

RECEIVED

JUN 16 2011

CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM

Bureau of Air Monitoring
& Mobile Sources

Part II. Notification to Permitting Office

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

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(4)(o), F.A.C. (\$100 as of the effective date of this form)

7775338-002

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.)

Hayward Baker, Inc. (June 2011 renewal of 7775338-001-AG; exp. date: 7/6/2011; currently "Inactive".)

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.)

Mobile Concrete Mixer & Cement Silo - 7775338 (Stored at Hayward Baker headquarters, 6850 Benjamin Rd., Tampa, FL 33634 unless mobilized to job sites.)

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 6850 Benjamin Road

City: Tampa

County: Hillsborough

Zip Code: 33634-4416

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)

N/A

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN 15 AM 9:40
PERMITTING

Owner/Authorized Representative

| | | |
|--|--|--|
| <u>Name and Position Title</u> (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.) Print Name and Title: Mr. Dean Elliott, Operations Manager NOTE: The undersigned Authorized Representative requests this facility be noted/categorized as Long Term Reserve Shutdown ("LTRS)" status, effective June 2011. Facility ID No. 7775338. | | |
| <u>Owner/Authorized Representative Mailing Address</u> Organization/Firm: Hayward Baker, Inc. Street Address: 6850 Benjamin Road City: Tampa County: Hillsborough Zip Code: 33634 | | |
| <u>Owner/Authorized Representative Telephone Numbers</u> Telephone: (813) 884-3441 Fax: (813) 884-3820 Cell phone (optional): (813) 299-3413 | | |

Facility Contact (If different from Owner/Authorized Representative)

| | | |
|---|--|--|
| <u>Name and Position Title</u> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: Same as above. | | |
| <u>Facility Contact Mailing Address</u> Organization/Firm: Street Address: City: County: Zip Code: | | |
| <u>Facility Contact Telephone Numbers</u> Telephone: Fax: Cell phone (optional): | | |

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form 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.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature: Dean Elliott Date: 06/14/2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2011 JUN 15 AM 9:40
PERMITS & ACCOUNTING
REVENUE

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:

Spray Bar

Chute

Enclosure

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.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN 15 AM 9:10
PERMITS & ACCOUNTING
SAVERIDE

Description of Facility

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.

This June 2011 re-registration is for the renewal of Permit No. 7775338-001-AG (expiration date: 7/6/2011) for Hayward Baker, Inc. This facility is currently classified as "Inactive" in DEP ACES database.

NOTE: The Authorized Representative requests this facility be noted/categorized as Long Term Reserve Shutdown ("LTRS") status, effective June 2011. Facility ID No. 7775338.

The facility is a relocatable trailer-mounted concrete batching plant and a trailer-mounted cement storage silo to produce concrete at job sites for specific on-site needs.

The batching plant, a NFS Industries, Inc. (NSF), "Mobil-Creter Model 20-CY", is a two conveyor, three component, trailer-mounted batch plant, with hydraulic driven mixer/conveyor auger. It has sand/aggregate hoppers and a cement hopper. See attached equipment information.

The Diversified Storage Systems ("DSS"), "Low-Pro Silo", 800 cu.ft capacity, trailer-mounted silo holds approximately 30 tons of cement. The silo is equipped with a DSS, Model "air max 150s", dust collector with 150 sq.ft. of filtration area. Cement is loaded into the storage silo pneumatically through a hose from a bulk delivery tanker truck. The baghouse controls particulate matter (dust) emissions associated with the air displaced from the silo during loading of cement into the silo. See attached equipment information.

2011 JUN 15 AM 9:40
OFFICE OF PERMITTING
AND REGULATORY SERVICES
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

NFS BATCH PLANT - MODEL 20 - CY

EQUIPMENT #'S: 5924, 5925, 5929, 5930, 5931

A two conveyor, three component trailer mounted batch plant, with hydraulic driven mixer/conveyor auger.

EQUIPMENT #'S: 5924, 5925 and 5931 are powered by Deutz F3L-912 diesel engines.

PER MR. DEAN ELLIOT - 6/29/11, 1055 HRS

EQUIPMENT #'S: 5929 and 5930 are powered by Wisconsin gas engines.

Our experience indicates these units are capable of batching up to a maximum of 12 to 15 Cubic Yards per hour.

Dimensions:

Length: ~~7~~ Feet
Width: 8 Feet
Height: 9 Feet

Feed Auger Discharge Height: 5 Feet
Weight: 4,000 Pounds

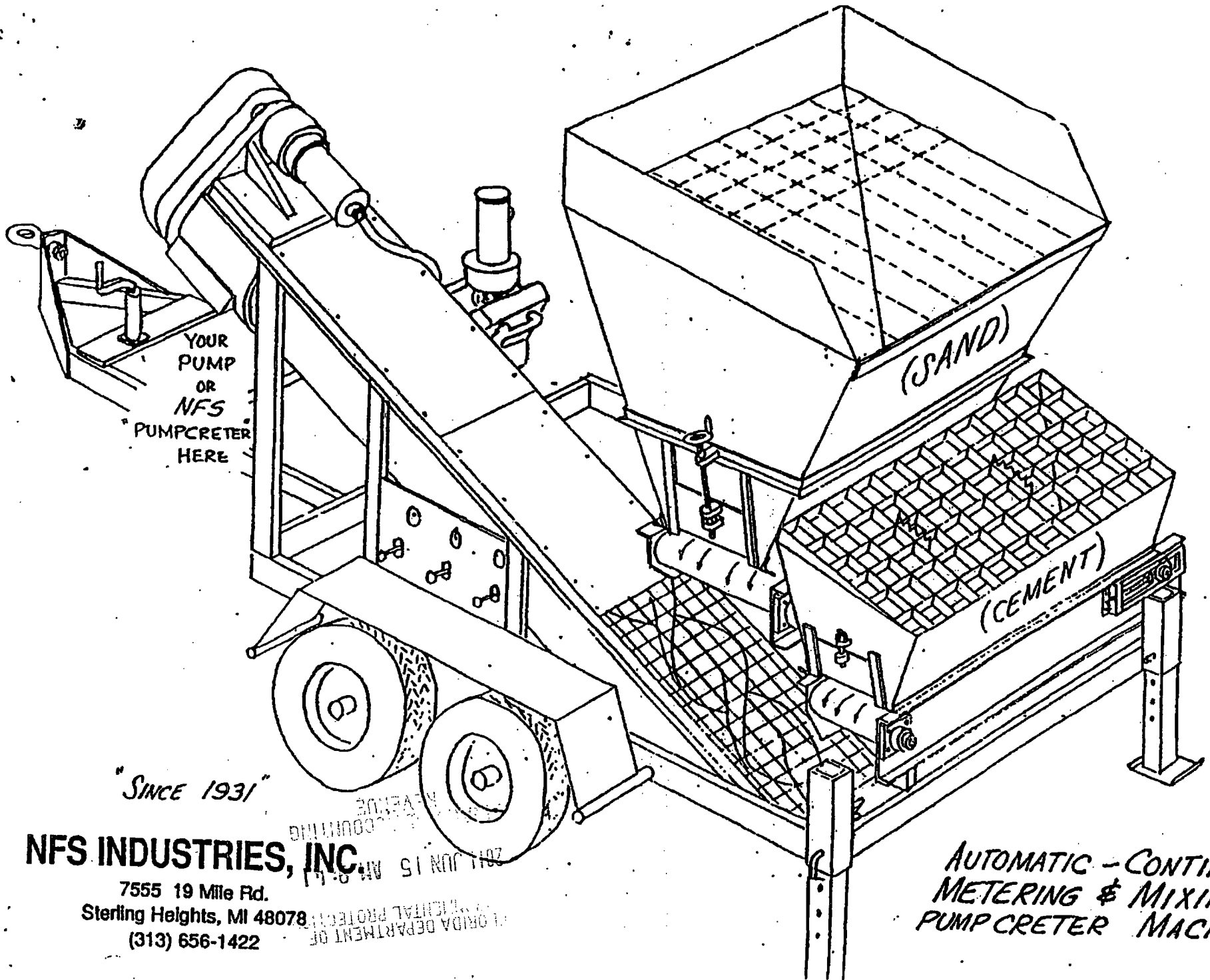
Dept. of Environmental
Protection

JUN 05 2006

Southwest District

*Batch plant
a.u.
Elliot*

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN 15 AM 9:41
FINANCIAL ACCOUNTING
REVENUE



YOUR
PUMP
OR
NFS
PUMPCRETER
HERE

(SAND)

(CEMENT)

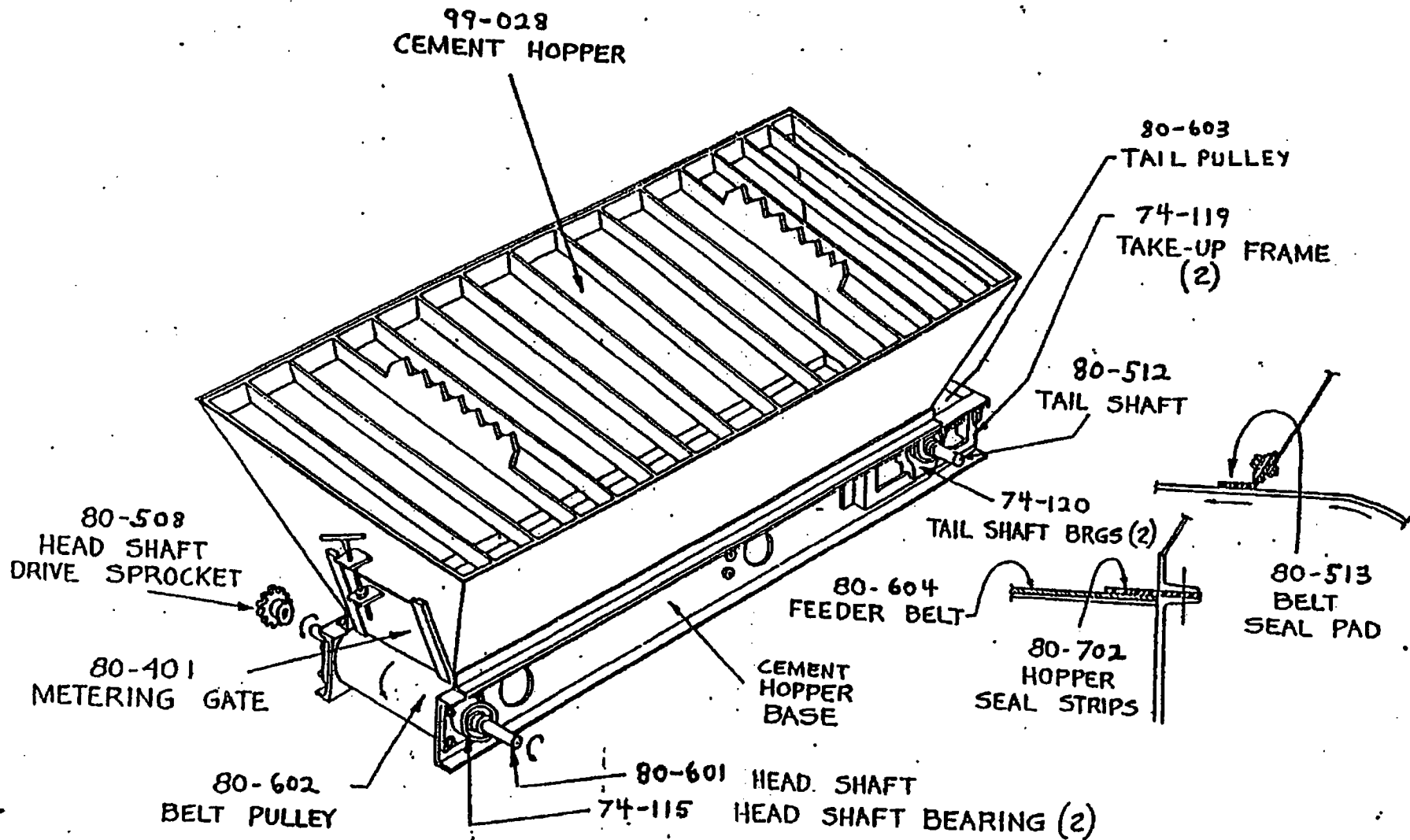
"SINCE 1931"

NFS INDUSTRIES, INC.

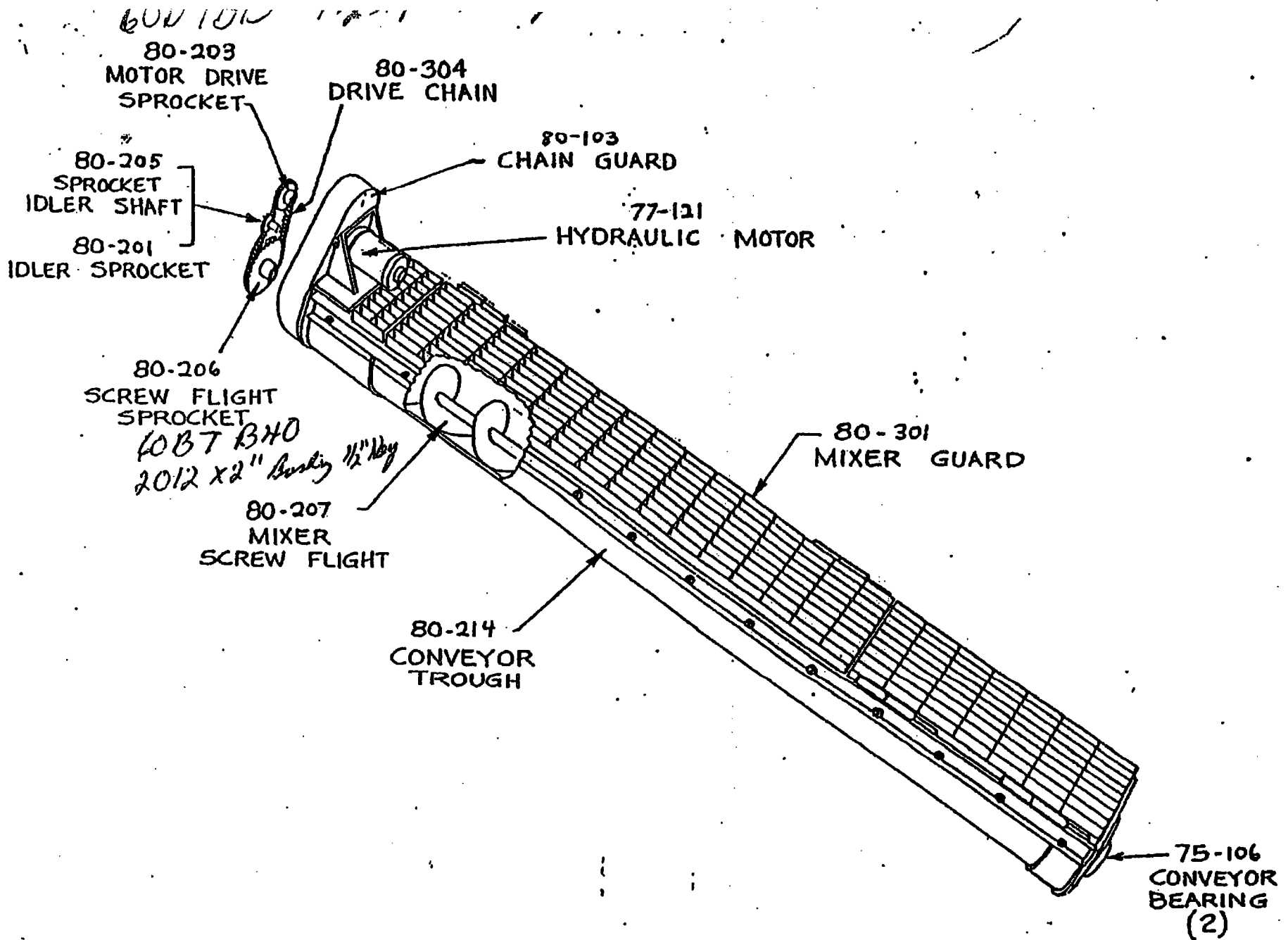
7555 19 Mile Rd.
Sterling Heights, MI 48078
(313) 656-1422

**AUTOMATIC - CONTINUOUS
METERING & MIXING
PUMPCRETER MACHINE**

REVENUE
ACCOUNTING
JUN 15 AM 8-11 1964
FLORIDA DEPARTMENT OF
REVENUE



MOBIL-CRETER MODEL 20-CY



MOBIL-CRETER MODEL 20-CY



Industries, Inc.

REGISTERED

NOV 30 1989

NFS INDUSTRIES, INC.

7555 19 Mile Rd.
Sterling Heights, MI 48078
(313) 656-1422

File
5931

OPERATOR'S MANUAL
MOBIL-CRETER MODEL 20-CY

The NFS MOBIL-CRETER MODEL 20-CY is designed to deliver a continuous, accurately metered flow of sand, aggregate and cement mix to a pump, bucket, prime mover or other container mounted or placed under the mixer-conveyor discharge opening.

The basic power source on the MOBIL-CRETER may be either an air or water cooled gasoline or diesel engine. An electric motor may be supplied in the case of stationary applications.

For instructions on the care and operation of any engine, please consult the engine manual supplied by the manufacturer of the particular engine installed on your unit.

Engines are set up to drive a close coupled dual hydraulic pump; one section powering the variable speed belt-feeder motor, the other pump section operating the mixer-conveyor motor.

Familiarize yourself with the essential points of operating and servicing your MOBIL-CRETER by studying the manual before starting operations. The instructions and information contained here are based on practical field experience and should be followed exactly if the equipment is to perform satisfactorily.

START UP INSTRUCTIONS

- a. Level machine in place convenient to material stockpiles.
- b. Set hydraulic control levers in NEUTRAL position.
- c. Check for sufficient engine fuel - especially important when operating a diesel engine.
- d. Check the hydraulic oil level - Oil reservoir is in the frame and ^{or} tank
- e. Start engine - hold at fast idle
- f. Activate belt feeder using control valve and speed control. Check belts for proper tracking. They must run centered on pulleys. If they do not, adjust centering using the "TAKE-UPS" at the rear of the conveyors.
- g. When adjusted, turn off the belt feeder valve.
- h. WITH ALL GUARDS IN PLACE, activate the control valve and operate the mixer-conveyor.
- i. Fill sand and aggregate hoppers and load ten bags of cement into the cement hopper.
- j. For a 6:1 ratio mix, set cement gate opening at 3/4" and if windrowed mixed sand and stone is being used, set both gates of the aggregate hopper at 3". For a standard mix as given in "Audels Mason and Material Guide" consisting of 1 part cement; 2 parts sand; one part stone, and using 2700 lb. as the weight of a cu. yard, set cement at 3/4" opening, sand at 5 1/2" opening and stone at 1-3/4". These figures are based on a 15" wide total opening in the aggregate hopper and 10" wide opening in the cement hopper. For other proportions see table No. 1 attached.
- k. With auger-mixer turned on, open control valve to the belt feeders. Adjust speed with flow control valve to the volume required. Some adjustments will be necessary in this area depending on production requirements, pump capacity, amount of material to be placed etc.

START UP INSTRUCTIONS - continued

1. As material coming off the belts is beginning to be mixed and propelled upwards in the mixer-conveyor, adjust water valve to obtain the correct slump. NOTE: Once the ratio of water to material is established, any change in speed of the belt feeders will require a further adjustment in the water supply. Once materials and water are balanced, then it is only necessary to keep the hoppers charged.

SHUT DOWN - TEMPORARY

Should it be necessary to stop the flow of concrete for any reason temporarily,

- a. Close water valve
- b. Shut off control valve to belt feeder
- c. Shut off control valve to mixer-conveyor

On re-start, open water valve to line making sure setting is same as previously used as indicated on the water flow meter. Immediately start both feeder belt and mixer-conveyor. Some minor adjustment may be required to get materials balance to the desired slump.

SHUT DOWN - FINAL

- a. Estimate the amount of materials required for the completion of the job and put this amount in hoppers. In the event there is more material in the hoppers than required, run them out either wet or dry mix. DO NOT LEAVE ANY MATERIALS EITHER CEMENT OR AGGREGATES IN HOPPERS WHEN TOWING.
- b. Do NOT wash out dry cement hopper or aggregate hopper. BUT with mixer conveyor running slowly WITH THE GUARD IN PLACE, thoroughly hose out the mixer-conveyor.
- c. This completed, SHUT OFF ENGINE. Release the clamps holding the rubber mixer-conveyor trough in place, open guards and clean off auger and trough as necessary. Re-fasten clamps before towing.
- d. Brush off any loose cement or if an air compressor is available, blow off all accumulated dust and sand.

NEVER RAISE GUARDS OR PERFORM MAINTENANCE OR CLEANING (OTHER THAN WITH HOSE AND WATER) UNLESS ENGINE IS SHUT OFF. KEEP HANDS AWAY FROM MOVING PARTS AT ALL TIMES.

AUGER-MIXER

Keep flights clean as noted above - DO NOT LET CONCRETE BUILD UP INTERFERE WITH MIXING ACTION. CLEAN AFTER EACH USE. Grease the bearings daily and check drive chain tension once a week, adjusting idler sprocket if required. SHUT OFF ENGINE WHEN PERFORMING ANY MAINTENANCE OR INSPECTION.

START UP INSTRUCTIONS

FEEDER BELTS

Grease bearings once a day. Keep belts clean and DRY. DO NOT OIL DRIVE CHAINS. Check belt tension if either of the belts slip or do not start moving immediately under load conditions.

Inspect pulleys for build-up of cement and clean them if necessary. Do not leave any cement in hopper overnight....it may harden because of humidity or wet weather if the machine is left unprotected and cause operational problems the next time the unit is put to use.

HYDRAULIC SYSTEM

Each motor is driven by an independent section of the hydraulic pump. Pressure relief valves are factory set at 1200 P.S.I. but normal operation pressures should not range over 800 P.S.I. and are generally lower depending on loads. DO NOT CHANGE PRESSURE RELIEF VALVE SETTINGS WITHOUT CONSULTING FACTORY. The suction filters for the hydraulic oil should be checked regularly and replaced when necessary. If these filters are not serviced, the supply of fluid to the pump is shut off or retarded and the motors will not operate smoothly. THIS IS IMPORTANT

TROUBLE SHOOTING

Lack of power to mixer-conveyor or belt feeders

Check hydraulic fluid level
Check engine R.P.M's
Check Hydraulic oil filters

Uneven speed of belts or mixer-conveyor

Check Hydraulic fluid level
Check belt tension

Feeder belts not turning

Check belt tension and adjust take-ups
Check for stone wedged under extruding plate
Check for excess material accumulation on feeder belt pulleys or stone caught between pulley and belt

Mixer-conveyor not turning

Check for stone wedged under flight
Check for jamming of material at top conveyor
Check Hydraulic oil level

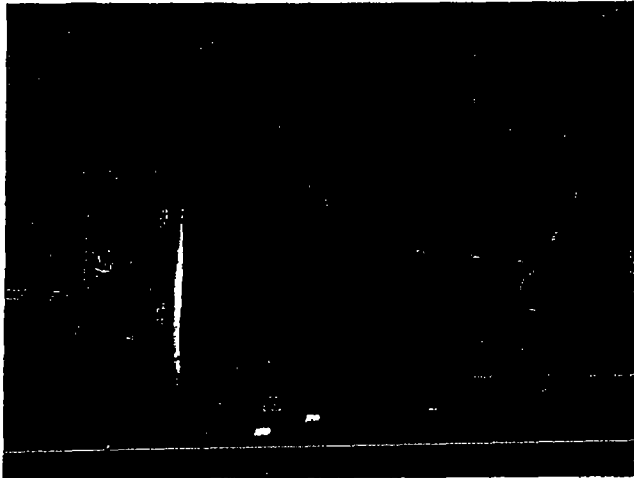
ENGINE MUST BE TURNED OFF AT ALL TIMES WHEN MAKING INSPECTIONS AND CHECKS. KEEP HANDS AWAY FROM MOVING PARTS WHEN MACHINE IS IN USE.

(888) 745-6797

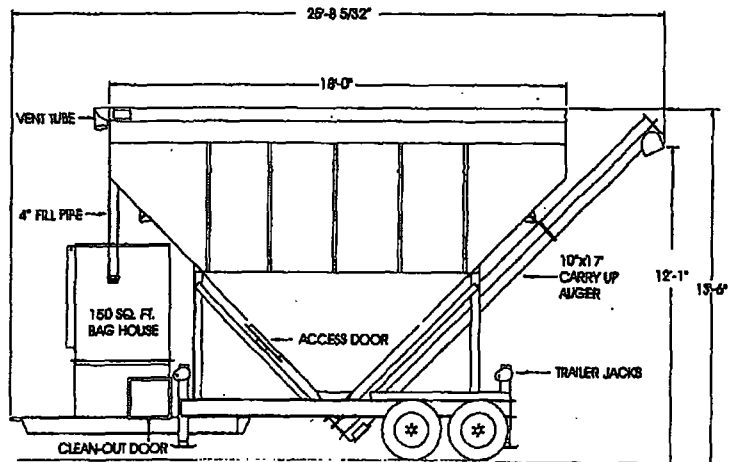


cementsilos.com

LOW-PRO SILO - 800 CU. FT CAPACITY



Can easily be towed - legal height & width!



STANDARD FEATURES

- 30 Ton Capacity (Cement)
- 10" Diameter Screw (12 cf/minute)
- 10hp 3 Phase Motor and Gear Box Drive
- 150 sq. ft. Bag House with Electric Vibrator
- Jamgate Assembly
- Upper Level Indicator with Light and Horn Alarm
- Starter Panel
- Cone Actuators
- Non-stick Cone Coating
- Heavy Duty Axle Trailer with Light Package

OPTIONS

- 7" Diameter Screw
- 5hp Motor and Gear Box Drive
- 16hp Gas Motor

SETUP/SITE REQUIREMENTS

Compacted, level soil or better

APPLICATIONS

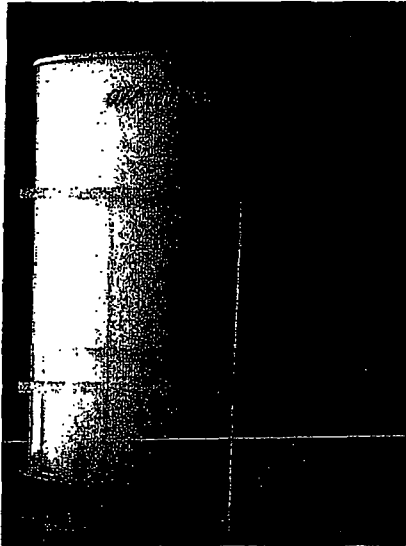
- Cement
- Fly Ash
- Lime
- CKD
- Sand
- Bentonite/Clay
- Calcium Carbonate
- Chemical Powder Products
- Agricultural Powder Products
- Food Grade Dry Bulk Products



DIVERSIFIED STORAGE SYSTEMS

(888) SILO-SYS (888) 745-6797

airmax 150 S Dust Collector



Collector Specifications

| | |
|--|--------------|
| Total Filtration Area | 150 Sq. Ft. |
| Air to Cloth Ratio (ACFM/Sq.') | 2.5 |
| Pressure Drop (in. H 2O) | 6" |
| Air Capacity | 375 C.F.M. |
| Outlet Area (Sq.') | .58 |
| Cleaning Method | Shaker Plate |
| Vibrator (Air or Electric) | Rotary Style |
| Vibrator Air Consumption (High Press.) | 8 CFM (Max) |
| Vibrator Power | 120 V/ 1 ph |
| Duty Cycle | 1.5 hours |
| Normal Operating Pressure | 8 - 15 PSI * |
| Max Operating Pressure | 20 PSI * |
| Over pressure relief settings | 18 PSI * |

Filter Bag Specifications

| | |
|--------------------------------|--------------------|
| Filter Bag Count | 18 hung style |
| Replacement Filter Bag Model # | DC150S |
| Dimensions | 8" OD X 48" Height |
| Filter Area (Per) | 8.33 Sq. ' |
| Material Weight | 9 oz. / Sq. Yd. |
| Fiber | 100% Polyester |
| Construction | Spun/Spun |
| Permeability | 25 c.f.m. |
| Mullen Burst Dry | 500 PSI |
| Temperature Limit | 275 Deg. F. |
| Efficiency (PM-10) | 99.99% |

Vibrator Specifications

| | |
|--------------------------|--------------|
| Air Vibrator | Model V-190 |
| VPM @ 60 PSI | 4200 |
| CFM @ 60 PSI | 7.5 CFM |
| Noise @ 60 PSI | 70 db |
| Control | Manual |
| Electric Vibrator | Model 2P-75 |
| Voltage/amps | 115v/0.5 amp |
| VPM | 3600 |
| Noise | 60 db. |
| Control | Auto/Manual |

Collector Performance (PM-Reg.)**

| | |
|-------------------|----------------|
| 0.0 - 0.5 Micron | 99.98% Passing |
| 0.5 - 1.0 Micron | 0.02 % Passing |
| 1.0 - 20.0 Micron | 0.0% Passing |

** Typical Portland Cement is 44 Micron

Mounting Options

Bin Vent Mount (Silo Top)
 Base Mount (Optional Base Needed)
 Trailer Mount (Portable Applications)

* This style unit dose not use magnahelic gauge. Dust Collector performance is measured by back pressure at load line.

1135 E. Wooley Rd. Ph # 805-247-0418
 Oxnard CA, 93030 Fax # 805-247-0246

www.CementSilos.com

2011 JUN 15 AM 10:41
 FINANCIAL
 EQUIPMENT
 LORIDA DEPT PROT
 OPERATIONAL PROT

Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □ (813) 752-5014, Fax (813) 752-2475

June 14, 2011 Via Next Day Delivery

FDEP
3800 COMMONWEALTH BOULEVARD, MS-77
Tallahassee, Florida
32399
Phone: (850) 921-9586

Re: Air General Permit Re-Registration for Concrete Batching Plant (CBP)
Current Permit No. 7775338-001-AG
Hayward Baker, Inc.
Headquarters Location: 6850 Benjamin Road, Tampa, FL 33634

Gentlemen:

On behalf of Hayward Baker, Inc., Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed re-registration FORM for the above referenced existing, previously permitted facility. Also enclosed is the \$100.00 fee check.

If you have any questions concerning the permit application please contact me at office phone (813) 752-5014 or email at: lrobinson@sesfla.com.

Sincerely,

SOUTHERN ENVIRONMENTAL
SCIENCES, INC.



Lynn Robinson, P.E.
Permitting Manager

Encl: CBP Re-Registration Form and \$100.00 fee check

Cc: Mr. Dean Elliott, Operations manager, Hayward Baker, Inc.,
Email: DAElliott@haywardbaker.com

SES Project 11P228

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN 15 AM 9:40
FINANCE & ACCOUNTING
REVENUE