



Technical Service Report

Conoco Inc.
Research and Development Department
Analytical Research Section
Ponca City, Oklahoma

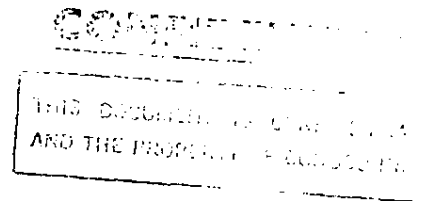
Report No 224-81-839-0

To J. W. Wimberly

From G. W. Keen

Date February 18, 1981

Subject THE MASS SPECTRAL ANALYSIS OF EDC TAR SOLIDS



Object

To identify vaporizable components in sample A257-36.

Conclusions

Tetrachloroethane, tetrachlorobutanes, tetrachlorobutadienes, trichlorobutenes, trichloroethanes, bis-chloroethyl ether, tetrachlorobenzene, pentachlorobenzene and hexachlorobenzene were detected.

Fragment peaks indicated the presence of vinyl chloride--vinylidene chloride--ethylene oxide polymers. Part of the sample did not vaporize.

Gary W. Keen
Senior Research Scientist

jm

Distribution EAS PLF FK

CWH 000008596

Discussion

The sample was analyzed via mass spectral probe distillation. The 50° spectrum had peaks from tetrachloroethane, tetrachlorobutane, tetrachlorobutadiene, trichlorobutene, trichloroethane, and bis-chloroethyl ether.

The 75° spectrum had peaks from these components and tetrachlorobenzene.

The major components at 100° and 125° were trichlorobutene, bis-chloroethyl ether, and tetrachlorobutene. Small amounts of tetrachlorobenzene and pentachlorobenzene were present. At 150° and 175° tetrachlorobutene, tetrachlorobenzene, pentachlorobenzene and hexachlorobenzene were present. Fragment peaks from oxygen-containing compounds were observed.

The higher temperature spectra had HCl, CH₂OH, CO₂, C₂H₄O, and a multitude of chlorine-containing fragment peaks, indicating the presence of heavy oxygen- and chlorine-containing compounds.

Experimental

The probe distillation mass spectrometry data were obtained on the CEC-110B high resolution mass spectrometer. Spectra were recorded at 25° intervals from 50° to 300° C.

References

File of HRMS data: 1H302-1H312



GENERATOR'S WASTE MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE



WASTE PROFILE SHEET CODE

I. 36754

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:

A GENERAL INFORMATION

GENERATOR NAME: Lata Chemical Co TRANSPORTER: _____
FACILITY ADDRESS: P.O. Box 121 TRANSPORTER PHONE: _____
Old Spanish Trail GENERATOR USEPA I.D. LAD086478047
Westlake La Tibb9 GENERATOR STATE I.D. SAME
TECHNICAL CONTACT: ERTaylor TITLE: Envy COOR PHONE: 318 494 5193
NAME OF WASTE: Waste water treatment chemicals
PROCESS GENERATING WASTE: Waste water treatment system

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS)

Commercial products outdated from shelf life

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

Nalco Ultrason 7109 coagulant
(non-hazardous material) pH, aluminum sulfate,
aluminum hydroxide

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC. — ARE MADE):

M SDS of the above chemicals are attached

CWH 000008598

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE) 55 gallon
ANTICIPATED VOLUME: 220 GALS. _____ CUBIC YDS. _____
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐ _____

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:

- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED.
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2,3,7,8-TCDD, UNLESS CLEARLY NOTED.
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: Edward J. Taylor SIGNATURE: Edward J. Taylor
TITLE: Envy COOR DATE: 4-21-8



GENERATOR'S WASTE MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE



WASTE PROFILE SHEET CODE

136753

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:

MANAGEMENT, INC.
ATTN: SALES OFFICE
RT. 2, BOX 1935
SULPHUR, LA 70663

MAY 27 1991

A GENERAL INFORMATION

GENERATOR NAME: VISTA CHEMICAL COMPANY TRANSPORTER: Lake Charles Sales Corp
FACILITY ADDRESS: VCM PLANT RD. TRANSPORTER PHONE: (318) 583-2144
PO BOX 605 GENERATOR USEPA ID: LA D086478047
WESTLAKE, LA 70669 GENERATOR STATE I.D. DITTO ABOVE
TECHNICAL CONTACT: JOHN TILLMAN TITLE: MECH. ENG. PHONE: 444-5075
NAME OF WASTE: EMPTY 30 GALLON STEEL DRUMS
PROCESS GENERATING WASTE: PROPRIETARY

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS):

EMPTY CONTAINERS OF WASTE COMMERCIAL PRODUCTS
OR CHEMICALS

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

EMPTY CONTAINERS PREVIOUSLY CONTAINING
EPA CODE U-188. CONTAINERS ARE RCRA
EMPTY.

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC. — ARE MADE):

NA

CWH 000008599

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE) 30 GALLON STEEL
ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YDS. _____ OTHER 2 DRUMS
FREQ: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐ _____

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:

- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED.
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2, 3, 7, 8-TCDD, UNLESS CLEARLY NOTED.
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: JOHN TILLMAN SIGNATURE: John Tillman
TITLE: MECH. ENG. DATE: 5/19/91



GENERATOR'S WASTE MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE



WASTE PROFILE SHEET CODE

T 3675

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:

Richard K. Martin
Rt 7, Box 1935
Sulphur, La 70663

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Co. TRANSPORTER: _____
FACILITY ADDRESS: P.O. Box 727 TRANSPORTER PHONE: _____
Old Spanish Trail GENERATOR USEPA I.D. LA086478047
Westlake, La 70669 GENERATOR STATE I.D. SAME
TECHNICAL CONTACT: E.R. Taylor TITLE: Envr COOR PHONE: 318 494 5193
NAME OF WASTE: Bagged absorbent booms + towels containing heavy alcohol
PROCESS GENERATING WASTE: spill of heavy C-10 non flammable alcohol

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS):

Residue + debris of spill of a product which would
be otherwise classified as a "miscellaneous special waste"

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

Absorbent booms and towels contaminated with
heavy alcohol (C-10) and water. They are bagged
in polyethylene.

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC. — ARE MADE)

Attached is a MSDS of the C-10 alcohol. It does not
meet any EPA hazard criteria

CWH 000008600

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID ☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. 5-6 CUBIC YDS. _____ OTHER _____
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐ _____

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:

- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED.
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2, 3, 7, 8-TCDD, UNLESS CLEARLY NOTED.
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: Edward R Taylor SIGNATURE: Edward R Taylor
TITLE: 7-10-86 Environmental DATE: 7-10-86



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

TSOR

F47331

A GENERAL INFORMATION

GENERATOR NAME: Vista LAB Plant TRANSPORTER: _____
FACILITY ADDRESS: Vista LAB Plant TRANSPORTER PHONE: LADO 867 78047
P.O. Box Houston River Rd GENERATOR USEPA I.D. _____
Westlake, La 70664 GENERATOR STATE I.D. SAME
TECHNICAL CONTACT: Paul Warner TITLE: Chief Processing PHONE: 318 777-1235
NAME OF WASTE: T-801 Bottoms sludge
PROCESS GENERATING WASTE: T-801 Bottoms from waste water

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: varies from brown to black ODOR: ☐ NONE ☐ MILD ☒ STRONG DESCRIBE: Benzene
PHYSICAL STATE @ 70°F: ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER
LAYERS: ☐ MULTILAYERED ☒ BILAYERED ☐ SINGLE PHASED
FREE LIQUIDS: ☒ YES ☐ NO VOLUME: 30 %
FLASH POINT: ☐ < 70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☒ 140°F - 200°F ☐ > 200°F
CLOSED CUP: ☐ OPEN CUP: ☐ EXACT: _____
pH: ☐ < 2 ☒ 4-10 ☐ N/A SPECIFIC GRAVITY: ☐ < 0.8 ☒ 1.3-1.4 ☐ 0.8-1.0 ☐ 1.5-1.7
☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 1.1-1.2 ☐ > 1.7
☐ 7 ☐ EXACT

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Chlorine Solids _____ %
Carbon Chloride Solids _____ %
Polonium Chloride Solids _____ %
Water 100 %

D METALS TOTAL (PPM) EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As) 2000 SELENIUM (Se) 2000
BARIUM (Ba) 0.35 SILVER (Ag) 0.02
CADMIUM (Cd) 0.01 COPPER (Cu) _____
CHROMIUM (Cr) 0.05 NICKEL (Ni) _____
MERCURY (Hg) 0.001 ZINC (Zn) _____
LEAD (Pb) 0.05 THALLIUM (Tl) _____
CHROMIUM-HEX (Cr + 6) _____

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES 0 PCB'S 0
SULFIDES 0 PHENOLICS 0

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, Liquid "N.O.S."
HAZARD CLASS: Non Hazardous I.D. NO. _____ R.Q. _____
METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID
ANTICIPATED VOLUME: 1000 GALS. _____ CUBIC YARDS
OTHER: _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS: ☐ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008601

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

Edward MaylorEnviron Coord3/20/86

TSOR F47330

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Co TRANSPORTER: _____
 FACILITY ADDRESS: Lake Charles Chemical PH TRANSPORTER PHONE: _____
214 S. 1st St. Apt. 2000 727 GENERATOR USEPA I.D. LA008647804.2
214 S. 1st St. Apt. 2000 727 GENERATOR STATE I.D. _____
 TECHNICAL CONTACT: M. S. Hayes TITLE: Dir. ENH PHONE: 318 494 5437
 NAME OF WASTE: 2-103 15/16 of truck
 PROCESS GENERATING WASTE: Process from Shovel Plant

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR gray/black ODOR ☐ NONE ☐ MILD ☒ STRONG
 DESCRIBE Sweet PHYSICAL STATE @ 70°F ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER
 LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
 FREE LIQUIDS water ☒ YES ☐ NO VOLUME 10 %
 pH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☒ EXACT _____
 SPECIFIC GRAVITY ☐ < 8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1-1.2 ☐ EXACT _____
 FLASH POINT ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F - 100°F ☐ NO FLASH ☐ OPEN CUP
☐ 101°F - 139°F ☐ EXACT _____ ☒ 140°F - 200°F > 180°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

polyethylene 47 %
light oil _____ %
fuel oil 2 %
organic 28 %
water 72 %
add 3 to 1 water _____ %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As) 100 SELENIUM (Se) 100
 BARIUM (Ba) 100 SILVER (Ag) 100
 CADMIUM (Cd) 100 COPPER (Cu) 100
 CHROMIUM (Cr) 100 NICKEL (Ni) 100
 MERCURY (Hg) 100 ZINC (Zn) 100
 LEAD (Pb) 100 THALLIUM (Tl) 100
 CHROMIUM-HEX (Cr+6) 100

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES 100 PCB'S 100
 SULFIDES 100 PHENOLICS 100

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
 PROPER SHIPPING NAME: white solid H.D.S.
 HAZARD CLASS N/A I.D. NO. _____ R.Q. _____
 METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☒ DRUM (TYPE/SIZE) _____
 ANTICIPATED VOLUME: 300-300 GALS. _____ CUBIC YARDS
3200 OTHER _____
 PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☒ QUARTER ☐ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
 OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
 USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
 USEPA HAZARDOUS CODE(S) _____
 STATE HAZARDOUS WASTE? ☐ YES ☒ NO
 STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008602

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

Edward R. TaylorSpill Response6-30-86



F47329

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Co TRANSPORTER: Enviro Diamond
 FACILITY ADDRESS: Lytle Charles Chemical Company TRANSPORTER PHONE: 318 439 1607
PO Box 127 - Oak Grove, LA GENERATOR USEPA I.D. LA 0086428047
Wardville Ave - 7049 GENERATOR STATE I.D. LA
 TECHNICAL CONTACT: E.R. Taylor TITLE: Enviro Coord PHONE: 318 494 5192
 NAME OF WASTE: Deactivated Solids
 PROCESS GENERATING WASTE: ASU solids from dewatering

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Brown/gray ODOR: ☐ NONE ☐ MILD ☒ STRONG
 PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER
 LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
 FREE LIQUIDS: ☐ YES ☒ NO VOLUME: %
 pH: ☐ 2-4 ☐ 7.1-10 ☒ 11-12 ☐ 10.1-12.5 ☐ > 12.5 ☐ EXACT
 SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT
 FLASH POINT: ☐ < 70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F
☐ > 200°F ☒ NO FLASH ☐ EXACT
☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Biological Solids 95 %
Dirt/Grit 5 %
Contains 6000 ppm OU
less of E.D.C.

D METALS

☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)
 ARSENIC (As) SELENIUM (Se)
 BARIUM (Ba) SILVER (Ag)
 CADMIUM (Cd) COPPER (Cu)
 CHROMIUM (Cr) NICKEL (Ni)
 MERCURY (Hg) ZINC (Zn)
 LEAD (Pb) THALLIUM (Tl)
 CHROMIUM-HEX (Cr + 6)

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES PCB'S
 SULFIDES PHENOLICS

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
 PROPER SHIPPING NAME: Deactivated Solids
 HAZARD CLASS: III I.D. NO. R.Q.
 METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☐ DRUM (TYPE/SIZE)
 ANTICIPATED VOLUME: GALS. 4210 CUBIC YARDS
 OTHER:
 PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
 OTHER HAZARDOUS CHARACTERISTICS:
☐ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
 USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
 USEPA HAZARDOUS CODE(S)
 STATE HAZARDOUS WASTE? ☐ YES ☒ NO
 STATE CODE(S)

H SPECIAL HANDLING INFORMATION

 CWH 000008603 ☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

Enviro DiamondEnviro Diamond Co6/23/86



Waste Management, Inc.
GENERATOR'S WASTE MATERIAL PROFILE SHEET



WASTE PROFILE SHEET CODE

TSOR

F09121

A GENERAL INFORMATION

GENERATOR NAME: VITA LUMEN COMPANY TRANSPORTER: 214
FACILITY ADDRESS: PO Box 605 TRANSPORTER PHONE:
1134 PLANT RD GENERATOR USEPA I.D. LA00036473047
WESTLAKE LA 90669 GENERATOR STATE I.D.
TECHNICAL CONTACT: Tom Tillman TITLE: MANAGER PHONE: 494-5075
NAME OF WASTE: Part contaminated w/ chlorinated hydrocarbons
PROCESS GENERATING WASTE: EDC/1134 Penetration & Particulate

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>BROWN</u>	ODOR ☐ NONE ☒ MILD ☐ STRONG DESCRIBE <u>Chlorinated</u>	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☐ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME <u></u> %
PH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT <u></u>	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT <u></u>	FLASH POINT ☐ < 70°F ☒ 200°F ☐ CLOSED CUP ☐ 70°F - 100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F - 139°F ☐ EXACT <u></u> ☐ 140°F - 200°F		

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Part 93-100%
Chlorinated Hydrocarbons 0-7%
(EDC; 1,1,2 Trichloroethane)

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)
ARSENIC (As) ND SELENIUM (Se) ND
BARIUM (Ba) ND SILVER (Ag) ND
CADMIUM (Cd) ND COPPER (Cu) ND
CHROMIUM (Cr) ND NICKEL (Ni) ND
MERCURY (Hg) ND ZINC (Zn) ND
LEAD (Pb) ND THALLIUM (Tl) ND
CHROMIUM-HEX (Cr + 6) ND

E OTHER COMPONENTS - TOTAL (PPM)
CYANIDES ND PCB'S ND
SULFIDES ND PHENOLICS ND

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME Hazardous Waste
HAZARD CLASS 09A-E I.D. NO. NA 9189 R.O.
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID
☒ DRUM (TYPE/SIZE) 55 Gallon
ANTICIPATED VOLUME: 7.3 GALS. CUBIC YARDS
OTHER Drums
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) F024
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) F024

H SPECIAL HANDLING INFORMATION

Wear protective clothing when handling. Avoid breathing
vapors. ☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.
AUTHORIZED SIGNATURE [Signature] TITLE CWH 000008604 DATE 3/20/86

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

TSOR

E25635

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: Waste Management, Inc.
 FACILITY ADDRESS: P.O. Box 727 TRANSPORTER PHONE: 813-441-1111
Old Spanish Trail GENERATOR USEPA ID: LAD0000478042
Westlake, La GENERATOR STATE ID: 504
 TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. Envt. Cont. PHONE: 318-491-5437
 NAME OF WASTE: Alkoxide Contaminated Hot Oil
 PROCESS GENERATING WASTE: Hot Oil Contaminated

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: blk/whit ODOR: ☒ NONE ☐ MILD ☐ STRONG
 PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER
 LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☐ SINGLE PHASED
 FREE LIQUIDS: ☒ YES ☐ NO
 VOLUME: %
 pH: ☐ <2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ >12.5 ☐ EXACT
 SPECIFIC GRAVITY: ☐ <.8 ☐ .8-1.0 ☐ 1.1-1.2 ☐ 1.3-1.4 ☐ 1.5-1.7 ☐ >1.7 ☐ EXACT
 FLASH POINT: ☐ < 70°F ☒ > 200°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ EXACT ☐ 140°F - 200°F
☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Alkoxide 40 %
Hot Oil (Diphenylalkane) 50 %
trash + rocks 10 %
 ARSENIC (As) NONE BARIUM (Ba) NONE BELENIUM (Se) NONE
 CADMIUM (Cd) NONE COPPER (Cu) NONE CHROMIUM (Cr) NONE
 MERCURY (Hg) NONE NICKEL (Ni) NONE ZINC (Zn) NONE
 LEAD (Pb) NONE THALLIUM (Tl) NONE CHROMIUM-HEX (Cr + 6) NONE
 E OTHER COMPONENTS - TOTAL (PPM) NONE
 CYANIDES NONE PCB'S NONE SULFIDES NONE PHENOLICS NONE

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
 PROPER SHIPPING NAME: Waste, Liquid, n.e.s.
 HAZARD CLASS: N/A I.D. NO. R.Q.
 METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)
 ANTICIPATED VOLUME: GALS. 20 CUBIC YARDS
 PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
 OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
 USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
 USEPA HAZARDOUS CODE(S)
 STATE HAZARDOUS WASTE? ☐ YES ☒ NO
 STATE CODE(S)

H SPECIAL HANDLING INFORMATION

CWH 000008605
☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: M. G. Hayes TITLE: Dir. Envt. Cont. DATE: 12/19/84

Waste Management, Inc.
GENERATOR'S WASTE MATERIAL PROFILE SHEET



WASTE PROFILE SHEET CODE
114 **E25634**
TSOR

GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: Vista Chemical
FACILITY ADDRESS: P.O. Box 727 CWMI TRANSPORTER PHONE:
Westlake, Ca 70663 GENERATOR USEPA I.D. EADP56478P47
GENERATOR STATE I.D. San
TECHNICAL CONTACT: M. G. Hayes TITLE AUDITOR 36285 CA PHONE: 318 4945437
NAME OF WASTE: Aluminum Powder
PROCESS GENERATING WASTE: Aluminum handling

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>gray</u>	ODOR ☒ NONE ☐ MILD ☐ STRONG DESCRIBE <u></u>	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BILAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME <u></u> %
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT <u></u>	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT <u></u>	FLASH POINT ☐ < 70°F ☐ > 200°F ☐ 70°F-100°F ☒ NO FLASH ☐ 101°F-139°F ☐ EXACT <u></u> ☐ 140°F-200°F	☐ CLOSED CUP ☐ OPEN CUP	

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Aluminum Powder</u>	<u>100</u> %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)	
ARSENIC (As) <u>- NONE</u>	SELENIUM (Se) <u>- NONE</u>
BARIUM (Ba) <u>- NONE</u>	SILVER (Ag) <u>- NONE</u>
CADMIUM (Cd) <u>- NONE</u>	COPPER (Cu) <u>- NONE</u>
CHROMIUM (Cr) <u>- NONE</u>	NICKEL (Ni) <u>- NONE</u>
MERCURY (Hg) <u>- NONE</u>	ZINC (Zn) <u>- NONE</u>
LEAD (Pb) <u>- NONE</u>	THALLIUM (Tl) <u>- NONE</u>
CHROMIUM-HEX (Cr + 6) <u>- NONE</u>	

E OTHER COMPONENTS - TOTAL (PPM)	
CYANIDES <u>- NONE</u>	PCB'S <u>- NONE</u>
SULFIDES <u>- NONE</u>	PHENOLICS <u>- NONE</u>

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Aluminum Atomized powder
HAZARD CLASS N/A I.D. NO. - R.O. -
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID
☒ DRUM (TYPE/SIZE) 55
ANTICIPATED VOLUME: 110 GALS. CUBIC YARDS
OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☐ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☒ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D003
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D003

H SPECIAL HANDLING INFORMATION

* per 49 CFR 173.232 CWH 000008606
☐ ADDITIONAL PAGE(S) ATTACHED

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AUTHORIZED SIGNATURE

TITLE

DATE

Michael Hayes Dir Envtl Cont. 8/13/85



 E25630

Edward R Taylor Environmental Coordinator 2/28/86

TSDB

E25626

A GENERAL INFORMATION

[illegible]

PHYSICAL CHARACTERISTICS OF WASTE

COLOR 11. Brown		ODOR ☒ NONE ☐ MILD ☐ STRONG		PHYSICAL STATE @ 70°F ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER		LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED		FREE LIQUIDS ☒ YES ☐ NO VOLUME <u>1.3</u> %	
PH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☐ 2.1-3 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☒ EXACT		SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT		FLASH POINT ☐ < 70°F ☒ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☐ 140°F-200°F		(Empty space for additional notes or observations)			

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

[illegible]

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

TOTAL (PPM)		EPA EXTRACTION PROCEDURE (mg/L)	
ARSENIC (As)	0	SELENIUM (Se)	0
BARIUM (Ba)	0	SILVER (Ag)	0
CADMIUM (Cd)	0	COPPER (Cu)	0
CHROMIUM (Cr)	0	NICKEL (Ni)	0
MERCURY (Hg)	0	ZINC (Zn)	0
LEAD (Pb)	0	THALLIUM (Tl)	0
CHROMIUM-HEX (Cr + Cr)	0		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES -0- PCB'S -0-
SULFIDES -0- PHENOLICS -0-

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: WATER

HAZARD CLASS: 0 I.D. NO. 1412315 R.G. 12

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE) 1

ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YARDS

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____

OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) _____

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S) _____

K SPECIAL HANDLING INFORMATION

CWH 000008608

☐ ADDITIONAL PAGE(S) ATTACHED

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AUTHORIZED SIGNATURE	TITLE	DATE

Richard Hays Dr. T. J. C. 7/1/15

E25625

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

A GENERAL INFORMATION

GENERATOR NAME: Vet Chemical TRANSPORTER: _____
FACILITY ADDRESS: P.O. Box 727, Old Spring Trail TRANSPORTER PHONE: _____
Wesley, Ark GENERATOR USEPA ID: LA00000000000000000000
GENERATOR STATE ID: Su
TECHNICAL CONTACT: N. G. Hayes TITLE: _____ PHONE: 318-491-5437
NAME OF WASTE: PCB contaminated oil contained in solids
PROCESS GENERATING WASTE: soil cleanup

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Brn/Blk ODOR: ☒ NONE ☐ MILD ☐ STRONG
PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER
LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
FREE LIQUIDS: ☐ YES ☒ NO
VOLUME: _____ %
pH: ☐ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☒ > 12.5 ☐ EXACT
SPECIFIC GRAVITY: ☐ < 0.8 ☐ 0.8-1.0 ☐ 1.1-1.2 ☐ > 1.2 ☐ EXACT
FLASH POINT: ☐ < 70°F ☒ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☒ > 200°F
☐ NO FLASH ☐ EXACT
☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

soil contaminated with
PCB contaminated oil
(its associated absorbent material) 100 %
ARSENIC (As) N/A SELENIUM (Se) N/A
BARIUM (Ba) N/A SILVER (Ag) N/A
CADMIUM (Cd) N/A COPPER (Cu) N/A
CHROMIUM (Cr) N/A NICKEL (Ni) N/A
MERCURY (Hg) N/A ZINC (Zn) N/A
LEAD (Pb) N/A THALLIUM (Tl) N/A
CHROMIUM-HEX (Cr + 6) N/A
E OTHER COMPONENTS - TOTAL (PPM) PCB's approx 350
CYANIDES _____ PHENOLICS _____
SULFIDES _____

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☐ NO
PROPER SHIPPING NAME: polyethylene tubing
HAZARD CLASS: 02 Me I.D. NO.: _____ R.O.: _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID
☒ DRUM (TYPE/SIZE) 5 gal
ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YARDS
OTHER: 60 drums
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008609
☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.
AUTHORIZED SIGNATURE: Michael Hayes TITLE: Dir. Env. Control DATE: 1/14/88



Waste Management Inc.

WASTE PROFILE SHEET CODE

E25623

GENERATOR'S WASTE MATERIAL PROFILE SHEET

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
 FACILITY ADDRESS: P.O. Box 727, Old Spanish Trail, Westlake, CA 91391 TRANSPORTER PHONE: _____
 GENERATOR USEPA ID: 12-11-01081614751017
 GENERATOR STATE ID: _____
 TECHNICAL CONTACT: N. G. Hayes TITLE: Director, Env. PHONE: (315) 491-5437
 NAME OF WASTE: ETO (Alfonie, Ethoxybate)
 PROCESS GENERATING WASTE: Spills of ETO Product

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: white/clear ODOR: ☐ NONE ☒ MILD ☐ STRONG
 PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER
 LAYERS: ☐ MULTILAYERED ☒ BI-LAYERED ☐ SINGLE PHASED
 FREE LIQUIDS: ☒ YES ☐ NO
 VOLUME: _____%
 pH: ☐ < 2 ☐ 7.1-10 ☒ N/A
 SPECIFIC GRAVITY: ☒ < 1.0 ☐ 1.0-1.25 ☐ 1.25-1.4
 FLASH POINT: ☐ < 70°F ☒ > 200°F ☐ CLOSED CUP
☐ 70°F-100°F ☐ NO FLASH ☒ OPEN CUP
☐ 101°F-139°F ☐ EXACT
☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

ETO (Ethoxybate Alcohols) 50%
 Water 50%
 Rocks/dust/etc 10%
 D METALS: ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)
 ARSENIC (As) None SELENIUM (Se) None
 BARIUM (Ba) None SILVER (Ag) None
 CADMIUM (Cd) None COPPER (Cu) None
 CHROMIUM (Cr) None NICKEL (Ni) None
 MERCURY (Hg) None ZINC (Zn) None
 LEAD (Pb) None THALLIUM (Tl) None
 CHROMIUM-HEX (Cr + 6) None
 E OTHER COMPONENTS - TOTAL (PPM)
 CYANIDES None PCB'S None
 SULFIDES None PHENOLICS None

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
 PROPER SHIPPING NAME: Waste, Liquid, Acids
 HAZARD CLASS: 1/1A I.D. NO.: 0 R.Q.: _____
 METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
 ANTICIPATED VOLUME: 15000 GALS. _____ CUBIC YARDS _____
 PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR
 G HAZARDOUS CHARACTERISTICS
 REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
 OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
 USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
 USEPA HAZARDOUS CODE(S) _____
 STATE HAZARDOUS WASTE? ☐ YES ☒ NO
 STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008610

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: Michael Hayes TITLE: Dir. Env. Control DATE: 12/19/84

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

TSDR

E25622

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical TRANSPORTER: _____
FACILITY ADDRESS: P.O. Box 727 TRANSPORTER PHONE: _____
Westlake, CA GENERATOR USEPA ID: 1-A00016147-0000
GENERATOR STATE ID: San
TECHNICAL CONTACT: N. G. Hayes TITLE: Dir. Envtl Control PHONE: 318-491-5437
NAME OF WASTE: cooling tower chrome (dry)
PROCESS GENERATING WASTE: Dryers

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: yellow ODOOR: ☒ NONE ☐ MILD ☐ STRONG
PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER
LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
FREE LIQUIDS: ☐ YES ☒ NO
VOLUME: _____
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT
SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☒ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☐ EXACT
FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP
☐ 70°F-100°F ☒ NO FLASH ☐ OPEN CUP
☐ 101°F-139°F ☐ EXACT
☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

hexavalent chrome 100%
ARSENIC (As) None SELENIUM (Se) None
BARIUM (Ba) None SILVER (Ag) None
CADMIUM (Cd) None COPPER (Cu) None
CHROMIUM (Cr) all #6 NICKEL (Ni) None
MERCURY (Hg) None ZINC (Zn) None
LEAD (Pb) None THALLIUM (Tl) None
CHROMIUM-HEX (Cr + 6) See #6
E OTHER COMPONENTS - TOTAL (PPM) _____
CYANIDES None PCB'S None
SULFIDES None PHENOLICS None

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: hazardous waste, solid "non"
HAZARD CLASS: ORM-2 I.D. NO.: HA9189 R.O.: -
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID
☒ DRUM (TYPE/SIZE) 55 gal
ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YARDS
OTHER: 2-55 gal drums
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR
G HAZARDOUS CHARACTERISTICS
REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D017
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D017

H SPECIAL HANDLING INFORMATION

CWH 000008611

☐ ADDITIONAL PAGE(S) ATTACHED

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AUTHORIZED SIGNATURE

TITLE

DATE

Michael HayesDirector, Envtl Control12/19/84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

D 69415

TSDR

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical VCM Plant TRANSPORTER: _____
FACILITY ADDRESS: P.O. Box 605 VCM Plant Rd. TRANSPORTER PHONE: _____
Westlake La 90669 GENERATOR USEPA I.D. LA 0086478047
GENERATOR STATE I.D. SAME
TECHNICAL CONTACT: ER Taylor TITLE: Envirion Coord PHONE: 318 494 5193
NAME OF WASTE: Synthetic phenol
PROCESS GENERATING WASTE: VCM

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR white to pinkish ODOR ☐ NONE ☐ MILD ☒ STRONG DESCRIBE phenolic
PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER
LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
FREE LIQUIDS ☐ YES ☒ NO VOLUME 100 %
pH: ☐ < 2 ☐ 2.1-10 ☒ N/A ☐ 10.1-12.5 ☐ > 12.5
SPECIFIC GRAVITY ☐ < .8 ☐ .8-1.0 ☒ 1.1-1.2 ☐ > 1.7
FLASH POINT ☐ < 70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☒ 140°F - 200°F
☐ > 200°F ☐ NO FLASH ☐ EXACT
☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Phenol C₆H₆O 100 %
D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)
ARSENIC (As) _____ SELENIUM (Se) _____
BARIUM (Ba) _____ SILVER (Ag) _____
CADMIUM (Cd) _____ COPPER (Cu) _____
CHROMIUM (Cr) _____ NICKEL (Ni) _____
MERCURY (Hg) _____ ZINC (Zn) _____
LEAD (Pb) _____ THALLIUM (Tl) _____
CHROMIUM-HEX (Cr + 6) _____
E OTHER COMPONENTS - TOTAL (PPM)
CYANIDES _____ PCB'S _____
SULFIDES _____ PHENOLICS 100

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Waste, phenol
HAZARD CLASS Poison B I.D. NO. UN1671 R.O. 1009
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE) 45
ANTICIPATED VOLUME: 100 GALS. _____ CUBIC YARDS
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☐ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☒ OTHER Avoid Al, Mg, Pb, Zn
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☒ PESTICIDE MANUFACTURING WASTE ☒ OTHER poisonous
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) U188
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) 0188

H SPECIAL HANDLING INFORMATION

Avoid use, skin contact. CWH 000008612
☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE Edward R Taylor TITLE Environmental Coord DATE 3/20/86

Waste Management, Inc.
GENERATOR'S WASTE MATERIAL PROFILE SHEET



D 69414
TSDR

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles Chemical Complex TRANSPORTER PHONE: _____
P.O. Box 727, Old Spanish Trail GENERATOR USEPA I.D. LA D01816478047
Westlake, La GENERATOR STATE I.D. Same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. ENVI. Control PHONE: (318) 491-5437
NAME OF WASTE: Api separator Solids
PROCESS GENERATING WASTE: Oil/Water/Solids separator

8 PHYSICAL CHARACTERISTICS OF WASTE

COLOR <i>Bwn/Blk/Gray</i>		ODOR ☐ NONE ☒ MILD ☐ STRONG DESCRIBE _____		PHYSICAL STATE @ 70°F ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER		LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED		FREE LIQUIDS ☒ YES ☐ NO VOLUME <i>10-20%</i>	
PH: ☐ < 2 ☒ 7.1-10 ☐ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____		SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____		FLASH POINT ☐ < 70°F ☐ > 200°F ☒ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT _____ ☒ 140°F-200°F					

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Water	10-90
Solids (sand, grit, carbon)	10-90
hydrocarbons	trace

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES  PCB'S 
SULFIDES  PHENOLICS 

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO

PROPER SHIPPING NAME: Waste, Liquid, "N.O.S."

HAZARD CLASS N/A I.D. NO. _____ R.O. _____

METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID

☐ DRUM (TYPE/SIZE) _____

ANTICIPATED VOLUME: _____ GALS. 60 CUBIC YARDS

OTHER _____

PER: ☐ ONE TIME ☐ WEEK ☐ MONTH

☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____

OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) _____

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008613

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE	TITLE	DATE
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TITLE

DATE _____

Din Foul Control

9/7/84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET



TSDR

D 69413

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles VCM Plt. TRANSPORTER PHONE: _____
P.O. Box 605, VCM Plt. Road GENERATOR USEPA I.D. LA D0, 8, 6, 4, 7, 8, 0, 4, 7
Westlake, LA 70669 GENERATOR STATE I.D. Same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir PHONE: (318) 491-5437
NAME OF WASTE: Copper Pit PPT
PROCESS GENERATING WASTE: Oxychlorination Turnaround

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>Gray/Green</u>	ODOR ☒ NONE ☐ MILD ☐ STRONG DESCRIBE: _____	PHYSICAL STATE @ 70°F ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME: _____ %
pH: ☐ < 2 ☒ 7.1-10 ☐ N/A ☐ 2-4 ☒ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____	FLASH POINT ☐ < 70°F ☐ > 200°F ☐ 70°F - 100°F ☒ NO FLASH ☐ 101°F - 139°F ☐ EXACT _____ ☐ 140°F - 200°F	☐ CLOSED CUP ☐ OPEN CUP	

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

	%
<u>Copper catalyst ppt</u>	<u>10-50</u>
<u>Water</u>	<u>90-50</u>
<u>Melt</u>	<u>trace</u>
	%
	%
	%
	%
	%
	%
	%

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	_____	SELENIUM (Se)	_____
BARIUM (Ba)	_____	SILVER (Ag)	_____
CADMIUM (Cd)	_____	COPPER (Cu)	<u>1-270</u>
CHROMIUM (Cr)	_____	NICKEL (Ni)	_____
MERCURY (Hg)	_____	ZINC (Zn)	_____
LEAD (Pb)	_____	THALLIUM (Tl)	_____
CHROMIUM-HEX (Cr + 6)	_____		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	_____	PCBS	_____
SULFIDES	_____	PHENOLICS	_____

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, liquid "N.O.S."
HAZARD CLASS: N/A LD. NO. _____ R.Q. _____
METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YARDS
60 TONS OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

cm 1 A 11Dir Envtl. Control7/7/84

CWH 000008614

☐ ADDITIONAL PAGE(S) ATTACHED



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET



D 69412

TSDR

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles VCM Plant TRANSPORTER PHONE: _____
P.O. Box 605 - Old Spanish Trail GENERATOR USEPA I.D. L.A.D. 0.81647, 81047
VCM Plant Road, Westlake La 20669 GENERATOR STATE I.D. Same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. Envtl. Control PHONE: (818) 491-5437
NAME OF WASTE: Copper chloride catalyst
PROCESS GENERATING WASTE: VCM Plant Oxychlorination

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>light gray to green</u>	ODOR ☒ NONE ☐ MILD ☐ STRONG DESCRIBE _____	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME _____ %
PH: ☐ < 2 ☒ 7.1-10 ☐ N/A ☐ 2-4 ☒ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☒ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____	FLASH POINT ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☒ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT _____ ☐ 140°F-200°F		

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Copper Catalyst</u>	_____ %
<u>copper chloride</u>	<u>3.2</u> %
<u>Alumina</u>	<u>33.9</u> %
<u>Silica/kermic base</u>	<u>62.9</u> %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	_____	SELENIUM (Se)	_____
BARIUM (Ba)	_____	SILVER (Ag)	_____
CADMIUM (Cd)	_____	COPPER (Cu)	<u>3.28</u>
CHROMIUM (Cr)	_____	NICKEL (Ni)	_____
MERCURY (Hg)	_____	ZINC (Zn)	_____
LEAD (Pb)	_____	THALLIUM (Tl)	_____
CHROMIUM-HEX (Cr + 6)	_____		_____

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	_____	PCBS	_____
SULFIDES	_____	PHENOLICS	_____

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, Solid "N.O.S."
HAZARD CLASS: N/A I.D. NO. _____ R.O. _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. 60 CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008615

☐ ADDITIONAL PAGE(S) ATTACHED

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AUTHORIZED SIGNATURE

TITLE

DATE

M. G. HayesDir. Envtl. Control9/7/84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET



SDS **D** 69411

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles Chemical Complex TRANSPORTER PHONE: _____
P.O. Box 727 - Old Spanish Trail GENERATOR USEPA I.D. LA D10,816,47,80,47
Westlake, La 70669 GENERATOR STATE I.D. Same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. Env'l. Control PHONE: (318) 491-5437
NAME OF WASTE: Nonhazardous Miscellaneous Solids
PROCESS GENERATING WASTE: LCCC Plant Processes

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Black/Brown/White ODOR: ☐ NONE ☒ MILD ☐ STRONG
PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER
LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED
FREE LIQUIDS: ☐ YES ☒ NO
VOLUME: _____ %
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____
SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☒ 1.1-1.2 ☐ 1.3-1.4 ☐ 1.5-1.7 ☐ > 1.7 ☐ EXACT _____
FLASH POINT: ☐ < 70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F ☐ > 200°F ☒ NO FLASH ☐ EXACT _____
☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Filter Cartridges 10-50 %
Alumina Powder spills 10-50 %
Reacted Alumina Powder < 10 %
Bauxite 10-50 %
Alumina/Nickel Catalyst 10-20 %
Solid alcohol spill cleanup 5-10 %
contaminated scrap, trash, soil 5-10 %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As) _____ SELENIUM (Se) _____
BARIUM (Ba) _____ SILVER (Ag) _____
CADMIUM (Cd) _____ COPPER (Cu) _____
CHROMIUM (Cr) _____ NICKEL (Ni) _____
MERCURY (Hg) _____ ZINC (Zn) _____
LEAD (Pb) _____ THALLIUM (Tl) _____
CHROMIUM-HEX (Cr + 6) _____

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES _____ PCB'S _____
SULFIDES _____ PHENOLICS _____

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, solid "N.O.S."
HAZARD CLASS: N/A I.D. NO. _____ R.O. _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. 150 CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

_____ CWH 000008616
☐ ADDITIONAL PAGE(S) ATTACHED

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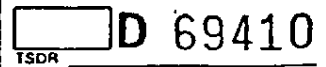
AUTHORIZED SIGNATURE

TITLE

DATE

Dir. Env'l. Control

9/7/84



9-17-84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

TSOR **D 69409****A GENERAL INFORMATION**

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles Chemical Plant TRANSPORTER PHONE: _____
P.O. Box 727, Old Spanish Trail GENERATOR USEPA I.D. LA 10,086,475,041
West Lake, La 70669 GENERATOR STATE I.D. same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. Env. Control PHONE: (318) 491-5437
NAME OF WASTE: Alkoxides
PROCESS GENERATING WASTE: Alfol Alcohols Plant

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>milky white</u>	ODOR ☐ NONE ☒ MILD ☐ STRONG DESCRIBE: _____	PHYSICAL STATE @ 70°F ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☒ YES ☐ NO VOLUME <u>25-100 %</u>
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☒ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____	FLASH POINT ☐ < 70°F ☐ > 200°F ☒ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT _____ ☒ 140°F-200°F		

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Alumina</u>	<u>40-70 %</u>
<u>Alcohols, water</u>	<u>60-30 %</u>
<u>Ammonia</u>	<u>trace</u>
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	_____	SELENIUM (Se)	_____
BARIUM (Ba)	_____	SILVER (Ag)	_____
CADMIUM (Cd)	_____	COPPER (Cu)	_____
CHROMIUM (Cr)	_____	NICKEL (Ni)	_____
MERCURY (Hg)	_____	ZINC (Zn)	_____
LEAD (Pb)	_____	THALLIUM (Tl)	_____
CHROMIUM-HEX (Cr + 6)	_____		_____

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	_____	PCBS	_____
SULFIDES	_____	PHENOLICS	_____

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, liquid "N.O.S."
HAZARD CLASS: N/A I.D. NO. _____ R.O. _____
METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: 50 M GALS. _____ CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

_____ CWH 000008618
☐ ADDITIONAL PAGE(S) ATTACHED

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AUTHORIZED SIGNATURE

TITLE

DATE

11-1 11-11

Dir. Env. Control

9/7/84



Waste Management, Inc.
GENERATOR'S WASTE MATERIAL PROFILE SHEET



TSDR **D 69406**

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles Chemical Complex TRANSPORTER PHONE: _____
Liner Alkyl Benzene Plant GENERATOR USEPA I.D. LAD 086478042
P.O. Box 606 - Hattiesburg Rd, Westlake La GENERATOR STATE I.D. same
TECHNICAL CONTACT: George Hopkins TITLE: Chief Process Eng. PHONE: 411-5735
NAME OF WASTE: HF contaminated solids
PROCESS GENERATING WASTE: LAB Plant

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>Black</u>	ODOR ☒ NONE ☐ MILD ☐ STRONG DESCRIBE _____	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME _____ %
PH: ☒ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ .8-1.0 ☐ 1.1-1.2 ☐ EXACT _____ ☐ 1.3-1.4 ☐ 1.5-1.7 ☐ > 1.7	FLASH POINT ☐ < 70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F	☐ > 200°F ☐ CLOSED CUP ☒ NO FLASH ☐ OPEN CUP ☐ EXACT _____	

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Inert Solids</u>	<u>799</u> %
<u>HF acid contamination</u>	<u>< 1</u> %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES		PCB'S	
SULFIDES		PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Hazardous waste, Solid, "N.O.S."
HAZARD CLASS: ORM-E I.D. NO. _____ R.Q. _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID
☒ DRUM (TYPE/SIZE) 55 gal / open head
ANTICIPATED VOLUME: _____ GALS. 50 CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D002
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D002

H SPECIAL HANDLING INFORMATION

Do not contact HF contamination, wash affected areas immediately
☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.
AUTHORIZED SIGNATURE _____ TITLE _____ DATE _____

M. L. D. H.

CWH 000008619

DATE

9/7/84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

TSOR D 69405

A GENERAL INFORMATION

GENERATOR NAME: Vista Chemical Company TRANSPORTER: _____
FACILITY ADDRESS: Lake Charles Chemical Complex TRANSPORTER PHONE: _____
P.O. Box 727 - Old Spanish Trail GENERATOR USEPA I.D. LA D01864781047
Westlake, La 70669 GENERATOR STATE I.D. Same
TECHNICAL CONTACT: Mr. G. Hayes TITLE: Director, Env'l. Cont. PHONE: (318) 491-5437
NAME OF WASTE: Alumina Catalyst
PROCESS GENERATING WASTE: VCM, LCCP, LAB process catalysts

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>yellow to Brown or white</u>	ODOR ☒ NONE ☐ MILD ☐ STRONG DESCRIBE: _____	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME _____ %
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☒ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____	FLASH POINT ☐ < 70°F ☐ > 200°F ☐ 70°F-100°F ☒ NO FLASH ☐ 101°F-139°F ☐ EXACT _____ ☐ 140°F-200°F	☐ CLOSED CUP ☐ OPEN CUP	

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Alumina Catalyst</u>	<u>> 99</u>	%
<u>process Hydrocarbons</u>	<u>< 1</u>	%
		%
		%
		%
		%
		%
		%
		%
		%

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES		PCB'S	
SULFIDES		PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: Waste, Solid "N.O.S."
HAZARD CLASS: Non-hazardous, I.D. NO. _____ R.Q. _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. 200 CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH
☐ QUARTER ☒ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

None CWH 000008620 ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

Mr. L. D. HawesDirector, Env'l. Control 9/7/84



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

TSOR D 69404**A GENERAL INFORMATION**

GENERATOR NAME: Vista Chemical Company TRANSPORTER: Vista Trans. Division
FACILITY ADDRESS: Lake Charles Chemical Complex TRANSPORTER PHONE: (318) 491-5265
P.O. Box 727 - Old Spanish Trail GENERATOR USEPA I.D. 4AD081647804
Westlake, La 70669 GENERATOR STATE I.D. same
TECHNICAL CONTACT: M. G. Hayes TITLE: Dir. ENVL Control PHONE: (318) 491-5437
NAME OF WASTE: Dewatered Solids
PROCESS GENERATING WASTE: Dewatering Press

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR <u>Brown/Gray</u>	ODOR ☐ NONE ☒ MILD ☐ STRONG DESCRIBE _____	PHYSICAL STATE @ 70°F ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERS ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED	FREE LIQUIDS ☐ YES ☒ NO VOLUME _____ %
pH: ☐ < 2 ☐ 7.1-10 ☒ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT _____	SPECIFIC GRAVITY ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☒ 1.1-1.2 ☐ > 1.7 ☐ EXACT _____	FLASH POINT ☐ < 70°F ☐ > 200°F ☐ 70°F - 100°F ☒ NO FLASH ☐ OPEN CUP ☐ 101°F - 139°F ☐ EXACT _____ ☐ 140°F - 200°F		

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

<u>Biological Solids</u>	<u>50</u> %
<u>Aluminum Hydroxide</u>	<u>40</u> %
<u>Ca F</u>	<u>2</u> %
<u>CPI Solids</u>	<u>2</u> %
<u>Coke Fines</u>	<u>1</u> %
<u>Dirt/Grit</u>	<u>5</u> %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	<u>trace</u>
CHROMIUM (Cr)	<u>trace</u>	NICKEL (Ni)	<u>trace</u>
MERCURY (Hg)		ZINC (Zn)	<u>trace</u>
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES		PCB'S	
SULFIDES	<u>trace</u>	PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☐ YES ☒ NO
PROPER SHIPPING NAME: dewatered solids
HAZARD CLASS: N/A I.D. NO. _____ R.O. _____
METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID
☐ DRUM (TYPE/SIZE) _____
ANTICIPATED VOLUME: _____ GALS. 50 CUBIC YARDS
OTHER _____
PER: ☐ ONE TIME ☒ WEEK ☐ MONTH
☐ QUARTER ☐ YEAR ☐ _____

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER _____
OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER _____
USEPA HAZARDOUS WASTE? ☐ YES ☒ NO
USEPA HAZARDOUS CODE(S) _____
STATE HAZARDOUS WASTE? ☐ YES ☒ NO
STATE CODE(S) _____

H SPECIAL HANDLING INFORMATION

CWH 000008621

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE

TITLE

DATE

Michael Hauer

Director ENVL Control

9/7/84

