 28.1 713	589 267										
2011 Series (External Cooling)											
D 2011 L2	372 169 462 210										
D 2011 L4 3 L Mech. Water 67 50 2600 137 700 947 12 2.3 23.6 399 17.8 451 28.9 67											
TD 2011 L4 4 IL Mech. Water 91 68 2600 207 / 1600 96 / 125 3.6 28.0 710 19.5 495 (28.1 713											
TCD 2011 L4 4 IL Mech. Water 990 75 2600 258//1600 96//125 3.6 28:0 7.10 19.5 495 28:1 713											
914 Series											
D 914 L3 3 IL Mech. Air 57 43 2300 149/4500 102 /132 3.2 27:77 703 27.4 696 31.3 795	626 284										
D 914 L4 4 IL Mech. Air 78 58 2300 199 / 1500 102 / 132 4.3 31.9 811 27.4 696 31.3 795											
D 914 L5 5 IL Mech Air 97 72 2300 246/1500 102 132 5.4 37.7 959 27.4 696 32.8 83											
D 914 L6 6 IL Mech. Air 116 87 2300 277 / 1500 102 / 132 6.5 42.7 1084 26.6 676 34.8 885											
TCD 914 L6 64L Mech, Air 174 130 2300 468 1600 102 132 6.5 49.7 1262 283 720 38.9 988	1124 .510										
2012 Series											
TD 2012 L4 4. IL Mech. Water 88 66 2300 258/1600 1017/126 40 34:0 864 27.0 680 32.0 822											
TCD 2012 L4 4 IL Mech. Water 118 96 2400 310 / 1600 101 / 126 4.0 34.0 864 27.0 680 32.0 822											
TCD 2012 L6 6 IL Electronic Water 208 155 2400 597 / 1600 101 / 126 6.0 44.0 1125 29.0 748 36.0 905											
	1116 506										
2013 Series TCD 2013 L4 2V 4 IL Mech. Water 139 104 2200 420//1500 108//130 4;8 37.6 954 24/7 628 38/9 987	1113 505										
TCD 2013 L4 2V 4 IL Electronic Water 173 129 2300 494 / 1600 108 / 130 4.8 37.6 954 24.7 628 38.9 987	1113 505										
TCD 2013 L6 2V 6 IL Electronic Water 268 200; 2300 811 / 1500 108 / 130 7.2 50.0 1269 25.9 657 39.9 101											
TCD 2013 L6 4V 6 IL Electronic Water 326 243 2100 966 / 1450 108 / 130 7.2 52.1 1324 27.6 700 43.0 109											
2015 Series											
TCD 2015 V6 6 V Electronic Water 483 360 2100 1535 1300 132 145 12.0 37.3 857 37.0 940 44.9 1150 1874 850											
TCD 2015 V8 8 V Electronic Water 671 500 2100 2133 / 1400 132 / 145 16.0 46.3 1187 36.7 940 44.9 115											

Additional Notes:

Standard reference conditions apply.

All information is subject to change and is given for information purposes only and is not binding.

Notes:

(1) Power ratings flywheel net, without deduction of fan power consumption. All power ratings refer to the run-in-engine (50-100 operating hours). For all indicated ratings, tolerances of +/- 5% apply according to ISO 3046, 88/195/EEC, 89/491 EEC.

⁽²⁾ Dimensions refer to standard applications.

⁽³⁾ Weight of engine ready for operation according to DIN 70020, part 7A, without starter, alternator and lube oil, but for air cooled engines it includes complete cooling system, for water cooled without radiator.

^{*} Please contact DEUTZ Corporation or one of its authorized representatives for detailed information.

688 1000

1,800,463,3339

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