**NELSON, POPE & VOORHIS, LLC**
ENVIRONMENTAL • PLANNING • CONSULTING

CHARLES J. VOORHIS, CEP, AICP • ARTHUR J. KOERBER, P.E. • VICTOR BERT, P.E.
JOSEPH R. EPIFANIA, P.E. • ROBERT G. NELSON, JR., P.E.
PAUL M. RACZ, P.L.S. • THOMAS F. LEMBO, P.E.

July 11, 2003



Robert Stewart
New York State Department
of Environmental Conservation
Division of Environmental Remediation
Region 1
Building 40-SUNY
Stony Brook, New York 11790

Re: Coral Graphics
327 New South Road
Voluntary Cleanup Program
Monthly Progress Report
NP&V #01075

Dear Mr. Stewart:

Enclosed please find one (1) copy of the Monthly Progress Report for July, 2003 regarding the above referenced project. If you should have any questions or require additional information please contact me at the number provided below.

Very truly yours,

**NELSON, POPE & VOORHIS, LLC**

Eric Arnesen, RPG

| | | |
|---|---|---|
| cc: | Frank Cappo | FC Properties |
| | Bob Vitale | Coral Graphics |
| | Larry Schnapf | Schnapf & Associates |
| | Ken Keyser | Malcolm Pirnie, Inc. |
| | John Crowe | Pryor, Cashman, Sherman & Flynn |
| | Ian Ushe | NYSDOH |
| | Bea Grossman | Alston & Bird, LLP |

572 WALT WHITMAN ROAD, MELVILLE, NY 11747 - 2188
(631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM

# Monthly Progress Report

## Coral Graphics, Inc.

327 New South Road
Hicksville, New York

**NP&V Job No. 01075**

**July, 2003**

# Monthly Progress Report
# July, 2003

# Coral Graphics, Inc.

## 327 New South Road
## Hicksville, New York

*Prepared by:*

Nelson, Pope & Voorhis, LLC
572 Walt Whitman Road
Melville, New York 11747

*For Submission to:*

Robert Stewart
New York State Department of
Environmental Conservation
Division of Environmental Remediation
Region 1
Building 40-SUNY
Stony Brook, New York 11790

Bob Vitale
Coral Graphics, Inc.
840 South Broadway
Hicksville, NY 11801

Lawrence P. Schnapf, Esq.
Schnapf & Associates
55 E. 87th St., 8th Floor
New York , NY 10128

# Monthly Progress Report

## 1.0 Introduction

The following documents the progress related to the Voluntary Cleanup Action at the Coral Graphics warehouse facility located at 327 New South Road in Hicksville, New York during the month of July, 2003. This report will summarize all field activities conducted, analytical results, regulatory agency interactions and upcoming investigative or reporting activities.

## 2.0 Field Activities

During the month of July, 2003 no investigative field activities were conducted at the subject site. However, during the months of May and June the following activities were conducted:

- Removal of the on-site underground storage tank (UST).
- Sampling of the additional subsurface drywells discovered during GPR activities in February

## 3.0 Analytical Results

Analytical results related to the drywell sampling activities were received during the month of July and have been summarized in **Tables 1** and **2**. Endpoint sampling results related to removal of the former fuel oil UST did not indicate the presence of any contaminant constituent analyzed. The figure provided as **Attachment A** provides the location of the samples collected at the subject site.

## 4.0 Upcoming Activities

Correspondence with Bob Stewart of the NYSDEC and John Lovejoy of the NCDH indicate that it will be recommended to the USEPA that leaching pools CP-1, SP-1, SP-2, SP-4 and SP-7 be remediated. In addition, it will be further recommended that any of the leaching pools not to be used for future stormwater drainage or sanitary disposal be backfilled as well as having all ancillary piping removed. A copy of the e-mail correspondence which covers these recommendations is provided in **Attachment B**. The above recommendations are subject to USEPA approval and may not reflect their final decision on the appropriate course of action. As a result it may be prudent to await USEPA approval of NCDH recommendations prior to the initiation of any further remedial activities.

**Table 1**
**Leaching Pool**
**Soil Sampling Results (Volatiles and Semi-Volatiles)**
**Coral Graphics, 327 New South Road**
**Hicksville, New York**
**5/29/03**

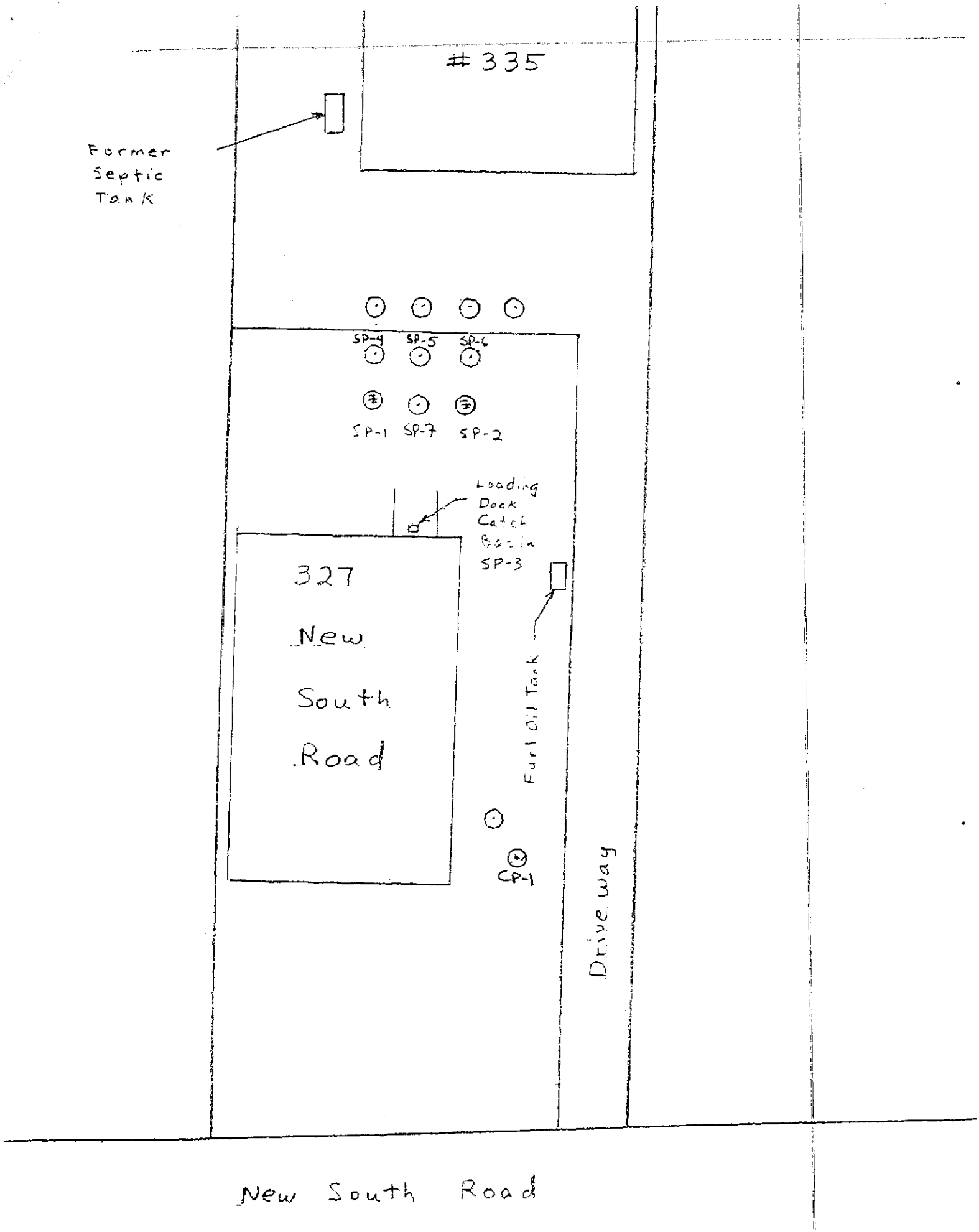
| **Analytical Compound** | **TAGM Standard (ug/KG)** | **Sample ID** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | CP-1 | SP-4 | SP-5 | SP-6 | SP-7 | DUP-1 | Field Blank | Trip Blank |
| Acetone | 200 | ND | ND | ND | ND | 28 | ND | 14 | ND |
| Methylene Chloride | 100 | ND | ND | ND | ND | ND | 3.1 J | 4.3 J | ND |
| 1,1-Dichloroethane | 200 | ND | ND | ND | ND | ND | ND | ND | ND |
| Toluene | 1,500 | ND | ND | ND | ND | 7.7 J | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | | | |
| Phenanthrene | 50,000 | ND | 420 | ND | ND | 520 JD | ND | ND | NA |
| Carbazole | NS | ND | 43 J | ND | ND | ND | ND | ND | NA |
| Floranthene | 50,000 | ND | 1,100 | ND | ND | 4,100 D | ND | ND | NA |
| Pyrene | 50,000 | ND | 900 | ND | ND | 2,400 JD | ND | ND | NA |
| Butylbenzylphthalate | 50,000 | ND | ND | ND | ND | 380 JD | ND | ND | NA |
| Benzo(a)anthracene | 224 | ND | **270 J** | ND | ND | **1,100 JD** | ND | ND | NA |
| Chrysene | 400 | ND | **530** | ND | ND | **3,000 JD** | ND | ND | NA |
| Bis(2-Ethylhexyl)phthalate | 50,000 | ND | 38 JB | 42 JB | ND | 13,000 BD | ND | 1.5 | NA |
| Di-n-octyl phthalate | 50,000 | ND | ND | ND | ND | ND | ND | ND | NA |
| Benzo(b)fluoranthene | 1,100 | ND | 620 | ND | ND | **5,100 D** | ND | ND | NA |
| Benzo(k)fluoranthene | 1,100 | ND | 200 J | ND | ND | **1,400 JD** | ND | ND | NA |
| Benzo(a)pyrene | 61 | ND | **360** | ND | ND | **680 JD** | ND | ND | NA |
| Indeno(1,2,3-cd)pyrene | 320 | ND | 310 J | ND | ND | **1,700 JD** | ND | ND | NA |

**Table 2**
**Soil Sampling Results (Metals)**
**Coral Graphics, 327 New South Road**
**Hicksville, New York**
**5/29/03**

| Analytical Compound | TAGM Standard (mg/KG) | Eastern USA Background (ug/KG) | Sample ID | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | CP-1 | SP-4 | SP-5 | SP-6 | SP-7 | DUP-1 | Field Blank | Trip Blank |
| Aluminum | SB | 33,000 | 10,800 | 9,780 | 860 | 777 | 1,390 | 4,590 | ND | NA |
| Antimony | SB | N/A | 22.7 | 26.8 | ND | 0.28 J | 0.90 J | ND | ND | NA |
| Arsenic | 7.5 or SB | 3-12 | **323** | **494** | 0.71 J | 0.28 J | 2.0 | 3.6 | ND | NA |
| Barium | 300 or SB | 15-600 | 158 | 115 | 5.1 J | 5.3 J | 89.5 | 13 J | ND | NA |
| Beryllium | 0.16 or SB | 0-1.7 | 0.53 J | 0.39 J | 0.10 J | 0.09 J | 0.06 J | 0.17 J | ND | NA |
| Cadmium | 0.1 or SB | 0.1 or 1.0 | **7.2** | **10.5** | ND | 0.08 J | 0.56 J | 0.14 J | ND | NA |
| Calcium | SB | 130-35,000 | 13,700 | 15,600 | 383 | 409 J | 2,430 | 8,250 | ND | NA |
| Chromium | 10 or SB | 1.5-40 | **58.4** | 71.3 | 3.9 | 2.0 | 20.6 | 5.1 | ND | NA |
| Cobalt | 30 or SB | 2.5-60 | **206** | **283** | 0.69 J | 0.43 J | 1.4 J | 2.5 J | ND | NA |
| Copper | 25 or SB | 0.1-50 | **4,216.30** | **6,530** | 3.9 | 24.7 | 27.2 | 8.0 | ND | NA |
| Iron | 2,000 or SB | 2,000-550,000 | 211,000 | 280,000 | 2,240 | 1,480 | 9,090 | 5,700 | ND | NA |
| Lead | SB | 200-500 | **831** | **908** | 2.0 | 17.4 | 59.9 | 13.2 | ND | NA |
| Magnesium | SB | 100-5,000 | 4,360 | 3,300 | 238 J | 180 J | 648 J | 4,900 | ND | NA |
| Manganese | SB | 50-5,000 | 468 | 352 | 33.2 | 11 | 59.4 | 110 | ND | NA |
| Mercury | 0.1 | 0.001-0.2 | 0.04 | ND | ND | 0.02 | 0.02 | 0.04 | ND | NA |
| Nickel | 13 or SB | 0.5-25 | **28.8** | 46.1 | 1.8 J | 1.4 J | 9.6 | 4.7 | ND | NA |
| Potasium | SB | 8,500-43,000 | 3,050 | 3,370 | 136 J | 99.6 J | 250 J | 229 J | ND | NA |
| Selenium | 2 or SB | 0.1-3.9 | 2.9 | ND | 0.65 | 0.40 J | 1.1 | 0.91 | ND | NA |
| Silver | SB | N/A | 2.3 | ND | 0.48 J | ND | 0.84 J | ND | ND | NA |
| Sodium | SB | 6,000-8,000 | 2,440 | 4,780 | 161 J | 131 J | 253 J | 147 J | ND | NA |
| Thallium | SB | N/A | 5.2 | 4.4 | ND | ND | ND | ND | ND | NA |
| Vanadium | 150 or SB | 1-300 | 17 | ND | 2.7 J | 2.2 J | 7.2 J | 10.1 | ND | NA |
| Zinc | 20 or SB | 9-50 | **9,700** | **16,100** | 16.9 | 14.1 | **132** | 42.6 | ND | NA |

# ATTACHMENT A

# LEACHING POOL SAMPLING LOCATIONS


#335
Former Septic Tank
SP-4
SP-5
SP-6
SP-1
SP-7
SP-2
Loading Dock Catch Basin SP-3
327 New South Road
Fuel Oil Tank
CP-1
Driveway
New South Road

# ATTACHMENT B

# NYSDEC AND NCDH CORRESPONDENCE JULY 9, 2003

## Eric Arnesen

**From:** John Lovejoy [EEPSJLL@health.co.nassau.ny.us]
**Sent:** Wednesday, July 09, 2003 1:00 PM
**To:** Robert Stewart; ziu01@health.state.ny.us
**Subject:** Re: UIC closure at 327 New South Road, #V00416-1

Date sent: Tue, 08 Jul 2003 15:43:00 -0400
From: "Robert Stewart" <rrstewar@gw.dec.state.ny.us>
To: <EEPSJLL@health.co.nassau.ny.us>
Copies to: "Walter Parish" <wjparish@gw.dec.state.ny.us>, <ziu01@health.state.ny.us>
Subject: UIC closure at 327 New South Road, #V00416-1

John,

You should have received a copy of the sediment sampling results for the former sanitary pools at 327 New South Road. Please indicate which pools require remediation under the UIC program. Also, I suspect that a few of the uncontaminated dry wells (SP-5 and SP-6) along the east border should be backfilled since they are no longer in use. You should already have the data for stormwater dry wells SP-1 and SP-2.

I suspect that CP-1, SP-1, SP-2 , SP-7 and SP-4 require remediation and that CP-1, SP-4, SP-5, and SP-6 need to be backfilled.

Thanks,
Bob

Bob,

Per our conversation, I have reviewed the initial sampling data for the leaching pools (injection wells) at Coral Graphics. I will be recommending to the USEPA that locations CP-1, SP-1, SP-2, SP-4 and SP-7 be remediated per UIC injection well reuse or closure requirements.

CP- 1 must be backfilled following remediation and approval from the USEPA and NCDOH (pending review of the endpoint sampling data). In addition, per Nassau County on-site sanitary system abandonment requirements, any septic tank associated with CP-1 must be pumped of its contents and filled with clean sand (if this has not already been done).

SP- 4, SP- 5 and SP-6 must be backfilled (following remediation for SP-4) if they are not going to be used for stormwater drainage. The property owner can petition the USEPA for the use of SP-4, SP-5 and SP-6 for stormwater injection (again, SP-4 must be remediated first) however, this will keep them as active injection wells subject to future USEPA regulation. I would recommend that they be filled in since the piping does not flow in that direction anyway and there most likely will be a requiremnt that it be shown that they will actually be used versus just an attempt to avoid backfilling.

With respect to the existing piping, all pipes leading from an active well to a backfilled location must be plugged or broken out to prevent drainage to the non-authorized location. Similarly, if SP-4, SP-5 and SP-6 are to remain in use, the piping would have to be altered to allow flow to those locations.

All of the above is subject to USEPA review and may not relfect their final decision, but I do not expect much variation. Lastly, a NCDOH representative must be present for the remediation and endpoint sampling. I will be sending the Department's recommendations to the USEPA regarding this matter shortly and will copy you.