UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107-4431

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mark E. Santangelo
Plant Manager
Ashland Chemical Company
2801 Christopher Columbus Blvd.
Philadelphia, PA 19148

June 21, 1996

Dear Mr. Santangelo,

The U.S. Environmental Protection Agency (EPA) conducted a CEI inspection at your facility on April 10, 1996. Enclosed is a copy of the inspection report.

The Office of the Resource Conservation and Recovery Act (RCRA) Programs has reviewed the findings of the inspection with respect to the rules and regulations set forth in the Code of Federal Regulations (CFR), Title 40, Parts 260 through 270 and PA Code Title 25 which govern the handling and management of Solid and Hazardous Wastes.

EPA has discussed the findings of the inspection with the Pennsylvania Department of Environmental Protection (PADEP). We have agreed to their doing the follow up correspondence and compliance work to be consistent with their enforcement position on satellite accumulation areas.

Along with a copy of the inspection report I am enclosing a list of EPA publications that you may find of use in your ongoing Pollution Prevention/Waste Minimization efforts. If you have any question or comments, please contact Kenneth J. Cox at (215) 597-6413.

Sincerely,

Kenneth J. Cox
for Christopher B. Pilla, Chief
RCRA Enforcement Branch

Enclosure

cc: Nancy Roncetti (PADEP) w/enclosure
Kenneth J. Cox 3HW100 w/o enclosure
File w/enclosure

Pollution Prevention Information Clearinghouse (PPIC

U.S. Environmental Protection Agency
401 M St., SW (3404)
Washington, D.C. 20460

Reference and Referral
202-260-1023
Fax Line
202-260-0178
E-mail Address
ppic@epamail.epa.gov

QUARTERLY LIST OF POLLUTION PREVENTION PUBLICATIONS (FALL 1995)

The Clearinghouse is primarily a distribution center for EPA documents and fact sheets dealing with source reduction and pollution prevention. It also provides a reference and referral service for pollution prevention questions.

NOTE: - Publications added since the Summer 1995 Distribution List are indicated by an "*".
- Other pollution prevention information sources are on page 8.

Order documents by checking the corresponding number on the attached order form. Mail, call, fax, or e-mail requests to the address and numbers above. EPA documents or fact sheets are provided at no cos based on availability. ***Please allow 2 weeks for delivery and limit your request to a total of 10 items.***

SECTION A: GENERAL

A-101 Pollution Prevention Information Clearinghouse (PPIC) General Information Packet

A-102 Pollution Prevention Directory - 9/94 (103pp) EPA/ 742/B-94/005

A-103 EnviroSense - (brochure) April 1995

A-104 EPA Pollution Prevention Accomplishments: 1994 Incorporating Pollution Prevention Into Business Decisions - Spring 95 (37pp) EPA/100/R-95/001

A-105 Pollution Prevention 1991: Progress on Reducing Industrial Pollutants (240 pp) EPA/21P-3003

Pollution Prevention Act of 1990

A-106 Bill - 10/90 (8pp)
A-107 Public Law - 11/90 (8pp)
A-108 Fact Sheet - 3/91 (2pp)
A-109 Memorandum on EPA Definition of "Pollution Prevention" (Habicht) - 5/92 (4pp)

A-110 Pollution Prevention Information Clearinghouse (PPIC) Fact Sheet - 2/94

A-111 Pollution Prevention News - latest edition (approx. 12pp)

A-112 Pollution Prevention Policy Statement: New Directions for Environmental Protection - Memorandum - 6/93 (4pp)

A-113 Pollution Prevention Quarterly Activity Report (16pp)

A-114 Pollution Prevention Research Branch - Recent Publications - 9/94 (CERI brochure)

A-115 The Priorities and Key Activities of the Office of Pollution Prevention and Toxics' (OPPT's) Pollution Prevention Division - 3/94 (66pp)

A-116 U.S. EPA Pollution Prevention Strategy - 1/91 (45pp)

A-117 Preventing Pollution Through Efficient Water Use- 7/90 (2 pp)

A-118 Save Energy and Save the Earth - (brochure)

A-119 What You can do to Reduce Air Pollution - 10/92 (20 pp) EPA/450/K-92/002

A-120 You Can Make a Difference! - (brochure) - 6/94 (4pp) EPA/742/F-94/006

* A-121 ISO 14000: International Environmental Manageme Standards: EPA Standards Network Fact Sheet - 5/9 (2pp) EPA/742/F-95/006

* A-122 Role of Voluntary Standards: EPA Standards Netw Fact Sheet - 5/95 (2pp) EPA/742/F-95/005

* A-123 Pollution Prevention Conferences, Workshops, and Training - latest edition (2pp)

Chemicals

C-301 Alternative Synthetic Design for Pollution Prevention - 4/93 (4pp) EPA/744/F-93/008

C-302 Chemical Design Project - 4/93 (2pp) EPA/744/F-93/005

Computers/Printed Wiring Boards

C-401 Printed Wiring Board Project - 5/95 (2pp) EPA/744/F-95/001

C-402 Reinventing Government Through Common Sense and Design - 2/95 (2pp)

* C-403 Federal Environmental Regulations Affecting the Electronics Industry - Printed Wiring Board Project - 9/95 (67pp) EPA/744/B-95/001

* C-404 Printed Wiring Board Pollution Prevention and Control: Analysis of Survey Results - 9/95 (102pp) EPA/744/R-95/006

* C-405 Printed Wiring Board Industry and Use Cluster Profile: Printed Wiring Board Project - 9/95 (84pp) EPA/744/R-95/005

* C-406 Case Study #1: Printed Wiring Board Pollution Prevention Work Practices - 7/95 (4pp) EPA/744/F-95/004

* C-407 Case Study #2: Printed Wiring Board On-Site Etchant Regeneration - 7/95 (4pp) EPA/744/F-95/005

Dry Cleaning

C-501 Dry Cleaning Project - 12/94 (2pp) EPA/744/F-93/004

C-502 Multiprocess Wet Cleaning: Cost and Performance Comparison of Conventional Dry Cleaning and an Alternative Process - Executive Summary - 9/93 (9pp) EPA/744/R-93/004

C-503 Multiprocess Wet Cleaning: Cost and Performance Comparison of Conventional Dry Cleaning and an Alternative Process - Full Report -9/93 (186pp) EPA/744/R-93/004

C-504 Summary of a Report on Multiprocess Wet Cleaning (brochure) - 6/94 (10pp) EPA/744/S-94/001

Printing

C-601 Lithography Case Study #1: Managing Solvents and Wipes - 10/95 (4pp) EPA/744/K-93/001

C-602 Screen Printing Case Study #1: Reducing the of Reclamation Chemicals in Screen Printing (4pp) EPA/744/F-93/(

C-603 Lithography Project - 7/95 (2pp) EPA/744/F-95/(

C-604 Federal Environmental Regulations Potentiall Affecting the Commercial Printing Industry - EPA/744/B-94/(

C-605 Saving Money, Reducing Waste: A Short Cou Pollution Prevention for Screen Printers - (2pp

C-606 Screen Printing Project - 9/95 (2pp) EPA/744/F-95/0

C-607 Summary of Focus Group Discussions with Sc Printers and Lithographers for the Design for t Environment Printing Project - 6/94 (89pp) EPA/742/R-94/0

C-608 Printing Industry And Use Cluster Profile - 6/9 (183pp) EPA/744/R-94/(

C-609 Cleaner Technologies Substitutes Assessment Executive Summary - Draft -9/94 EPA/744/R-94/0

SECTION D: EDUCATION & TRAINING

D-101 Teaching Those Humans to Learn: Creative Ap to Pollution Prevention Training - 8/92 (126pp)

National Pollution Prevention Center for Higher Educ University of Michigan

D-102 Directory of Pollution Prevention in Higher Education Faculty & Programs - 1994 (92 pp)

D-103 National Pollution Prevention Center for Highe Education - (brochure)

D-104 Pollution Prevention Internship Program Guide for Sponsors - 10/93 (5pp)

Educational Resource Compendia:

* D-105 Accounting: Introduction, Resource List, Anno Bibliography, Course Syllabi, Problem Set - 10 (112pp)

* D-106 Business Law: Introduction, Resource List, Ar Bibliography, Readings, Primer - 4/95 (174pp

* D-107 Chemistry: Resource List, Bibliography - 7/9

* D-108 Chemical Engineering: Introduction, Resource Annotated Bibliography, Course Syllabi, CFC Problem, Guide to Regulatory & Environmenta 5/95 (344pp)

Fa

F-103 Evaluation of Environmental Marketing Terms in the United States - 2/93 (196 pp) EPA/741/R-92/003

F-104 Executive Order #12873 Federal Acquisition, Recycling, and Waste Prevention - 10/93 (9pp)

F-105 "Green" Advertising Claims (brochure) - 10/92 EPA/530/F-92/024

F-106 Status Report on the Use of Environmental Labels Worldwide - 9/93 (215pp) EPA/742/R-93/001

F-107 The Use of Life Cycle Assessment in Environmental Labeling Programs - 9/93 (60pp) EPA/742/R-93/003

* F-108 Environmentally Preferable Products: Proposed Guidance - 9/95 (brochure) EPA/744/F-94/002

* F-109 Guidance on Acquisition of Environmentally Preferable Products & Services - (16pp) CFR60-50722

SECTION G: GRANTS

G-101 Compendium of Products Developed under the Pollution Prevention Grant Program - 4/94 (72pp)

G-102 National Guidance for Core Pollution Prevention Resources - Memorandum - 3/94 (23 pp)

G-103 National Industrial Competitiveness through Efficiency: Energy, Environment, Economics (NICE³) - 10/94 (2pp grant factsheets)

G-104 Pollution Prevention Incentives for States - Fall 93 (brochure) EPA/742/F-93/002

G-105 Pollution Prevention Incentives for States - Spring 94 (brochure) EPA/742/K-93/001

G-106 Pollution Prevention Media Grant Guidance - 4/93 (25pp) EPA/100/B-93/003

SECTION H: MUNICIPAL WATER

H-101 Municipal Water Pollution Prevention Program - 3/91 (153 pp) 21W-7002

H-102 Municipal Water Pollution Prevention Program: Proceedings of National Annual MWPP Conference- 6/93 (47 pp) EPA/832/R-93/001

H-103 Pollution Prevention at POTWs Case Studies - Winter 94 (brochure) EPA/742/F-94/001

* H-104 Incentives and Disincentives for Adoption of P2 Measures Under EPA's Water Program -2/94 (94pp)

SECTION I: STATE AND LOCAL

I-101 Local Governments and Pollution Prevention -3/9 (4pp)

I-102 Building State and Local Pollution Prevention Programs: (1) Status and Trends (2) Findings and Recommendations - 12/92 (81pp) EPA/130/R-93/0

I-103 Encouraging State Innovation: Preventing Pollutic Through Media Grant Flexibility - Spring 94 (30p EPA/100/R-94/00

I-104 Ongoing Efforts by State Regulatory Agencies to Integrate Pollution Prevention into Their Activitie 9/93 (59pp) EPA/742/B-93/00

I-105 State Legislation Relating to Pollution Prevention (Survey & Summaries) - 6/93 (60pp)

I-106 State Pollution Prevention Initiatives Utilizing Media Program Grant Flexibility - 3/94 (41pp) EPA/100/R-94/00

SECTION J: POLLUTION PREVENTION IN REGULATION

J-101 EPA OPPT Issues Paper Expansion of the TRI to Gather Chemical Use Information: TRI-Phase 3: Use Expansion - 9/94 (18pp)

J-102 Expanding Community Right-to-Know: Recent Changes in the Toxics Release Inventory - 3/95 (10pp) EPA/745/F-95/001

SECTION K: VOLUNTARY POLLUTION PREVENTION PROGRAMS

K-101 The 33/50 Program: The Next Generation (fact sh

K-102 33/50 Program Company Profiles: Reduction Higl 10/94 (9pp) EPA/745/K-94/01

K-103 EPA's Voluntary Programs: A Summary List - 6/9

K-104 Cooperating to Achieve a Clean and Competitive for Smaller U.S. Manufacturers - 7/94 (brochure)

K-105 Energy Star Computers - 7/93 (2pp) EPA/430/F-92/02

K-106 GEMI Reference to EPA Voluntary Programs - (

K-108 Green Lights Program - 8/92 (2pp) EPA/430/F-92/01

K-109 Waste WiSe EPA's Voluntary Program for Reduci Business Solid Waste - 10/93 (18pp) EPA/530/F-93/01

SECTION M: FACT SHEETS

The following are a series of categories containing fact sheets written by state and regional organizations concerning relevant industries within their area of expertise. Each category contains numerous fact sheets as well as a facility au lit checklist. These fact sheets have not been reviewed by the Agency.

M-101 GENERAL POLLUTION PREVENTION (50 pp)

M-102 GENERAL BUSINESS INFORMATION (48 pp)

M-103 AEROSPACE (14 pp)

M-104 AUTOMOTIVE INDUSTRIES (70 pp)

M-105 CHEMICALS (60 pp)

M-106 CIRCUIT BOARDS (40 pp)

M-107 COAL MINING (6 pp)

M-108 COOLING TOWERS (18 pp)

M-109 DRY CLEANING (18 pp)

M-110 EDUCATIONAL AND ANALYTICAL LABORATORIES (17 pp)

M-111 ELECTROPLATING (30 pp)

M-112 FINANCIAL (18 pp)

M-113 FOOD and KINDRED PRODUCTS (36 pp)

M-114 LOCAL GOVERNMENT (36 pp)

M-115 LUMBER (18 pp)

M-116 MEDICAL (23pp)

M-117 METAL INDUSTRIES (72pp)

M-118 PAINT (40pp)

M-119 PAPER and CARDBOARD (32 pp)

M-120 PESTICIDES (70 pp)

M-121 PETROLEUM (40 pp)

M-122 PHOTOPROCESSING (24 pp)

M-123 PLASTICS FIBERGLASS (12 pp)

M-124 PRINTING and PUBLISHING (46 pp)

M-125 RECYCLING and WASTE EXCHANGE (70 pp)

M-126 SOLVENTS (50 pp)

M-127 STEEL and FOUNDRY (18 pp)

M-128 TEXTILE MILLS (24 pp)

M-129 WASTE WATER TREATMENT (18 pp)

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401 M Street, S.W. (3404)
Washington, D.C. 20460

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___ A-107
___ A-108
___ A-109
___ A-110
___ A-111
___ A-112
___ A-113
___ A-114
___ A-115
___ A-116
___ A-117
___ A-118
___ A-119
___ A-120
___ A-121
___ A-122

COMMON SENSE INITIATIVE

___ B-101
___ B-102
___ B-103
___ B-104

DESIGN FOR THE ENVIRONMENT

___ C-101
___ C-102
___ C-103
___ C-104
___ C-105
___ C-201
___ C-202
___ C-203
___ C-204
___ C-205
___ C-206
___ C-207
___ C-208
___ C-209
___ C-210
___ C-211
___ C-212
___ C-213
___ C-214
___ C-215
___ C-216
___ C-217
___ C-218
___ C-219
___ C-301
___ C-302
___ C-401
___ C-402
___ C-403
___ C-404
___ C-405
___ C-406
___ C-407
___ C-501
___ C-502
___ C-503
___ C-504
___ C-601
___ C-602
___ C-603
___ C-604
___ C-605
___ C-606
___ C-607
___ C-608
___ C-609

EDUCATION & TRAINING

___ D-101
___ D-102
___ D-103
___ D-104
___ D-105
___ D-106
___ D-107
___ D-108
___ D-109
___ D-110
___ D-111
___ D-112
___ D-113
___ D-114
___ D-115

ENFORCEMENT

___ E-101
___ E-102
___ E-103
___ E-201
___ E-202
___ E-203
___ E-204
___ E-205
___ E-206
___ E-207
___ E-301
___ E-302
___ E-303
___ E-304
___ E-305
___ E-306

ENVIRONMENTALLY PREFERABLE PRODUCTS

___ F-101
___ F-102
___ F-103
___ F-104
___ F-105
___ F-106
___ F-107
___ F-108
___ F-109

GRANTS

___ G-101
___ G-102
___ G-103
___ G-104
___ G-105
___ G-106

MUNICIPAL WATER

___ H-101
___ H-102
___ H-103
___ H-104

STATE AND LOCAL

___ I-101
___ I-102
___ I-103
___ I-104
___ I-195
___ I-106

POLLUTION PREVENTION IN REGULATION

___ J-101
___ J-102

VOLUNTARY POLLUTION PREVENTION PROGRAMS

___ K-101
___ K-102
___ K-103
___ K-104
___ K-105
___ K-106
___ K-107
___ K-108
___ K-109

ADDITIONAL POLLUTION PREVENTION INFORMATION FO INDUSTRIES

___ L-101
___ L-102
___ L-103
___ L-104
___ L-201
___ L-202
___ L-301
___ L-401
___ L-402
___ L-403
___ L-404
___ L-405
___ L-406
___ L-407
___ L-408
___ L-501
___ L-50
___ L-60
___ L-70
___ L-70
___ L-80
___ L-90
___ L-90

FACT SHEETS

___ M-101
___ M-102
___ M-103
___ M-104
___ M-105
___ M-106
___ M-107
___ M-108
___ M-109
___ M-110
___ M-111
___ M-112
___ M-113
___ M-114
___ M-115
___ M-116
___ M-117
___ M-118
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RCRA Compliance Evaluation Inspection

ASHLAND CHEMICAL COMPANY
DIVISION OF ASHLAND INC.
2801 Christopher Columbus Blvd.
Philadelphia, Pennsylvania 19148

Telephone Number: 215-336-5600

Date of Inspection: April 10, 1996

RCRA Identification Number: PAD980552251

Latitude: 39 X 54" 37' north
Longitude: 076 X 08' 17" west

EPA Representative:	George H. Houghton Environmental Protection Specialist
	Ken Cox Region III - RCRA Enforcement
Facility Representative:	Mark E. Santangelo Plant Manager
	Joseph V. Rogers Office Manager
	Don E. Gebhardt Senior Staff Engineer Corporate - Columbus

BACKGROUND

At the request of EPA Region III, a representative from EAPD's, Field Inspection Program-Annapolis inspected Ashland Chemical for compliance with the RCRA hazardous waste generator regulations. The facility was chosen for this Compliance Evaluation Inspection as part of the Philadelphia South - Southwest Initiative.

FACILITY DESCRIPTION

Ashland Chemicals is located adjacent to the Delaware River in southern Philadelphia on four acres of land. The Publicker (sp?) Superfund site borders Ashland to the south. There are about 50 workers at this location including office, laboratory and plant personnel. Operations are 24 hours per day, 7 days per week and the plant has been at this location for 15 years. The facility's primary products, poly ester (30 to 40 blends) and vinyl ester (150 blends) in liquid form, are sold in bulk to manufacturs rather than to the general public. This material is used to produce a variety of products from buttons to bowling balls including counter tops, yachts, plastic dishware, etc. The production is a batch process in three vessels. Finished product is shipped out by rail cars, tank trucks and in drums.

A schematic process description is attached.

PERMIT STATUS

Ashland is a large quantity generator storing for less than 90 days. The facility has no plans to apply for a Part B RCRA permit for storage greater than 90 days.

INSPECTION OBSERVATIONS

Storage

Waste is accumulated in Building 10 (warehouse). This is the facility's largest less than 90 day storage area. At this location were four containment pans holding 4 drums each. Two of the containers were labeled non-regulated. All of the containers were properly labeled, dated and closed. No leaks or deteriorated drums were observed. Based on the generation date on each of the containers, none were stored for greater than 90 days. The inspection log for this area was in order (a sample copy is attached).

Satellite accumulation

The tank wagon loading station has two drums. One drum contained resins that can be reprocessed/reclaimed on site and are therefore not regulated as a waste. The second drum

contained filter bags that are disposed as a hazardous waste. This drum was labeled, dated and closed. The waste accumulation time period is from 2 to 7 days at this location.

A second satellite accumulation area is located at the drum out area (where drums are filled with product). This drum was also properly managed.

A third satellite accumulation area, at building 76, was labeled "spent acid value". The one container at this site was closed but not labeled with the hazardous waste label nor dated and is not a part of the inspection program. This accumulation point is located just outside the building and is for use of workers in the reactor processing building. It was placed there so workers would not accumulate small quantities of this waste at various locations inside the building. The contents of this container are transferred to another container for disposal on a frequent basis. The facility was instructed to label this container with the words "hazardous waste".

Bad Batch

The facility has had, on occasion, to discard an entire batch of product that had hardened or was not recoverable in a reactor vessel. At the time of this inspection, a bad batch was stored in two covered rolloff containers. Samples have were taken to determine hazard characteristics. According to the facility representative, this waste should not be hazardous, based on their past experience with this product.

ATTACHMENTS

1. Schematic process diagram
2. Quarterly waste generation report for 3/31/96
3. 1995 biennial report
4. Blank inspection form
5. Letter dated April 17, 1995 regarding discrepancy
6. Analytical data for the shipment mentioned in the April 17, 1995 letter
7. PPC Plan - table of contents
8. Sample manifest MDC 544120
9. Sample manifest NJA2071083

ENFORCEMENT CONFIDENTIAL

SUMMARY OF FINDINGS

A RCRA Compliance Evaluation Inspection was conducted at Ashland Chemical in Philadelphia, Pennsylvania on April 10, 1996. RCRA identification number is PAD980552251.

The facility had one 55 gallon container that contained a hazardous waste stored outside building 76 (qualifies for satellite accumulation). It was not labeled with the words hazardous waste, dated or inspected. PADEP does not officially recognize satellite generation although the new PADEP regulations will include satellite provisions. It is this inspector's understanding that PADEP is currently allowing satellite accumulation pending the promulgation of the new regulations.

GENERATOR CHECKLIST - PA FACILITIES

Name of Facility: ASHLAND CHEMICAL COMPANY

Address of Facility: DIVISION OF ASHLAND OIL

2801 CHRISTOPHER COLUMBUS BLVD.

PHILADELPHIA, PA 19148

EPA I.D. Number: PAD980552251

Name/Title of Facility Representative: MARK SANTANGELO, PLANT MANAGER

JOSEPH V. ROGERS, OFFICE MANAGER

DON E. GEBHARDT, SENIOR STAFF ENGINEER

I. General

1. Provide a brief description of the type of operation(s) that produces hazardous waste at this facility:

   Ashland Chemicals is located adjacent to the Delaware River in southern Philadelphia on about four acres of land. The Publiker (SP?) Superfund borders Ashland to the south. There are about 50 workers at this location including office, laboratory and plant personnel. Operations are 24 hours per day and 7 days per week and the plant has been on this site for 15 years. The product, poly ester (30 to 40 blends) and vinyl ester (150 blends) in liquid form, is sold in bulk to manufactures rather than to the general public. This material is used to produce a variety of products from buttons to bowling balls including counter tops, yachts, plastic dishware, etc. The production is a batch process in three vessels.

2. Does the facility perform the following on-site:

   a. storage (>90 day) of hazardous waste? NO

   b. treatment of hazardous waste? NO

   c. disposal of hazardous waste? NO

(if yes, complete appropriate TSD checklists)

261.4
3. Is the facility subject to any exclusions for its hazardous waste? NO

262.11(a)(3)
4. Has the facility properly determined whether all of its waste exhibits any of the characteristics of hazardous waste? YES

If yes, describe what this determination was based upon (i.e., testing or knowledge of process/materials used).

KNOWLEDGE OF THE PROCESS AND THE INGREDIENTS ALONG WITH ANNUAL TESTING OF ROUTINE WASTES, ANY NEW WASTE STREAMS WILL BE TESTED FOR HAZARD CONSTITUENTS

5. Has the facility failed to notify the State of any of its hazardous waste management activities, including locations of all hazardous waste accumulation areas? NO

II. Manifest

Complete this section only if facility ships hazardous waste off-site.

262.12(d)
1. Has the generator offered a shipment of hazardous waste to a transporter that has not received an identification number? YES

262.20(b)
2. Does the facility use the Hazardous Waste Manifest provided by Pa DER whenever transporting hazardous waste? YES

If yes, review a representative number of manifests and indicate whether they contain:

262.20(g)
a. Generator's name, mailing address, telephone number and EPA ID number? YES

b. EPA/State manifest document numbers? YES

c. Total number of pages used to complete the manifest? YES

d. Transporter's name and EPA ID number? YES

e. DOT waste description, including proper shipping name,

hazardous waste class and DOT identification number? YES

f. Physical state and hazard codes for each waste? YES

g. Number and type of containers (if applicable)? YES

h. Quantity (either weight or volume) of each waste transported by hazardous waste number? YES

i. Name, EPA ID number and site address of facility designated to receive the waste? YES

j. The following certification? YES

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and environment."

262.22

3. Does the manifest consist of eight copies? YES

262.23

4. Did the generator:

a. Sign and date the certification statement on the manifest? YES

b. Obtain the handwritten signature and date of acceptance from the initial transporter? YES

c. Ensure that copies of the manifest were properly distributed? YES

d. Ensure that return copies of the manifest from the designated TSD facility were properly signed and dated? YES

e. Retain a copy of the signed manifest for at least twenty years? YES

The inspector should obtain copies of <u>any</u> manifests that are found to have problems.

III. Pre-Transport Requirements

Complete this section only if the facility ships hazardous waste off site.

1. Is there any indication that the facility is:

262.30(1)
a. Not packaging its waste in accordance with DOT regulations (49 CFR Parts 173, 178 and 179)? NO

262.30(2)
b. Not labelling each package in accordance with DOT regulations (49 CFR Part 172)? NO

262.30(3)
c. Not marking each container of 110 gallons or less with the words "hazardous waste -----" or each package of hazardous waste in accordance with DOT regulations (49 CFR Part 172)? NO

262.33
2. Does the facility placard or offer the transporter placards for its hazardous waste shipments? YES

IV. Waste Accumulation

Complete this section only if the facility accumulates hazardous waste for less than 90 days.

Note: Satellite accumulation is not allowed in Pa.

262.34(a)(5)
1. Does the facility maintain personnel training and other records required in 265.16? YES

If yes, do these records include:

265.16(f)(1)
a. Job title for each position related to hazardous waste management and the employee filling each job?
YES VERY GENERAL

265.16(f)(2)
b. A written job description for each position?
YES BUT IT IS VERY GENERAL

265.16(f)(3)
c. A written description of the type and amount of training that will be given to each person?
YES PART OF TRAINING RECORD FOR EACH EMPLOYEE

265.16(f)(4)
d. Records that document that the training or job experience required by facility personnel to effectively respond to emergencies and otherwise manage hazardous waste in a proper manner has been successfully completed?
YES

265.16(d)
2. Have facility personnel successfully completed the required training or job experience within six months after occupying the position? YES

265.16(e)
3. Do facility personnel take part in an annual review of the initial training requirements and update them as necessary?
YES

262.34(a)(5)
4. Does the facility maintain an adequate preparedness and prevention program as required in Chapter 265 Subpart C?
YES

Is the facility equipped with:

265.32(1)
a. Internal communications or alarm system? YES

265.32(2)
b. Telephone or hand-held two-way radio, immediately available? YES

265.32(3)
c. Portable fire extinguishers or other fire control equipment, spill control equipment and decontamination equipment? YES

265.32(4)
d. Adequate volume of water? YES

265.33
5. Does the facility test and maintain the above equipment to assure its proper operation? YES THROUGH A CONTRACT WITH WELLS FARGO

265.35
6. Is there sufficient aisle space to allow the unobstructed movement of personnel and equipment to areas where hazardous waste are located in the event of an emergency? YES

265.37(a)(1)
7. Has the facility made arrangements with local authorities to familiarize them with the layout of the facility and the nature/hazards of the hazardous waste handled at the facility? YES FIRE DEPARTMENT DISASTER DRILL AT FACILITY AND ANNUAL TOUR BUT NO WRITTEN DOCUMENTATION

262.34(a)(5)
8. Has the facility prepared a contingency plan and is it maintained at the facility? YES

If yes, does it contain the following:

265.52(a)
a. Description of the actions that are to be taken in case of an emergency (all potential types of emergencies should be identified)? YES

265.52(c)
b. Description of arrangements made with local authorities? SEE QUESTION 7

265.52(d)
c. Current list of emergency coordinators' names, addresses and phone numbers (office and home)? YES

265.52(e)
d. List of all emergency equipment at the facility, including locations, descriptions and relevant capabilities? YES

265.52(f)
e. evacuation plan for facility personnel? YES

The inspector should obtain a copy of the facility's contingency plan if any problems are found.

265.53(2)
9. Were copies of the contingency plan submitted to local authorities that may provide emergency services? YES no

10. Has the facility's contingency plan ever failed in an emergency? IMPLEMENTATION HAS NOT BEEN NECESSARY

If yes:

265.54(2)
a. Was the contingency plan immediately amended?
yes no

265.52(b)
11. Has the facility's Contingency Plan been approved by Pa DER? yes no

265.56(j)
12. If the contingency plan is implemented, does the facility record the incident in its operating log and submit a written report of the incident to Pa DER within 15 days?
N/A

262.34(a)(2)
13. What is the method of waste storage:

Containers? YES

Tanks? NO

Containment Buildings? NO

Other? NO

Answer the following questions if the facility uses container storage.

262.34(a)(2) & (4)
14. Are the container(s) marked with the yellow DOT Hazardous Waste labels and the date that waste accumulation in that container begins? YES
262.34(a)

15. Based upon accumulation dates, have any container(s) been in storage for more than 90 days? NO

If yes, the inspector should complete the appropriate TSD checklists.

265.171
16. Are container(s) in good condition? YES

265.172
17. Are container(s) made of or lined with materials which will not react with or be incompatible with the waste they are storing? YES

265.173(a)
18. Are container(s) kept closed? YES

265.171
19. Are any container(s) leaking? NO

265.174
20. Are container storage area(s) inspected at least weekly and is an adequate inspection record/log maintained?
YES

265.176
21. Are container(s) holding ignitable or reactive waste located at least 15 meters (50 feet) from the facility's property line? YES

22. Are incompatible wastes placed in the same container(s)?
NO

265.177(a)
a. Is there any evidence that conditions of extreme heat or pressure, fire or explosion, violent reactions or toxic emissions occurred? NO

265.177(c)
23. Are container(s) holding incompatible hazardous waste properly separated or protected from one another while in storage? N/A

265.178(a)
24. Does the container storage area have an effective containment system capable of collecting and holding spills, leaks and precipitation? YES

If yes:

265.178(a)(2)
a. Does the containment system provide efficient drainage from the base to a sump or collection system?
YES

265.178(a)(3)
b. Does the containment system have sufficient capacity to contain the entire volume of the largest container or 10% of the total volume of all the containers, whichever is greater? YES

265.178(b)
c. Is run-on into the containment system prevented?
YES

265.178(c)
d. Is spilled or leaked waste removed from the sump or

collection system with sufficient frequency to prevent overflow? YES

25. In the case of flowable liquid wastes (<20% solids) in containers of less than 110 gal capacity:

265.178(e)(1)
a. Does the container height exceed 6 feet for indoor storage of reactive or ignitable hazardous waste?
NO

265.178(e)(2)
b. Does the container height exceed 9 feet for outdoor storage of reactive or ignitable hazardous waste?
NO

265.178(e)(3)
c. Does the container height exceed 9 feet for either indoor or outdoor storage of non-reactive or non-ignitable hazardous waste? NO

265.178(e)(1) & (2)
26. Is there at least a 5 foot wide aisle for any storage area where reactive or ignitable hazardous is stored?
YES

27. In the case of outdoor storage of reactive or ignitable waste: WASTE NOT STORED OUTDOORS

265.178(e)(2)
a. Is there at least a 12 foot wide main accessway through a container storage area? yes no N/A

b. Is there a minimum 40 foot setback from a building?
yes no N/A

Answer the following questions if the facility uses **tank** storage.

NO TANK STORAGE AT THIS FACILITY

Answer the following questions if the facility uses **CONTAINMENT BUILDINGS** as a storage unit.
(effective February 18, 1993)

NO CONTAINMENT BUILDINGS AT THIS LOCATION

V. Recordkeeping and Reports

262.42((b)

1. Does the facility prepare an Exception Report and submit it to the Pa. DER if a signed copy of the manifest is not received within 45 days of the date the waste was accepted by the initial transporter? N/A

If yes, does the Exception Report include:

262.42(b)(1)
a. Legible copy of the manifest? yes no

262.42(b)(2)
b. Cover letter explaining generator's efforts to locate waste and the results of those efforts? yes no

262.41(a)
2. If the facility ships any hazardous waste off-site, does it prepare a Quarterly Report and submit it to Pa. DER by the appropriate dates (i.e., April 30, July 31, October 31, January 31)? YES (ATTACHED)

If yes, does the facility use the form designated by Pa. DER as its Quarterly Report and is it properly completed? YES

3. Does the facility provide to EPA, on at least a biennial basis (by March 1 of each even numbered year), the following: ATTACHED

262.41(a)(6) (40 CFR)
a. A description of the efforts undertaken during the year to reduce the volume and toxicity of the waste generated? YES

262.41(a)(7) (40 CFR)
b. A description of the changes in volume and toxicity of the waste actually achieved during the year?YES

262.40(a)(b)(c)
4. Does the facility retain copies of signed manifests, Quarterly Reports, Exception Reports and test results/waste analyses for a minimum of 20 years from the date that the waste was last sent to on-site or off-site treatment, storage or disposal? YES

262.45
5. Has the facility submitted to Pa. DER, if required, a properly prepared plan relating to the disposal of its hazardous waste either at an on-site or off-site treatment or disposal facility? N/A

262.46(d)

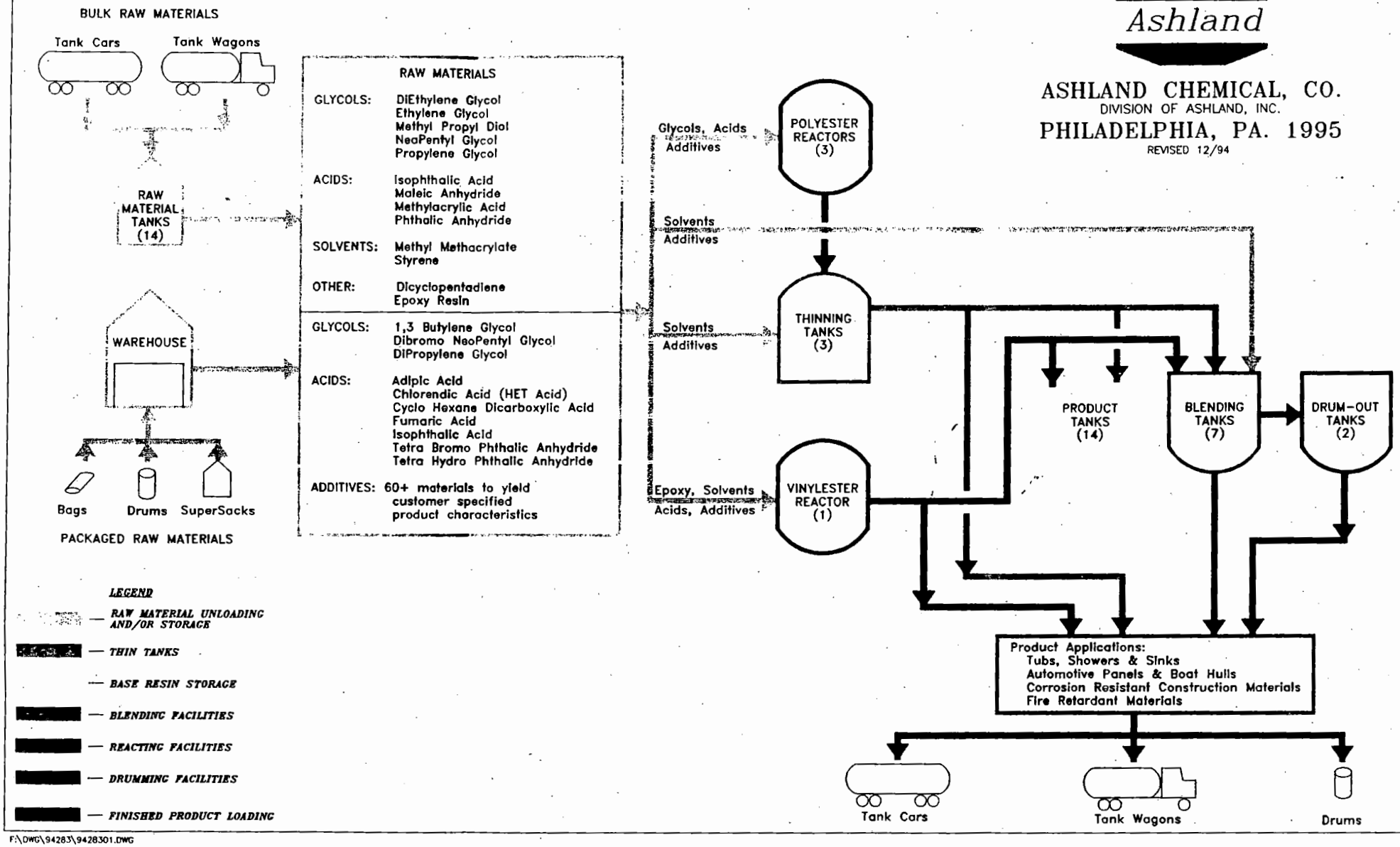
6. Has the facility filed a properly prepared report with Pa. DER within 15 days of any event where a discharge or spill equal or greater than the reportable quantity for that given hazardous waste occurred or <u>any</u> discharges into surface or ground water? N/A

Additional Comments: THE FACILITY DID HAVE AN EXCEPTION CONCERNING A LOAD OF NON HAZARDOUS WASTE THAT WAS DETERMINED TO BE HAZARDOUS WASTE BY THE DISPOSAL FACILITY. A LETTER (DATED APRIL 17, 1995) DESCRIBING THE PROBLEM IS ATTACHED THIS REPORT.

FACILITY MATERIAL FLOW

Ashland

ASHLAND CHEMICAL, CO.
DIVISION OF ASHLAND, INC.
PHILADELPHIA, PA. 1995
REVISED 12/94



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DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT
P.O. Box 2063
Harrisburg, PA 17120

55

QUARTERLY HAZARDOUS WASTE REPORT — GENERAL INFORMATION

I. This report is for the quarter ending (check one):

- ☒ March 31
- ☐ June 30
- ☐ September 30
- ☐ December 31

19 96
Yr.

II. Your EPA I.D. Number | P | A | D | 9 | 8 | 0 | 5 | 5 | 2 | 2 | 5 | 1 |

III. ☐ Check this block, if there is nothing to report this quarter.

IV. Name of Installation ASHLAND CHEMICAL, INC.

V. Mailing Address 2801 CHRISTOPHER COLUMBUS BLVD.
PHILADELPHIA, PA 19148

VI. Location Address -SAME-

If within PA, PHILADELPHIA (Name of Municipality) ☒ City ☐ Borough ☐ Township (Check one) PHILADELPHIA County

VII. Contact Person JOSEPH V. ROGERS

Phone No. 215 - 336 - 6500
(Area Code)

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

JOSEPH V. ROGERS	Joseph V. Rogers	04-04-96
A. Print or Type Name	*B. Signature of Authorized Representative*	*C. Date Signed*

Please Type or Print in Ink

DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

55

GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No. PAD980552251

II. TSD Facility's EPA I.D. No. NYD049253719

TSD Facility's Name ASHLAND CHEMICAL COMPANY

Address 3 BROAD STREET, BINGHAMTON, NY 13902

III. WASTE SHIPPED OFF—SITE

A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (Include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	Put X in Box	D. PA. Haz Waste Tr Licens
US DOT Description- HAZARDOUS WASTE SOLIDS, N.O.S. (PHTHACIC ANHYDRIDE), 9, NA3077, PG III, RQ (U190) State Manifest Document Number - NYB 778425 3-00126	U190	02190	K X R T M	A H 0
US DOT Description- WASTE FLAMMABLE LIQUIDS, N.O.S. (TOLUENE, ACETONE), 3, UN1993, PG II, RQ (D001) State Manifest Document Number - NYB 778425 3-00126	F003 F005 D001	01305	K X R T M	A H 0
US DOT Description- WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE), 3, UN1993; PG III, RQ (D001) State Manifest Document Number - NYB 778425 3-00126	D001	01240	K X P T M	A H 01
US DOT Description- WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE, METHYL METHACRYLATE), 3, UN1993, PG III, RQ (D001) State Manifest Document Number - NYB 778425 3-00126	D001 D007	01535	K X R T M	A H 01
US DOT Description- WASTE FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE), 3, UN1993, PG III RQ (D001) State Manifest Document Number - NYB 778426 2-00126	D001	00410	K X R T M	A H 01
US DOT Description- State Manifest Document Number -			K P T M	A H
US DOT Description- State Manifest Document Number -			K P T M	A H
US DOT Description- State Manifest Document Number -			K P T M	A H
US DOT Description- State Manifest Document Number -			K P T M	A H
US DOT Description- State Manifest Document Number -			K P T M	A H

Comments:

DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

55

GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No. PAD980552251

II. TSD Facility's EPA I.D. No. NJD053288239

TSD Facility's Name ROLLINS ENVIRONMENTAL SERVICES (NJ) INC.

Address ROUTE 322 BRIDGEPORT, NEW JERSEY 08014

III. WASTE SHIPPED OFF-SITE

A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (Include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	Put X in Box	PA. Ha Waste T Licen
US DOT Description- WASTE FLAMMABLE LIQUID, N.O.S. (STYRENE, METHYL METHACRYLATE), 3, UN1993, PG III, (D001, D007), RQ State Manifest Document Number - NJA 2071093 - 00124	D001	01620	K XX T M	AH 0
US DOT Description- WASTE FLAMMABLE LIQUID, N.O.S. (STYRENE, METHYL METHACRYLATE), 3, UN1993, PG III (D001), RQ State Manifest Document Number - NJA 2071093 - 00124	D001	00360	K XX T M	AH 0
US DOT Description- HAZARDOUS WASTE SOLID, N.O.S. (STYRENE, METHYL METHACRYLATE), 9, NA3077, PG III, (D001), RQ State Manifest Document Number - NJA 2071093 - 00124	D001	04440	K XX T M	AH 0
US DOT Description- RQ WASTE FLAMMABLE LIQUID, N.O.S., 3, UN1993, PG II, (TOLUENE ACETONE) State Manifest Document Number - NJA 2275196 - 00125	F003	02890	K XX T M	AH 0
US DOT Description- WASTE FLAMMABLE LIQUID, N.O.S. 3, UN1993, PG III, (STYRENE) State Manifest Document Number - NJA 2275196 - 00125	D001	02970	K XX T M	AH 0
US DOT Description- WASTE FLAMMABLE LIQUID, N.O.S. 3, UN1993, PG III, (STYRENE, METHYL METHACRYLATE) State Manifest Document Number - NJA 2275196 - 00125	D001	02580	K XX T M	AH 0
US DOT Description- State Manifest Document Number -			K P T M	AH
US DOT Description- State Manifest Document Number -			K P T M	AH
US DOT Description- State Manifest Document Number -			K P T M	AH
US DOT Description- State Manifest Document Number -			K P T M	AH

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY
2801 CHRISTOPHER COLUMBUS BLVD
PHILADELPHIA PA 19148-5103

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I Site name and location address. Complete A through H. Check the box ☐ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, en information. Instruction page 10.

A. EPA ID No. Same as label ☒ or →	B. County PHILADELPHIA
C. Site/company name Same as label ☒ or →	D. Has the site name associated with this EPA ID changed since 1993? ☐ 1 Yes ☒ 2 No
E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description. Same as label ☒ or →	
F. City, town, village, etc. Same as label ☒ or →	G. State Same as label ☒ / H. Zip Code Same as label ☒

Sec. II Mailing address of site. Instruction page 10.

A. Is the mailing address the same as the location address? ☒ 1 Yes (SKIP TO SEC. III) ☐ 2 No (GO TO BOX B)

B. Number and street name of mailing address

C. City, town, village, etc.	D. State	E. Zip Code

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 10.

A. Please print: Last Name	First name	M.I.	B. Title	C. Telephone
ROGERS	JOSEPH	V.	OFFICE MANAGER	215 336-6500 Extension 115

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment fo knowing violations."

A. Please print: Last Name	First name	M.I.	B. Title
ROGERS	JOSEPH	V	OFFICE MANAGER

C. Signature: Joseph V Rogers

D. Date of signature: 02 24 96 (MO. DAY YR.)

EPA ID NO: PA0 980 552 251

Sec.V - Generator Status. Instruction pages 10, 12.

LOG : LARGE QUANTITY GENERATOR

A. 1995 RCRA generator status (CHECK ONE BOX BELOW)	B. Reason for not generating (CHECK ALL THAT APPLY)	
☒ 1 LOG	☐ 1 Never generated	☐ 5 Periodic or occasional generator
☐ 2 SQG — SKIP to SEC. VI	☐ 2 Out of business	☐ 6 Waste minimization activity
☐ 3 CESQG — SKIP to SEC. VI	☐ 3 Only excluded or delisted waste	☐ 7 Other (SPECIFY COMMENTS IN BOX BELOW)
☐ 4 Non generator (Continue to Box B)	☐ 4 Only non-hazardous waste	

Sec.VI - On-Site Waste Management Status. Instruction pages 13, 14.

A. Storage subject to RCRA permitting requirements	B. Treatment, disposal, or recycling subject to RCRA permitting requirements	C. RCRA-exempt treatment, disposal, or recycling
1	1	1

Sec.VII - Waste Minimization Activity during 1994 or 1995. Instruction pages 14, 15.

A. Did this site begin or expand a source reduction activity during 1994 or 1995?	B. Did this site begin or expand a recycling activity during 1994 or 1995?	C. Did this site systematically investigate opportunities for source reduction or recycling during 1994 or 1995?
☒ 1 Yes	☐ 1 Yes	☒ 1 Yes
☐ 2 No	☒ 2 No	☐ 2 No

D. Did any of the factors listed below delay or limit this site's ability to initiate new or additional source reduction activities in 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

Yes	No		
☐ 1	☒ 2	a.	Insufficient capital to install new source reduction equipment or implement new source reduction practices
☐ 1	☒ 2	b.	Lack of technical information on source reduction techniques applicable to the specific production processes
☐ 1	☒ 2	c.	Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment
☒ 1	☐ 2	d.	Concern that product quality may decline as a result of source reduction
☐ 1	☒ 2	e.	Technical limitations of the production processes
☐ 1	☒ 2	f.	Permitting burdens
☐ 1	☒ 2	g.	Source reduction previously implemented - additional reduction does not appear to be technically feasible
☐ 1	☒ 2	h.	Source reduction previously implemented - additional reduction does not appear to be economically feasible
☐ 1	☒ 2	i.	Source reduction previously implemented - additional reduction does not appear to be feasible due to permitting requirements
☐ 1	☒ 2	j.	Other (SPECIFY COMMENTS IN BOX BELOW)

E. Did any of the factors listed below delay or limit the site's ability to initiate new or additional on-site or off-site recycling activities during 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

Yes	No		
☐ 1	☒ 2	a.	Insufficient capital to install new recycling equipment or implement new recycling practice
☐ 1	☒ 2	b.	Lack of technical information on recycling techniques applicable to this site's specific production process
☐ 1	☒ 2	c.	Recycling is not economically feasible: cost savings in waste management will not recover the capital investment
☒ 1	☐ 2	d.	Concern that product quality may decline as a result of recycling
☐ 1	☒ 2	e.	Requirements to manifest wastes inhibit shipments of off-site for recycling
☐ 1	☒ 2	f.	Financial liability provisions inhibit shipments off-site for recycling
☐ 1	☒ 2	g.	Technical limitations of production processes inhibit shipments off-site for recycling
☐ 1	☒ 2	h.	Technical limitations of production processes inhibit on-site recycling
☐ 1	☒ 2	i.	Permitting burdens inhibit recycling
☐ 1	☒ 2	j.	Lack of permitted off-site recycling facilities
☒ 1	☐ 2	k.	Unable to identify a market for recycled materials
☐ 1	☒ 2	l.	Recycling previously implemented - additional recycling does not appear to be technically feasible
☐ 1	☒ 2	m.	Recycling previously implemented - additional recycling does not appear to be economically feasible
☐ 1	☒ 2	n.	Recycling previously implemented - additional recycling does not appear to be feasible due to permitting requirements
☐ 1	☒ 2	o.	Other (SPECIFY COMMENTS IN BOX BELOW)

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY
COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
IGNITABLE FINISHED GOODS EXCEEDING SHELF LIFE - CONTAINS STYRENE

B. EPA hazardous waste code Page 19.	C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A58	4	B212	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
71820.0	73610.0	1	. ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M	.	M	.

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M042	1	1370.0
Site 2	MAD 039 322 250	M141	1	7224.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY
COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. IGNITABLE - USED FILTER BAGS AND CARTRIDGES GENERATED FROM FILTRATION OF POLYESTER RESIN - CONSISTS OF STYRENE AND METHYL METHACRYLATE.

B. EPA hazardous waste code Page 19. D001 D007

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 M	A 32	2	B 212	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
23860.0	17080.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M 042	1	14950.0
Site 2	MAD 039 322 250	M 141	1	2130.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:
PARTIALLY POLYMERIZED POLYESTER RESIN WITH FILTER BAGS, CARTRIDGES

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. IGNITABLE POLYESTER RESIN FROM GENERAL CLEAN UP AND LABORATORY SAMPLING - CONTAINS STYRENE AND METHYL METHACRYLATE.

B. EPA hazardous waste code Page 19. D001

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	System 1 Type M	A92	2	B212	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
2250.0	4670.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M042	1	1340.0
Site 2	MAD 039 322 250	M141	1	3330.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
FLOOR SWEEPINGS FROM ADDITION STAGING AREA AND WAREHOUSE - CONSISTS OF PHTHALIC ANHYDRIDE

B. EPA hazardous waste code Page 19.	C. State hazardous waste code Page 19.
4190	

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A53	2	B407	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
1509.0	2390.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M043	1	1060.0
Site 2	MAD 039 322 250	M141	1	1330.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W / W / W / W	☐ 1 Yes ☐ 2 No			

Comments:
VARIOUS CHEMICALS USED IN PRODUCTION OF POLYESTER RESIN

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. IGNITABLE SPENT CARBON FROM VENTING OF STORAGE TANKS - CONSISTS OF STYRENE, METHYL METHACRYLATE AND DICYCLOPENTADIENE

B. EPA hazardous waste code Page 19. D001

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 System Type M	A 78	2	B 404	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
6234.0	1640.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M043	1	1640.0
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

BACK UP SYSTEM TO AN AFTERBURNER

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. CORROSIVE SLUDGE FROM CAUSTIC TANK CLEANING OPERATION - CONSISTS OF SODIUM HYDROXIDE

B. EPA hazardous waste code Page 19. D002 D007 D008

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A03	2	B519	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
674.0	1469.0	1	. / ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M	.

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M	.

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M042	1	1089.0
Site 2	MAD 039 322 250	M141	1	3809.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W / W / W / W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

CAUSTIC SLUDGE FROM EQUIPMENT CLEANING

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. IGNITABLE FINISHED GOODS EXCEEDING SHELF LIFE - CONTAINS STYRENE, METHYL METHACRYLATE

B. EPA hazardous waste code Page 19. D001

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A58	1	B212	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
3740.0	2580.0	1 (☐ 1 lbs/gal ☐ 2 sg; Density .)	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995 .

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995 .

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD053288239	M042		1550.0
Site 2	MAD039322250	M141		1030.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
FILTER MEDIA AND DUST FROM EXHAUST SYSTEM IN THE PRODUCTION AREA.

B. EPA hazardous waste code Page 19.
4190

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code 1 Page 19 System Type M	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821		A 78	2	B 407	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
700.0	1080.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M043	1	1080.0
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

FILTER CHANGES IN EXHAUST SYSTEM IN PRODUCTION AREA

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
LAB PACK OF OBSOLETE AND OLD CHEMICALS

B. EPA hazardous waste code Page 19.
D001 4044
D002 4096 4160

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	M	A58	1	B001	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
130.0	34.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	MAD 039 322 250	M141	1	34.0
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:
LAB PACKS

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
ETHYLENE GLYCOL REACTOR FLUSH

B. EPA hazardous waste code Page 19.
D001

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A04	3	B219	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
0.0	4015.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	MAD 039 322 250	M061	1	4015.0
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W / W W	☐ 1 Yes ☐ 2 No			

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
IGNATIBLE FINISHED GOODS GENERED IN PRODUCTION - CONTAINS STYRENE

B. EPA hazardous waste code Page 19.

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	M	A57	1	B212	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
0.0	10140.0	1	. ☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M	.	M	.

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	MAD 039 322 250	M141	1	10140.0
Site 2		M		.

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMERS DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
IGNITABLE SOLVENT RECOVERED FROM PRODUCTION PROCESS IN THE MANUFACTURING OF POLYESTER RESIN - CONSISTS OF TOLUENE, ACETONE

B. EPA hazardous waste code Page 19.
D001 F003
F005

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	M	A35	2	B201	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
13680.0	8660.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1	NJD 053 288 239	M041	1	5740.0
Site 2	MAD 039 322 250	M141	1	2920.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:
RECOVERED FROM PROCESS TESTING ~~Sampling~~ AND FROM CONDENSATE

Client: Clean Harbors Environmental Services, Inc.
Sample I.D.: 703197,198,203,4, DRUMS
Sample Type: Oil

CHES Lab #: 9504165-03L
Date Received: 04/11/95

Parameter	PQL	Result	Units	Analysis Date	Method Number and Reference
Flashpoint	--	91	deg F	04/11/95	1010(s)

Notes: ND = Below practical quantitation limit (PQL)
Soil/solid samples based on sample dry weight.

Cleanharbors

PRC

Client: CHES BALTIMORE Project Name: Ashland Work Order No.: NJ 7301 Date:

Report To: Guy Lamarent Address: Phone #:

Date Samples Collected: by: Date Samples Received: 4-11-95

Acceptable at Lading? Y N NOTE: Samples received unpreserved will be preserved upon receipt of CHES Samples were Preserved Unpreserved

Sample ID	Sampling Information: Date	Time	Station Location	Sample Matrix	Analysis: Flash Point								# of CNTS	4.11.95 RA CHES Sample # 9504165
703245-7	4-10	AM	Drums	Liquid	X									01L
703199-202	4-10	↓	/	/	X									02L
703197, 198, 203	4-10	↓			X									03L

Relinquished by: [signature] Date: Time:

Received by: [signature] Date: Time:

Relinquished by: FED-EX Date: [illegible] Time: 4:10

Received by: [signature] Date: [illegible] Time: 4:10

VOA Vial														
Glass Bottle	X													
Plastic Bottle														
Pres.														
Volume														

Preservation Key: A — Acidified with ___ B — Filtered, C — Sample chilled, D — NaOH, E — Hydrochloric, W — Sample Sorbent, F — Other

REMARKS/COMMENTS: (Sample storage, concentrated textiles, structure, special instructions)

Standard laboratory turnaround time is 2 weeks from date of receipt. Accelerated turnaround may be achieved if [illegible]. Accelerated turnaround requested: ___ Confirmed by: ___ Surcharge: ___

Location of samples: [illegible]

Turnaround: 30 Day 45 Day 1 Week 2 Weeks Other

Title: PPC PLAN - 1994 PPC PLAN TABLE OF CONTENTS	Issue Date: 10/28/94	Procedure No.: TABLE OF CONTENTS
	Revision: 1	Page: 1 of: 4
	Approved: Date App:	Current Author: MES Rev. Date: 10/28/94

PPC PLAN ELEMENTS	SECTION 1 PAGE
Facility and Operations	1.1
Organizational Structure	1.3
Material Safety Data Sheets	1.4
Material Hazard Chart	1.4
Spill and Leak Prevention	1.5
Material Compatibility	1.5
Inspection and Monitoring Program	1.6
Preventive Maintenance	1.6
Housekeeping Program	1.7
Security	1.7
External Factors	1.8
Internal and External Communication or Alarm Systems	1.8
Employee Training Program	1.9
Medical Contacts	1.9
Pollution Incident History	1.10

EMERGENCY NOTIFICATION AND RESPONSE	SECTION 2 PAGE
Emergency Reporting Phone Numbers	2.1
Notification for Spills/Releases	2.2
Community Relations Resources	2.4
Emergency Shutdown and Evacuation Plan	2.8
Emergency Reporting/Response Coordination System	2.16
Emergency Coordinator Responsibilities	2.22
Emergency First Aid	2.28
Plant 2-Way Radio Usage and Drills	2.33
Emergency Preparedness Chain of Command	2.35
Incident Command System - Organizational Chart	2.36
Emergency Response Personnel Roles and Responsibilities	2.37

SAFETY AND EMERGENCY LISTS	SECTION 3 PAGE
Emergency Equipment List	3.1
Safety Inspection Checklists	3.5
Emergency Equipment Locations	3.17
Respirator Inspection Checklist	3.25
Safety Tailgate Meeting Sheet	3.26

Title: PPC PLAN - 1994 PPC PLAN TABLE OF CONTENTS	Issue Date: 10/28/94	Procedure No.: TABLE OF CONTENTS
	Revision: 1	Page: 2 of: 4
	Approved: Date App:	Current Author: MES Rev. Date: 10/28/94

FIRE EMERGENCY RESPONSE	SECTION 4 PAGE
Hot Oil Heater Emergency Response Procedure	4.1
Operation of Foam System	4.2
Fire Protection Maintenance and Emergency Shutdown	4.4
Fire Protection System Control Valves Drawing	4.7
Fire Prevention Plan	4.8
Sprinkler Activation/No Fire	4.12

SPILL EMERGENCY PLANS	SECTION 5 PAGE
Hazardous Spill Emergency Response Procedure	5.1
Emergency Reporting Phone Numbers	5.4
Notifications for Spills/Releases	5.5
Material Hazard and Reportable Quantity Information Chart	5.7
Emergency Response Training	5.8
Decontamination	5.10
Tank List	5.15
Spill Information Reference Table	5.18
Plant Operations	5.19

AIR RELEASE EMERGENCY RESPONSE	SECTION 6 PAGE
Air Release Emergency Response Procedure	6.1

SAFETY STANDARDS AND PROCEDURES	SECTION 7 PAGE
General Plant Safety Rules	7.1
Hot Work Procedure	7.7
Lockout/Tagout of Electrical Equipment	7.15
Process Line Breaking	7.19
Confined Space Entry Procedure	7.24
Sump and Dike Draining	7.38
Respirator Program	7.50
Control Room Emergency Enunciator Panel - Key	7.58
Motor Control Center List - Building 76 (Roof)	7.59
Motor Control Center List - Building 10	7.62
Motor Control Center List - East Yard	7.64
Motor Control Center List - Building 76 (Third Floor)	7.65
Bomb Threat Procedure	7.66
Hearing Conservation Program	7.70

Training and Drills 7.72

STANDARD PRACTICES AND PROCEDURES — SECTION 8

	PROCEDURE
Unloading Bulk Raw Materials:	
a. Dicyclopentadiene	3004
b. Diethylene Glycol	3005
c. Ethylene Glycol	3006
d. Maleic Anhydride	3007
e. Neopentyl Glycol	3008
f. Phthalic Anhydride	3009
g. Propylene Glycol	3010
h. Styrene - Tankwagon Unloading	3011
i. Bulk Isophthalic	
j. Glacial Methacrylic Acid	
k. Epoxy Resin	
Rail Car Unloading Procedure	3012
Drumming Procedure	3019
NO. 2 Fuel Oil Unloading Procedure	3031
Verification of All Incoming Raw Materials	5022

DOWNSTREAM NOTIFICATION LIST — SECTION 9
List
Detailed Plant Inventory

MATERIAL SAFETY DATA SHEETS — SECTION 10

	PAGE
Tank Farm Plan Drawing	10.1
Aropol Polyester Resin	
Caustic Soda, 50%	
Chlorendic Anhydride	
Dicyclopentadiene	
Diethylene Glycol	
Dowtherm G	
Ethylene Glycol	
Fumed Silica	
Het Acid	
Hetron Polyester Resin	
Isophthalic Acid	
Karmex	
Maleic Anhydride	

Methyl Methacrylate
Neopentyl Glycol
Phthalic Anhydride
Propylene Glycol
Styrene Monomer
Glacial Methacrylic Acid
Epoxy Resin (Epon Resin 828)
Tetra Bromo Bisphenol A
Tetra Methyl Ammonium Chloride

STORM WATER/NEAR PROCESS WATER POLLUTION PREVENTION PLAN — SECTION 11

	PAGE
Definition	11.1
Waste Water Pollution Prevention Plan (WWPPP)	11.2
Overview	11.2
Sampling	11.2
Near Process Water Sump and Dike Draining Procedure #10001	11.3
Storm Water Pollution Prevention Plan (SWPPP)	11.10
Overview	11.10
SARA 313 WPC Requirements	11.10
Tank Specifications for SARA 313 WPC	11.12
Dike Capacities	11.13
Herbicide	11.14
Sampling	11.14
Field Data Sheet	11.16
Storm Water Constituent Monitoring Requirements	11.17
Inspections for WWPPP and SWPPP	11.18
Inspections	11.19
Weekly Inspection of Near Process Areas	11.20
Weekly Inspection of Waste Accumulation Areas	11.21
Weekly Inspection of Storm Water System	11.22
Training for WWPPP and SWPPP	11.23
Record Keeping for WWPPP and SWPPP	11.23
Annual Certification for WWPPP and SWPPP	11.23
Check List for Annual Audit of WWPPP and SWPPP	11.24
Non-Storm Water Discharge Certification	11.25

PPC PLAN MAP AND DRAWINGS — SECTION 12

Department of the Environment - Waste Management Administration
2500 Broening Highway Baltimore, MD 21224 NJ 9840

Hazard Wast Progra

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form approved OMB No. 2050-0039 Expires 9/30/~~94~~ 96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID NO.: PAD 9 805 522 51
Manifest Document No.: 00116
2. Page 1 of 1

Information in the shad areas is not required by Federal law.

3. Generator's Name and Mailing Address
RECEIVED AUG 17 1995
ASHLAND CHEMICAL COMPANY
ATTN: JOE ROGERS
2801 CHRISTOPHER COLUMBUS BLVD
PHILADELPHIA, PA 19148

A. State Manifest Document Number: MDC 054412(

B. State Generator's ID Number

4. Generator's Phone ( ) 215-336-6500

5. Transporter 1 (Company Name)
CLEAN HARBORS ENV. SERVICES, INC.

6. US EPA ID Number: MAD 0393222 50

C. State Transporter's ID: HWH 0160
Vehicle Sticker Number: 95A2651 DC N/A

D. Transporter's Phone: 6178491800

7. Transporter 2 (Company Name)
Clean Harbors Env. Services, Inc

8. US EPA ID Number: MAD 039322250

E. State Transporter's ID: HWH 160
Vehicle Sticker Number: 95A2651 DC 917

F. Transporter's Phone

9. Designated Facility Name and Site Address
CLEAN HARBORS OF BALTIMORE, INC
1910 RUSSELL ST.
BALTIMORE, MD 21230

G. State Facility ID: A-151

H. Facility's Phone: 410 244 8 20
WO#: NJ9840

10. US EPA ID Number: MDD 9 805 551 89

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit W/Vol	I. Waste N
a. HAZARDOUS WASTE SOLID, N.O.S. (PHTHALIC ANHYDRIDE), 9, NA3077, PGIII	003	DM	000830	P	U19
b. WASTE CORROSIVE LIQUIDS, N.O.S. (SODIUM HYDROXIDE), 8, UN1760, PGII	006	DM	003800	P	D00
c. WASTE FLAMMABLE LIQUIDS N.O.S. (CONTAINS STYRENE), 3 UN1993, PG III	001	DM	000300	P	D00
d.					

J. Additional Description for Materials Listed Above

	HAZ CODE	Physical State	Specific Gravity	Percentage		HAZ CODE	Physical State	Specific Gravity	Percentage
a.	T	S	•	%	c.	I	SL	•	%
b.	E	SL	•	%	d.			•	%

K. Handling Codes for Waste Listed Above
a. S c. S
b. S d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: 1-800-OIL-TANK (645-8265)
11a U49762
11b U39845 D007, D008
11c U-49759
11d
PAAH 0312

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and Maryland Statutes or Regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Joseph V Rogers
Signature: Joseph V Rogers
Date: 071395

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: FRANK RICCIARDELLI
Signature: Frank Ricciardelli
Date: 071395

18. Transporter 2 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: STUART R Gammage Jr
Signature: Stuart R Gammage Jr
Date: 071495

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Andrew Hudson
Signature: [signature]
Date: 071495

In case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 631-3400. Nights and Holidays at (410) 974-3551

EPA Form 8700-22 (10-91)
Previous editions are obsolete.

COPY 3 — FACILITY: DETACH & RETURN THIS COPY TO GENERATOR

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1 ADDENDUM

Manifest No. MDC 0544120

SECTION I. UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S)

[ ] Check here if one or more of the constituents listed in Section IV below are reasonably expected to be present as an "underlying hazardous constituent" in the waste. Then in Section IV, check off each constituent. Note that per the definition of UHC in 40 CFR 268.2, vanadium and zinc are NOT regulated as UHC's.

[✓] Check here if NONE of the UHC constituents listed in Section IV are expected to be present in the waste.

SECTION II. MULTI-SOURCE LEACHATE (WASTE CODE F039)

[ ] Check here if one or more of the constituents listed in Section IV are present as a constituent in the multi-source leachate (F039) waste. Then in Section IV below, check off each constituent. Note that constituents which are identified by an asterisk (*) are NOT regulated as F039 constituents.

[ ] Check here if NONE of the F039 constituents listed in Section IV are present in the waste.

SECTION III. HAZARDOUS DEBRIS CONTAMINANTS SUBJECT TO TREATMENT (CSTT)

[ ] Check here if one or more of the constituents listed in Section IV is a CSTT for hazardous debris that is intended for treatment using the alternate treatment technologies in 40 CFR 268.45. To identify CSTT's, refer to the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40. Then, in Section IV below, check off the constituents that appear for each waste code used to identify the debris.

[ ] Check here if the entry in the "Regulated Hazardous Constituent" column in the Treatment Standard Table in 40 CFR 268.40 is "Not Applicable", i.e. D001, D002, and D003 (non-cyanides subcategories only).

SECTION IV. LIST OF CONSTITUENTS - INCLUDE MANIFEST LINE ITEM

34. _____ [ ] Acenaphthylene
35. _____ [ ] Acenaphthene
36. _____ [ ] Acetone
37. _____ [ ] Acetonitrile
38. _____ [ ] Acetophenone
39. _____ [ ] 2-Acetylaminofluorene
40. _____ [ ] Acrolein
41. _____ [ ] Acrylamide (*)
42. _____ [ ] Acrylonitrile
43. _____ [ ] Aldrin
44. _____ [ ] 4-Aminobiphenyl
45. _____ [ ] Aniline
46. _____ [ ] Anthracene
47. _____ [ ] Antimony
48. _____ [ ] Aramite
49. _____ [ ] Arsenic
50. _____ [ ] alpha-BHC
51. _____ [ ] beta-BHC
52. _____ [ ] delta-BHC
53. _____ [ ] gamma-BHC
54. _____ [ ] Barium
55. _____ [ ] Benzene
56. _____ [ ] Benz(a)anthracene
57. _____ [ ] Benzal chloride (*)
58. _____ [ ] Benzo(b)fluoranthene (difficult to distinguish from Benzo(k)fluoranthene)
59. _____ [ ] Benzo(k)fluoranthene (difficult to distinguish from Benzo(b)fluoranthene)
60. _____ [ ] Benzo(g,h,i)perylene
61. _____ [ ] Benzo(a)pyrene
62. _____ [ ] Beryllium
63. _____ [ ] Bromodichloromethane
64. _____ [ ] Bromomethane (Methyl bromide)
65. _____ [ ] 4-Bromophenyl phenyl ether
66. _____ [ ] n-Butyl alcohol
67. _____ [ ] Butyl benzyl phthalate
68. _____ [ ] 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
69. _____ [ ] Cadmium
70. _____ [ ] Carbon disulfide
71. _____ [ ] Carbon tetrachloride
72. _____ [ ] Chlordane (alpha and gamma isomers)
73. _____ [ ] p-Chloroaniline
74. _____ [ ] Chlorobenzene
75. _____ [ ] Chlorobenzilate
76. _____ [ ] 2-Chloro-1,3-butadiene
77. _____ [ ] Chlorodibromomethane
78. _____ [ ] Chloroethane
79. _____ [ ] bis(2-Chloroethoxy)methane
80. _____ [ ] bis(2-Chloroethyl)ether
81. _____ [ ] Chloroform
82. _____ [ ] bis(2-Chloroisopropyl)ether
83. _____ [ ] p-Chloro-m-cresol
84. _____ [ ] 2-Chloroethyl vinyl ether (*)
85. _____ [ ] Chloromethane (Methyl Chloride)
86. _____ [ ] 2-Chloronaphthalene
87. _____ [ ] 2-Chlorophenol
88. _____ [ ] 3-Chloropropylene
89. _____ [ ] Chromium (Total)
90. _____ [ ] Chrysene
91. _____ [ ] o-Cresol
92. _____ [ ] m-Cresol (difficult to distinguish from p-Cresol)
93. _____ [ ] p-Cresol (difficult to distinguish from o-Cresol)
94. _____ [ ] Cyanides (Total)
95. _____ [ ] Cyanides (Amenable)
96. _____ [ ] Cyclohexanone
97. _____ [ ] 1,2-Dibromo-3-chloropropane
98. _____ [ ] 1,2-Dibromoethane (Ethylene dibro
99. _____ [ ] Dibromomethane
100. _____ [ ] 2,4-Dichlorophenoxyacetic acid (2
101. _____ [ ] o,p'-DDD
102. _____ [ ] p,p'-DDD
103. _____ [ ] o,p'-DDE
104. _____ [ ] p,p'-DDE
105. _____ [ ] o,p'-DDT
106. _____ [ ] p,p'-DDT
107. _____ [ ] Dibenz(a,h)anthracene
108. _____ [ ] Dibenzo(a,e)pyrene
109. _____ [ ] m-Dichlorobenzene
110. _____ [ ] o-Dichlorobenzene
111. _____ [ ] p-Dichlorobenzene
112. _____ [ ] Dichlorodifluoromethane
113. _____ [ ] 1,1-Dichloroethane
114. _____ [ ] 1,2-Dichloroethane
115. _____ [ ] 1,1-Dichloroethylene
116. _____ [ ] trans-1,2-Dichloroethylene
117. _____ [ ] 2,4-Dichlorophenol
118. _____ [ ] 2,6-Dichlorophenol
119. _____ [ ] 1,2-Dichloropropane
120. _____ [ ] cis-1,3-Dichloropropylene
121. _____ [ ] trans-1,3-Dichloropropylene
122. _____ [ ] Dieldrin
123. _____ [ ] Diethyl phthalate
124. _____ [ ] 2,4-Dimethyl phenol
125. _____ [ ] Dimethyl phthalate
126. _____ [ ] Di-n-butyl phthalate
127. _____ [ ] 1,4-Dinitrobenzene
128. _____ [ ] 4,6-Dinitro-o-cresol
129. _____ [ ] 2,4-Dinitrophenol
130. _____ [ ] 2,4-Dinitrotoluene
131. _____ [ ] 2,6-Dinitrotoluene
132. _____ [ ] Di-n-octyl phthalate
133. _____ [ ] p-Dimethylaminoazobenzene (*)
134. _____ [ ] Di-n-propylnitrosoamine
135. _____ [ ] 1,4-Dioxane (*)
136. _____ [ ] Diphenylamine (difficult to distinguish from diphenylnitros

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

Manifest No. ANDC 0544120

SECTION IV. CALIFORNIA LIST WASTES

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
_____	Hazardous waste containing one or more of the following California List constituents:	[ ] WW [ ] Non-WW	1 2 3 4 5

[ ] ALL CALIFORNIA LIST CONSTITUENTS
[ ] Liquids with nickel greater than or equal to 134 mg/l
[ ] Liquids with thallium greater than or equal to 130 mg/l
[ ] Liquids with PCB's > or = 50 ppm
[ ] Waste containing HOC's > or = 1,000 mg/kg

SECTION V. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, U-, AND P-CODES)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
11a.	U190 / PHTHALIC ANHYDRIDE	[ ] WW [X] Non-WW	3 4 (5) 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.
[ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETIN SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION VI. CONTACT NAME AND DATE

Print Name: JOE ROGERS Date: 7-13-95

KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. Fo example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to th local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewate treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before lan disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do no discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitatio for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technolog that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contain greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treate using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES uni at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequen reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weigh total suspended solids (TSS), with the following exceptions: (1) F001-F005 wastewaters are solvent-water mixture that contain less than 1% by weight TOC or less than 1% by weight total F001-F001 solvent constituents listed in th table "Treatment Standards for Hazardous Wastes" in Section 268.40; (2) K011, K013, and K014 wastewaters contain les than 5% by weight TOC and less than 1% by weight TSS, as generated; and (3) K103 and K104 wastewaters contain les than 4% by weight TOC and less than 1% by weight TSS. [See 40 CFR 268.2(f)]

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

Manifest No. MDC 0544120

THE HAZARDOUS WASTES IDENTIFIED ON THE HAZARDOUS WASTE MANIFEST IDENTIFIED ABOVE AND BEARING THE EPA HAZARDOUS WASTE CODES LISTED BELOW ARE RESTRICTED WASTES WHICH ARE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT UNDER THE LAND DISPOSAL RESTRICTIONS, 40 CFR PART 268 AND RCRA SECTION 3004(D). IN ACCORDANCE WITH 40 CFR 268.7(A)(1), THE EPA WASTE CODE, WASTE SUBCATEGORY, AND TREATABILITY GROUPS, AS APPLICABLE, ARE INCLUDED BELOW.

INSTRUCTIONS -- COMPLETE ALL SECTIONS. REFER TO PAGE 3 OF THIS FORM FOR KEY TERMS/DEFINITIONS.
Column 1 - Line Item: Enter the manifest line item number (e.g., 11a) that corresponds to the waste code(s).
Column 2 - Waste Codes/Subcategory: Check off all applicable waste codes. For D001 through D043, also check applicable subcategory; for F001 through F005, check applicable constituents.
Column 3 - Wastewater/Non-wastewater: Check off "WW" for wastewater and "Non-WW" for non-wastewaters.
Column 4 - LDR Handling Code: Circle the appropriate handling code, as follows:

1 = The waste is a characteristic hazardous waste D001 or D002 which is intended for treatment/disposal in a CWA system, CWA-equivalent system, or Class I SDWA system. Underlying Hazardous Constituents (UHC's) are NOT required to be identified.

1A = The waste is a characteristic hazardous waste D001 High TOC Ignitable Liquids Subcategory (i.e., greater than or equal to 10% TOC). Pursuant to 40 CFR 268.40, the waste must be treated using organic recovery (RORGS) or combustion (CMBST) technology. UHC's are NOT required to be identified.

2 = The waste is a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D012-17 non-wastewater, or D018-43 which is intended for treatment/disposal in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system located in the United States. All UHC's which are reasonably expected to be present must be identified, except for D001 waste that is intended to be treated using organic recovery (RORGS) or combustion (CMBST) technologies. Identify UHC's by completing Sections I and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.

3 = The waste is a characteristic (i.e., D-code) or listed (i.e., F-, K-, U-, or P-code) hazardous waste which is intended for export and treatment/disposal at a facility located outside the United States. LDR treatment standards do not apply to hazardous waste treated/disposed in a foreign country, and per USEPA guidance, the identification of UHC's (if applicable) is not required for hazardous waste that is intended to be exported. Note however that if the exported waste is subsequently returned for treatment/disposal in the United States, all applicable LDR regulations would apply and UHC's would be required to be identified for a characteristic hazardous waste D001 (other than High TOC Ignitable Liquids), D002, D012-17 non-wastewater, or D018-43 treated/disposed in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system.

4 = The waste meets the definition of hazardous debris pursuant to 40 CFR 268.2(h) and is intended for treatment/disposal in compliance with the alternate debris treatment technologies of 40 CFR 268.45. In accordance with the requirements of 40 CFR 268.7(a)(1)(iv)(A): (1) "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45"; and (2) the contaminants subject to treatment (CSTT's) must be identified as part of this notification. Identify CSTT's by completing Sections III and IV of CHI Form LDR-1 Addendum and attach completed Addendum to this form.

5 = The waste is a characteristic waste D003-11, a characteristic waste D012-17 wastewater, or a listed (i.e., F-, K-, U-, or P-code) hazardous waste. UHC's are NOT required to be identified.

6 = The waste is a lab pack that is intended for incineration using the alternative lab pack treatment standard under 40 CFR 268.42(c). UHC's are NOT required to be identified; however, the generator must complete and attach the lab pack certification statement on CHI Form LDR-LP. Note that in accordance with 40 CFR Part 268 Appendix IV, lab packs which contain waste codes D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, and U151 are not eligible for alternative lab pack treatment standard.

SECTION I. CHARACTERISTIC WASTES D001 THROUGH D011

PLEASE NOTE CORRECTIONS

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
	[ ] D001 Ignitables, except High TOC subcategory	[ ] WW [ ] Non-WW	1 2 3 4 6
11c	[X] D001 High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	[X] Non-WW only	1A 3 6
11b.	[X] D002 Corrosives	[ ] WW [X] Non-WW	1 2 3 4 6
	[ ] D003		
	[ ] Reactive Sulfides	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] Reactive Cyanides	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] Explosives	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] Water Reactives	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] Other (per §261.23(a)(1))	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] D004 Arsenic	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] D005 Barium	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] D006		
	[ ] Cadmium	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] Cadmium Containing Batteries	[ ] Non-WW only	3 5 6
11a.	[X] D007 Chromium	[ ] WW [X] Non-WW	3 4 5 6
11b.	[X] D008		
	[X] Lead	[ ] WW [X] Non-WW	3 4 5 6
	[ ] Lead Acid Batteries	[ ] Non-WW only	3 5 6
	[ ] D009		
	[ ] Low Mercury, less than 260 mg/kg Mercury	[ ] WW [ ] Non-WW	3 4 5
	[ ] High Mercury Organic Subcategory	[ ] Non-WW only	3 4 5
	[ ] High Mercury Inorganic Subcategory	[ ] Non-WW only	3 4 5
	[ ] D010 Selenium	[ ] WW [ ] Non-WW	3 4 5 6
	[ ] D011 Silver	[ ] WW [ ] Non-WW	3 4 5 6

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION NOTIFICATION FORM LDR-1

Manifest No. MDC 0544120

SECTION II. CHARACTERISTIC WASTES D012 THROUGH D043

[ ] Check here if the waste is a D012-17 wastewater. If so, the waste must be treated using one of the treatment technologies (e.g., INCIN) specified in the Treatment Standard Table in 40 CFR 268.40. Complete Columns 1 through 3 below, and circle Handling Code 5 in Column 4. UHC's are NOT required to be identified.

[ ] Check here if the waste is a D012-17 non-wastewater or a D018-43 that is intended to be treated in a CWA system, CWA-equivalent system, or Class I SDWA system. If so, the waste is EXEMPT from the LDR regulations, and no further information is required. DO NOT complete Columns 1 through 4 below.

[ ] Check here if the waste is a D012-17 non-wastewater or D018-43 that is intended to be treated in a non-CWA system, non-CWA-equivalent system, or non-Class I SDWA system. If so, complete Columns 1 through 4 below.

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / NAME	COLUMN 3: WASTEWATER/ NON-WASTEWATER		COLUMN 4: HANDLING CODE
_____	[ ] D012 Endrin	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D013 Lindane	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D014 Methoxychlor	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D015 Toxaphene	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D016 2,4-D	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D017 2,4,5-TP (Silvex)	[ ] WW	[ ] Non-WW	2 3 4 5 6
_____	[ ] D018 Benzene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D019 Carbon tetrachloride	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D020 Chlordane	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D021 Chlorobenzene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D022 Chloroform	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D023 o-Cresol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D024 m-Cresol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D025 p-Cresol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D026 Cresol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D027 1,4-Dichlorobenzene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D028 1,2-Dichloroethane	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D029 1,1-Dichloroethylene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D030 2,4-Dinitrotoluene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D031 Heptachlor (and its epoxide)	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D032 Hexachlorobenzene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D033 Hexachlorobutadiene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D034 Hexachloroethane	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D035 Methyl ethyl ketone	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D036 Nitrobenzene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D037 Pentachlorophenol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D038 Pyridine	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D039 Tetrachloroethylene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D040 Trichloroethylene	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D041 2,4,5-Trichlorophenol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D042 2,4,6-Trichlorophenol	[ ] WW	[ ] Non-WW	2 3 4 6
_____	[ ] D043 Vinyl Chloride	[ ] WW	[ ] Non-WW	2 3 4 6

SECTION III. SPENT SOLVENT WASTES F001 THROUGH F005

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / CONSTITUENTS	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
_____	[ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005	[ ] WW [ ] Non-WW	3 4 5 6

_____ [ ] 1. ALL F001-F005
_____ [ ] 2. Acetone
_____ [ ] 3. Benzene
_____ [ ] 4. n-Butyl alcohol
_____ [ ] 5. Carbon disulfide
_____ [ ] 6. Carbon tetrachloride
_____ [ ] 7. Chlorobenzene
_____ [ ] 8. o-Cresol
_____ [ ] 9. m-Cresol (difficult to distinguish from p-cresol)
_____ [ ] 10. p-Cresol (difficult to distinguish from m-cresol)
_____ [ ] 11. Cresol - mixed isomers (sum of o-, m- and p-cresol)
_____ [ ] 12. Cyclohexanone
_____ [ ] 13. o-Dichlorobenzene
_____ [ ] 14. 2-Ethoxyethanol (F005 only)
_____ [ ] 15. Ethyl acetate
_____ [ ] 16. Ethyl benzene
_____ [ ] 17. Ethyl ether
_____ [ ] 18. Isobutyl alcohol
_____ [ ] 19. Methanol
_____ [ ] 20. Methylene chloride
_____ [ ] 21. Methyl ethyl ketone
_____ [ ] 22. Methyl isobutyl ketone
_____ [ ] 23. Nitrobenzene
_____ [ ] 24. 2-Nitropropane (F005 only)
_____ [ ] 25. Pyridine
_____ [ ] 26. Tetrachloroethy
_____ [ ] 27. Toluene
_____ [ ] 28. 1,1,1-Trichloro ethane
_____ [ ] 29. 1,1,2-Trichloro ethane
_____ [ ] 30. Trichloroethyle
_____ [ ] 31. 1,1,2-Trichloro 1,2,2-trifluoro
_____ [ ] 32. Trichloromonofl methane
_____ [ ] 33. Xylene - mixed (sum of o-, m-, p-xylene)

RECEIVED

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PAD980552251 Manifest Document No. 00119
2. Page 1 of 1

Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address: ASHLAND CHEMICAL CO. 2801 CHRISTOPHER COLUMBUS BLVD PHILADELPHIA PA 19148-5103

4. Generator's Phone (215) 336-6500

A. State Manifest Document Number: **NJA 2071083**

B. State Generator's ID-(Gen Site Address): SAME

5. Transporter 1 Company Name: ROLLINS ENVIRONMENTAL SERVICES (NJ) INC — US EPA ID Number: NJD053288239

C. State Trans. ID-NJDEPE: $039- Decal No.: 6066

7. Transporter 2 Company Name: US EPA ID Number:

D. Transporter's Phone: 609 467-31

E. State Trans. ID-NJDEPE: Decal No.:

9. Designated Facility Name and Site Address: ROLLINS ENVIRONMENTAL SERVICES (NJ) INC ROUTE 322 BRIDGEPORT NJ 08014 — US EPA ID Number: NJD053288239 ~~NJD98111 0166~~

F. Transporter's Phone ( )

G. State Facility's ID: NOT REQUIRED

H. Facility's Phone (609) 467-31

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No
a.	X	RQ WASTE FLAMMABLE LIQUID, N.O.S. (TOLUENE, ACETONE), 3, UN1993, PG II, (D001, F003, F005)	001	DM	00460	P	F00
b.	X	WASTE FLAMMABLE LIQUID, N.O.S. (STYRENE, METHYL METHACRYLATE), 3, UN1993, PG III, D001, RQ	001	DM	00220	P	D00
c.	X	WASTE FLAMMABLE LIQUID, N.O.S. (STYRENE, METHYL METHACRYLATE), 3, UN1993, PG III, (D001, D007) RQ	006	DM	01480	P	D00
d.	X	HAZARDOUS WASTE SOLID, N.O.S. (U190), 9, NA 3077, PG III	003	DM	00600	P	U19

J. Additional Descriptions for Materials Listed Above

a. LIT L036878 SEE ATTACHED
b. LI L036880 SEE ATTACHED
c. LIT L036882 SEE ATTACHED
d. ST L036887 SEE ATTACHED

K. Handling Codes for Wastes Listed Above

a. T03 c. T03
b. T03 d. T03

15. Special Handling Instructions and Additional Information: EMERGENCY TELEPHONE NUMBER (800) 424-9300 CHEMTR
EMERGENCY RESPONSE CODE NO. JA26; JB26; JC26; JD60
LICENSE TAG 37R602(TX) TRAILER # DP6459 PAAH 0101

16. GENERATOR'S CERTIFICATION: I hereby declare that the [illegible] are fully and accurately described [illegible] packed, marked, and labeled, and are in all [illegible] regulations.

[illegible] generator, I certify that I have a program [illegible] practicable and that I have selected the practical [illegible] to human health and the environment, OR, [illegible] waste management method that is available to [illegible]

Printed/Typed Name: JOSEPH V. ROGERS — Signature: [signature] — 09139

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: THOMAS J. McCAVILY — Signature: [signature] — 09139

18. Transporter 2 Acknowledgement of Receipt of Materials

[illegible]

19. Facility Owner or Operator Certification of receipt of hazardous [illegible]

Printed/Typed Name: Seth M Rockmacher — Signature: Seth M Rockmacher — 09139

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

RECEIVED SEP 1 0 1988

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Expires

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: PAD980552251 — Manifest Document No.: 001119

2. Page 1 of 1

Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address: ASHLAND CHEMICAL COMPANY, 2801 CHRISTOPHER COLUMBUS BLVD, PHILADELPHIA PA 19148-5103

A. State Manifest Document Number: **NJA 2071086**

4. Generator's Phone (215) 336-6500

B. State Generator's ID-(Gen. Site Address): SAME

5. Transporter 1 Company Name: Rollins Environmental Services (NJ) Inc — 6. US EPA ID Number: NJD053288239

C. State Trans. ID-NJDEPE: 5039 — Decal No.-: 606

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (609) 467-31

E. State Trans. ID-NJDEPE — Decal No.-

9. Designated Facility Name and Site Address: Rollins Environmental Services (NJ) Inc., Route 322, Bridgeport NJ 08014 — 10. US EPA ID Number: NJD053288239 ~~NJD981110166~~

F. Transporter's Phone ( )

G. State Facility's ID: NOT REQUIRED

H. Facility's Phone (609) 467-31

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	X	WASTE FLAMMABLE LIQUID, N.O.S. (STYRENE) METHYL METHACRYLATE), 3, UN1993, PG III, (D001), RQ	006	DM	02900	P	D00
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above

a. LIT L036883 SEE ATTACHED — c.

b. — d.

K. Handling Codes for Wastes Listed Above

a. T03 — c.

b. — d.

15. Special Handling Instructions and Additional Information: EMERGENCY TELEPHONE NUMBER (800) 424-9300 CHEMT. EMERGENCY RESPONSE CODE NO JA 26.

LICENSE TAG 37R602 (+Y) TRAILER # DP6459 PAAH 0101

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOSEPH V. ROGERS — Signature: [signature] — Month Day Y: 09 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Thomas J. McCarthy — Signature: [signature] — Month Day Y: 09 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

19. Discrepancy Indication Space: Item 10: Delete T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Seth M Bockmacher — Signature: Seth M Bockmacher — Month Day Y: 09 13

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIE

3. TSD MAIL TO GENERATOR

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

LDR NOTIFICATION

ROLLINS ENVIRONMENTAL SERVICES

CUSTOMER INSTRUCTIONS

1. This Land Disposal Restriction (LDR) Notification form applies to EPA RCRA Hazardous Wastes as either a wastewater or non-wastewater (including labpacks regulated under 40CFR§268, Appendix III) or a hazardous debris not meeting relevant LDR treatment standards. For labpacks using the Alternative Treatment Standards of §268.42(c) or for a waste already meeting the LDR treatment standard, please contact us for the additional or alternate notification/certification form.
2. ***Complete Sections A, B, C and D. Complete Section E only*** when instructed by either Section B below or Section D EPA Hazardous Waste Code Tables.
3. This form shall be completed in ink or typewritten. Originals can be obtained from all RES offices.

SECTION A. GENERATOR INFORMATION

1. Generator ASHLAND CHEMICAL COMPANY
2. EPA I.D. No. PAD980552251
3. Manifest No. NJA 207108
4. RES Waste Stream No. L036883

SECTION B. GENERATOR LDR NOTIFICATION (40 CFR § 268.7)

1. Notifying (Check One): ☒ RES (NJ) ☐ RES (LA) ☐ RES (TX) ☐ OPC ☐ RES of LA ☐ TET
2. Under the above RES Waste Stream No., I am shipping to you a hazardous waste as identified below under Waste Category & California List Notifications:

WASTE CATEGORY & CALIFORNIA LIST NOTIFICATIONS

Check either a, b, or c. ***Waste Category***

☐ a. A wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; ***OR***

☒ b. A non-wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; ***OR***

☐ c. A hazardous debris identified by the EPA Waste Code/subcategory that I have checked in Section D. (See EPA Definitions & Subcategory Legend below).

If applicable, check d, e, and f. ***California List Notifications***

☐ d. A D003-D011 waste containing halogenated organic compounds (HOCs) ≥1000 ppm (40 CFR § 268, Appendix III).

☐ e. A liquid hazardous waste containing polychlorinated biphenyls (PCBs) ≥50 ppm.

☐ f. A D003-D011 liquid waste containing ≥134 mg/l Nickel and/or ≥130 mg/l Thallium.

Note: If any of the above California List Notifications were checked, identify ALL UNDERLYING HAZARDOUS CONSTITUENTS (UHCs) in Section E. which can reasonably be expected to be present in the waste at a concentration above the constituent - specific treatment standard listed in 40 CFR § 268.48.

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: Joseph V. Rogers
2. Date: 09 / 13 / 95
3. Signature: Joseph V. Rogers
4. Title: Office Manager

EPA DEFINITIONS & SUBCATEGORY LEGEND

AC = Acidic (≤2 pH)	HY = Hydrated	RS = Reactive Sulfide
AK = Alkaline (≥12.5 pH)	LB = Lead Acid Battery	RX = Other Reactives
AN = Anhydrous	LM = Low Mercury (<260 mg/kg)	TOC = Total Organic Carbon
CO = Corrosive (>6.35 mm/yr)	LQ = Liquid	WR = Water Reactive
CB = Cadmium Battery	NC = Non Calcium Sulfate	WW = Wastewater (<1% TOC and <1% Total Suspended Solids)
CS = Calcium Sulfate	OX = Oxidizer	
HM = High Mercury (≥ 260 mg/kg)	RC = Reactive Cyanide	

Hazardous Debris = A solid material exceeding a 60 mm particle size (i.e., ≈ 2⅜") that is intended for disposal. The following materials are not debris: cadmium/lead acid batteries, process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or air emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (40 CFR § 268.2(g)).

RES-50-423 Rev. 1/95

SECTION D: EPA HAZARDOUS WASTE CODE TABLES

L036883

RES Waste Stream No. _____

"D" CHARACTERISTIC CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ D001 GAS	* ☐ D002 AK	☐ D006	* ☐ D012	* ☐ D020	* ☐ D028	* ☐ D036
☒ D001 LQ ≥10% TOC	* ☐ D002 CO	☐ D007	* ☐ D013	* ☐ D021	* ☐ D029	* ☐ D037
	☐ D003 RX	☐ D008	* ☐ D014	* ☐ D022	* ☐ D030	* ☐ D038
☐ D001 LQ <10% TOC	☐ D003 RC	☐ D009 HM Organics Only	* ☐ D015	* ☐ D023	* ☐ D031	* ☐ D039
	☐ D003 RS		* ☐ D016	* ☐ D024	* ☐ D032	* ☐ D040
☐ D001 OX	☐ D003 WR	☐ D009 LM	* ☐ D017	* ☐ D025	* ☐ D033	* ☐ D041
☐ D001 RX	☐ D004	☐ D010	* ☐ D018	* ☐ D026	* ☐ D034	* ☐ D042
* ☐ D002 AC	☐ D005	☐ D011	* ☐ D019	* ☐ D027	* ☐ D035	* ☐ D043

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. For D012-D017 WWs, UHCs are not applicable.

Note: Following "D" Codes acceptable only for Off-Site, Transfer & Disposal: (Unacceptable for incineration) ☐D006CB ☐D008LB ☐D009HM (inorganic)

"F" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

** ☐ F001	** ☐ F004	☐ F007	☐ F010	☐ F019	☐ F032	☐ F037
** ☐ F002	** ☐ F005	☐ F008	☐ F011	☐ F024	☐ F034	☐ F038
** ☐ F003	☐ F006	☐ F009	☐ F012	☐ F025	☐ F035	* ☐ F039

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48.

** Check in SECTION E. ALL F001 - F005 HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. (** = F001-F005 constituents in Section E.)

"K" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ K001	☐ K017	☐ K033	☐ K049	☐ K086	☐ K104	☐ K124
☐ K002	☐ K018	☐ K034	☐ K050	☐ K087	☐ K105	☐ K125
☐ K003	☐ K019	☐ K035	☐ K051	☐ K088	☐ K106 LM	☐ K126
☐ K004	☐ K020	☐ K036	☐ K052	☐ K090	☐ K107	☐ K131
☐ K005	☐ K021	☐ K037	☐ K060	☐ K091	☐ K108	☐ K132
☐ K006 AN	☐ K022	☐ K038	☐ K061	☐ K093	☐ K109	☐ K136
☐ K006 HY	☐ K023	☐ K039	☐ K062	☐ K094	☐ K110	☐ K141
☐ K007	☐ K024	☐ K040	☐ K064	☐ K095	☐ K111	☐ K142
☐ K008	☐ K025	☐ K041	☐ K065	☐ K096	☐ K112	☐ K143
☐ K009	☐ K026	☐ K042	☐ K066	☐ K097	☐ K113	☐ K144
☐ K010	☐ K027	☐ K043 (NJ only)	☐ K069 CS	☐ K098	☐ K114	☐ K145
☐ K011	☐ K028	☐ K044	☐ K071	☐ K099 (NJ only)	☐ K115	☐ K147
☐ K013	☐ K029	☐ K045	☐ K073	☐ K100	☐ K116	☐ K148
☐ K014	☐ K030	☐ K046	☐ K083	☐ K101	☐ K117	☐ K149
☐ K015	☐ K031	☐ K047	☐ K084	☐ K102	☐ K118	☐ K150
☐ K016	☐ K032	☐ K048	☐ K085	☐ K103	☐ K123	☐ K151

Note: Following "K" Codes Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ K069NC ☐ K106HM

"P" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ P001	☐ P012	☐ P026	☐ P039	☐ P050	☐ P065 LM	☐ P077
☐ P002	☐ P013	☐ P027	☐ P040	☐ P051	☐ P066	☐ P081
☐ P003	☐ P014	☐ P028	☐ P041	☐ P054	☐ P067	☐ P082
☐ P004	☐ P016	☐ P029	☐ P042	☐ P056	☐ P068	☐ P084
☐ P005	☐ P017	☐ P030	☐ P043	☐ P057	☐ P069	☐ P085
☐ P006	☐ P018	☐ P031	☐ P044	☐ P058	☐ P070	☐ P088
☐ P007	☐ P020	☐ P033	☐ P045	☐ P059	☐ P071	☐ P089
☐ P008	☐ P021	☐ P034	☐ P046	☐ P060	☐ P072	☐ P092 LM
☐ P009	☐ P022	☐ P036	☐ P047	☐ P062	☐ P073	☐ P093
☐ P010	☐ P023	☐ P037	☐ P048	☐ P063	☐ P074	☐ P094
☐ P011	☐ P024	☐ P038	☐ P049	☐ P064	☐ P075	☐ P095

SECTION D. (Continued)

RES Waste Stream No. L036883

☐ P096	☐ P101	☐ P105	☐ P110	☐ P114	☐ P119	☐ P123
☐ P097	☐ P102	☐ P106	☐ P111	☐ P115	☐ P120	
☐ P098	☐ P103	☐ P108	☐ P112	☐ P116	☐ P121	
☐ P099	☐ P104	☐ P109	☐ P113	☐ P118	☐ P122	

Note: Following "P" Codes Acceptable only for Off-Site Transfer and Disposal: ☐ P015 ☐ P065 HM ☐ P076 ☐ P078 ☐ P087 ☐ P092 HM

Check All Applicable Waste Codes

"U" LISTED CODES

Check All Applicable Waste Codes

☐ U001	☐ U037	☐ U075	☐ U112	☐ U148	☐ U184	☐ U223
☐ U002	☐ U038	☐ U076	☐ U113	☐ U149	☐ U185	☐ U225
☐ U003	☐ U039	☐ U077	☐ U114	☐ U150	☐ U186	☐ U226
☐ U004	☐ U041	☐ U078	☐ U115	☐ U151 LM	☐ U187	☐ U227
☐ U005	☐ U042	☐ U079	☐ U116	☐ U152	☐ U188	☐ U228
☐ U006	☐ U043	☐ U080	☐ U117	☐ U153	☐ U189	☐ U234
☐ U007	☐ U044	☐ U081	☐ U118	☐ U154	☐ U190	☐ U235 (NJ only)
☐ U008	☐ U045	☐ U082	☐ U119	☐ U155	☐ U191	☐ U236
☐ U009	☐ U046	☐ U083	☐ U120	☐ U156	☐ U192	☐ U237
☐ U010	☐ U047	☐ U084	☐ U121	☐ U157	☐ U193	☐ U238
☐ U011	☐ U048	☐ U085	☐ U122	☐ U158	☐ U194	☐ U239
☐ U012	☐ U049	☐ U086	☐ U123	☐ U159	☐ U196	☐ U240
☐ U014	☐ U050	☐ U087	☐ U124	☐ U160	☐ U197	☐ U243
☐ U015	☐ U051	☐ U088	☐ U125	☐ U161	☐ U200	☐ U244
☐ U016	☐ U052	☐ U089	☐ U126	☐ U162	☐ U201	☐ U246
☐ U017	☐ U053	☐ U090	☐ U127	☐ U163	☐ U202	☐ U247
☐ U018	☐ U055	☐ U091	☐ U128	☐ U164	☐ U203	☐ U248
☐ U019	☐ U056	☐ U092	☐ U129	☐ U165	☐ U204	☐ U249
☐ U020	☐ U057	☐ U093	☐ U130	☐ U166	☐ U205	☐ U328
☐ U021	☐ U058	☐ U094	☐ U131	☐ U167	☐ U206	☐ U353
☐ U022	☐ U059	☐ U095	☐ U132	☐ U168	☐ U207	☐ U359
☐ U023	☐ U060	☐ U096	☐ U133	☐ U169	☐ U208	
☐ U024	☐ U061	☐ U097	☐ U134	☐ U170	☐ U209	
☐ U025	☐ U062	☐ U098	☐ U135	☐ U171	☐ U210	
☐ U026	☐ U063	☐ U099	☐ U136	☐ U172	☐ U211	
☐ U027	☐ U064	☐ U101	☐ U137	☐ U173	☐ U213	
☐ U028	☐ U066	☐ U102	☐ U138	☐ U174	☐ U214	
☐ U029	☐ U067	☐ U103	☐ U140	☐ U176	☐ U215	
☐ U030	☐ U068	☐ U105	☐ U141	☐ U177	☐ U216	
☐ U031	☐ U069	☐ U106	☐ U142	☐ U178	☐ U217	
☐ U032	☐ U070	☐ U107	☐ U143	☐ U179	☐ U218	
☐ U033	☐ U071	☐ U108	☐ U144	☐ U180	☐ U219	
☐ U034	☐ U072	☐ U109	☐ U145	☐ U181	☐ U220	
☐ U035	☐ U073	☐ U110	☐ U146	☐ U182	☐ U221	
☐ U036	☐ U074	☐ U111	☐ U147	☐ U183	☐ U222	

Note: Following "U" Code Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ U151 HM

OTHER RES INCINERATION UNACCEPTABLES

Unacceptable EPA Waste Codes (Permit Restricted)

- D003 Explosives
- D002, D004-D011 (High level radioactive wastes from processing of fuel rods).
- The following "F" Listed Dioxin Waste Codes:
  - F020
  - F021
  - F022
  - F023
  - F026
  - F027
  - F028

Unacceptable Hazardous Constituents

The following Dioxins constituents are unacceptable above the LDR treatment standard:

- All HxCDDs
- All HxCDFs
- All PeCDDs
- All PeCDFs
- All TCDDs
- All TCDFs

- Kepone in any concentration is unacceptable at RES (NJ).

Note: Acceptance of the Dioxin constituents in non-listed Dioxin Wastes are on a case-by-case basis.

SECTION E. UNDERLYING HAZARDOUS CONSTITUENTS (UHCs) L036883

(40 CFR§268.48) *RES Waste Stream No.* _____

INORGANIC CONSTITUENTS

Check all Applicable Constituents

- ☐ Antimony
- ☐ Arsenic
- ☐ BARIUM
- ☐ BERYLLIUM
- ☐ Cadmium
- ☐ Chromium
- ☐ Cyanides (Total)
- ☐ Cyanides (Amenable)
- ☐ Fluoride
- ☐ Lead
- ☐ Mercury
- ☐ Nickel
- ☐ SELENIUM
- ☐ Silver
- ☐ Sulfide
- ☐ THALLIUM
- ☐ Vanadium (Not an Underlying Hazardous Constituent except in F039 wastewaters)

ORGANIC ACCEPTABLE CONSTITUENTS

Check all Applicable Constituents

- ☐ Acenaphthylene
- ☐ Acenaphthene
- ** ☐ *Acetone*
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ** ☐ *Benzene*
- ☐ Benz(a)anthracene
- ☐ Benzal chloride
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Methyl bromide (Bromomethane)
- ☐ 4-Bromophenyl phenyl ether
- ** ☐ *n-Butyl alcohol*
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ** ☐ *CARBON DISULFIDE*
- ** ☐ *Carbon tetrachloride*
- ☐ Chlordane (alpha & gamma isomers)
- ☐ p-Chloroaniline
- ** ☐ *Chlorobenzene*
- ☐ Chlorobenzilate
- ☐ 2-Chloro-1,3-butadiene
- ☐ Chlorodibromethane
- ☐ Chloroethane
- ☐ bis(2-Chloroethoxy)methane
- ☐ bis(2-chloroethyl)ether
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl)ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether
- ☐ Chloromethane (Methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ** ☐ *o-Cresol*
- ** ☐ *m-Cresol*
- ** ☐ *p-Cresol*
- ** ☐ *CYCLOHEXANONE*
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ Ethylene dibromide (1,2-Dibromoethane)
- ☐ Dibromomethane
- ☐ 2,4,D (2-4-Dichlorophenoxyacetic acid)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h)anthracene
- ☐ Dibenz(a,e)pyrene
- ☐ m-Dichlorobenzene
- ** ☐ *o-Dichlorobenzene*
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans,1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis-1,3-Dichloropropylene
- ☐ trans-1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ p-Dimethylaminoazobenzene
- ☐ Di-n-propylnitrosamine
- ☐ 1,4-Dioxane
- ☐ Diphenylamine
- ☐ Diphenylnitrosamine
- ☐ 1,2-Diphenylhydrazine
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ** ☐ *Ethyl acetate*
- ☐ Ethyl cyanide (Propanenitrile)
- ** ☐ *Ethyl benzene*
- ** ☐ *Ethyl ether*
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno (1,2,3-c,d) pyrene
- ☐ Iodomethane
- ** ☐ *Isobutyl alcohol*
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ** ☐ *METHANOL*
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene bis (2-chloroaniline)
- ** ☐ *Methylene chloride*
- ** ☐ *Methyl ethyl ketone*
- ** ☐ *Methyl isobutyl ketone*
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline
- ☐ p-Nitroaniline
- ** ☐ *Nitrobenzene*
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodimethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ TOTAL PCBs
- ☐ Pentachlorobenzene
- ☐ Pentachloroethane
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Pyrene
- ** ☐ *Pyridine*
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5-Trichloro phenoxy-acetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ** ☐ *Tetrachloroethylene*
- ☐ 2,3,4,6-Tetrachlorophenol
- ** ☐ *Toluene*
- ☐ Toxaphene
- ☐ Bromoform (Tribromomethane)
- ☐ 1,2,4-Trichlorobenzene
- ** ☐ *1,1,1-Trichloroethane*
- ** ☐ *1,1,2-Trichloroethane*
- ** ☐ *Trichloroethylene*
- ** ☐ *Trichloromonofluoromethane*
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorphenol
- ☐ 1,2,3-Trichloropropane
- ** ☐ *1,1,2-Trichloro-1,2,2,-trifluoro-ethane*
- ☐ TRIS-(2,3-DIBROMOPROPYL) PHOSPHATE (RES INJI only)
- ☐ Vinyl chloride
- ** ☐ *Xylenes-total mixed isomers*

Note: Constituents in bold type have been highlighted for RES purposes only.

LDR NOTIFICATION

ROLLINS ENVIRONMENTAL SERVICES

CUSTOMER INSTRUCTIONS

1. This Land Disposal Restriction (LDR) Notification form applies to EPA RCRA Hazardous Wastes as either a wastewater or non-wastewater (including labpacks regulated under 40CFR§268, Appendix IV) or a hazardous debris not meeting relevant LDR treatment standards. For labpacks using the Alternative Treatment Standards of §268.42(c) or for a waste already meeting the LDR treatment standard, please contact us for the additional or alternate notification/certification form.
2. *Complete Sections A, B, C and D. Complete Section E only* when instructed by either Section B below or Section D EPA Hazardous Waste Code Tables.
3. This form shall be completed in ink or typewritten. Originals can be obtained from all RES offices.

SECTION A. GENERATOR INFORMATION

1. Generator: ASHLAND CHEMICAL COMPANY
2. EPA I.D. No.: PAD980552251
3. Manifest No.: NJA 207083 00119
4. RES Waste Stream No.: L036887

SECTION B. GENERATOR LDR NOTIFICATION (40 CFR § 268.7)

1. Notifying (Check One): ☒ RES (NJ) ☐ RES (LA) ☐ RES (TX) ☐ OPC ☐ RES of LA ☐ TET
2. Under the above RES Waste Stream No., I am shipping to you a hazardous waste as identified below under Waste Category & California List Notifications:

WASTE CATEGORY & CALIFORNIA LIST NOTIFICATIONS

Check either a, b, or c. ***Waste Category***

☐ a. A wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☒ b. A non-wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☐ c. A hazardous debris identified by the EPA Waste Code/subcategory that I have checked in Section D. (See EPA Definitions & Subcategory Legend below).

If applicable, check d, e, and f. ***California List Notifications***

☐ d. A D003-D011 waste containing halogenated organic compounds (HOCs) ≥1000 ppm (40 CFR § 268, Appendix III).

☐ e. A liquid hazardous waste containing polychlorinated biphenyls (PCBs) ≥50 ppm.

☐ f. A D003-D011 liquid waste containing ≥134 mg/l Nickel and/or ≥130 mg/l Thallium.

Note: If any of the above California List Notifications were checked, identify ALL UNDERLYING HAZARDOUS CONSTITUENTS (UHCs) in Section E. which can reasonably be expected to be present in the waste at a concentration above the constituent - specific treatment standard listed in 40 CFR § 268.48.

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: Joseph V. Rogers
2. Date: 09 / 13 / 95
3. Signature: Joseph V. Rogers
4. Title: Office Manager

EPA DEFINITIONS & SUBCATEGORY LEGEND

AC	= Acidic (≤2 pH)	HY	= Hydrated	RS	= Reactive Sulfide
AK	= Alkaline (≥12.5 pH)	LB	= Lead Acid Battery	RX	= Other Reactives
AN	= Anhydrous	LM	= Low Mercury (<260 mg/kg)	TOC	= Total Organic Carbon
CO	= Corrosive (>6.35 mm/yr)	LQ	= Liquid	WR	= Water Reactive
CB	= Cadmium Battery	NC	= Non Calcium Sulfate	WW	= Wastewater (<1% TOC and <1% Total Suspended Solids)
CS	= Calcium Sulfate	OX	= Oxidizer		
HM	= High Mercury (≥ 260 mg/kg)	RC	= Reactive Cyanide		

Hazardous Debris = A solid material exceeding a 60 mm particle size (i.e., ≈ 2⅜") that is intended for disposal. The following materials are not debris: cadmium/lead acid batteries, process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or air emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (40 CFR § 268.2(g)).

SECTION D: EPA HAZARDOUS WASTE CODE TABLES

RES Waste Stream No. L036887

Check All Applicable Waste Codes — *"D" CHARACTERISTIC CODES* — Check All Applicable Waste Cod

☐ D001 GAS	* ☐ D002 AK	☐ D006	* ☐ D012	* ☐ D020	* ☐ D028	* ☐ D036
☐ D001 LQ ≥10% TOC	* ☐ D002 CO	☐ D007	* ☐ D013	* ☐ D021	* ☐ D029	* ☐ D037
	☐ D003 RX	☐ D008	* ☐ D014	* ☐ D022	* ☐ D030	* ☐ D038
☐ D001 LQ <10% TOC	☐ D003 RC	☐ D009 HM Organics Only	* ☐ D015	* ☐ D023	* ☐ D031	* ☐ D039
	☐ D003 RS		* ☐ D016	* ☐ D024	* ☐ D032	* ☐ D040
☐ D001 OX	☐ D003 WR	☐ D009 LM	* ☐ D017	* ☐ D025	* ☐ D033	* ☐ D041
☐ D001 RX	☐ D004	☐ D010	* ☐ D018	* ☐ D026	* ☐ D034	* ☐ D042
* ☐ D002 AC	☐ D005	☐ D011	* ☐ D019	* ☐ D027	* ☐ D035	* ☐ D043

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. For D012-D017 WWs, UHCs are not applicable.

Note: Following "D" Codes acceptable only for Off-Site, Transfer & Disposal: (Unacceptable for incineration) ☐D006CB ☐D008LB ☐D009HM (inorganic

Check All Applicable Waste Codes — *"F" LISTED CODES* — Check All Applicable Waste Code

** ☐ F001	** ☐ F004	☐ F007	☐ F010	☐ F019	☐ F032	☐ F037
** ☐ F002	** ☐ F005	☐ F008	☐ F011	☐ F024	☐ F034	☐ F038
** ☐ F003	☐ F006	☐ F009	☐ F012	☐ F025	☐ F035	* ☐ F039

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48.

** Check in SECTION E. ALL F001 - F005 HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. (** = F001-F005 constituents in Section E.)

Check All Applicable Waste Codes — *"K" LISTED CODES* — Check All Applicable Waste Code

☐ K001	☐ K017	☐ K033	☐ K049	☐ K086	☐ K104	☐ K124
☐ K002	☐ K018	☐ K034	☐ K050	☐ K087	☐ K105	☐ K125
☐ K003	☐ K019	☐ K035	☐ K051	☐ K088	☐ K106 LM	☐ K126
☐ K004	☐ K020	☐ K036	☐ K052	☐ K090	☐ K107	☐ K131
☐ K005	☐ K021	☐ K037	☐ K060	☐ K091	☐ K108	☐ K132
☐ K006 AN	☐ K022	☐ K038	☐ K061	☐ K093	☐ K109	☐ K136
☐ K006 HY	☐ K023	☐ K039	☐ K062	☐ K094	☐ K110	☐ K141
☐ K007	☐ K024	☐ K040	☐ K064	☐ K095	☐ K111	☐ K142
☐ K008	☐ K025	☐ K041	☐ K065	☐ K096	☐ K112	☐ K143
☐ K009	☐ K026	☐ K042	☐ K066	☐ K097	☐ K113	☐ K144
☐ K010	☐ K027	☐ K043 (NU only)	☐ K069 CS	☐ K098	☐ K114	☐ K145
☐ K011	☐ K028	☐ K044	☐ K071	☐ K099 (NU only)	☐ K115	☐ K147
☐ K013	☐ K029	☐ K045	☐ K073	☐ K100	☐ K116	☐ K148
☐ K014	☐ K030	☐ K046	☐ K083	☐ K101	☐ K117	☐ K149
☐ K015	☐ K031	☐ K047	☐ K084	☐ K102	☐ K118	☐ K150
☐ K016	☐ K032	☐ K048	☐ K085	☐ K103	☐ K123	☐ K151

Note: Following "K" Codes Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ K069NC ☐ K106HM

Check All Applicable Waste Codes — *"P" LISTED CODES* — Check All Applicable Waste Code

☐ P001	☐ P012	☐ P026	☐ P039	☐ P050	☐ P065 LM	☐ P077
☐ P002	☐ P013	☐ P027	☐ P040	☐ P051	☐ P066	☐ P081
☐ P003	☐ P014	☐ P028	☐ P041	☐ P054	☐ P067	☐ P082
☐ P004	☐ P016	☐ P029	☐ P042	☐ P056	☐ P068	☐ P084
☐ P005	☐ P017	☐ P030	☐ P043	☐ P057	☐ P069	☐ P085
☐ P006	☐ P018	☐ P031	☐ P044	☐ P058	☐ P070	☐ P088
☐ P007	☐ P020	[illegible] 33	☐ P045	☐ P059	☐ P071	☐ P089
☐ P008	☐ P021	[illegible] 34	☐ P046	☐ P060	☐ P072	☐ P092 LM
☐ P009	☐ P022	☐ P036	☐ P047	☐ P062	☐ P073	☐ P093
☐ P010	☐ P023	[illegible] 37	☐ P048	☐ P063	☐ P074	☐ P094
☐ P011	☐ P024	☐ P038	☐ P049	☐ P064	☐ P075	☐ P095

SECTION D. (Continued)

RES Waste Stream No. LU36887

☐ P096	☐ P101	☐ P105	☐ P110	☐ P114	☐ P119	☐ P123
☐ P097	☐ P102	☐ P106	☐ P111	☐ P115	☐ P120	
☐ P098	☐ P103	☐ P108	☐ P112	☐ P116	☐ P121	
☐ P099	☐ P104	☐ P109	☐ P113	☐ P118	☐ P122	

Note: Following "P" Codes Acceptable only for Off-Site Transfer and Disposal: ☐ P015 ☐ P065 HM ☐ P075 ☐ P078 ☐ P087 ☐ P092 HM

Check All Applicable Waste Codes

"U" LISTED CODES

Check All Applicable Waste Codes

☐ U001	☐ U037	☐ U075	☐ U112	☐ U148	☐ U184	☐ U223
☐ U002	☐ U038	☐ U076	☐ U113	☐ U149	☐ U185	☐ U225
☐ U003	☐ U039	☐ U077	☐ U114	☐ U150	☐ U186	☐ U226
☐ U004	☐ U041	☐ U078	☐ U115	☐ U151 LM	☐ U187	☐ U227
☐ U005	☐ U042	☐ U079	☐ U116	☐ U152	☐ U188	☐ U228
☐ U006	☐ U043	☐ U080	☐ U117	☐ U153	☐ U189	☐ U234
☐ U007	☐ U044	☐ U081	☐ U118	☐ U154	☒ U190	☐ U235 (NJ only)
☐ U008	☐ U045	☐ U082	☐ U119	☐ U155	☐ U191	☐ U236
☐ U009	☐ U046	☐ U083	☐ U120	☐ U156	☐ U192	☐ U237
☐ U010	☐ U047	☐ U084	☐ U121	☐ U157	☐ U193	☐ U238
☐ U011	☐ U048	☐ U085	☐ U122	☐ U158	☐ U194	☐ U239
☐ U012	☐ U049	☐ U086	☐ U123	☐ U159	☐ U196	☐ U240
☐ U014	☐ U050	☐ U087	☐ U124	☐ U160	☐ U197	☐ U243
☐ U015	☐ U051	☐ U088	☐ U125	☐ U161	☐ U200	☐ U244
☐ U016	☐ U052	☐ U089	☐ U126	☐ U162	☐ U201	☐ U246
☐ U017	☐ U053	☐ U090	☐ U127	☐ U163	☐ U202	☐ U247
☐ U018	☐ U055	☐ U091	☐ U128	☐ U164	☐ U203	☐ U248
☐ U019	☐ U056	☐ U092	☐ U129	☐ U165	☐ U204	☐ U249
☐ U020	☐ U057	☐ U093	☐ U130	☐ U166	☐ U205	☐ U328
☐ U021	☐ U058	☐ U094	☐ U131	☐ U167	☐ U206	☐ U353
☐ U022	☐ U059	☐ U095	☐ U132	☐ U168	☐ U207	☐ U359
☐ U023	☐ U060	☐ U096	☐ U133	☐ U169	☐ U208	
☐ U024	☐ U061	☐ U097	☐ U134	☐ U170	☐ U209	
☐ U025	☐ U062	☐ U098	☐ U135	☐ U171	☐ U210	
☐ U026	☐ U063	☐ U099	☐ U136	☐ U172	☐ U211	
☐ U027	☐ U064	☐ U101	☐ U137	☐ U173	☐ U213	
☐ U028	☐ U066	☐ U102	☐ U138	☐ U174	☐ U214	
☐ U029	☐ U067	☐ U103	☐ U140	☐ U176	☐ U215	
☐ U030	☐ U068	☐ U105	☐ U141	☐ U177	☐ U216	
☐ U031	☐ U069	☐ U106	☐ U142	☐ U178	☐ U217	
☐ U032	☐ U070	☐ U107	☐ U143	☐ U179	☐ U218	
☐ U033	☐ U071	☐ U108	☐ U144	☐ U180	☐ U219	
☐ U034	☐ U072	☐ U109	☐ U145	☐ U181	☐ U220	
☐ U035	☐ U073	☐ U110	☐ U146	☐ U182	☐ U221	
☐ U036	☐ U074	☐ U111	☐ U147	☐ U183	☐ U222	

Note: Following "U" Code Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ U151 HM

OTHER RES INCINERATION UNACCEPTABLES

Unacceptable EPA Waste Codes (Permit Restricted)

- D003 Explosives
- D002, D004-D011 (High level radioactive wastes from processing of fuel rods).
- The following "F" Listed Dioxin Waste Codes:
  - F020
  - F021
  - F022
  - F023
  - F026
  - F027
  - F028

Unacceptable Hazardous Constituents

The following Dioxins constituents are unacceptable above the LDR treatment standard:

- All HxCDDs
- All HxCDFs
- All PeCDDs
- All PeCDFs
- All TCDDs
- All TCDFs

- Kepone in any concentration is unacceptable at RES (NJ).

Note: Acceptance of the Dioxin con[illegible]nts in non-listed Dioxin Wastes are on a case-by-case basis.

SECTION E. UNDERLYING HAZARDOUS CONSTITUENTS (UHCs)

L0368

(40 CFR§268.48) RES Waste Stream No. _____

INORGANIC CONSTITUENTS

Check all Applicable Constituents

- ☐ Antimony
- ☐ Arsenic
- ☐ BARIUM
- ☐ BERYLLIUM
- ☐ Cadmium
- ☐ Chromium
- ☐ Cyanides (Total)
- ☐ Cyanides (Amenable)
- ☐ Fluoride
- ☐ Lead
- ☐ Mercury
- ☐ Nickel
- ☐ SELENIUM
- ☐ Silver
- ☐ Sulfide
- ☐ THALLIUM
- ☐ Vanadium (Not an Underlyin Hazardous Constituent ex in F[illegible] wastewaters)

ORGANIC ACCEPTABLE CONSTITUENTS

Check all Applicable Constituents

- ☐ Acenaphthylene
- ☐ Acenaphthene
- ** ☐ *Acetone*
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ** ☐ *Benzene*
- ☐ Benz(a)anthracene
- ☐ Benzal chloride
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Methyl bromide (Bromomethane)
- ☐ 4-Bromophenyl phenyl ether
- ** ☐ *n-Butyl alcohol*
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ** ☐ ***CARBON DISULFIDE***
- ** ☐ *Carbon tetrachloride*
- ☐ Chlordane(alpha & gamma isomers)
- ☐ p-Chloroaniline
- ** ☐ *Chlorobenzene*
- ☐ Chlorobenzilate
- ☐ 2-Chloro-1,3-butadiene
- ☐ Chlorodibromethane
- ☐ Chloroethane
- ☐ bis(2-Chloroethoxy)methane
- ☐ bis(2-chloroethyl)ether
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl)ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether
- ☐ Chloromethane (Methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ** ☐ *o-Cresol*
- ** ☐ *m-Cresol*
- ** ☐ *p-Cresol*
- ** ☐ ***CYCLOHEXANONE***
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ Ethylene dibromide (1,2-Dibromoethane)
- ☐ Dibromomethane
- ☐ 2,4,D (2-4-Dichlorophenoxyacetic acid)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h)anthracene
- ☐ Dibenz(a,e)pyrene
- ☐ m-Dichlorobenzene
- ** ☐ *o-Dichlorobenzene*
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans,1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis-1,3-Dichloropropylene
- ☐ trans-1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ p-Dimethylaminoazobenzene
- ☐ Di-n-propylnitrosamine
- ☐ 1,4-Dioxane
- ☐ Diphenylamine
- ☐ Diphenylnitrosamine
- ☐ 1,2-Diphenylhydrazine
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ** ☐ *Ethyl acetate*
- ☐ Ethyl cyanide (Propanenitrile)
- ** ☐ *Ethyl benzene*
- ** ☐ *Ethyl ether*
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno (1,2,3-c,d) pyrene
- ☐ Iodomethane
- ** ☐ *Isobutyl alcohol*
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ** ☐ ***METHANOL***
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene bis (2-chloroaniline)
- ** ☐ *Methylene chloride*
- ** ☐ *Methyl ethyl ketone*
- ** ☐ *Methyl isobutyl ketone*
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline
- ☐ p-Nitroaniline
- ** ☐ *Nitrobenzene*
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodimethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ TOTAL PCBs
- ☐ Pentachlorobenzene
- ☐ Pentachloroethane
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Pyrene
- ** ☐ *Pyridine*
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5-Trichloro phenoxy-acetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ** ☐ *Tetrachloroethylene*
- ☐ 2,3,4,6-Tetrachlorophenol
- ** ☐ *Toluene*
- ☐ Toxaphene
- ☐ Bromoform (Tribromomethane)
- ☐ 1,2,4-Trichlorobenzene
- ** ☐ *1,1,1-Trichloroethane*
- ** ☐ *1,1,2-Trichloroethane*
- ** ☐ *Trichloroethylene*
- ** ☐ *Trichloromonofluoromethane*
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorphenol
- ☐ 1,2,3-Trichloropropane
- ** ☐ *1,1,2-Trichloro-1,2,2,-trifluoro-ethane*
- ☐ TRIS-(2,3-DIBROMOPROPYL) PHOSPHATE (RES INJ only)
- ☐ Vinyl chloride
- ** ☐ *Xylenes-total mixed isomers*

Note: Constituents in bold type have been highlighted for RES purposes only.

LDR NOTIFICATION

ROLLI ENVIRONMENTAL

CUSTOMER INSTRUCTIONS

1. This Land Disposal Restriction (LDR) Notification form applies to EPA RCRA Hazardous Wastes as either a wast or non-wastewater (including labpacks regulated under 40CFR§268, Appendix IV) or a hazardous debris not m relevant LDR treatment standards. For labpacks using the Alternative Treatment Standards of §268.42(c) or for a already meeting the LDR treatment standard, please contact us for the additional or alternate notification/certificatior
2. *Complete Sections A, B, C and D. Complete Section E only* when instructed by either Section B below or Sect EPA Hazardous Waste Code Tables.
3. This form shall be completed in ink or typewritten. Originals can be obtained from all RES offices.

SECTION A. GENERATOR INFORMATION

1. Generator ASHLAND CHEMICAL COMPANY 2. EPA I.D. No. PAD980552251
3. Manifest No. NJA 207/083 / 00119 4. RES Waste Stream No. L036878

SECTION B. GENERATOR LDR NOTIFICATION (40 CFR § 268.7)

1. Notifying (Check One): ☒ RES (NJ) ☐ RES (LA) ☐ RES (TX) ☐ OPC ☐ RES of LA ☐ TET
2. Under the above RES Waste Stream No., I am shipping to you a hazardous waste as identified below under Waste Ca & California List Notifications:

WASTE CATEGORY & CALIFORNIA LIST NOTIFICATIONS

Check either a, b, or c. ***Waste Category***

☐ a. A wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☒ b. A non-wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☐ c. A hazardous debris identified by the EPA Waste Code/subcategory that I have checked in Section D. (See Definitions & Subcategory Legend below).

If applicable, check d, e, and f. ***California List Notifications***

☐ d. A D003-D011 waste containing halogenated organic compounds (HOCs) ≥1000 ppm (40 CFR § 268, Appe III).

☐ e. A liquid hazardous waste containing polychlorinated biphenyls (PCBs) ≥50 ppm.

☐ f. A D003-D011 liquid waste containing ≥134 mg/l Nickel and/or ≥130 mg/l Thallium.

Note: If any of the above California List Notifications were checked, identify ALL UNDERLYING HAZARDC CONSTITUENTS (UHCs) in Section E. which can reasonably be expected to be present in the waste a concentration above the constituent - specific treatment standard listed in 40 CFR § 268.48.

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a corr and accurate identification of this waste material.

1. Print or Type Name: Joseph V. Rogers 2. Date: 09 / 13 / 9
3. Signature: Joseph V. Rogers 4. Title: Office Manager

EPA DEFINITIONS & SUBCATEGORY LEGEND

AC	=	Acidic (≤2 pH)	HY	=	Hydrated	RS	=	Reactive Sulfide
AK	=	Alkaline (≥12.5 pH)	LB	=	Lead Acid Battery	RX	=	Other Reactives
AN	=	Anhydrous	LM	=	Low Mercury (<260 mg/kg)	TOC	=	Total Organic Carbon
CO	=	Corrosive (>6.35 mm/yr)	LQ	=	Liquid	WR	=	Water Reactive
CB	=	Cadmium Battery	NC	=	Non Calcium Sulfate	WW	=	Wastewater (<1% TOC and <1% Total Suspended Solids)
CS	=	Calcium Sulfate	OX	=	Oxidizer			
HM	=	High Mercury (≥ 260 mg/kg)	RC	=	Reactive Cyanide			

Hazardous Debris = A solid material exceeding a 60 mm particle size (i.e., ≈ 2⅜") that is intended for disposal. The following materials are no debris: cadmium/lead acid batteries, process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, o air emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (40 CFR § 268.2(g)).

SECTION D: EPA HAZARDOUS WASTE CODE TABLES

RES Waste Stream No. L036878

"D" CHARACTERISTIC CODES

Check All Applicable Waste Codes — Check All Applicable Waste C

☐ D001 GAS	* ☐ D00[illegible]	☐ D006	* ☐ D012	* ☐ D020	* ☐ D028	* ☐ D036
☒ D001 LQ ≥10% TOC	* ☐ D00[illegible]	☐ D007	* ☐ D013	* ☐ D021	* ☐ D029	* ☐ D037
	☐ D003 RX	☐ D008	* ☐ D014	* ☐ D022	* ☐ D030	* ☐ D038
☐ D001 LQ <10% TOC	☐ D003 RC	☐ D009 HM Organics Only	* ☐ D015	* ☐ D023	* ☐ D031	* ☐ D039
	☐ D003 RS		* ☐ D016	* ☐ D024	* ☐ D032	* ☐ D040
☐ D001 OX	☐ D003 WR	☐ D009 LM	* ☐ D017	* ☐ D025	* ☐ D033	* ☐ D041
☐ D001 RX	☐ D004	☐ D010	* ☐ D018	* ☐ D026	* ☐ D034	* ☐ D042
* ☐ D002 AC	☐ D005	☐ D011	* ☐ D019	* ☐ D027	* ☐ D035	* ☐ D043

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at concentration above the constituent-specific treatment standard listed in 40CFR§268.48. For D012-D017 WWs, UHCs are not applicabl

Note: Following "D" Codes acceptable only for Off-Site, Transfer & Disposal: (Unacceptable for incineration) ☐D006CB ☐D008LB ☐D009HM (inorg

"F" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Co

** ☐ F001	** ☐ F004	☐ F007	☐ F010	☐ F019	☐ F032	☐ F037
** ☐ F002	** ☒ F005	☐ F008	☐ F011	☐ F024	☐ F034	☐ F038
** ☒ F003	☐ F006	☐ F009	☐ F012	☐ F025	☐ F035	* ☐ F039

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste a concentration above the constituent-specific treatment standard listed in 40CFR§268.48.

** Check in SECTION E. ALL F001 - F005 HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. (** = F001-F005 constituents in Section E.)

"K" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste C

☐ K001	☐ K017	☐ K033	☐ K049	☐ K086	☐ K104	☐ K124
☐ K002	☐ K018	☐ K034	☐ K050	☐ K087	☐ K105	☐ K125
☐ K003	☐ K019	☐ K035	☐ K051	☐ K088	☐ K106 LM	☐ K126
☐ K004	☐ K020	☐ K036	☐ K052	☐ K090	☐ K107	☐ K131
☐ K005	☐ K021	☐ K037	☐ K060	☐ K091	☐ K108	☐ K132
☐ K006 AN	☐ K022	☐ K038	☐ K061	☐ K093	☐ K109	☐ K136
☐ K006 HY	☐ K023	☐ K039	☐ K062	☐ K094	☐ K110	☐ K141
☐ K007	☐ K024	☐ K040	☐ K064	☐ K095	☐ K111	☐ K142
☐ K008	☐ K025	☐ K041	☐ K065	☐ K096	☐ K112	☐ K143
☐ K009	☐ K026	☐ K042	☐ K066	☐ K097	☐ K113	☐ K144
☐ K010	☐ K027	☐ K043 (NU only)	☐ K069 CS	☐ K098	☐ K114	☐ K145
☐ K011	☐ K028	☐ K044	☐ K071	☐ K099 (NU only)	☐ K115	☐ K147
☐ K013	☐ K029	☐ K045	☐ K073	☐ K100	☐ K116	☐ K148
☐ K014	☐ K030	☐ K046	☐ K083	☐ K101	☐ K117	☐ K149
☐ K015	☐ K031	☐ K047	☐ K084	☐ K102	☐ K118	☐ K150
☐ K016	☐ K032	☐ K048	☐ K085	☐ K103	☐ K123	☐ K151

Note: Following "K" Codas Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ K069NC ☐ K106HI

"P" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Co

☐ P001	☐ P012	☐ P026	☐ P039	☐ P050	☐ P065 LM	☐ P077
☐ P002	☐ P013	☐ P027	☐ P040	☐ P051	☐ P066	☐ P081
☐ P003	☐ P014	☐ P028	☐ P041	☐ P054	☐ P067	☐ P082
☐ P004	☐ P016	☐ P029	☐ P042	☐ P056	☐ P068	☐ P084
☐ P005	☐ P017	☐ P030	☐ P043	☐ P057	☐ P069	☐ P085
☐ P006	☐ P018	☐ P031	☐ P044	☐ P058	☐ P070	☐ P088
☐ P007	☐ P020	☐ [illegible]33	☐ P045	☐ P059	☐ P071	☐ P089
☐ P008	☐ P021	☐ [illegible]34	☐ P046	☐ P060	☐ P072	☐ P092 LM
☐ P009	☐ P022	☐ P036	☐ P047	☐ P062	☐ P073	☐ P093
☐ P010	☐ P0[illegible]	☐ [illegible]37	☐ P048	☐ P063	☐ P074	☐ P094
☐ P011	☐ P024	☐ P038	☐ P049	☐ P064	☐ P075	☐ P095

SECTION D. (Continued)

RES Waste Stream No. L036878

☐ P096	☐ P101	☐ P105	☐ P110	☐ P114	☐ P119	☐ P123
☐ P097	☐ P102	☐ P106	☐ P111	☐ P115	☐ P120	
☐ P098	☐ P103	☐ P108	☐ P112	☐ P116	☐ P121	
☐ P099	☐ P104	☐ P109	☐ P113	☐ P118	☐ P122	

Note: Following "P" Codes Acceptable only for Off-Site Transfer and Disposal: ☐ P015 ☐ P065 HM ☐ P076 ☐ P078 ☐ P087 ☐ P09

Check All Applicable Waste Codes

"U" LISTED CODES

Check All Applicable Waste

☐ U001	☐ U037	☐ U075	☐ U112	☐ U148	☐ U184	☐ U223
☐ U002	☐ U038	☐ U076	☐ U113	☐ U149	☐ U185	☐ U225
☐ U003	☐ U039	☐ U077	☐ U114	☐ U150	☐ U186	☐ U226
☐ U004	☐ U041	☐ U078	☐ U115	☐ U151 LM	☐ U187	☐ U227
☐ U005	☐ U042	☐ U079	☐ U116	☐ U152	☐ U188	☐ U228
☐ U006	☐ U043	☐ U080	☐ U117	☐ U153	☐ U189	☐ U234
☐ U007	☐ U044	☐ U081	☐ U118	☐ U154	☐ U190	☐ U235
☐ U008	☐ U045	☐ U082	☐ U119	☐ U155	☐ U191	☐ U236
☐ U009	☐ U046	☐ U083	☐ U120	☐ U156	☐ U192	☐ U237
☐ U010	☐ U047	☐ U084	☐ U121	☐ U157	☐ U193	☐ U238
☐ U011	☐ U048	☐ U085	☐ U122	☐ U158	☐ U194	☐ U239
☐ U012	☐ U049	☐ U086	☐ U123	☐ U159	☐ U196	☐ U240
☐ U014	☐ U050	☐ U087	☐ U124	☐ U160	☐ U197	☐ U243
☐ U015	☐ U051	☐ U088	☐ U125	☐ U161	☐ U200	☐ U244
☐ U016	☐ U052	☐ U089	☐ U126	☐ U162	☐ U201	☐ U246
☐ U017	☐ U053	☐ U090	☐ U127	☐ U163	☐ U202	☐ U247
☐ U018	☐ U055	☐ U091	☐ U128	☐ U164	☐ U203	☐ U248
☐ U019	☐ U056	☐ U092	☐ U129	☐ U165	☐ U204	☐ U249
☐ U020	☐ U057	☐ U093	☐ U130	☐ U166	☐ U205	☐ U328
☐ U021	☐ U058	☐ U094	☐ U131	☐ U167	☐ U206	☐ U353
☐ U022	☐ U059	☐ U095	☐ U132	☐ U168	☐ U207	☐ U359
☐ U023	☐ U060	☐ U096	☐ U133	☐ U169	☐ U208	
☐ U024	☐ U061	☐ U097	☐ U134	☐ U170	☐ U209	
☐ U025	☐ U062	☐ U098	☐ U135	☐ U171	☐ U210	
☐ U026	☐ U063	☐ U099	☐ U136	☐ U172	☐ U211	
☐ U027	☐ U064	☐ U101	☐ U137	☐ U173	☐ U213	
☐ U028	☐ U066	☐ U102	☐ U138	☐ U174	☐ U214	
☐ U029	☐ U067	☐ U103	☐ U140	☐ U176	☐ U215	
☐ U030	☐ U068	☐ U105	☐ U141	☐ U177	☐ U216	
☐ U031	☐ U069	☐ U106	☐ U142	☐ U178	☐ U217	
☐ U032	☐ U070	☐ U107	☐ U143	☐ U179	☐ U218	
☐ U033	☐ U071	☐ U108	☐ U144	☐ U180	☐ U219	
☐ U034	☐ U072	☐ U109	☐ U145	☐ U181	☐ U220	
☐ U035	☐ U073	☐ U110	☐ U146	☐ U182	☐ U221	
☐ U036	☐ U074	☐ U111	☐ U147	☐ U183	☐ U222	

Note: Following "U" Code Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ U151 HM

OTHER RES INCINERATION UNACCEPTABLES

Unacceptable EPA Waste Codes (Permit Restricted)	*Unacceptable Hazardous Constituents*
• D003 Explosives • D002, D004-D011 (High level radioactive wastes from processing of fuel rods). • The following "F" Listed Dioxin Waste Codes: ○ F020 ○ F026 ○ F021 ○ F027 ○ F022 ○ F028 ○ F023	The following Dioxins constituents are unacceptable above the LDR treatment standard: • All HxCDDs • All PeCDFs • All HxCDFs • All TCDDs • All PeCDDs • All TCDFs • Kepone in any concentration is unacceptable at RES (NJ). *No.* [illegible] cceptance of the Dioxin constituents in non-listed Dioxin Wa[illegible] are on a case-by-case basis.

SECTION E. UNDERLYING HAZARDOUS CONSTITUENTS (UHCs)

(40 CFR§268.48) RES Waste Stream No. L03687

INORGANIC CONSTITUENTS

Check all Applicable Constituents

- ☐ Antimony
- ☐ Arsenic
- ☐ BARIUM
- ☐ BERYLLIUM
- ☐ Cadmium
- ☐ Chromium
- ☐ Cyanides (Total)
- ☐ Cyanides (Amenable)
- ☐ Fluoride
- ☐ Lead
- ☐ Mercury
- ☐ Nickel
- ☐ SELENIUM
- ☐ Silver
- ☐ Sulfide
- ☐ THALLIUM
- ☐ Vanadium (Not an Underly. Hazardous Constituent e in F039 w[illegible]tors)

ORGANIC ACCEPTABLE CONSTITUENTS

Check all Applicable Constituents

- ☐ Acenaphthylene
- ☐ Acenaphthene
- ** ☒ *Acetone*
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ** ☐ *Benzene*
- ☐ Benz(a)anthracene
- ☐ Benzal chloride
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Methyl bromide (Bromomethane)
- ☐ 4-Bromophenyl phenyl ether
- ** ☐ *n-Butyl alcohol*
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ** ☐ ***CARBON DISULFIDE***
- ** ☐ *Carbon tetrachloride*
- ☐ Chlordane(alpha & gamma isomers)
- ☐ p-Chloroaniline
- ** ☐ *Chlorobenzene*
- ☐ Chlorobenzilate
- ☐ 2-Chloro-1,3-butadiene
- ☐ Chlorodibromethane
- ☐ Chloroethane
- ☐ bis(2-Chloroethoxy)methane
- ☐ bis(2-chloroethyl)ether
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl)ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether
- ☐ Chloromethane (Methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ** ☐ *o-Cresol*
- ** ☐ *m-Cresol*
- ** ☐ *p-Cresol*
- ** ☐ ***CYCLOHEXANONE***
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ Ethylene dibromide (1,2-Dibromoethane)
- ☐ Dibromomethane
- ☐ 2,4,D (2-4-Dichlorophenoxyacetic acid)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h)anthracene
- ☐ Dibenz(a,e)pyrene
- ☐ m-Dichlorobenzene
- ** ☐ *o-Dichlorobenzene*
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans,1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis-1,3-Dichloropropylene
- ☐ trans-1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ p-Dimethylaminoazobenzene
- ☐ Di-n-propylnitrosamine
- ☐ 1,4-Dioxane
- ☐ Diphenylamin[illegible]
- ☐ Diphenylnitro[illegible]ne
- ☐ 1,2-Diphenylhydrazine
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ** ☐ *Ethyl acetate*
- ☐ Ethyl cyanide (Propanenitrile)
- ** ☐ *Ethyl benzene*
- ** ☐ *Ethyl ether*
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno (1,2,3-c,d) pyrene
- ☐ Iodomethane
- ** ☐ *Isobutyl alcohol*
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ** ☒ ***METHANOL***
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene bis (2-chloroaniline)
- ** ☐ *Methylene chloride*
- ** ☐ *Methyl ethyl ketone*
- ** ☐ *Methyl isobutyl ketone*
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline
- ☐ p-Nitroaniline
- ** ☐ *Nitrobenzene*
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodimethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ TOTAL PCBs
- ☐ Pentachlorobenzene
- ☐ Pentachloroethane
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Pyrene
- ** ☐ *Pyridine*
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5-Trichloro phenoxy-acetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ** ☐ *Tetrachloroethylene*
- ☐ 2,3,4,6-Tetrachlorophenol
- ** ☒ *Toluene*
- ☐ Toxaphene
- ☐ Bromoform (Tribromomethane)
- ☐ 1,2,4-Trichlorobenzene
- ** ☐ *1,1,1-Trichloroethane*
- ** ☐ *1,1,2-Trichloroethane*
- ** ☐ *Trichloroethylene*
- ** ☐ *Trichloromonofluoromethane*
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorphenol
- ☐ 1,2,3-Trichloropropane
- ** ☐ *1,1,2-Trichloro-1,2,2,-trifluoro-ethane*
- ☐ TRIS-(2,3-DIBROMOPROPYL) PHOSPHATE (RES INJ only)
- ☐ Vinyl chloride
- ** ☐ *Xylenes-total mixed isomers*

Note: Constituents in bold type have been highlighted for RES purposes only.

LDR NOTIFICATION

ROLLI ENVIRONMENTAL SE

CUSTOMER INSTRUCTIONS

1. This Land Disposal Restriction (LDR) Notification form applies to EPA RCRA Hazardous Wastes as either a waste or non-wastewater (including labpacks regulated under 40CFR§268, Appendix IV) . hazardous debris not me relevant LDR treatment standards. For labpacks using the Alternative Treatment Standards of §268.42(c) or for a v already meeting the LDR treatment standard, please contact us for the additional or alternate notification/certification
2. *Complete Sections A, B, C and D. Complete Section E only* when instructed by either Section B below or Sectic EPA Hazardous Waste Code Tables.
3. This form shall be completed in ink or typewritten. Originals can be obtained from all RES offices.

SECTION A. GENERATOR INFORMATION

1. Generator ASHLAND CHEMICAL COMPANY 2. EPA I.D. No. PAD980552251
3. Manifest No. NJA 2071083 00119 4. RES Waste Stream No. L036880

SECTION B. GENERATOR LDR NOTIFICATION (40 CFR § 268.7)

1. Notifying (Check One): ☒ RES (NJ) ☐ RES (LA) ☐ RES (TX) ☐ OPC ☐ RES of LA ☐ TET
2. Under the above RES Waste Stream No., I am shipping to you a hazardous waste as identified below under Waste Cate & California List Notifications:

WASTE CATEGORY & CALIFORNIA LIST NOTIFICATIONS

Check either a, b, or c. ***Waste Category***

☐ a. A wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☒ b. A non-wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; *OR*

☐ c. A hazardous debris identified by the EPA Waste Code/subcategory that I have checked in Section D. (See El Definitions & Subcategory Legend below).

If applicable, check d, e, and f. ***California List Notifications***

☐ d. A D003-D011 waste containing halogenated organic compounds (HOCs) ≥1000 ppm (40 CFR § 268, Appenc III).

☐ e. A liquid hazardous waste containing polychlorinated biphenyls (PCBs) ≥50 ppm.

☐ f. A D003-D011 liquid waste containing ≥134 mg/l Nickel and/or ≥130 mg/l Thallium.

Note: If any of the above California List Notifications were checked, identify ALL UNDERLYING HAZARDOU CONSTITUENTS (UHCs) in Section E. which can reasonably be expected to be present in the waste at concentration above the constituent - specific treatment standard listed in 40 CFR § 268.48.

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a comp and accurate identification of this waste material.

1. Print or Type Name: Joseph V. Rogers 2. Date: 09 / 13 / 95
3. Signature: Joseph V. Rogers 4. Title: Office Manager

EPA DEFINITIONS & SUBCATEGORY LEGEND

AC	= Acidic (≤2 pH)	HY	= Hydrated	RS	= Reactive Sulfide
AK	= Alkaline (≥12.5 pH)	LB	= Lead Acid Battery	RX	= Other Reactives
AN	= Anhydrous	LM	= Low Mercury (<260 mg/kg)	TOC	= Total Organic Carbon
CO	= Corrosive (>6.35 mm/yr)	LQ	= Liquid	WR	= Water Reactive
CB	= Cadmium Battery	NC	= Non Calcium Sulfate	WW	= Wastewater (<1% TOC and <1% Total Suspended Solids)
CS	= Calcium Sulfate	OX	= Oxidizer		
HM	= High Mercury (≥ 260 mg/kg)	RC	= Reactive Cyanide		

Hazardous Debris = A solid material exceeding a 60 mm particle size (i.e., ≈ 2⅜") that is intended for disposal. The following materials are not debris: cadmium/lead acid batteries, process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or air emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (40 CFR § 268.2(g)).

RES-50-423 Rev. 1/95

SECTION D: EPA HAZARDOUS WASTE CODE TABLES

RES Waste Stream No. L036880

Check All Applicable Waste Codes — *"D" CHARACTERISTIC CODES* — Check All Applicable Waste

☐ D001 GAS	* ☐ D002 AK	☐ D006	* ☐ D012	* ☐ D020	* ☐ D028	* ☐ D036
☒ D001 LQ ≥10% TOC	* ☐ D002 CO	☐ D007	* ☐ D013	* ☐ D021	* ☐ D029	* ☐ D037
	☐ D003 RX	☐ D008	* ☐ D014	* ☐ D022	* ☐ D030	* ☐ D038
☐ D001 LQ <10% TOC	☐ D003 RC	☐ D009 HM Organics Only	* ☐ D015	* ☐ D023	* ☐ D031	* ☐ D039
	☐ D003 RS		* ☐ D016	* ☐ D024	* ☐ D032	* ☐ D040
☐ D001 OX	☐ D003 WR	☐ D009 LM	* ☐ D017	* ☐ D025	* ☐ D033	* ☐ D041
☐ D001 RX	☐ D004	☐ D010	* ☐ D018	* ☐ D026	* ☐ D034	* ☐ D042
* ☐ D002 AC	☐ D005	☐ D011	* ☐ D019	* ☐ D027	* ☐ D035	* ☐ D043

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at concentration above the constituent-specific treatment standard listed in 40CFR§268.48. For D012-D017 WWs, UHCs are not applicab

Note: Following "D" Codes acceptable only for Off-Site, Transfer & Disposal: (Unacceptable for incineration) ☐D006CB ☐D008LB ☐D009HM (inor

Check All Applicable Waste Codes — *"F" LISTED CODES* — Check All Applicable Waste C

** ☐ F001	** ☐ F004	☐ F007	☐ F010	☐ F019	☐ F032	☐ F037
** ☐ F002	** ☐ F005	☐ F008	☐ F011	☐ F024	☐ F034	☐ F038
** ☐ F003	☐ F006	☐ F009	☐ F012	☐ F025	☐ F035	* ☐ F039

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste concentration above the constituent-specific treatment standard listed in 40CFR§268.48.

** Check in SECTION E. ALL F001 - F005 HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste concentration above the constituent-specific treatment standard listed in 40CFR§268.48. (** = F001-F005 constituents in Section E.

Check All Applicable Waste Codes — *"K" LISTED CODES* — Check All Applicable Waste C

☐ K001	☐ K017	☐ K033	☐ K049	☐ K086	☐ K104	☐ K124
☐ K002	☐ K018	☐ K034	☐ K050	☐ K087	☐ K105	☐ K125
☐ K003	☐ K019	☐ K035	☐ K051	☐ K088	☐ K106 LM	☐ K126
☐ K004	☐ K020	☐ K036	☐ K052	☐ K090	☐ K107	☐ K131
☐ K005	☐ K021	☐ K037	☐ K060	☐ K091	☐ K108	☐ K132
☐ K006 AN	☐ K022	☐ K038	☐ K061	☐ K093	☐ K109	☐ K136
☐ K006 HY	☐ K023	☐ K039	☐ K062	☐ K094	☐ K110	☐ K141
☐ K007	☐ K024	☐ K040	☐ K064	☐ K095	☐ K111	☐ K142
☐ K008	☐ K025	☐ K041	☐ K065	☐ K096	☐ K112	☐ K143
☐ K009	☐ K026	☐ K042	☐ K066	☐ K097	☐ K113	☐ K144
☐ K010	☐ K027	☐ K043 (NU only)	☐ K069 CS	☐ K098	☐ K114	☐ K145
☐ K011	☐ K028	☐ K044	☐ K071	☐ K099 (NU only)	☐ K115	☐ K147
☐ K013	☐ K029	☐ K045	☐ K073	☐ K100	☐ K116	☐ K148
☐ K014	☐ K030	☐ K046	☐ K083	☐ K101	☐ K117	☐ K149
☐ K015	☐ K031	☐ K047	☐ K084	☐ K102	☐ K118	☐ K150
☐ K016	☐ K032	☐ K048	☐ K085	☐ K103	☐ K123	☐ K151

Note: Following "K" Codes Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ K069NC ☐ K106H

Check All Applicable Waste Codes — *"P" LISTED CODES* — Check All Applicable Waste C

☐ P001	☐ P012	☐ P026	☐ P039	☐ P050	☐ P065 LM	☐ P077
☐ P002	☐ P013	☐ P027	☐ P040	☐ P051	☐ P066	☐ P081
☐ P003	☐ P014	☐ P028	☐ P041	☐ P054	☐ P067	☐ P082
☐ P004	☐ P016	☐ P029	☐ P042	☐ P056	☐ P068	☐ P084
☐ P005	☐ P017	☐ P030	☐ P043	☐ P057	☐ P069	☐ P085
☐ P006	☐ P018	☐ P031	☐ P044	☐ P058	☐ P070	☐ P088
☐ P007	☐ P020	☐ P033	☐ P045	☐ P059	☐ P071	☐ P089
☐ P008	☐ P021	☐ P034	☐ P046	☐ P060	☐ P072	☐ P092 LI
☐ P009	☐ P022	☐ P036	☐ P047	☐ P062	☐ P073	☐ P093
☐ P010	☐ P023	☐ P037	☐ P048	☐ P063	☐ P074	☐ P0[illegible]
☐ P011	☐ P024	☐ P038	☐ P049	☐ P064	☐ P075	☐ P0[illegible]

SECTION D. (Continued)

RES Waste Stream No. L036880

☐ P096	☐ P101	☐ P105	☐ P110	☐ P114	☐ P119	☐ P123
☐ P097	☐ P102	☐ P106	☐ P111	☐ P115	☐ P120	
☐ P098	☐ P103	☐ P108	☐ P112	☐ P116	☐ P121	
☐ P099	☐ P104	☐ P109	☐ P113	☐ P118	☐ P122	

Note: Following "P" Codes Acceptable only for Off-Site Transfer and Disposal: ☐ P015 ☐ P065 HM ☐ P076 ☐ P078 ☐ P087 ☐ P09

Check All Applicable Waste Codes

"U" LISTED CODES

Check All Applicable Waste (

☐ U001	☐ U037	☐ U075	☐ U112	☐ U148	☐ U184	☐ U223
☐ U002	☐ U038	☐ U076	☐ U113	☐ U149	☐ U185	☐ U225
☐ U003	☐ U039	☐ U077	☐ U114	☐ U150	☐ U186	☐ U226
☐ U004	☐ U041	☐ U078	☐ U115	☐ U151 LM	☐ U187	☐ U227
☐ U005	☐ U042	☐ U079	☐ U116	☐ U152	☐ U188	☐ U228
☐ U006	☐ U043	☐ U080	☐ U117	☐ U153	☐ U189	☐ U234
☐ U007	☐ U044	☐ U081	☐ U118	☐ U154	☐ U190	☐ U235 (NJ
☐ U008	☐ U045	☐ U082	☐ U119	☐ U155	☐ U191	☐ U236
☐ U009	☐ U046	☐ U083	☐ U120	☐ U156	☐ U192	☐ U237
☐ U010	☐ U047	☐ U084	☐ U121	☐ U157	☐ U193	☐ U238
☐ U011	☐ U048	☐ U085	☐ U122	☐ U158	☐ U194	☐ U239
☐ U012	☐ U049	☐ U086	☐ U123	☐ U159	☐ U196	☐ U240
☐ U014	☐ U050	☐ U087	☐ U124	☐ U160	☐ U197	☐ U243
☐ U015	☐ U051	☐ U088	☐ U125	☐ U161	☐ U200	☐ U244
☐ U016	☐ U052	☐ U089	☐ U126	☐ U162	☐ U201	☐ U246
☐ U017	☐ U053	☐ U090	☐ U127	☐ U163	☐ U202	☐ U247
☐ U018	☐ U055	☐ U091	☐ U128	☐ U164	☐ U203	☐ U248
☐ U019	☐ U056	☐ U092	☐ U129	☐ U165	☐ U204	☐ U249
☐ U020	☐ U057	☐ U093	☐ U130	☐ U166	☐ U205	☐ U328
☐ U021	☐ U058	☐ U094	☐ U131	☐ U167	☐ U206	☐ U353
☐ U022	☐ U059	☐ U095	☐ U132	☐ U168	☐ U207	☐ U359
☐ U023	☐ U060	☐ U096	☐ U133	☐ U169	☐ U208	
☐ U024	☐ U061	☐ U097	☐ U134	☐ U170	☐ U209	
☐ U025	☐ U062	☐ U098	☐ U135	☐ U171	☐ U210	
☐ U026	☐ U063	☐ U099	☐ U136	☐ U172	☐ U211	
☐ U027	☐ U064	☐ U101	☐ U137	☐ U173	☐ U213	
☐ U028	☐ U066	☐ U102	☐ U138	☐ U174	☐ U214	
☐ U029	☐ U067	☐ U103	☐ U140	☐ U176	☐ U215	
☐ U030	☐ U068	☐ U105	☐ U141	☐ U177	☐ U216	
☐ U031	☐ U069	☐ U106	☐ U142	☐ U178	☐ U217	
☐ U032	☐ U070	☐ U107	☐ U143	☐ U179	☐ U218	
☐ U033	☐ U071	☐ U108	☐ U144	☐ U180	☐ U219	
☐ U034	☐ U072	☐ U109	☐ U145	☐ U181	☐ U220	
☐ U035	☐ U073	☐ U110	☐ U146	☐ U182	☐ U221	
☐ U036	☐ U074	☐ U111	☐ U147	☐ U183	☐ U222	

Note: Following "U" Code Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ U151 HM

OTHER RES INCINERATION UNACCEPTABLES

Unacceptable EPA Waste Codes (Permit Restricted)

- D003 Explosives
- D002, D004-D011 (High level radioactive wastes from processing of fuel rods).
- The following "F" Listed Dioxin Waste Codes:
  - F020
  - F021
  - F022
  - F023
  - F026
  - F027
  - F028

Unacceptable Hazardous Constituents

The following Dioxins constituents are unacceptable above the LDR treatment standard:

- All HxCDDs
- All HxCDFs
- All PeCDDs
- All PeCDFs
- All TCDDs
- All TCDFs

- Kepone in any concentration is unacceptable at RES (NJ).

Note: Acceptance of the Dioxin constituents in non-listed Dioxin Wastes are on a case-by-case basis.

SECTION E. UNDERLYING HAZARDOUS CONSTITUENTS (UHCs)

(40 CFR§268.48) *RES Waste Stream No.* _____ L03688

INORGANIC CONSTITUENTS

Check all Applicable Constituents

- ☐ Antimony
- ☐ Arsenic
- ☐ BARIUM
- ☐ BERYLLIUM
- ☐ Cadmium
- ☐ Chromium
- ☐ Cyanides (Total)
- ☐ Cyanides (Amenable)
- ☐ Fluoride
- ☐ Lead
- ☐ Mercury
- ☐ Nickel
- ☐ SELENIUM
- ☐ Silver
- ☐ Sulfide
- ☐ THALLIUM
- ☐ Vanadium (Not an Underly Hazardous Constituent e in F039 wastewaters)

ORGANIC ACCEPTABLE CONSTITUENTS

Check all Applicable Constituents

- ☐ Acenaphthylene
- ☐ Acenaphthene
- ** ☐ *Acetone*
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ** ☐ *Benzene*
- ☐ Benz(a)anthracene
- ☐ Benzal chloride
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Methyl bromide (Bromomethane)
- ☐ 4-Bromophenyl phenyl ether
- ** ☐ *n-Butyl alcohol*
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ** ☐ *CARBON DISULFIDE*
- ** ☐ *Carbon tetrachloride*
- ☐ Chlordane(alpha & gamma isomers)
- ☐ p-Chloroaniline
- ** ☐ *Chlorobenzene*
- ☐ Chlorobenzilate
- ☐ 2-Chloro-1,3-butadiene
- ☐ Chlorodibromethane
- ☐ Chloroethane
- ☐ bis(2-Chloroethoxy)methane
- ☐ bis(2-chloroethyl)ether
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl)ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether
- ☐ Chloromethane (Methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ** ☐ *o-Cresol*
- ** ☐ *m-Cresol*
- ** ☐ *p-Cresol*
- ** ☐ *CYCLOHEXANONE*
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ Ethylene dibromide (1,2-Dibromoethane)
- ☐ Dibromomethane
- ☐ 2,4,D (2-4-Dichlorophenoxyacetic acid)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h)anthracene
- ☐ Dibenz(a,e)pyrene
- ☐ m-Dichlorobenzene
- ** ☐ *o-Dichlorobenzene*
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans,1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis-1,3-Dichloropropylene
- ☐ trans-1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ p-Dimethylaminoazobenzene
- ☐ Di-n-propylnitrosamine
- ☐ 1,4-Dioxane
- ☐ Diphenylamine
- ☐ Diphenylnitrosamine
- ☐ 1,2-Diphenylhydrazine
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ** ☐ *Ethyl acetate*
- ☐ Ethyl cyanide (Propanenitrile)
- ** ☐ *Ethyl benzene*
- ** ☐ *Ethyl ether*
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno (1,2,3-c,d) pyrene
- ☐ Iodomethane
- ** ☐ *Isobutyl alcohol*
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ** ☐ *METHANOL*
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene bis (2-chloroaniline)
- ** ☐ *Methylene chloride*
- ** ☐ *Methyl ethyl ketone*
- ** ☐ *Methyl isobutyl ketone*
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline
- ☐ p-Nitroaniline
- ** ☐ *Nitrobenzene*
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodimethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ TOTAL PCBs
- ☐ Pentachlorobenzene
- ☐ Pentachloroethane
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Pyrene
- ** ☐ *Pyridine*
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5-Trichloro phenoxy-acetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ** ☐ *Tetrachloroethylene*
- ☐ 2,3,4,6-Tetrachlorophenol
- ** ☐ *Toluene*
- ☐ Toxaphene
- ☐ Bromoform (Tribromomethane
- ☐ 1,2,4-Trichlorobenzene
- ** ☐ *1,1,1-Trichloroethane*
- ** ☐ *1,1,2-Trichloroethane*
- ** ☐ *Trichloroethylene*
- ** ☐ *Trichloromonofluoromethane*
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorphenol
- ☐ 1,2,3-Trichloropropane
- ** ☐ *1,1,2-Trichloro-1,2,2,-trifluoro-ethane*
- ☐ TRIS-(2,3-DIBROMOPROPYL) PHOSPHATE (RES INJ only)
- ☐ Vinyl chloride
- ** ☐ *Xylenes-total mixed isomers*

Note: Constituents in bold type have been highlighted for RES purposes only.

DR NOTIFICATION

ROLLINS ENVIRONMENTAL SERVICES

CUSTOMER INSTRUCTIONS

This Land Disposal Restriction (LDR) Notification form applies to EPA RCRA Hazardous Wastes as either a wastewater or non-wastewater (including labpacks regulated under 40CFR§268, Appendix IV) or a hazardous debris not meeting relevant LDR treatment standards. For labpacks using the Alternative Treatment Standards of §268.42(c) or for a waste already meeting the LDR treatment standard, please contact us for the additional or alternate notification/certification form.

Complete Sections A, B, C and D. Complete Section E only when instructed by either Section B below or Section D: EPA Hazardous Waste Code Tables.

This form shall be completed in ink or typewritten. Originals can be obtained from all RES offices.

:TION A. GENERATOR INFORMATION

Generator ASHLAND CHEMICAL COMPANY 2. EPA I.D. No. PAD980552251

Manifest No. NJA 2071083 00119 4. RES Waste Stream No. L036882

:TION B. GENERATOR LDR NOTIFICATION (40 CFR § 268.7)

Notifying (Check One): ☒ RES (NJ) ☐ RES (LA) ☐ RES (TX) ☐ OPC ☐ RES of LA ☐ TET

Under the above RES Waste Stream No., I am shipping to you a hazardous waste as identified below under Waste Category & California List Notifications:

WASTE CATEGORY & CALIFORNIA LIST NOTIFICATIONS

heck either a, b, or c. ***Waste Category***

☐ a. A wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; ***OR***

☒ b. A non-wastewater identified by the EPA Waste Code/subcategory that I have checked in Section D; ***OR***

☐ c. A hazardous debris identified by the EPA Waste Code/subcategory that I have checked in Section D. (See EPA Definitions & Subcategory Legend below).

applicable, check d, e, and f. ***California List Notifications***

☐ d. A D003-D011 waste containing halogenated organic compounds (HOCs) ≥1000 ppm (40 CFR § 268, Appendix III).

☐ e. A liquid hazardous waste containing polychlorinated biphenyls (PCBs) ≥50 ppm.

☐ f. A D003-D011 liquid waste containing ≥134 mg/l Nickel and/or ≥130 mg/l Thallium.

te: If any of the above California List Notifications were checked, identify ALL UNDERLYING HAZARDOUS CONSTITUENTS (UHCs) in Section E. which can reasonably be expected to be present in the waste at a concentration above the constituent - specific treatment standard listed in 40 CFR § 268.48.

'ION C. GENERATOR CERTIFICATION (Authorized Representative)

:by certify and warrant that all the information supplied on this form and all associated documents represents a complete ıccurate identification of this waste material.

'int or Type Name: Joseph V. Rogers 2. Date: 09/13/95

gnature: Joseph V Rogers 4. Title: Office Manager

EPA DEFINITIONS & SUBCATEGORY LEGEND

C	=	Acidic (≤2 pH)	HY	=	Hydrated	RS	=	Reactive Sulfide
K	=	Alkaline (≥12.5 pH)	LB	=	Lead Acid Battery	RX	=	Other Reactives
N	=	Anhydrous	LM	=	Low Mercury (<260 mg/kg)	TOC	=	Total Organic Carbon
O	=	Corrosive (>6.35 mm/yr)	LQ	=	Liquid	WR	=	Water Reactive
B	=	Cadmium Battery	NC	=	Non Calcium Sulfate	WW	=	Wastewater (<1% TOC and <1% Total Suspended Solids)
S	=	Calcium Sulfate	OX	=	Oxidizer			
M	=	High Mercury (≥ 260 mg/kg)	RC	=	Reactive Cyanide			

azardous Debris = A solid material exceeding a 60 mm particle size (i.e., ≈ 2⅜") that is intended for disposal. The following materials are no: :: is: cadmium/lead acid batteries, process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or emission residues; and intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (40 CFR 268.2[g]).

SECTION D: EPA HAZARDOUS WASTE CODE TABLES

RES Waste Stream No. L036882

"D" CHARACTERISTIC CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ D001 GAS	* ☐ D002 AK	☐ D006	* ☐ D012	* ☐ D020	* ☐ D028	* ☐ D036
☒ D001 LQ ≥10% TOC	* ☐ D002 CO	☒ D007	* ☐ D013	* ☐ D021	* ☐ D029	* ☐ D037
	☐ D003 RX	☐ D008	* ☐ D014	* ☐ D022	* ☐ D030	* ☐ D038
☐ D001 LQ <10% TOC	☐ D003 RC	☐ D009 HM Organics Only	* ☐ D015	* ☐ D023	* ☐ D031	* ☐ D039
	☐ D003 RS		* ☐ D016	* ☐ D024	* ☐ D032	* ☐ D040
☐ D001 OX	☐ D003 WR	☐ D009 LM	* ☐ D017	* ☐ D025	* ☐ D033	* ☐ D041
☐ D001 RX	☐ D004	☐ D010	* ☐ D018	* ☐ D026	* ☐ D034	* ☐ D042
* ☐ D002 AC	☐ D005	☐ D011	* ☐ D019	* ☐ D027	* ☐ D035	* ☐ D043

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. For D012-D017 WWs, UHCs are not applicable.

Note: Following "D" Codes acceptable only for Off-Site, Transfer & Disposal: (Unacceptable for incineration) ☐D006CB ☐D008LB ☐D009HM (inorganic)

"F" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

** ☐ F001	** ☐ F004	☐ F007	☐ F010	☐ F019	☐ F032	☐ F037
** ☐ F002	** ☐ F005	☐ F008	☐ F011	☐ F024	☐ F034	☐ F038
** ☐ F003	☐ F006	☐ F009	☐ F012	☐ F025	☐ F035	* ☐ F039

* Check in SECTION E. ALL UNDERLYING HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48.

** Check in SECTION E. ALL F001 - F005 HAZARDOUS CONSTITUENTS which can reasonably be expected to be present in this waste at a concentration above the constituent-specific treatment standard listed in 40CFR§268.48. (** = F001-F005 constituents in Section E.)

"K" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ K001	☐ K017	☐ K033	☐ K049	☐ K086	☐ K104	☐ K124
☐ K002	☐ K018	☐ K034	☐ K050	☐ K087	☐ K105	☐ K125
☐ K003	☐ K019	☐ K035	☐ K051	☐ K088	☐ K106 LM	☐ K126
☐ K004	☐ K020	☐ K036	☐ K052	☐ K090	☐ K107	☐ K131
☐ K005	☐ K021	☐ K037	☐ K060	☐ K091	☐ K108	☐ K132
☐ K006 AN	☐ K022	☐ K038	☐ K061	☐ K093	☐ K109	☐ K136
☐ K006 HY	☐ K023	☐ K039	☐ K062	☐ K094	☐ K110	☐ K141
☐ K007	☐ K024	☐ K040	☐ K064	☐ K095	☐ K111	☐ K142
☐ K008	☐ K025	☐ K041	☐ K065	☐ K096	☐ K112	☐ K143
☐ K009	☐ K026	☐ K042	☐ K066	☐ K097	☐ K113	☐ K144
☐ K010	☐ K027	☐ K043 (NJ only)	☐ K069 CS	☐ K098	☐ K114	☐ K145
☐ K011	☐ K028	☐ K044	☐ K071	☐ K099 (NJ only)	☐ K115	☐ K147
☐ K013	☐ K029	☐ K045	☐ K073	☐ K100	☐ K116	☐ K148
☐ K014	☐ K030	☐ K046	☐ K083	☐ K101	☐ K117	☐ K149
☐ K015	☐ K031	☐ K047	☐ K084	☐ K102	☐ K118	☐ K150
☐ K016	☐ K032	☐ K048	☐ K085	☐ K103	☐ K123	☐ K151

Note: Following "K" Codes Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ K069NC ☐ K106HM

"P" LISTED CODES

Check All Applicable Waste Codes — Check All Applicable Waste Codes

☐ P001	☐ P012	☐ P026	☐ P039	☐ P050	☐ P065 LM	☐ P077
☐ P002	☐ P013	☐ P027	☐ P040	☐ P051	☐ P066	☐ P081
☐ P003	☐ P014	☐ P028	☐ P041	☐ P054	☐ P067	☐ P082
☐ P004	☐ P016	☐ P029	☐ P042	☐ P056	☐ P068	☐ P084
☐ P005	☐ P017	☐ P030	☐ P043	☐ P057	☐ P069	☐ P085
☐ P006	☐ P018	P031	☐ P044	☐ P058	☐ P070	☐ P088
☐ P007	☐ P020	33	☐ P045	☐ P059	☐ P071	☐ P089
☐ P008	☐ P021	34	☐ P046	☐ P060	☐ P072	☐ P092 LM
☐ P009	☐ P022	P036	☐ P047	☐ P062	☐ P073	☐ P093
☐ P010	☐ P023	37	☐ P048	☐ P063	☐ P074	☐ P094
☐ P011	☐ P024	P038	☐ P049	☐ P064	☐ P075	☐ P095

☐ P096	☐ P101	☐ P105	☐ P110	☐ P114	☐ P119	☐ P123
☐ P097	☐ P102	☐ P106	☐ P111	☐ P115	☐ P120	
☐ P098	☐ P103	☐ P108	☐ P112	☐ P116	☐ P121	
☐ P099	☐ P104	☐ P109	☐ P113	☐ P118	☐ P122	

Note: Following "P" Codes Acceptable only for Off-Site Transfer and Disposal: ☐ P015 ☐ P065 HM ☐ P075 ☐ P078 ☐ P087 ☐ P092 HM

Check All Applicable Waste Codes

"U" LISTED CODES

Check All Applicable Waste Codes

☐ U001	☐ U037	☐ U075	☐ U112	☐ U148	☐ U184	☐ U223
☐ U002	☐ U038	☐ U076	☐ U113	☐ U149	☐ U185	☐ U225
☐ U003	☐ U039	☐ U077	☐ U114	☐ U150	☐ U186	☐ U226
☐ U004	☐ U041	☐ U078	☐ U115	☐ U151 LM	☐ U187	☐ U227
☐ U005	☐ U042	☐ U079	☐ U116	☐ U152	☐ U188	☐ U228
☐ U006	☐ U043	☐ U080	☐ U117	☐ U153	☐ U189	☐ U234
☐ U007	☐ U044	☐ U081	☐ U118	☐ U154	☐ U190	☐ U235 (NJ only)
☐ U008	☐ U045	☐ U082	☐ U119	☐ U155	☐ U191	☐ U236
☐ U009	☐ U046	☐ U083	☐ U120	☐ U156	☐ U192	☐ U237
☐ U010	☐ U047	☐ U084	☐ U121	☐ U157	☐ U193	☐ U238
☐ U011	☐ U048	☐ U085	☐ U122	☐ U158	☐ U194	☐ U239
☐ U012	☐ U049	☐ U086	☐ U123	☐ U159	☐ U196	☐ U240
☐ U014	☐ U050	☐ U087	☐ U124	☐ U160	☐ U197	☐ U243
☐ U015	☐ U051	☐ U088	☐ U125	☐ U161	☐ U200	☐ U244
☐ U016	☐ U052	☐ U089	☐ U126	☐ U162	☐ U201	☐ U246
☐ U017	☐ U053	☐ U090	☐ U127	☐ U163	☐ U202	☐ U247
☐ U018	☐ U055	☐ U091	☐ U128	☐ U164	☐ U203	☐ U248
☐ U019	☐ U056	☐ U092	☐ U129	☐ U165	☐ U204	☐ U249
☐ U020	☐ U057	☐ U093	☐ U130	☐ U166	☐ U205	☐ U328
☐ U021	☐ U058	☐ U094	☐ U131	☐ U167	☐ U206	☐ U353
☐ U022	☐ U059	☐ U095	☐ U132	☐ U168	☐ U207	☐ U359
☐ U023	☐ U060	☐ U096	☐ U133	☐ U169	☐ U208	
☐ U024	☐ U061	☐ U097	☐ U134	☐ U170	☐ U209	
☐ U025	☐ U062	☐ U098	☐ U135	☐ U171	☐ U210	
☐ U026	☐ U063	☐ U099	☐ U136	☐ U172	☐ U211	
☐ U027	☐ U064	☐ U101	☐ U137	☐ U173	☐ U213	
☐ U028	☐ U066	☐ U102	☐ U138	☐ U174	☐ U214	
☐ U029	☐ U067	☐ U103	☐ U140	☐ U176	☐ U215	
☐ U030	☐ U068	☐ U105	☐ U141	☐ U177	☐ U216	
☐ U031	☐ U069	☐ U106	☐ U142	☐ U178	☐ U217	
☐ U032	☐ U070	☐ U107	☐ U143	☐ U179	☐ U218	
☐ U033	☐ U071	☐ U108	☐ U144	☐ U180	☐ U219	
☐ U034	☐ U072	☐ U109	☐ U145	☐ U181	☐ U220	
☐ U035	☐ U073	☐ U110	☐ U146	☐ U182	☐ U221	
☐ U036	☐ U074	☐ U111	☐ U147	☐ U183	☐ U222	

Note: Following "U" Code Acceptable only for Off-Site Transfer and Disposal (Unacceptable for incineration): ☐ U151 HM

OTHER RES INCINERATION UNACCEPTABLES

Unacceptable EPA Waste Codes (Permit Restricted)

- D003 Explosives
- D002, D004-D011 (High level radioactive wastes from processing of fuel rods).
- The following "F" Listed Dioxin Waste Codes:
  - F020
  - F021
  - F022
  - F023
  - F026
  - F027
  - F028

Unacceptable Hazardous Constituents

The following Dioxins constituents are unacceptable above the LDR treatment standard:

- All HxCDDs
- All HxCDFs
- All PeCDDs
- All PeCDFs
- All TCDDs
- All TCDFs

- Kepone in any concentration is unacceptable at RES (NJ).

Note: Acceptance of the Dioxin [illegible]tuents in non-listed Dioxin Wastes are on a case-by-case ba[illegible]

SECTION 2: UNDERLYING HAZARDOUS CONSTITUENTS (UHCs)

(40 CFR§268.48) RES Waste Stream No. _____ L036882

INORGANIC CONSTITUENTS

Check all Applicable Constituents

- ☐ Antimony
- ☐ Arsenic
- ☐ BARIUM
- ☐ BERYLLIUM
- ☐ Cadmium
- ☐ Chromium
- ☐ Cyanides (Total)
- ☐ Cyanides (Amenable)
- ☐ Fluoride
- ☐ Lead
- ☐ Mercury
- ☐ Nickel
- ☐ SELENIUM
- ☐ Silver
- ☐ Sulfide

Check all Applicable Constituents

- ☐ THALLIUM
- ☐ Vanadium (Not an Underlying Hazardous Constituent except in F[illegible] wastewaters)

ORGANIC ACCEPTABLE CONSTITUENTS

Check all Applicable Constituents

- ☐ Acenaphthylene
- ☐ Acenaphthene
- ** ☐ *Acetone*
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ** ☐ *Benzene*
- ☐ Benz(a)anthracene
- ☐ Benzal chloride
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Methyl bromide (Bromomethane)
- ☐ 4-Bromophenyl phenyl ether
- ** ☐ *n-Butyl alcohol*
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ** ☐ *CARBON DISULFIDE*
- ** ☐ *Carbon tetrachloride*
- ☐ Chlordane(alpha & gamma isomers)
- ☐ p-Chloroaniline
- ** ☐ *Chlorobenzene*
- ☐ Chlorobenzilate
- ☐ 2-Chloro-1,3-butadiene
- ☐ Chlorodibromethane
- ☐ Chloroethane
- ☐ bis(2-Chloroethoxy)methane
- ☐ bis(2-chloroethyl)ether
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl)ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether
- ☐ Chloromethane (Methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ** ☐ *o-Cresol*
- ** ☐ *m-Cresol*
- ** ☐ *p-Cresol*
- ** ☐ *CYCLOHEXANONE*
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ Ethylene dibromide (1,2-Dibromoethane)
- ☐ Dibromomethane
- ☐ 2,4,D (2-4-Dichlorophenoxyacetic acid)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h)anthracene
- ☐ Dibenz(a,e)pyrene
- ☐ m-Dichlorobenzene
- ** ☐ *o-Dichlorobenzene*
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans,1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis-1,3-Dichloropropylene
- ☐ trans-1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ p-Dimethylaminoazobenzene
- ☐ Di-n-propylnitrosamine
- ☐ 1,4-Dioxane
- ☐ Diphenylamine
- ☐ Diphenylnitrosamine
- ☐ 1,2-Diphenylhydrazine
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ** ☐ *Ethyl acetate*
- ☐ Ethyl cyanide (Propanenitrile)
- ** ☐ *Ethyl benzene*
- ** ☐ *Ethyl ether*
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno (1,2,3-c,d) pyrene
- ☐ Iodomethane
- ** ☐ *Isobutyl alcohol*
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ** ☐ *METHANOL*
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene bis (2-chloroaniline)
- ** ☐ *Methylene chloride*
- ** ☐ *Methyl ethyl ketone*
- ** ☐ *Methyl isobutyl ketone*
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline
- ☐ p-Nitroaniline
- ** ☐ *Nitrobenzene*
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodimethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ TOTAL PCBs
- ☐ Pentachlorobenzene
- ☐ Pentachloroethane
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Pyrene
- ** ☐ *Pyridine*
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5-Trichloro phenoxy-acetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ** ☐ *Tetrachloroethylene*
- ☐ 2,3,4,6-Tetrachlorophenol
- ** ☐ *Toluene*
- ☐ Toxaphene
- ☐ Bromoform (Tribromomethane)
- ☐ 1,2,4-Trichlorobenzene
- ** ☐ *1,1,1-Trichloroethane*
- ** ☐ *1,1,2-Trichloroethane*
- ** ☐ *Trichloroethylene*
- ** ☐ *Trichloromonofluoromethane*
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorphenol
- ☐ 1,2,3-Trichloropropane
- ** ☐ *1,1,2-Trichloro-1,2,2,-trifluoro-ethane*
- ☐ TRIS-(2,3-DIBROMOPROPYL) PHOSPHATE (RES INJI only)
- ☐ Vinyl chloride
- ** ☐ *Xylenes-total mixed isomers*

Note: Constituents in bold type have been highlighted for RES purposes only.

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
CONTAMINATED TANK INSULATION - PHTHALIC ANHYDRIDE

B. EPA hazardous waste code Page 19.
4190

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type M	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821		A51	1	B319	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
420.0	0.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1		M		
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W	☐ 1 Yes			
W	☐ 2 No			

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
CONTAMINATED RAW MATERIAL - HYDROQUINONE

B. EPA hazardous waste code Page 19.
X910

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	M	A57	1	B319	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
105.0	0.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1		M		
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W	☐ 1 Yes			
W	☐ 2 No			

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
LEAKAGE FROM PUMP SEAL

B. EPA hazardous waste code Page 19.
0001

C. State hazardous waste code Page 19.

D. SIC code Page 19.
2821

E. Origin code 2 Page 19
System Type M

F. Source code Page 20.
A

G. Point of measurement Page 20.
2

H. Form code Page 20.
B 201

I. RCRA - radioactive mixed Page 20.
2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.
400.0

B. Quantity generated in 1995 Page 21.
0.0

C. UOM Page 21.
1

Density
.
☐ 1 lbs/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.
M

Quantity treated, disposed, or recycled on site in 1995
.

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.
M

Quantity treated, disposed, or recycled on site in 1995
.

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22.
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1		M		.
Site 2		M		.

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL Company
Composite Polymers Division

EPA ID NO: PA0 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
Sampling waste from Inbound Raw Material - Consists of Phthalic Anhydride

B. EPA hazardous waste code Page 19.
U190 D008
D007 D006

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / System Type Page 19	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821	1 / M	A58	1	B409	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
310.0		1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1		M		
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W / W W	☐ 1 Yes ☐ 2 No			

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ASHLAND CHEMICAL COMPANY COMPOSITE POLYMER DIVISION

EPA ID NO: PAD 980 552 251

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.
CONTAMINATED RAW MATERIAL - 2,4 PENTANEDIONE

B. EPA hazardous waste code Page 19.
D001

C. State hazardous waste code Page 19.

D. SIC code Page 19.	E. Origin code / Page 19 System Type M	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
2821		A58	1	B219	2

Sec. II

A. Quantity generated in 1994 Instruction Page 21.	B. Quantity generated in 1995 Page 21.	C. UOM Page 21.	Density	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
1020.0	0.0	1	☐ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995	On-site process system type Page 22.	Quantity treated, disposed, or recycled on site in 1995
M		M	

Sec. III

A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1995 Page 23.
Site 1		M		
Site 2		M		

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 25.	D. Quantity recycled in 1995 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1995 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

2-4 PENTANEDIONE

ASHLAND CHEMICAL COMPANY
PHILADELPHIA COMPOSITE POLYMERS PLANT

WEEKLY INSPECTION OF WASTE ACCUMULATION AREAS

INSPECTOR: PAUL LARREA
DATE: _____
TIME: _____

ITEM	REPAIRS NEEDED		STATUS		DESCRIBE REPAIRS NEEDED, ACTIONS TAKEN, OBSEVATIONS AND COMMENTS
	Yes	No	Ok	Not Ok	
TANK 251					
Foundation & Struct. Support					
Pipe Connections					
Protective Coating					
Tank Shell					
Nozzles					
Labels					
DRUM STORAGE BLDG 10 AISLE 35 & 36					
Drum Condition					
Labels					
Spill Pans					
No Incompatible Materials					
Area Clean	XXXXX	XXXXX			
Fire System					

Ashland Chemical

Composite Polymers Division

Ashland Chemical Company
Division of
Ashland Inc.

Address Reply:
2801 Christopher Columbus Blvd.
(Formerly Delaware Ave.)
Philadelphia, PA 19148-5103
Tel.: (215) 336-6500
Fax: (215) 336-2878

Pennsylvania Department of
Environmental Resources
Bureau of Waste Resources
PO BOX 8550
Harrisburg, PA 17105-8550

April 17, 1995

Dear Sirs,

This letter is to inform you of a waste stream shipped as non-hazardous was retested to be hazardous.

Ethylene Glycol was used to wash out a vessel, and drummed. Our normal procedure was followed by taking a composite sample and submitting to Clean Harbors for a "fingerprint" analysis. The analysis was as predicted (See copy of the CleanHarbors **Sample ID:** U64067 results).

The 11 drums (total gross weight of 5520 pounds)were shipped to CleanHarbors using a non-hazardous waste manifest No.3344 prepared by CleanHarbors for the shipment on March 27, 1995.

After shipment, CleanHarbors notified me that the drums had a flash point. After CleanHarbors certified lab retested 3 samples (2-4 drum composites, and 1-3 drum composite), it was determined by CleanHarbors that the 2-4 drum composites had a flash point but the 1-3 drum composite did not (See copy of the report analysis). With this analysis the eight drums are considered hazardous waste and a land ban was issued.

Any questions concerning this matter feel free to contact me.

I Thank You,

Joseph V. Rogers
Office Manager

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.
2301 PENNSYLVANIA AVENUE • DEPTFORD, NJ 08096
(609) 589-5000 • FAX (609) 227-9350

This report has been prepared for the exclusive use and benefit of Clean Harbors. No representation concerning sample validity or analytical completeness is hereby made to any other person receiving this report.

Generator: Ashland Chemical Co. **Sample ID:** U64067
Date Analysis Run: 03/10/95 **Sample Type:** Liquid

Parameter	**Result**
Physical Description	A viscous liquid
Percent Solids	0%
pH Screen	7
Water Solubility	Miscible-turns water white
Ignitable Screen	>140 F
BTU Screen	>5000
Percent Chlorine	None Discernable
Reactive Cyanides Screen	None Discernable
Reactive Sulfides Screen	None discernable
Radioactivity Screen	None discernable

Clean Harbors
ENVIRONMENTAL SERVICES, INC.
325 WOOD ROAD • BRAINTREE, MA 02184
(617) 848-1800

TO MIKE GUOST

FR BILL BROWN

REPORT OF ANALYSIS

Clean Harbors Environmental Services, Inc.
Baltimore Facility
1910 Russell Street
Baltimore, MD 21230

Project: ASHLAND
P.O. #: MJ9301

Date Received: 04/11/95
CHES Lab #: 9504165

Attn: Mr. Guy Lambert

Enclosed are the results for the sample(s) delivered to our laboratory (DEP Laboratory ID# M-MA032) on the date indicated above.

The methods listed represent those methodologies which were used to develop the best analytical techniques. Analytical results and quality assurance protocols are based on these guidelines. These meet the requirements for the reporting of results under the RCRA, NPDES and Safe Drinking Water Act regulations.

Clean Harbors Environmental Services has an active program of quality assurance and quality control. The program closely follows the guidance provided in the EPA Contract Laboratory Program Statement of Work (organic and inorganic), the guidance provided in SW-846, and many other pertinent documents.

Should you have any questions concerning this work, please do not hesitate to contact me.

The information contained in this report is, to the best of my knowledge, accurate and complete.

Per/Date: Michael J. Murray 4/6/95

Michael J. Murray
Laboratory Manager