NJ 002 325 074

6D

Form T-VWX-014
5/83

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

Figure 3

# MONITORING REPORT – TRANSMITTAL SHEET

651257

| NJPDES NO. | REPORTING PERIOD MO. YR. | | MO. YR. |
|---|---|---|---|
| 0 0 7 0 3 4 3 | 0 9 9 2 | THRU | 1 1 9 2 |

**PERMITTEE:** Name Lenox China

Address Tilton Road

Pomona, NJ 08240

**FACILITY:** Name Lenox China

Address Tilton Road

Pomona, NJ (County) Atlantic

Telephone ( 609 ) 641-3700

**FORMS ATTACHED** *(Indicate Quantity of Each)*

SLUDGE REPORTS - SANITARY

☐ T-VWX-007 ☐ T-VWX-008 ☐ T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

☐ T-VWX-010A ☐ T-VWX-010B

WASTEWATER REPORTS

☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013

GROUNDWATER REPORTS

20 VWX-015(A,B) 6 VWX-016 ☐ VWX-017

NPDES DISCHARGE MONITORING REPORT

☐ EPA FORM 3320-1

**OPERATING EXCEPTIONS**

| | YES | NO |
|---|---|---|
| DYE TESTING | ☐ | ☐ |
| TEMPORARY BYPASSING | ☐ | ☐ |
| DISINFECTION INTERRUPTION | ☐ | ☐ |
| MONITORING MALFUNCTIONS | ☐ | ☐ |
| UNITS OUT OF OPERATION | ☐ | ☐ |
| OTHER | ☐ | ☐ |

*(Detail any "Yes" on reverse side in appropriate space.)*

*NOTE: The "Hours Attended at Plant" on the reverse of this sheet must also be completed.*

**AUTHENTICATION** - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe 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.

LICENSED OPERATOR

Name *(Printed)* _____

Grade & Registry No. _____

Signature _____

Date _____

PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE

Name *(Printed)* John F. Kinkela

Title *(Printed)* Director of Environmental Engineering

Signature John F. Kinkela

Date 1993 – January 29, 1993

LENOX CHINA, INC.
TILTON ROAD
POMONA, NJ 08240

DISCHARGE MONITORING REPORT (DMR)

NJ0070343 — PERMIT NUMBER

103 P — DISCHARGE NUMBER

F - FINAL

WASTEWATER IN TILTON RD POND

MONITORING PERIOD

| FROM YEAR | MO | DAY | TO YEAR | MO | DAY |
|---|---|---|---|---|---|
| 92 | 09 | 01 | 92 | 11 | 30 |

MINOR (SUBR A) NJDEP

NOTE: Read instructions before completing this form.

John F. Kinkela

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ERATURE, WATER CENTIGRADE 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | 18.2 | 18.2 | 18.2 | | 0 | once/1 | GRAB |
| | PERMIT REQUIREMENT | | | | | NUNSP AV | NUNSP MX | DEG.C | | WKLY | GRAB |
| OXYGEN DEMAND LEVEL) (COD) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <4.3 | <8.2 | | | <7 | <7 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NUNSP AV | NUNSP MX | KG/DAY | | NUNSP AV | NUNSP MX | MG/L | | WKLY | GRAB |
| 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | 8.49 | | 8.49 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | | | | MINIMUM | | MAXIMUM | SU | | WKLY | GRAB |
| S, TOTAL NDED 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <2.5 | <4.7 | | | <4 | <4 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NUNSP AV | NUNSP MX | KG/DAY | | NUNSP AV | NUNSP MX | MG/L | | WKLY | GRAB |
| ATE PLUS NITRATE 1 DET. (AS N) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <0.06 | <0.11 | | | <0.09 | <0.09 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NUNSP AV | NUNSP MX | KG/DAY | | NUNSP AV | NUNSP MX | MG/L | | WKLY | GRAB |
| HORUS, TOTAL (AS P) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <0.03 | <0.06 | | | <0.05 | <0.05 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NUNSP AV | NUNSP MX | KG/DAY | | NUNSP AV | NUNSP MX | MG/L | | WKLY | GRAB |
| ORGANIC CARBON (TOC) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <0.3 | <0.6 | | | <0.5 | <0.5 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NUNSP AV | NUNSP MX | KG/DAY | | NUNSP AV | NUNSP MX | MG/L | | WKLY | GRAB |

TITLE PRINCIPAL EXECUTIVE OFFICER

J.J. Ciszewski
Pres. Lenox Mfg.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE 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 SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years)

John F. Kinkela

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 609, NUMBER 484-9798

DATE: YEAR 93, MO 01, DAY 29

IT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

WATER IN TILTON RD POND

3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED (REPLACES EPA FORM T-40 WH MAY NOT BE USED.)

00606/061485-0751

PAGE 1 OF

LENOX CHINA, INC.
TILTON ROAD
POMONA, NJ 08240

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
B No. 2040-0
Expires 2-29-84

NJ0070343 — PERMIT NUMBER
103 P — DISCHARGE NUMBER
F - FINAL
WASTEWATER IN TILTON RD POND

MONITORING PERIOD

| FROM YEAR | MO | DAY | TO YEAR | MO | DAY |
|---|---|---|---|---|---|
| 92 | 09 | 01 | 92 | 11 | 30 |

MINOR (SUBR A) NJDEP

NAME: John F. Kinkela

NOTE: Read instructions before completing this form.

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMP. TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UM, TOTAL (AS NA) 29 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | WKLY | GRAB |
| ATE, TOTAL (AS SO4) 65 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | WKLY | GRAB |
| MIUM, TOTAL (AS CR) 34 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <0.03 | <0.06 | | | <0.05 | <0.05 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | KG/DAY | | NONSP AV | NONSP MX | UG/L | | WKLY | GRAB |
| D, TOTAL (AS PB) 51 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | <0.03 | <0.06 | | | <0.05 | <0.05 | | 0 | 1 | GRAB |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | KG/DAY | | NONSP AV | NONSP MX | UG/L | | WKLY | GRAB |
| , IN CONDUIT OR J TREATMENT PLANT 50 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | 0.162* | 0.286* | | | | | | 0 | CONT | CONT |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | MGD | | | | | | CONTINUOUS | CONT |
| DS, TOTAL SOLVED-180 DEG. C 00 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | | 80 | 80 | | 1 | 1 | GRAB |
| | PERMIT REQUIREMENT | | | | | NONSP AV | NONSP MX | MG/L | | WKLY | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

J.J. Ciszewski
Pres. Lenox Mfg.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE 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. SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and a maximum imprisonment of between 6 months and 5 years.)

John F. Kinkela
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 609, NUMBER 484-9798

DATE: YEAR 93, MO 01, D 29

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

WASTEWATER IN TILTON RD POND

*These flows include 0.025 MGD of estimated flow.

...ERVA GRAHA, INC.
...TILTON ROAD
...POMONA, NJ 08240

NJ00 70343 — PERMIT NUMBER

102 P — DISCHARGE NUMBER

F - FINAL

WASTEWATER IN POLISHING LAGOON

...B No. 2040-0...
...pires 2-29-84

MONITORING PERIOD

| FROM YEAR | MO | DAY | TO YEAR | MO | DAY |
|---|---|---|---|---|---|
| 92 | 09 | 01 | 92 | 11 | 30 |

...: John F. Kinkela

MINOR (SUBR A) NJDEP

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | | QUANTITY OR LOADING (46-53) AVERAGE | (54-61) MAXIMUM | UNITS | QUALITY OR CONCENTRATION (46-53) MINIMUM | (54-61) AVERAGE | (54-61) MAXIMUM | UNITS | NO. EX (62-65) | FREQUENCY OF ANALYSIS (66-68) | SAMP. TYPE (69-70) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ...ERATURE, WATER CENTIGRADE | SAMPLE MEASUREMENT | | | | NODI | NODI | NODI | | | | |
| ...) 0 0 COMMENTS BELOW | PERMIT REQUIREMENT | | | | | MONSP AV | MONSP MX | DEG.C | | ...NLY | GRAB |
| ... OXYGEN DEMAND ... LEVEL) (COD) | SAMPLE MEASUREMENT | | | | | NODI | NODI | | | | |
| ...) 0 0 COMMENTS BELOW | PERMIT REQUIREMENT | MONSP AV | MONSP MX | KG/DAY | | MONSP AV | MONSP MX | MG/L | | ...NLY | GRAB |
| ...) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | | | | NODI | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | | | | MINIMUM | | MAXIMUM | SU | | ...NLY | GRAB |
| ...DS, TOTAL ...ENDED ...) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | MONSP AV | MONSP MX | KG/DAY | | MONSP AV | MONSP MX | MG/L | | ...NLY | GRAB |
| ...ATE PLUS NITRATE ... 1 DET. (AS N) ...) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | MONSP AV | MONSP MX | KG/DAY | | MONSP AV | MONSP MX | MG/L | | ...NLY | GRAB |
| ...PHORUS, TOTAL (AS P) ...5 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | MONSP AV | MONSP MX | KG/DAY | | MONSP AV | MONSP MX | MG/L | | ...NLY | GRAB |
| ... ORGANIC CARBON (TOC) ...) 0 0 COMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | MONSP AV | MONSP MX | KG/DAY | | MONSP AV | MONSP MX | MG/L | | ...NLY | GRAB |

TITLE PRINCIPAL EXECUTIVE OFFICER: J.J. Ciszewski, Pres. Lenox Mfg.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE 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. SEE 18 USC 1001 AND 33 USC 1319. (Penalties under these statutes may include fines of up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: John F. Kinkela

TELEPHONE: AREA CODE 609, NUMBER 484-9798

DATE: YEAR 93, MO 01, DA 2

...NT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

...WATER IN POLISHING LAGOON

Note: This unit is out of service and empty since 6/9/92 and is in the process of being closed. Consequently, No samples could be taken during November sampling.

LENOX CHINA, INC.
TILTON ROAD
POMONA, NJ 08240

John F. Kinkela

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)

Form Approved. OB No. 2040-00 Expires 2-29-84

NJ0070343 (PERMIT NUMBER)

102 P (DISCHARGE NUMBER)

F = FINAL

WASTEWATER IN POLISHING LAGOON

MONITORING PERIOD

| FROM YEAR | MO | DAY | TO YEAR | MO | DAY |
|---|---|---|---|---|---|
| 92 | 09 | 01 | 92 | 11 | 30 |

MINOR (SUBR A ) NJDEP

NOTE: Read instructions before completing this form.

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| M, TOTAL (AS NA) 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | WKLY | GRAB |
| TE, TOTAL (AS SO4) 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | WKLY | GRAB |
| IUM, TOTAL (AS CR) 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | KG/DAY | | NONSP AV | NONSP MX | UG/L | | WKLY | GRAB |
| TOTAL (AS PB) 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | KG/DAY | | NONSP AV | NONSP MX | UG/L | | WKLY | GRAB |
| IN CONDUIT OR TREATMENT PLANT 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | NODI | NODI | | | | | | | | |
| | PERMIT REQUIREMENT | NONSP AV | NONSP MX | MGD | | | | | | CONTINUOUS | |
| E, TOTAL LVED-180 DEG. C 0 0 OMMENTS BELOW | SAMPLE MEASUREMENT | | | | | NODI | NODI | | | | |
| | PERMIT REQUIREMENT | | | | | NONSP AV | NONSP MX | MG/L | | WKLY | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

TITLE PRINCIPAL EXECUTIVE OFFICER: J.J. Ciszewski, Pres. Lenox Mfg.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE 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 SEE 18 USC § 1001 AND 33 USC § 1319 (Violations under these statutes can include fines up to $10,000 and or imprisonment of between 6 months and 5 years.)

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: John F. Kinkela

TELEPHONE: AREA CODE 609 NUMBER 484-9798

DATE: YEAR 93 MO 01 DA 29

LIST AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

WATER IN POLISHING LAGOON Note: This unit is out of service and empty since 6/9/92 and is in the process of being closed. Consequently, No samples could be taken during November sampling round.

**Table 1**
**Groundwater and Surface Water Chemistry Data**
**Lenox China**
**Tilton Road Facility**
**November 10 and 11, 1992**



| Parameter | Units | Sample Locations | | | | |
|---|---|---|---|---|---|---|
| | | MW-1 | MW-3 | MW-4 | MW-6 | MW-7 |
| Temperature, Field | °C | 16.5 | 19.3 | 15.9 | 15.8 | 15.2 |
| pH, Lab | pH units | 4.96 | 5.98 | 5.92 | 4.30 | 6.38 |
| Total Suspended Solids | mg/l | (1) | - | - | - | - |
| Total Dissolved Solids | mg/l | 50 | 210 | 230 | 220 | 230 |
| Nitrite-Nitrogen | mg/l $NO_2$-N | - | - | - | - | - |
| Nitrate-Nitrogen | mg/l $NO_3$-N | - | - | - | - | - |
| Ammonia-Nitrogen | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Phosphorus, Total as P | mg/l | - | - | - | - | - |
| Total Organic Carbon | mg/l | 2.0 | 2.0 | 3.1 | 1.9 | 1.8 |
| Color | CP units | 25 | 30 | 5 | 5 | 35 |
| Odor | T.O.N. | 1 | 1 | 0 | 1 | 1 |
| Trans-1,2-Dichloroethene | µg/l | <1 | <1 | - | <1 | - |
| Trichloroethene | µg/l | <0.5 | 0.9 | - | <0.5 | - |
| 1,1-Dichloroethene | µg/l | <1 | <1 | - | <1 | - |
| Vinyl Chloride | µg/l | <1 | <1 | - | <1 | - |
| Cis-1,2-Dichloroethene | µg/l | <1 | 2 | - | <1 | - |
| Chemical Oxygen Demand | mg/l | - | - | - | - | - |
| Chromium | mg/l | - | - | - | - | - |
| Iron | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Lead | mg/l | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Manganese | mg/l | 0.02 | 0.02 | 0.02 | 0.05 | 0.02 |
| Sodium | mg/l | 8.1 | 20 | 82 | 17.2 | 19.1 |
| Sulfate | mg/l | 20 | 43 | 131 | 121 | 101 |
| Dissolved Oxygen | mg/l | 6.0 | 5.0 | 9.5 | 7.0 | 6.2 |

See footnotes at end of table.

**Table 1**
**(Continued)**



| Parameter | Units | Sample Locations | | | | |
|---|---|---|---|---|---|---|
| | | MW-8 | MW-9 | MW-9 (Dup) | MW-10 | MW-15 |
| Temperature, Field | °C | 15.9 | 17.3 | 17.2 | 15.3 | 16.9 |
| pH, Lab | pH units | 6.16 | 6.80 | 6.73 | 4.95 | 4.98 |
| Total Suspended Solids | mg/l | - | - | - | - | - |
| Total Dissolved Solids | mg/l | 200 | 410 | 480 | 250 | 290 |
| Nitrite-Nitrogen | mg/l $NO_2$-N | - | - | - | - | - |
| Nitrate-Nitrogen | mg/l $NO_3$-N | - | - | - | - | - |
| Ammonia-Nitrogen | mg/l | 0.5 | 1.4 | 1.5 | <0.1 | <0.1 |
| Phosphorus, Total as P | mg/l | - | - | - | - | - |
| Total Organic Carbon | mg/l | 1.8 | 2.9 | 3.2 | 1.7 | 2.1 |
| Color | CP units | 50 | 40 | 60 | 10 | 30 |
| Odor | T.O.N. | 2 | 4 | 4 | 0 | 4 |
| Trans-1,2-Dichloroethene | µg/l | - | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/l | - | <0.5 | <0.5 | 7.5 | 51 |
| 1,1-Dichloroethene | µg/l | - | <1 | <1 | <1 | 2 |
| Vinyl Chloride | µg/l | - | <1 | <1 | <1 | <1 |
| Cis-1,2-Dichloroethene | µg/l | - | <1 | <1 | 3 | 7 |
| Chemical Oxygen Demand | mg/l | - | - | - | - | - |
| Chromium | mg/l | - | - | - | - | - |
| Iron | mg/l | 0.3 | 2 | 2.1 | 0.4 | 0.1 |
| Lead | mg/l | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Manganese | mg/l | 0.16 | 0.04 | 0.04 | 0.07 | 0.23 |
| Sodium | mg/l | 24.2 | 80.1 | 79.8 | 20.6 | 53.4 |
| Sulfate | mg/l | 87 | 190 | 210 | 135 | 71 |
| Dissolved Oxygen | mg/l | 1.7 | 2.9 | 2.9 | 3.2 | 3.3 |

See footnotes at end of table.

**Table 1**
**(Continued)**



| Parameter | Units | Sample Locations | | | | |
|---|---|---|---|---|---|---|
| | | Tilton Road Pond | Polishing Basin | Field Blank | Trip Blank | Equipment Blank |
| Temperature, Field | °C | 18.2 | - | - | - | - |
| pH, Lab | pH units | 8.49 | - | 6.26 | 6.65 | 7.14 |
| Total Suspended Solids | mg/l | <4 | - | <4 | <4 | - |
| Total Dissolved Solids | mg/l | 80 | - | <10 | <10 | <10 |
| Nitrite-Nitrogen | mg/l $NO_2$-N | <0.02 | - | <0.02 | <0.02 | - |
| Nitrate-Nitrogen | mg/l $NO_3$-N | 0.09 | - | <0.05 | <0.05 | - |
| Ammonia-Nitrogen | mg/l | - | - | <0.1 | <0.1 | <0.1 |
| Phosphorus, Total as P | mg/l | <0.05 | - | <0.05 | <0.05 | - |
| Total Organic Carbon | mg/l | <0.5 | - | <0.5 | <0.5 | <0.5 |
| Color | CP units | - | - | <5 | <5 | <5 |
| Odor | T.O.N. | - | - | 0 | 0 | 0 |
| Trans-1,2-Dichloroethene | µg/l | - | - | <1 | <1 | <1 |
| Trichloroethene | µg/l | - | - | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | µg/l | - | - | <1 | <1 | <1 |
| Vinyl Chloride | µg/l | - | - | <1 | <1 | <1 |
| Cis-1,2-Dichloroethene | µg/l | - | - | <1 | <1 | <1 |
| Chemical Oxygen Demand | mg/l | <7 | - | <7 | <7 | - |
| Chromium | mg/l | <0.05 | - | <0.05 | <0.05 | - |
| Iron | mg/l | - | - | <0.1 | <0.1 | <0.1 |
| Lead | mg/l | <0.05 | - | <0.05 | <0.05 | <0.05 |
| Manganese | mg/l | - | - | <0.01 | <0.01 | <0.01 |
| Sodium | mg/l | 26.4 | - | <0.4 | <0.4 | <0.4 |
| Sulfate | mg/l | 9.5 | - | <0.5 | <0.5 | <0.5 |
| Dissolved Oxygen | mg/l | - | - | - | - | - |

(1) Dash denotes not analyzed.

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 1

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| R (1) | NJPDES NO. NJ (2–8) | WELL PERMIT NO. (9–16) | SAMPLE DATE YR. MO. DAY (17–22) | NJ LAB CERT. NO. (23–27) | WGM USE (28) |
|---|---|---|---|---|---|
| | 0 0 7 0 3 4 3 | 3 6 - 0 3 0 2 5 - 2 | 9 2 1 1 1 0 | 7 7 4 4 3 | |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 8 9 0 (MO. YR.) TO 0 7 9 5 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS: JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | | X | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 69.28 | |
| | X | | | X | | | X | | | | X | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 66.96 | |
| | X | | | X | | | X | | | | X | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 12.95 | |
| | X | | | X | | | X | | | | X | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 10.63 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | X | | X | | | X | | | | X | | Color | pt-co | 00080 | 25.0 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| X | | | X | | | X | | | | X | | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | K |
| X | | | X | | | X | | | | X | | Lead, Dissolved | ug/l as Pb | 01049 | 50.0 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| X | | | X | | | X | | | | X | | Manganese, Dissolved | ug/l | 01056 | 20 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 1

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| S | NJ 0070343 | 36-03025-2 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39460 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| | x | | | x | | | x | | | x | | Nitrogen, Ammonia, Dissolved NH3-NH4 as N | mg/l as N | 00608 | 1.0 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| | x | | | x | | | x | | | x | | Odor | T.O.N. | 00085 | 1 | |
| | x | | | x | | | x | | | x | | pH | Stn. Units | 00400 | 4.96 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81356 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| | x | | | x | | | x | | | x | | Sodium, Dissolved | mg/l | 00930 | 8.1 | |
| | x | | | x | | | x | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 20.0 | |
| | x | | | x | | | x | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 50 | |
| | x | | | x | | | x | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 2.0 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D, Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| | x | | | x | | | x | | | x | | Oxygen, Dissolved | mg/l | | 6.0 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 1

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| T | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| 1 | NJ 0070343 (2–8) | 36 - 03025 - 2 (9–16) | 921110 (17–22) | 77443 (23–27) | ☐ (28) |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0890 (MO. YR.) TO 0795 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | | x | | | x | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 1 | K |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34475 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | | x | | | x | | | x | | Trichloroethylene | ug/l | 39180 | 0.5 | K |
| | x | | | x | | | x | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | | x | | | x | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | x | | | x | | | x | | | x | | cis-1, 2-Dichloroethylene | ug/l | | 1 | K |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 3

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| R (1) | NJPDES NO. NJ 0 0 7 0 3 4 3 (2–8) | WELL PERMIT NO. 3 6 - 0 3 0 2 7 - 9 (9–16) | SAMPLE DATE YR. MO. DAY 9 2 1 1 1 0 (17–22) | NJ LAB CERT. NO. 7 7 4 4 3 (23–27) | WGM USE (28) |
|---|---|---|---|---|---|

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 8 9 0 (MO. YR.) TO 0 7 9 5 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | X | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 67.09 | |
| | X | | | X | | | X | | | X | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 64.96 | |
| | X | | | X | | | X | | | X | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 11.58 | |
| | X | | | X | | | X | | | X | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 9.45 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | X | | | X | | | X | | | X | | Color | pt-co | 00080 | 30 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | X | | | X | | | X | | | X | | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | K |
| | X | | | X | | | X | | | X | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | X | | | X | | | X | | | X | | Manganese, Dissolved | ug/l | 01056 | 20 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

29 33 34 40 41

VALUE CODING AND REMARK CODES ON REVERSE

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 3

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| S | NJ 0070343 | 36 - 03027 - 9 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS (JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC) | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|
| | Methoxychlor, Total | ug/l | 39460 | | |
| | Methylene Blue Active Substances | mg/l | 38260 | | |
| X X X X | Nitrogen, Ammonia, Dissolved NH3-NH4 as N | mg/l as N | 00608 | 0.1 | K |
| | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| X X X X | Odor | T.O.N. | 00085 | 1 | |
| X X X X | pH | Stn. Units | 00400 | 5.98 | |
| | Phenols, Total Recoverable | ug/l | 32730 | | |
| | Radium 226, Dissolved | pc/l | 09503 | | |
| | Radium 228, Dissolved | pc/l | 81366 | | |
| | Selenium, Dissolved | ug/l | 01145 | | |
| | Silver, Dissolved | ug/l | 01075 | | |
| X X X X | Sodium, Dissolved | mg/l | 00930 | 20.0 | |
| X X X X | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 43 | |
| X X X X | Total Dissolved Solids (TDS) | ppm | 70300 | 210 | |
| X X X X | Total Organic Carbon (TOC) | ppm | 00680 | 2.0 | |
| | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | Toxaphene | ug/l | 39400 | | |
| | Turbidity | ntu | 00076 | | |
| | Zinc, Dissolved | ug/l | 01090 | | |
| | 2,4-D, Total | ug/l | 39730 | | |
| | 2,4,5-TP, Total | ug/l | 39045 | | |
| X X X X | Oxygen, Dissolved | mg/l | | 5.0 | |
| | | | | | |
| | | | | | |

29 33 34 40 41

VALUE CODING AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 3

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| T | NJPDES NO. (2–8) | WELL PERMIT NO. (9–16) | SAMPLE DATE YR. MO. DAY (17–22) | NJ LAB CERT. NO. (23–27) | WQM USE (28) |
|---|---|---|---|---|---|
| 1 | NJ 0070343 | 36-03027-9 | 921110 | 77443 | |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | x | | | x | | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 1 | K |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34475 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | x | | | x | | | | x | | Trichloroethylene | ug/l | 39180 | 0.9 | |
| | x | | x | | | x | | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | x | | | x | | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | x | | x | | | x | | | | x | | cis-1, 2-Dichloroethylene | ug/l | | 2 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID NO. 4

| | |
|---|---|
| FACILITY NAME: Lenox China, Inc. | SW ID NO. |
| LAB NAME: Lancaster Laboratories, Inc. | |

| NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | MCM USE |
|---|---|---|---|---|
| R NJ 0 0 7 0 3 4 3 (1, 2–8) | 3 6 - 0 3 1 1 9 - 4 (9–16) | 9 2 1 1 1 0 (17–22) | 7 7 4 4 3 (23–27) | (28) |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 8 9 0 (MO. YR.) TO 0 7 9 5 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS: JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | | X | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 66.96 | |
| | X | | | X | | | X | | | | X | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 64.95 | |
| | X | | | X | | | X | | | | X | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 8.65 | |
| | X | | | X | | | X | | | | X | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 6.64 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | m/100 ml | 74056 | | |
| X | | | X | | | | X | | | | X | Color | pt-co | 00050 | 5 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01502 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| X | | | X | | | | X | | | | X | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | K |
| X | | | X | | | | X | | | | X | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| X | | | X | | | | X | | | | X | Manganese, Dissolved | ug/l | 01056 | 20 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

Form VWX-0152 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
9/91 DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID NO. 4

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| S | NJ 0070343 | 36-03119-4 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39480 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| x | | | x | | | | x | | | x | | Nitrogen, Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00608 | 0.1 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x | | | x | | | | x | | | x | | Odor | T.O.N. | 00085 | 0 | |
| x | | | x | | | | x | | | x | | pH | Stn. Units | 00400 | 5.92 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81366 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| x | | | x | | | | x | | | x | | Sodium, Dissolved | mg/l | 00930 | 32.0 | |
| x | | | x | | | | x | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 131 | |
| x | | | x | | | | x | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 230 | |
| x | | | x | | | | x | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 3.1 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D, Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| x | | | x | | | | x | | | x | | Oxygen, Dissolved | mg/l | | 9.5 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

Form VWX-015A
9/91

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 5

| FACILITY NAME | Lenox China, Inc. | SW ID NO. |
|---|---|---|
| LAB NAME | Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT.NO. | WQM USE |
|---|---|---|---|---|---|
| R | NJ 0 0 7 0 3 4 3 | 3 6 - 0 3 0 2 5 - 2 | 9 2 1 1 1 0 | 7 7 4 4 3 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 8 9 0 (MO. YR.) TO 0 7 9 5 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | X | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 64.17 | |
| | X | | | X | | | X | | | X | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 62.36 | |
| | X | | | X | | | X | | | X | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 9.05 | |
| | X | | | X | | | X | | | X | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 7.24 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | | | | | | | | | | | | Color | pt-co | 00008 | | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | | | | | | | | | | | | Iron, Dissolved | mg/l as Fe | 01046 | | |
| | | | | | | | | | | | | Lead, Dissolved | ug/l as Pb | 01049 | | |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | | | | | | | | | | | | Manganese, Dissolved | ug/l | 01056 | | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 6

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| R (1) | NJPDES NO. (2-8) | WELL PERMIT NO. (9-16) | SAMPLE DATE YR. MO. DAY (17-22) | NJ LAB CERT. NO. (23-27) | WCM USE (28) |
|---|---|---|---|---|---|
| | NJ 0070343 | 36-03270-1 | 921110 | 77443 | |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | x | | | x | | | x | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 65.08 | |
| | x | | | x | | | x | | | x | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 62.66 | |
| | x | | | x | | | x | | | x | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 9.70 | |
| | x | | | x | | | x | | | x | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 7.28 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | x | | | x | | | x | | | x | | Color | pt-co | 00080 | 5 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | x | | | x | | | x | | | x | | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | K |
| | x | | | x | | | x | | | x | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | x | | | x | | | x | | | x | | Manganese, Dissolved | ug/l | 01056 | 50 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

Form VWX-0156 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
9/91 DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID NO. 6

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WOM USE |
|---|---|---|---|---|---|
| S | NJ 0 0 7 0 3 4 3 | 3 6 - 0 3 2 7 0 - 1 | 9 2 1 1 1 0 | 7 7 4 4 3 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 8 9 0 (MO. YR.) TO 0 7 9 5 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39480 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| x | | | x | | | x | | | | x | | Nitrogen, Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00605 | 0.1 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x | | | x | | | x | | | | x | | Odor | T.O.N. | 00085 | 1 | |
| x | | | x | | | x | | | | x | | pH | Stn. Units | 00400 | 4.30 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81366 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| x | | | x | | | x | | | | x | | Sodium, Dissolved | mg/l | 00930 | 17.3 | |
| x | | | x | | | x | | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 121 | |
| x | | | x | | | x | | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 220 | |
| x | | | x | | | x | | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 1.9 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D, Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| x | | | x | | | x | | | | x | | Oxygen, Dissolved | mg/l | | 7.0 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 6

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| T | NJPDES NO. (1–8) | WELL PERMIT NO. (9–16) | SAMPLE DATE YR. MO. DAY (17–22) | NJ LAB CERT. NO. (23–27) | WQM USE (28) |
|---|---|---|---|---|---|
| | NJ 0070343 | 36-03270-1 | 921110 | 77443 | |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | | x | | | x | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 1 | K |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34675 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | | x | | | x | | | x | | Trichloroethylene | ug/l | 39180 | 0.5 | K |
| | x | | | x | | | x | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | | x | | | x | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | X | | | X | | | X | | | X | | cis-1, 2-Dichloroethylene | ug/l | | 1 | K |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 7

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| R | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WGM USE |
|---|---|---|---|---|---|
| | NJ 0070343 | 36-03874-1 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS: JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | X | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 67.31 | |
| | X | | | X | | | X | | | X | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 65.06 | |
| | X | | | X | | | X | | | X | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 10.64 | |
| | X | | | X | | | X | | | X | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 8.39 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | X | | | X | | | X | | | X | | Color | pt-co | 00080 | 35 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | X | | | X | | | X | | | X | | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | K |
| | X | | | X | | | X | | | X | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | X | | | X | | | X | | | X | | Manganese, Dissolved | ug/l | 01056 | 20 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

Form VWX-0156 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
9/91 DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID NO. 7

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| S | NJ 0070343 | 36-03874-1 | 92 11 10 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

## SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39460 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| x | | | x | | | x | | | | x | | Nitrogen, Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00608 | 0.1 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x | | | x | | | x | | | | x | | Odor | T.O.N. | 00085 | 1 | |
| x | | | x | | | x | | | | x | | pH | Stn. Units | 00400 | 6.38 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81366 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| x | | | x | | | x | | | | x | | Sodium, Dissolved | mg/l | 00930 | 19.1 | |
| x | | | x | | | x | | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 101 | |
| x | | | x | | | x | | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 230 | |
| x | | | x | | | x | | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 1.8 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D, Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| x | | | x | | | x | | | | x | | Oxygen, Dissolved | mg/l | | 6.2 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

29 33 34 40 41

VALUE CODING AND REMARK CODES ON REVERSE

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 8

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| R | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WCM USE |
|---|---|---|---|---|---|
| | NJ 0070343 | 36 - 03875 - 0 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | x | | | x | | | x | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 67.16 | |
| | x | | | x | | | x | | | x | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 66.16 | |
| | x | | | x | | | x | | | x | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 9.80 | |
| | x | | | x | | | x | | | x | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 8.80 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | x | | | x | | | x | | | x | | Color | pt-co | 00080 | 50 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | x | | | x | | | x | | | x | | Iron, Dissolved | mg/l as Fe | 01046 | 0.3 | |
| | x | | | x | | | x | | | x | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | x | | | x | | | x | | | x | | Manganese, Dissolved | ug/l | 01056 | 160 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

9/91

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 8

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| 8 | NJ 0070343 | 36-03875-0 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| SAMPLING MONTHS (JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC) | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|
| | Methoxychlor, Total | ug/l | 39480 | | |
| | Methylene Blue Active Substances | mg/l | 38260 | | |
| x x x x | Nitrogen, Ammonia, Dissolved NH3-NH4 as N | mg/l as N | 00608 | 0.5 | |
| | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x x x x | Odor | T.O.N. | 00085 | 2 | |
| x x x x | pH | Stn. Units | 00400 | 6.16 | |
| | Phenols, Total Recoverable | ug/l | 32730 | | |
| | Radium 226, Dissolved | pc/l | 09503 | | |
| | Radium 228, Dissolved | pc/l | 81306 | | |
| | Selenium, Dissolved | ug/l | 01145 | | |
| | Silver, Dissolved | ug/l | 01075 | | |
| x x x x | Sodium, Dissolved | mg/l | 00930 | 24.2 | |
| x x x x | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 87 | |
| x x x x | Total Dissolved Solids (TDS) | ppm | 70300 | 200 | |
| x x x x | Total Organic Carbon (TOC) | ppm | 00680 | 1.8 | |
| | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | Toxaphene | ug/l | 39400 | | |
| | Turbidity | ntu | 00076 | | |
| | Zinc, Dissolved | ug/l | 01090 | | |
| | 2,4-D, Total | ug/l | 39730 | | |
| | 2,4,5-TP, Total | ug/l | 39045 | | |
| x x x x | Oxygen, Dissolved | mg/l | | 1.7 | |
| | | | | | |
| | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

9/91

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 9

| FACILITY NAME | Lenox China, Inc. | SW ID NO. |
|---|---|---|
| LAB NAME | Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| R | NJ 0070343 | 36-07160-9 | 921110 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | x | | | x | | | x | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 69.51 | |
| | x | | | x | | | x | | | x | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 67.76 | |
| | x | | | x | | | x | | | x | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 14.00 | |
| | x | | | x | | | x | | | x | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 12.25 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| x | | | x | | | | x | | | x | | Color | pt-co | 00080 | 40 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| x | | | x | | | | x | | | x | | Iron, Dissolved | mg/l as Fe | 01046 | 2.0 | |
| x | | | x | | | | x | | | x | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| x | | | x | | | | x | | | x | | Manganese, Dissolved | ug/l | 01056 | 40 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

Form VWX-0150 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
9/91 DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN OWNER'S WELL ID NO. 9

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|
| S NJ 0070343 | 36-07160-9 | 921110 | 77443 | |
| 1 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39480 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| x | | | x | | | x | | | | x | | Nitrogen, Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00605 | 1.4 | |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x | | | x | | | x | | | | x | | Oder | T.O.N. | 00085 | 4 | |
| x | | | x | | | x | | | | x | | pH | Stn. Units | 00400 | 6.80 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81306 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| x | | | x | | | x | | | | x | | Sodium, Dissolved | mg/l | 00930 | 80.1 | |
| x | | | x | | | x | | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 190 | |
| x | | | x | | | x | | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 410 | |
| x | | | x | | | x | | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 2.9 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D, Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| x | | | x | | | x | | | | x | | Oxygen, Dissolved | mg/l | | 2.9 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

29 33 34 40 41

VALUE CODING AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 9

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| T | NJPDES NO. (2–8) | WELL PERMIT NO. (9–16) | SAMPLE DATE YR. MO. DAY (17–22) | NJ LAB CERT. NO. (23–27) | WQM USE (28) |
|---|---|---|---|---|---|
| 1 | NJ 0070343 | 36-07160-9 | 921110 | 77443 | |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| SAMPLING MONTHS: JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | | x | | | x | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 1 | K |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34475 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | | x | | | x | | | x | | Trichloroethylene | ug/l | 39180 | 0.5 | K |
| | x | | | x | | | x | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | | x | | | x | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | x | | | x | | | x | | | x | | cis-1, 2-Dichloroethylene | ug/l | | 1 | K |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

9/91

DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 10

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| R | NJ 0070343 | 36-07161-7 | 92 11 11 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

## SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | X | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 63.51 | |
| | X | | | X | | | X | | | X | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 61.76 | |
| | X | | | X | | | X | | | X | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 8.27 | |
| | X | | | X | | | X | | | X | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 6.52 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | m/100 ml | 74056 | | |
| | X | | | X | | | X | | | X | | Color | pt-co | 00080 | 10 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | X | | | X | | | X | | | X | | Iron, Dissolved | mg/l as Fe | 01046 | 0.4 | |
| | X | | | X | | | X | | | X | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | X | | | X | | | X | | | X | | Manganese, Dissolved | ug/l | 01056 | 70 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 29 33 | 34 40 | 41 |

VALUE CODING AND REMARK CODES ON REVERSE

Form VWX-0150 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
6/91 DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID NO. 10

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT.NO. | WQM USE |
|---|---|---|---|---|
| 5 NJ 0070343 (1, 2–8) | 36-07161-7 (9–16) | 921110 (17–22) | 77443 (23–27) | ☐ (28) |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| SAMPLING MONTHS: JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39480 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| | x | | | x | | | x | | | x | | Nitrogen,Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00608 | 0.1 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| | x | | | x | | | x | | | x | | Odor | T.O.N. | 00085 | 0 | |
| | x | | | x | | | x | | | x | | pH | Stn. Units | 00400 | 4.95 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81366 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| | x | | | x | | | x | | | x | | Sodium, Dissolved | mg/l | 00930 | 20.6 | |
| | x | | | x | | | x | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 136 | |
| | x | | | x | | | x | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 250 | |
| | x | | | x | | | x | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 1.7 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D,Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| | x | | | x | | | x | | | x | | Oxygen, Dissolved | mg/l | | 3.2 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

(PARAMETER: 29–33; VALUE: 34–40; REM: 41)

VALUE CODING AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 10

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. NO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| T | NJ 0070343 | 36-07161-7 | 921111 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | | x | | | x | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 1 | K |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34475 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | | x | | | x | | | x | | Trichloroethylene | ug/l | 39180 | 7.5 | |
| | x | | | x | | | x | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | | x | | | x | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | X | | | X | | | X | | | X | | cis-1, 2-Dichloroethylene | ug/l | | 3 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

Form VWX-015A
9/91

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 15

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| R | NJ 0070343 | 36-10217-2 | 92 11 10 | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | X | | | X | | | X | | Elev. of top of well casing with cap off (as specified in well completion report) | feet Msl: to nearest 0.01 | 72110 | 66.07 | |
| | X | | | X | | | X | | | X | | Elev. of original ground level (as specified in well completion report) | feet Msl: to nearest 0.01 | 72009 | 64.07 | |
| | X | | | X | | | X | | | X | | Depth to water table from top of casing prior to sampling (with cap off) | feet: to nearest 0.01 | 82546 | 10.54 | |
| | X | | | X | | | X | | | X | | Depth to water table from original ground level prior to sampling | feet: to nearest 0.01 | 72019 | 8.54 | |
| | | | | | | | | | | | | Arsenic, Dissolved | ug/l as As | 01000 | | |
| | | | | | | | | | | | | Barium, Dissolved | ug/l as Ba | 01005 | | |
| | | | | | | | | | | | | Biochemical Oxygen Demand - 5 Day | mg/l | 00310 | | |
| | | | | | | | | | | | | Cadmium, Dissolved | ug/l as Cd | 01025 | | |
| | | | | | | | | | | | | Chloride, Dissolved | ug/l as Cl | 82295 | | |
| | | | | | | | | | | | | Chromium, Dissolved | ug/l as Cr | 01030 | | |
| | | | | | | | | | | | | Chromium, Dissolved, Hexavalent | ug/l as Cr | 01220 | | |
| | | | | | | | | | | | | Chemical Oxygen Demand (COD), Dissolved | mg/l | 00341 | | |
| | | | | | | | | | | | | Coliform Group | n/100 ml | 74056 | | |
| | X | | | X | | | X | | | X | | Color | pt-co | 00080 | 30 | |
| | | | | | | | | | | | | Copper, Dissolved | ug/l as Cu | 01040 | | |
| | | | | | | | | | | | | Cyanide, Total | mg/l as CN | 00720 | | |
| | | | | | | | | | | | | Endrin, Total | ug/l | 39390 | | |
| | | | | | | | | | | | | Fluoride, Dissolved | mg/l as F | 00950 | | |
| | | | | | | | | | | | | Gross Alpha, Dissolved | pc/l | 01503 | | |
| | | | | | | | | | | | | Gross Beta, Dissolved | pc/l | 03503 | | |
| | | | | | | | | | | | | Hardness, Total as CaCO3 | mg/l | 00900 | | |
| | X | | | X | | | X | | | X | | Iron, Dissolved | mg/l as Fe | 01046 | 0.1 | |
| | X | | | X | | | X | | | X | | Lead, Dissolved | ug/l as Pb | 01049 | 50 | K |
| | | | | | | | | | | | | Lindane, Total | ug/l | 39782 | | |
| | X | | | X | | | X | | | X | | Manganese, Dissolved | ug/l | 01056 | 230 | |
| | | | | | | | | | | | | Mercury, Dissolved | ug/l | 71890 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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VALUE CODING AND REMARK CODES ON REVERSE

Form VWX-015B
9/91

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 15

| FACILITY NAME | SW ID NO. |
|---|---|
| Lenox China, Inc. | |
| LAB NAME | |
| Lancaster Laboratories, Inc. | |

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT.NO. | WQM USE |
|---|---|---|---|---|---|
| S | NJ 0070343 | 36-10217-2 | | 77443 | |
| 1 | 2 8 | 9 16 | 17 22 | 23 27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| SAMPLING MONTHS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Methoxychlor, Total | ug/l | 39480 | | |
| | | | | | | | | | | | | Methylene Blue Active Substances | mg/l | 38260 | | |
| x | | | x | | | x | | | | x | | Nitrogen,Ammonia, Dissolved NH3+NH4 as N | mg/l as N | 00608 | 0.1 | K |
| | | | | | | | | | | | | Nitrogen, Nitrate, Dissolved | mg/l as N | 00618 | | |
| x | | | x | | | x | | | | x | | Odor | T.O.N. | 00085 | 4 | |
| x | | | x | | | x | | | | x | | pH | Stn. Units | 00400 | 4.98 | |
| | | | | | | | | | | | | Phenols, Total Recoverable | ug/l | 32730 | | |
| | | | | | | | | | | | | Radium 226, Dissolved | pc/l | 09503 | | |
| | | | | | | | | | | | | Radium 228, Dissolved | pc/l | 81366 | | |
| | | | | | | | | | | | | Selenium, Dissolved | ug/l | 01145 | | |
| | | | | | | | | | | | | Silver, Dissolved | ug/l | 01075 | | |
| x | | | x | | | x | | | | x | | Sodium, Dissolved | mg/l | 00930 | 53.4 | |
| x | | | x | | | x | | | | x | | Sulfate, Dissolved (as SO4) | mg/l | 00946 | 71 | |
| x | | | x | | | x | | | | x | | Total Dissolved Solids (TDS) | ppm | 70300 | 290 | |
| x | | | x | | | x | | | | x | | Total Organic Carbon (TOC) | ppm | 00680 | 2.1 | |
| | | | | | | | | | | | | Total Organic Halogen (TOX) | ug/l | 70353 | | |
| | | | | | | | | | | | | Toxaphene | ug/l | 39400 | | |
| | | | | | | | | | | | | Turbidity | ntu | 00076 | | |
| | | | | | | | | | | | | Zinc, Dissolved | ug/l | 01090 | | |
| | | | | | | | | | | | | 2,4-D,Total | ug/l | 39730 | | |
| | | | | | | | | | | | | 2,4,5-TP, Total | ug/l | 39045 | | |
| x | | | x | | | x | | | | x | | Oxygen, Dissolved | mg/l | | 3.3 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

29 33 34 40 41

VALUE CODING AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
GROUND WATER QUALITY MANAGEMENT ELEMENT

# GROUND WATER ANALYSIS - VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID NO. 15

FACILITY NAME: Lenox China, Inc.

SW ID NO.

LAB NAME: Lancaster Laboratories, Inc.

| | NJPDES NO. | WELL PERMIT NO. | SAMPLE DATE YR. MO. DAY | NJ LAB CERT. NO. | WQM USE |
|---|---|---|---|---|---|
| | NJ 0070343 | 36 - 10217 - 2 | 921110 | 77443 | |
| | 1 / 2–8 | 9 / 16 | 17–22 | 23–27 | 28 |

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 08 90 (MO. YR.) TO 07 95 (MO. YR.)

**SUBMIT WITH SIGNED T-VWX-014**

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANALYSIS | UNITS | PARAMETER | VALUE | REM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | x | | | | | | | | | | | Acrylonitrile | ug/l | 34215 | | |
| | x | | | | | | | | | | | Benzene | ug/l | 34030 | | |
| | x | | | | | | | | | | | Bromoform | ug/l | 32104 | | |
| | x | | | | | | | | | | | Carbon Tetrachloride | ug/l | 32102 | | |
| | x | | | | | | | | | | | Chlorobenzene | ug/l | 34301 | | |
| | x | | | | | | | | | | | Chlorodibromomethane | ug/l | 34306 | | |
| | x | | | | | | | | | | | Chloroform | ug/l | 32106 | | |
| | x | | | | | | | | | | | 1,1-Dichloroethane | ug/l | 34496 | | |
| | x | | | | | | | | | | | 1,2-Dichloroethane | ug/l | 34531 | | |
| | x | | | x | | | x | | | x | | 1,1-Dichloroethylene | ug/l | 34501 | 2 | |
| | x | | | | | | | | | | | 1,2-Dichloropropane | ug/l | 34541 | | |
| | x | | | | | | | | | | | Ethylbenzene | ug/l | 34371 | | |
| | x | | | | | | | | | | | Methylene Chloride | ug/l | 34423 | | |
| | x | | | | | | | | | | | 1,1,2,2-Tetrachloroethane | ug/l | 34516 | | |
| | x | | | | | | | | | | | Tetrachloroethylene | ug/l | 34475 | | |
| | x | | | | | | | | | | | Toluene | ug/l | 34010 | | |
| | x | | | | | | | | | | | 1,1,1-Trichloroethane | ug/l | 34506 | | |
| | x | | | | | | | | | | | 1,1,2-Trichloroethane | ug/l | 34511 | | |
| | x | | | x | | | x | | | x | | Trichloroethylene | ug/l | 39180 | 51 | |
| | x | | | x | | | x | | | x | | Vinyl Chloride | ug/l | 39175 | 1 | K |
| | x | | | | | | | | | | | Acrolein | ug/l | 34210 | | |
| | x | | | | | | | | | | | Chloroethane | ug/l | 34311 | | |
| | x | | | | | | | | | | | 2-Chloroethyl Vinyl Ether | ug/l | 34576 | | |
| | x | | | | | | | | | | | Bromodichloromethane | ug/l | 32101 | | |
| | x | | | | | | | | | | | 1,3-trans-Dichloropropene | ug/l | 34699 | | |
| | x | | | | | | | | | | | Methyl Bromide | ug/l | 34413 | | |
| | x | | | | | | | | | | | Methyl Chloride | ug/l | 34418 | | |
| | x | | | x | | | x | | | x | | 1,2-trans-Dichloroethene | ug/l | 34546 | 1 | K |
| | x | | | x | | | x | | | x | | cis-1, 2-Dichloroethylene | ug/l | | 7 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

VALUE CODING AND REMARK CODES ON REVERSE

29 33 34 40 41

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

Office of
the Director

(609) 292-1637
Fax # (609) 984-7938

# SAMPLING COLLECTION AND PRESERVATION FORM
(to be completed by the sampling crew)

## BACKGROUND

1) Facility Name: Lenox China

2) NJPDES Number: NJ0070343

3) Facility Address: Tilton Road
Pomona, NJ 08240

4) Owner's Name: Lenox China

5) Owner's Address: Tilton Road
Pomona, NJ 08240

## SAMPLING PLAN

6) Has a sampling and analysis plan been developed for this facility as stipulated under N.J.A.C. 7:14A-6.9?
Yes x or No___

7) If yes, has the sampling plan been approved by the Department? Yes x or No___

8) If the sampling plan has not been submitted to the Department, attach with these completed forms.

## SAMPLE COLLECTION

9) Sample Date/Time: 11/10/92 / 0700 hours - 1900 hours
11/11/92 / 0700 hours - 1200 hours

10) Sampling Personnel (Name/Title)

| Name/Title | Affiliations | Phone |
|---|---|---|
| Carla L. Archbold/Civil Engineer | Earth Sciences Consultants, Inc. | (412) 733-3000 |
| Mike M. Kissel/Environmental Technician | Earth Sciences Consultants, Inc. | (412) 733-3000 |
| | | |

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Recycled Paper

11) Weather conditions at time of sampling: Sunny and cold, 35°-40°F

12) Is there a designated level of protection, and if so, indicate: A___, B___, C___, or D_x_.

STATIC WATER LEVEL MEASUREMENT AND WELL EVACUATION

13) What method was utilized to determine the static water level?

Electrical (m-scope)_x_, Stainless Steel Tape___, Sonic___, or Other___: (explain)_____

14) Measuring device precise to: 0.01 foot (.01 feet)

15) Model Number: 101 Manufacturer: Solinst

16) Was the water level indicator deconed between wells?

Yes_x_ or No___

17) Describe the decontamination procedure: Deionized water rinse, wipe with paper towel, final rinse, and air-dry.

18) Wells are to be purged three to five times prior to sampling. If wells are not purged as stated above, explain and justify the exact purge method used.

NA

19) Method used for well evacuation: Pump_x_ or Bailer_x_

20) If bailed to evacuate, what are the dimensions of the bailer? 1.5 inch by 3 foot

21) What is the volume capacity of the bailer? 0.27 gal

22) Pump Type: Submersible_x_, Bladder___, Gas Piston___, Gas Displacement___, or Other___
Explain:_____

23) Pump Model Number/Flow Rate: 1A105003/6 gallons per minute

24) Pump Manufacturer: Grundfos

25) Describe decontamination method used to clean the pump between wells: Soap and water wash, deionized water rinse, nitric rinse, deionized water rinse, acetone rinse, and final deionized water rinse.

26) Power Source for Pump: Gasoline Powered Generator_x_ or Gasoline Powered Compressor____

27) Was the gasoline transported in the same vehicle as the sample bottles, field and trip blanks or bailers? Yes___ or No x

28) Refer to the following chart for volume capacities for various wells per linear foot.

| Casing Diameter | Gallons/Linear Foot |
|---|---|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |
| 8" | 2.61 |

29) Complete the below chart regarding evacuation measurements. Please note the following abbreviations: TOC=elevation of top of casing; TDW=total depth of well from top of casing; DTW=distance to water from top of casing; # of bail vols=number of bail volumes. TOC,DTW, and TDW should be measured and/or calculated to the nearest 0.01 foot. Also note that if a mechanical pump is used for purging, indicate the total minutes of pumping time below. If a bailer is used for purging, indicate the total number of bail volumes. Attach additional sheets if necessary.

| well permit no./owners well no. | TOC | DTW | TOC-DTW | TDW | gal./linear foot | amount of $H_2O$ in casing | amount of $H_2O$ purged | # of bail vols | minutes pumping time | time purge complete | time sample collected |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 69.28 | 12.95 | 56.33 | 30.00 | 0.65 | 11.08 | 35 | | 7 | 0951 | 1000 |
| MW-3 | 67.09 | 11.58 | 55.51 | 30.20 | 0.65 | 12.10 | 40 | | 8 | 1527 | 1535 |
| MW-4 | 66.96 | 8.65 | 58.31 | 26.84 | 0.65 | 11.82 | 35 | | 7 | 1203 | 1210 |
| MW-6 | 65.08 | 9.70 | 55.38 | 30.80 | 0.65 | 13.72 | 45 | | 9 | 1254 | 1305 |
| MW-7 | 67.31 | 10.64 | 56.67 | 27.00 | 0.65 | 10.63 | 35 | | 7 | 1611 | 1630 |
| MW-8 | 67.16 | 9.8 | 57.36 | 29.10 | 0.65 | 12.54 | 40 | | 8 | 1116 | 1125 |
| MW-9 | 69.51 | 14.0 | 55.51 | 31.16 | 0.65 | 11.15 | 35 | | 7 | 1428 | 1435 |
| MW-10 | 63.51 | 8.27 | 55.24 | 29.45 | 0.65 | 13.77 | 45 | | 9 | 0742 | 0745 |
| MW-15 | 66.07 | 10.54 | 55.53 | 21.53 | 0.16 | 1.76 | 6.26 | 23 | - | 1730 | 1740 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

SAMPLING COLLECTION AND PRESERVATION

30) Matrices Sampled:

Aqueous: Potable Well___, Monitoring Well_x_,
Surface Water_x_, Leachate___, Other___
Nonaqueous: Soil___, Sediment___, Other___

31) Dedicated Hose: Yes___ or No_x_

32) Hose Construction: PVC_x_, Teflon___, Tygon___,
Butyl___, Other___ Explain:_____

33) Sample Collection: (Time of Collection for each well/ sample should be indicated on the back of this page)

a) Bailer-Construction: Teflon_x_, Stainless Steel___, PVC___
b) Becon Bomb Sampler___, Size: ___oz., Construction: _____
c) Other___, Explain:_____

_____

34) Lines Used to Lower Bailer: Stainless Steel Cable/Leader___, Teflon___, PVC Rope___, Other_x_

35) Are dedicated bailers used for each well? Yes_x_ or No___

36) Are bailers: Laboratory Cleaned___, Laboratory Name:____

_____, Field Cleaned_x_, Describe Method: Soap and water wash, deionized water rinse, dilute nitric rinse, deionized water rinse, acetone rinse, and final deionized water rinse.

37) Prior to use, are bailers, sample bottles, hoses, etc. kept clean, i.e., not placed in direct contact with ground, etc.: Yes_x_ or No___

38) Are sample bottles supplied by laboratory? Yes_x_ or No___

39) Are sample preservation instructions supplied by laboratory? Yes_x_ or No___

40) Are sample preservatives supplied by laboratory? Yes_x_ or No___

41) Sample Preservation:

| Constituent | Teflon Top in contact with sample YES or NO | Head Space YES or NO | Refridg-erated YES or NO | Acidified YES or NO | Alkalized YES or NO | Bottles YES or NO |
|---|---|---|---|---|---|---|
| Volatile Organics | Yes | No | Yes | N/A | N/A | N/A |
| TOX | N/A | N/A | N/A | N/A | N/A | N/A |
| Extractable Organics | N/A | N/A | N/A | N/A | N/A | N/A |
| Metals | N/A | N/A | Yes | Yes | N/A | N/A |
| Cyanide | N/A | N/A | N/A | N/A | N/A | N/A |
| Phenols | N/A | N/A | N/A | N/A | N/A | N/A |
| Biological | N/A | N/A | N/A | N/A | N/A | N/A |

42) Indicate below any other constituents to be analyzed and their forms of preservation.
VOCs (not preserved); TOC, $NH_3$, COD, T. Phos. ($H_2SO_4$); Pb, Na, Fe, Mn, Cr ($HNO_3$); $NO_3$, $SO_4$ (none).

43) Were samples for metals analysis filtered in field? Yes x or No x(1)

44) Were samples for metals analysis filtered in lab? Yes x or No x(1)

45) Were field blanks taken? Yes x or No___

46) Were trip blanks taken? Yes x or No___

47) What parameters/analysis were performed on field and trip blanks? Volatile Organics x, Semi-Volatiles___, Pesticides___, PCBs___, Metals x, Other x

48) Prior to sampling, was an equipment blank performed: Yes x or No___

49) Prior to sampling each well, are disposable gloves worn? Yes x or No___

50) If yes, are the gloves changed between wells? Yes x or No___

(1) Samples for metals analysis from MW-1, MW-4, MW-6, and MW-8 were filtered in the laborator For MW-2, MW-3, MW-7, MW-9, MW-10, and MW-15, the samples were filtered in the field.

CHAIN OF CUSTODY

51) Laboratory Name/Certification Number Lancaster Laboratories, Inc./77443

52) Laboratory Address: 2425 New Holland Pike
Lancaster, PA 17601-5994

53) Laboratory receipt date and time: 11/11/92 / 1610 hours

54) Attached chain of custody: Yes x or No ___ 11/10/92 / 1400 hours

| Sample Number | Relinquished By | Received By | Time | Date | Reason for Change of Custody |
|---|---|---|---|---|---|
| MW-1, MW-4 | Carla L. Archbold | Brad Stish<br>Liz White | 1400<br>1610 | 11/10/92<br>11/11/92 | Delivery to laboratory |
| MW-3, MW-2 | Carla L. Archbold | Liz White | 1610 | 11/11/92 | " |
| MW-6, MW-8 | Carla L. Archbold | Brad Stish<br>Liz White | 1400<br>1610 | 11/10/92<br>11/11/92 | " |
| MW-7, MW-9 | Carla L. Archbold | Liz White | 1610 | 11/11/92 | " |
| MW-10, MW-15 | " | " | " | " | " |
| Tilton Pond | " | " | " | " | " |
| Trip and Field Blanks | " | " | " | " | " |
| Equipment Blank | " | " | " | " | " |

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information contained in this report, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete and meets the description specified in N.J.A.C. 7:14A-2.5(a)10, and 6.1 through 6.12. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Sampler

Name/Title (printed) Carla L. Archbold

Signature Carla L. Archbold Date: 1/21/93

Company Name and Address Earth Sciences Consultants, Inc.
One Triangle Drive
Export, PA 15632

Notes:

1. The sampling team may use their own reporting forms only if the forms contain <u>all</u> of the information required in this sample collection and preservation form.

2. If any of the items within this sample collection and preservation form vary for different monitor wells, the information must be documented within this form or as attachments to this form

1892452-57
1893030-45
LEN04



**LABORATORY SAMPLE CHAIN OF CUSTODY/CHRONICLE FOR NJPDES COMPLIANCE MONITORING**

Relinquisher of sample: (please print)

Name: Carla L Arnbold Signature: Carla L Arnbold

Company: Earth Sciences Consultants, Inc

Title: Civil Engineer

Date: 11/11/92 Time:

Laboratory sample recipient: (please print)

Name: Douglas W. Hastetler Signature: Douglas W. Hastetler

Laboratory Name: Lancaster Laboratories, Inc.

NJDEP Laboratory Cert. No. 77443 Title:

Date: 11/10/93, 11/11/93 Time: 1640, 1610

Did samples arrive cold? Yes ✓ or No___

Were the samples properly preserved? Yes ✓ or No___

If no, which analyses will be affected:

Did sample for the analyses of volatile organics contain headspace? Yes___ or No ✓

Was the septum in place with the TFE side down? Yes ✓ No___

## Sample Preparation Chemist

| | | Name please print | Signature | Date |
|---|---|---|---|---|
| 1. | Base/Neutrals | | | |
| 2. | Acids | | | |
| 3. | Pesticides | | | |
| 4. | Herbicides | | | |
| 5. | PCB's | | | |
| 6. | Metals | x Charlotte Houck | Charlotte Houck/EKG | 11-16-92<br>12-2-92 |
| 7. | Other | | | |
| 8. | Other | | | |
| 9. | Other | | | |

## Analyst

| | | Name please print | Signature | Date |
|---|---|---|---|---|
| 1. | ~~Base/Neutrals~~ COD | Elaine Stoltzfus | Elaine Stoltzfus | 11-13-92 |
| 2. | ~~Acids~~ Color | Erik J. Frederiksen | Erik J. Frederiksen | 11-11-92 |
| 3. | ~~Pesticides~~ Odor | Sandra J. Miller | Sandra J. Miller | 11-11-92 |
| 4. | ~~Herbicides~~ pH | Steven K. Bainbridge | Steven K. Bainbridge<br>Erik J. Frederiksen | 11-11-92 |
| 5. | ~~PCB's~~ Moisture | Dan Smith | Daniel S. Smith | 11-12-92 |
| 6. | Metals | x Donna Plessinger<br>~~Luke Peterschmidt~~ Karen Barney | Donna Plessinger<br>Karen L. Barney | 11-16-92<br>12-4-92 |
| 7. | Volatiles | x Denise Null<br>Gwen Kuhn | Denise A. Null<br>Gwen Kuhn | 11-17-92<br>11-14-92 |
| 8. | TOC | Tina Stitzel | Tina Stitzel | 11-16-92 |
| 9. | ~~TOX~~ TDS | Angela Pagan | Angela Pagan/RGH | 11-12-92 |
| 10. | Phenols (total) | | | |
| 11. | Cyanide (total) | | | |
| 12. | Other Anion Scan | Myra Fink<br>Barry V. Townsend | Myra G. Fink<br>Barry V. Townsend | 11-23-92<br>11-30-92 |
| 13. | Other Total Phosphorus | Sam Huber | Samuel G. Huber | 11-16-92 |
| 14. | Other Nitrate/Nitrite Nitrogen | Sam Huber | Samuel G. Huber | 11-19-92 |
| 15. | Other Ammonia Nitrogen | Lynn Kauffman | L. Lyn Kauffman | 11-18-92 |

Did any of the sample extraction and/or analysis exceed holding times? Yes___ or No ✓

If yes, which analyses will be affected:

_____

_____

_____

If re-extraction and/or reanalyzes is necessary, indicate the reason and attach another Laboratory Chain of Custody/Chronicle with the appropriate signatures and dates.

Quality Assurance Officer

| Name please print | Signature | Date |
|---|---|---|
| Kathy L. DiNunzio | Kathy L. DiNunzio | 1/15/93 |

**LABORATORY AUTHENTICATION STATEMENT FOR NJPDES COMPLIANCE MONITORING**

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality control requirements specified in N.J.A.C. 7:18, 40 CFR 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)