A

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

January 3, 1994

Mr. Ken Akins
Vista Chemical Company
P.O. Box 91
Aberdeen, Mississippi 39730

Dear Mr. Akins:

Re: NPDES Permit No. MS0001970
Monroe County

Enclosed is a copy of the compliance monitoring inspection report and sampling that was performed at the Vista facility on November 17, 1993. The sampling results indicate that the effluent was not in compliance with your NPDES permit limits. The results of this inspection should be used by you as a guide for complying with requirements and limitations as stated by your NPDES permit.

The following violation was noted:

| Parameter | Permit Requirement | Sample Results | Deviation |
|---|---|---|---|
| Residual Chlorine | 0.019 mg/l (Max) | 0.1 mg/l | 426% |

Please notify us by January 14, 1994 of the actions to be taken to correct these deficiencies.

If you have any questions concerning this matter, please contact us at 961-5171.

Respectfully,

John C. Taylor

John C. Taylor
Industrial Wastewater Control Branch

JCT:ap
Enclosures
cc: Mr. Al Herndon, EPA (w/enclosures)
NRO
Mr. Paul Zetterholm (w/attachment)

United States Environmental Protection Agency
Washington, D. C. 20460

# EPA NPDES Compliance Inspection Report

Form Approved A
OMB No. 2040-0003
Approval Expires 7-31-95

## Section A: National Data System Coding

Sixth Insp Sched'd

| Transaction Code | NPDES | yr/mo/day | Inspection Type | Inspector | Fac Type |
|---|---|---|---|---|---|
| 1 N 2 5 | 3 MS0001970 11 | 12 93 11 17 17 | 18 SM | 19 S | 20 2 MOU |

Remarks

21

| Reserved | Facility Evaluation Rating | BI | QA | Reserved | |
|---|---|---|---|---|---|
| 67 69 | 70 | 71 M | 72 M | 73 74 | 75 80 |

## Section B: Facility Data

| Name and Location of Facility Inspected | Entry Time ☐ AM ☐ PM | Permit Effective Date |
|---|---|---|
| Vista Chemical Company<br>Aberdeen, Ms | 11-17-93 | 4-9-91 |
| | **Exit Time/Date** | **Permit Expiration Date** |
| | 11-18-93 | 4-8-96 |

| Name(s) of On-Site Representative(s) | Title(s) | Phone No(s) |
|---|---|---|
| Ken Akins | Environmental Engineer | 369 8111 |

| Name, Address of Responsible Official | Title | |
|---|---|---|
| R. W. Seymour<br>P.O. Box 91<br>Aberdeen, Ms 39730 | Plant Manager | |
| | Phone No. 369 8111 | Contacted ☐ Yes ☐ No |

## Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| N | Permit | S | Flow Measurement | N | Pretreatment | N | Operations & Maintenance |
| N | Records/Reports | N | Laboratory | N | Compliance Schedules | N | Sludge Disposal |
| N | Facility Site Review | U | Effluent/Receiving Waters | N | Self-Monitoring Program | N | Other: |

## Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

001 Flow = 0.75 mgd

| | Permit Requirement | Sample Result | Deviation |
|---|---|---|---|
| Residual Chlorine | 0.019 mg/l (max) | 0.1 mg/l | 426 % |

| Name(s) and Signature(s) of Inspector(s) | Agency/Office/Telephone | Date |
|---|---|---|
| Clift Jeter | MsDEQ/Pollution Control | 12-29-93 |
| | | |
| **Signature of Reviewer** | **Agency/Office** | **Date** |
| John C. Taylor | MsDEQ/Pollution Control | 12-29-93 |

**Regulatory Office Use Only**

| Action Taken | Date | Compliance Status |
|---|---|---|
| | | ☑ Noncompliance<br>☐ Compliance |

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete.

VAB.0001153470

# INSTRUCTIONS

## Section A: National Data System Coding *(i.e., PCS)*

**Column 1: Transaction Code:** Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

**Columns 3-11: NPDES Permit No.** Enter the facility's NPDES permit number. *(Use the Remarks columns to record the State permit number, if necessary.)*

**Columns 12-17: Inspection Date.** Insert the date entry was made into the facility. Use the year/month/day format (e.g., 82/06/30 = June 30, 1982).

**Column 18: Inspection Type.** Use one of the codes listed below to describe the type of inspection:

A — Performance Audit
B — Biomonitoring
C — Compliance Evaluation
D — Diagnostic
E — Corps of Engrs Inspection
L — Enforcement Case Support
P — Pretreatment
R — Reconnaissance Inspection
S — Compliance Sampling
X — Toxic Sampling

**Column 19: Inspector Code.** Use one of the codes listed below to describe the *lead agency* in the inspection.

C — Contractor or Other Inspectors *(Specify in Remarks columns)*
E — Corps of Engineers
J — Joint EPA/State Inspectors—EPA lead
N — NEIC Inspectors
R — EPA Regional Inspector
S — State Inspector
T — Joint State/EPA Inspectors—State lead

**Column 20: Facility Type.** Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1972 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1972 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.

**Columns 21-66: Remarks.** These columns are reserved for remarks at the discretion of the Region.

**Column 70: Facility Evaluation Rating.** Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

**Column 71: Biomonitoring Information.** Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

**Column 72: Quality Assurance Data Inspection.** Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

**Columns 73-80:** These columns are reserved for regionally defined information.

** Month that inspection was to be performed is a three letter abbreviation:
(JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC)

Inspection type should be one of the following combinations

| INSPECTION TYPE | FIRST BOX | SECOND BOX |
|---|---|---|
| CSI | S | blank |
| CSI-T | X | blank |
| CSI-7500 | S | 7 |
| CEI | C | blank |
| CEI-7500 | C | 7 |
| CMI | S | M |

| INSPECTION TYPE | FIRST BOX | SECOND BOX |
|---|---|---|
| PAI | A | blank |
| REC-R | R | R |
| REC-J | R | J |
| BIO-A | B | A |
| BIO-C | B | C |

form last updated 03/13/90

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM  Lab Bench No. 1636

I. GENERAL INFORMATION: Facility Name Vista Polymers
County Code Monroe 095  NPDES Permit No. 01970
Discharge No. 001  Date Requested Nov. 1993
Sample Point Identification process WW
Requested By Compliance Monitoring  Data To J. Taylor
Type of Sample: Grab (X) Composite (Flow ) (Time X) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition cloudy, cool  Collected By Clift Jeter
Where Taken effluent cascade

| Type | Parameters | Preservative | Date | Time |
|---|---|---|---|---|
| 1. Composite | BOD, SS | Cool 4° | 11/17/93 | 1100 |
| 2. Composite | COD | 5 ml $H_2SO_4$ | 11/17/93 | 1100 |
| 3. Composite | NH4 | 5 ml $H_2SO_4$ | 11/17/93 | 1100 |
| 4. Grab | Vinyl Chloride | 4 HCL drops | 11/17/93 | 1100 |
| 5. Grab | Di-N-Octyl Phthalate | Cool 4° | 11/17/93 | 1100 |

III. FIELD:

| Analysis | Computer Code | Request | Results | Analyst | Date |
|---|---|---|---|---|---|
| pH | (000400) | (X) | 7.4 | CJ | 11/17/93 |
| D.O. | (000300) | (X) | 8.6 | CJ | 11/17/93 |
| Temperature | (000010) | ( ) | | | |
| Residual Chlorine Total | (050060) | (X) | 0.1 | CJ | 11/17/93 |
| Flow | (074060) | (X) | .75 | CJ | 11/17/93 |

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) Sun Belt

V. LABORATORY: Received By Kathy Farris  Date 11/18/93  Time 0915
Recorded By Sandy Hammons  Date Sent to State Office

| Analysis | Computer Code | Request | Result | Analyst | Date Measured |
|---|---|---|---|---|---|
| $BOD_5$ | (000310) | (X) | 13.0 mg/l | KF | *11/18/93 |
| COD | (000340) | (X) | <10.0 mg/l | KF | 11/29/93 |
| TOC | (000680) | ( ) | mg/l | | |
| Suspended Solids | (099000) | (X) | 23.0 mg/l | KF | 11/19/93 |
| TKN | (000625) | ( ) | mg/l | | |
| Ammonia-N | (000610) | (X) | 0.40 mg/l | KF | 12/8/93 |
| Fecal Coliform(1) | (074055) | ( ) | colonies/100 ml | | * |
| Fecal Coliform(2) | (074055) | ( ) | colonies/100 ml | | * |
| Total Phosphorus | (000665) | ( ) | mg/l | | |
| Oil and Grease(1) | (000550) | ( ) | mg/l | | |
| Oil and Grease(2) | (000550) | ( ) | mg/l | | |
| Chlorides | (099016) | ( ) | mg/l | | |
| Phenol | (032730) | ( ) | mg/l | | |
| Total Chromium | (001034) | ( ) | mg/l | | |
| Hex. Chromium | (001032) | ( ) | mg/l | | |
| Zinc | (001092) | ( ) | mg/l | | |
| Copper | (001042) | ( ) | mg/l | | |
| Lead | (017501) | ( ) | mg/l | | |
| Cyanide | (000722) | ( ) | mg/l | | |
| ~~Di-N-Octyl Phthalate~~ | | (X) | ~~21.6 ug/l~~ | JK | 12/1/93 |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |

Remarks See Attached.

*Date of Test Initiation

VAB.0001153472

BUREAU OF POLLUTION CONTROL

SAMPLE REQUEST FORM  Lab Bench No. 1637

I. GENERAL INFORMATION: Facility Name Vista Polymers

County Code Monroe 095  NPDES Permit No. 01970

Discharge No. 002  Date Requested November 1993

Sample Point Identification storm water runoff

Requested By Compliance Monitoring  Data To J. Taylor

Type of Sample: Grab (X) Composite (Flow ) (Time ) Other ( )

II. SAMPLE IDENTIFICATION:

Environment Condition cloudy, cool  Collected By Clift Jeter

Where Taken effluent weir

| | Type | Parameters | Preservative | Date | Time |
|---|---|---|---|---|---|
| 1. | Grab | SS | cool 4° | 11/17/93 | 1115 |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

III. FIELD:

| Analysis | Computer Code | Request | Results | Analyst | Date |
|---|---|---|---|---|---|
| pH | (000400) | (X) | 8.2 | CJ | 11/17/93 |
| D.O. | (000300) | ( ) | | | |
| Temperature | (000010) | ( ) | | | |
| Residual Chlorine | (050060) | ( ) | | | |
| Flow | (074060) | (X) | .0183 | CJ | 11/17/93 |

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) Sun Belt

V. LABORATORY: Received By Kathy Farris  Date 11/18/93  Time 0915

Recorded By Sandy Hammons  Date Sent to State Office

| Analysis | Computer Code | Request | Result | | Analyst | Date Measured |
|---|---|---|---|---|---|---|
| $BOD_5$ | (000310) | ( ) | | mg/l | | * |
| COD | (000340) | ( ) | | mg/l | | |
| TOC | (000680) | ( ) | | mg/l | | |
| **Suspended Solids** | (099000) | (X) | 14.0 | mg/l | KF | 11/19/93 |
| TKN | (000625) | ( ) | | mg/l | | |
| **Ammonia-N** | (000610) | ( ) | | mg/l | | |
| **Fecal Coliform(1)** | (074055) | ( ) | | colonies/100 ml | | * |
| Fecal Coliform(2) | (074055) | ( ) | | colonies/100 ml | | * |
| Total Phosphorus | (000665) | ( ) | | mg/l | | |
| Oil and Grease(1) | (000550) | ( ) | | mg/l | | |
| Oil and Grease(2) | (000550) | ( ) | | mg/l | | |
| Chlorides | (099016) | ( ) | | mg/l | | |
| Phenol | (032730) | ( ) | | mg/l | | |
| Total Chromium | (001034) | ( ) | | mg/l | | |
| Hex. Chromium | (001032) | ( ) | | mg/l | | |
| Zinc | (001092) | ( ) | | mg/l | | |
| Copper | (001042) | ( ) | | mg/l | | |
| Lead | (017501) | ( ) | | mg/l | | |
| Cyanide | (000722) | ( ) | | mg/l | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |
| | | ( ) | | | | |

Remarks

*Date of Test Initiation

VAB.0001153473

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1638

I. GENERAL INFORMATION: Facility Name Vista Polymers
County Code Monroe 095 NPDES Permit No. 01970
Discharge No. 003 Date Requested November 1993
Sample Point Identification Storm water runoff
Requested By Compliance Monitoring Data To J. Taylor
Type of Sample: Grab (X) Composite (Flow ) (Time ) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition cloudy, cool Collected By Clift Jeter
Where Taken effluent weir

| | Type | Parameters | Preservative | Date | Time |
|---|---|---|---|---|---|
| 1. | Grab | SS | cool 4° | 11/17/93 | 1120 |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

III. FIELD:

| Analysis | Computer Code | Request | Results | Analyst | Date |
|---|---|---|---|---|---|
| pH | (000400) | (X) | 8.0 | CJ | 11/17/93 |
| D.O. | (000300) | ( ) | | | |
| Temperature | (000010) | ( ) | | | |
| Residual Chlorine | (050060) | ( ) | | | |
| Flow | (074060) | (X) | .0057 | CJ | 11/17/93 |

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) Sun Belt

V. LABORATORY: Received By Kathy Farris Date 11/18/93 Time 0915
Recorded By Sandy Hammons Date Sent to State Office

| Analysis | Computer Code | Request | Result | Analyst | Date Measured |
|---|---|---|---|---|---|
| $BOD_5$ | (000310) | ( ) | mg/l | | * |
| COD | (000340) | ( ) | mg/l | | |
| TOC | (000680) | ( ) | mg/l | | |
| **Suspended Solids** | **(099000)** | **(X)** | 26.0 mg/l | KF | 11/19/93 |
| **TKN** | **(000625)** | **( )** | **mg/l** | | |
| **Ammonia-N** | **(000610)** | **( )** | **mg/l** | | |
| **Fecal Coliform(1)** | **(074055)** | **( )** | **colonies/100 ml** | | * |
| **Fecal Coliform(2)** | **(074055)** | **( )** | **colonies/100 ml** | | * |
| **Total Phosphorus** | **(000665)** | **( )** | **mg/l** | | |
| **Oil and Grease(1)** | **(000550)** | **( )** | **mg/l** | | |
| **Oil and Grease(2)** | **(000550)** | **( )** | **mg/l** | | |
| **Chlorides** | **(099016)** | **( )** | **mg/l** | | |
| **Phenol** | **(032730)** | **( )** | **mg/l** | | |
| **Total Chromium** | **(001034)** | **( )** | **mg/l** | | |
| **Hex. Chromium** | **(001032)** | **( )** | **mg/l** | | |
| **Zinc** | **(001092)** | **( )** | **mg/l** | | |
| **Copper** | **(001042)** | **( )** | **mg/l** | | |
| **Lead** | **(017501)** | **( )** | **mg/l** | | |
| **Cyanide** | **(000722)** | **( )** | **mg/l** | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |

Remarks

*Date of Test Initiation

VAB.0001153474

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1639

I. GENERAL INFORMATION: Facility Name Vista Polymers
County Code Monroe 055 NPDES Permit No. [redacted] 01970
Discharge No. 004 Date Requested
Sample Point Identification air compressor cooling water & storm water runoff
Requested By Compliance Monitoring Data To J. Taylor
Type of Sample: Grab (X) Composite (Flow ) (Time ) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition cloudy, cool Collected By Clift Jeter
Where Taken effluent weir

| | Type | Parameters | Preservative | Date | Time |
|---|---|---|---|---|---|
| 1. | Field Analysis | pH flow | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

III. FIELD:

| Analysis | Computer Code | Request | Results | Analyst | Date |
|---|---|---|---|---|---|
| pH | (000400) | (X) | 7.8 | CJ | 11/17/93 |
| D.O. | (000300) | ( ) | | | |
| Temperature | (000010) | ( ) | | | |
| Residual Chlorine | (050060) | ( ) | | | |
| Flow | (074060) | (X) | .0089 | CJ | 11/17/93 |

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) Field Analysis

V. LABORATORY: Received By Kathy Farris Date 11/18/93 Time 0915
Recorded By Sandy Hammons Date Sent to State Office

| Analysis | Computer Code | Request | Result | Analyst | Date Measured |
|---|---|---|---|---|---|
| $BOD_5$ | (000310) | ( ) | mg/l | | * |
| COD | (000340) | ( ) | mg/l | | |
| TOC | (000680) | ( ) | mg/l | | |
| Suspended Solids | (099000) | ( ) | mg/l | | |
| TKN | (000625) | ( ) | mg/l | | |
| Ammonia-N | (000610) | ( ) | mg/l | | |
| Fecal Coliform(1) | (074055) | ( ) | colonies/100 ml | | * |
| Fecal Coliform(2) | (074055) | ( ) | colonies/100 ml | | * |
| Total Phosphorus | (000665) | ( ) | mg/l | | |
| Oil and Grease(1) | (000550) | ( ) | mg/l | | |
| Oil and Grease(2) | (000550) | ( ) | mg/l | | |
| Chlorides | (099016) | ( ) | mg/l | | |
| Phenol | (032730) | ( ) | mg/l | | |
| Total Chromium | (001034) | ( ) | mg/l | | |
| Hex. Chromium | (001032) | ( ) | mg/l | | |
| Zinc | (001092) | ( ) | mg/l | | |
| Copper | (001042) | ( ) | mg/l | | |
| Lead | (017501) | ( ) | mg/l | | |
| Cyanide | (000722) | ( ) | mg/l | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
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| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |
| | | ( ) | | | |

Remarks No Sample.

*Date of Test Initiation