CODISPOSAL WASTE EVALUATION RESPONSE

TO: Lisa J. Thorvig, Supervisor
Solid Waste Enforcement Unit

DATE: 10-3-84

THRU: Douglas J. Robohm/Stephen J. Lee SJL
Hazardous Waste Disclosure Unit

FROM: Doug Robohm
Hazardous Waste Disclosure Unit

Generator/Hauler AFC, Inc.

Log # 181

10-2-84
Date Received by MPCA

Waste Dehydrated Settling Pond Sludge

☐ Hazardous -- Management of this material must conform to Minnesota Hazardous Waste Rules

☒ Nonhazardous -- Substantiation:

The material listed is completely polymerized and is considered physiologically inert.

EPA Region 5 Records Ctr.
347819

CO-WASTE

Minnesota Pollution Control Agency
Solid and Hazardous Waste Division
1935 West County Road B2
Roseville, Minnesota 55113

REQUEST FOR DISPOSAL OF
NONHAZARDOUS INDUSTRIAL WASTE

RECEIVED
OCT 02 1984
MINN. POLLUTION CONTROL AGENCY

Read instructions on attached sheet

This is an official request of : Company Name: AFC, INC. Chatfield, MN 55923

to dispose of nonhazardous industrial waste at: Landfill Name: Olmsted County Landfill

Waste Name: Dehydrated Settling Pond Sludge

Landfill Permit Number: SW 5 Amended

Process Which Produces Waste: Cutting of Structural Fiberglass Product

Quantity and Frequency of Disposal: 400 Cu. Yds. Biennial

Packaging: [X] Bulk [ ] Drums [ ] Bags/Cartons

[ ] Open [ ] Sealed [ ] Other (specify) _____

Physical state: [X] Solid [ ] Liquid [ ] Semi-Solid

Hazards*: [ ] Explosive [ ] Irritative [ ] Oxidative

[ ] Flammable (flashpoint) _____ [ ] Corrosive (pH) _____

[ ] Toxic (Oral LD_{50}) _____ (Dermal LD_{50}) _____
(Inhalation) _____ (Aquatic) _____

*For flammable, corrosive, and toxic, check the appropriate hazard and enter the value behind the appropriate parameter in parenthesis.

Chemical Evaluation

Parameter	Chemical Composition (mg/kg)	Concentration (%)	EP Toxicity (mg/l)	ASTM Water Leach Test (mg/l)
Arsenic (As)	See attached Sheet "A", "B", and "C".			
Barium (Ba)				
Boron (B)				
Cadmium (Cd)				
Chlorides (Cl)				
Chromium (Cr^{+6})				
COD				
Copper (Cu)				
Cyanide (CN^-)				
Fluoride (F)				
Iron (Fe)				
Lead (Pb)				
Manganese (Mn)				
Mercury (Hg)				
Nickel (Ni)				
Nitrate (NO_3)				
Oil and Grease				
Phenol (C_6H_5OH)				
Selenium (Se)				
Silver (Ag)				
Sulfates (SO_4)				
TDS				
Zinc (Zn)				
Endrin				
Lindane				
Methoxychlor				
Toxaphene				
2,4 D				
2,4,5-TP				
PCB				

PQ-00303-01

SHEET "A"

AFC, INC. MANUFACTURES STRUCTURAL FIBERGLASS MATERIALS WHICH CONTAIN APPROXIMATELY 50 TO 70% GLASS BY WEIGHT WITH THE BALANCE BEING MADE UP OF VARIOUS POLYESTER AND VINYL ESTER RESIN SYSTEMS. SHEET "B" CONTAINS A LIST OF RAW MATERIALS USED IN OUR MAJOR RESIN SYSTEMS. I'VE ENCLOSED MATERIAL SAFETY DATA SHEETS FOR EACH SUBSTANCE LISTED.

THE ADDITION OF A CATALYST TO A RESIN SYSTEM CREATES A CHEMICAL REACTION WHERE THE RESIN MIX WILL HEAT UP AND SOLIDIFY, RESULTING IN A POLYMERIZED MATERIAL THAT IS INERT. ONLY PARTICLES FROM THIS HARDENED MATERIAL ENTER THE SETTLING PONDS. THEY POSE NO CHEMICAL HAZARD EITHER NOW OR IN THE FUTURE. ESSENTIALLY, THE SEDIMENT IN THE PONDS IS SIMPLY INERT PIECES OF PLASTIC AND GLASS.

THE POND SLUDGE CONTAINS NO METALS, UNCURED MATERIAL OR OIL. ALSO ENCLOSED IS A COPY OF OUR LATEST WATER ANALYSIS FROM THE DISCHARGE OF THE THIRD SETTLING POND. (SEE ATTACHED SHEET "C".)

SHEET "B"

TRADE NAME	GENERAL DEFINITION
ASHLAND 7221	UNSATURATED POLYESTER RESIN
ASHLAND 7030	UNSATURATED POLYESTER RESIN
HETRON 1540	UNSATURATED POLYESTER RESIN
CARGILL 8491	UNSATURATED POLYESTER RESIN
COREZ 8300-35	VINYL ESTER RESIN
COREZ 8770-1	VINYL ESTER RESIN
COREZ 8400	VINYL ESTER RESIN
LP 90	LOW PROFILE ADDITIVE
STYRENE	STYRENE
ESPEROX 10	CATALYST
ESPEROX 28	CATALYST
PERCADOX 16	CATALYST
USP 245	CATALYST
SYPRON 1301	MOLD RELEASE
ZELEC UN	MOLD RELEASE
EQ 6	MOLD RELEASE
CM 2029	PIGMENT
CM 8000	PIGMENT
SP 9127	ATIMONY DISPERSION
PDI 1104	PIGMENT
PDI 1199	U.V. STABILIZER
FN 510	POLYETHELENE POWDER
HYFLEX 632	HYDRATED ALUMINA
DE 83 R	FLAME RETARDANT
ATOMITE	CALCIUM CARBONATE
3M B23/500	GLASS BUBBLES

DAVY LABORATORIES

115 So. 6th St.
Box 2076
La Crosse, WI 54601
(608) 782-3130

SHEET "C"

DISCHARGE MONITORING REPORT FORM

Name and Address To Which Report is Mailed

Aligned Fiber Composites
Highway 52 South
Chatfield, MN 55923

PERMIT NUMBER

MONTH 1111 1984

SAMPLE PT DESCRIPTION	Oils & Grease	pH	Suspended Solids	Turbidity				
PARAMETER NAME	(mg/l)	su	(mg/l)	NTU				
PARAMETER UNITS								
MONTHLY AVERAGE	<1.0	7.06	2	<1.0				
DAILY MAXIMUM	<1.0	7.06	2	<1.0				
DAILY MINIMUM	<1.0	7.06	2	<1.0				
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE								
DAILY MAXIMUM								
DAILY MINIMUM								
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING								
SAMPLE TYPE REQUIRED								

REMARKS									
	1								1
	2								2
	3								3
	4								4
	5								5
	6								6
	7								7
	8								8
	9								9
	10								10
	11	<1.0	7.06	2	<1.0				11
	12								12
	13								13
	14								14
	15								15
	16								16
	17								17
	18								18
	19								19
	20								20
	21								21
	22								22
	23								23
	24								24
	25								25
	26								26
	27								27
	28								28
	29								29
	30								30
	31								31
TOTAL		<1.0	7.06	2	<1.0				

RECD AUG 3 1984

I hereby certify that to the best of my knowledge and belief the above information is true, complete and accurate.

DAVY LABORATORIES

BY Paul A. Hans