Henry

NORTHROP GRUMMAN
Integrated Systems

Northrop Grumman Corporation
Airborne Early Warning and
Electronic Warfare Systems
South Oyster Bay Road
Bethpage, NY 11714-3581

ETC02L-062
April 2, 2002

Roger Murphy
Acting Section Chief
Eastern Engineering Section
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: Northrop Grumman Corporation
Plant 1 Remedial Program
Alodine Storage Chambers

Dear Mr. Murphy:

This is a follow-up to our July 2001 submittal of the following documents:

- "Phase II Site Assessment - Plant 1, Bethpage, New York" dated May 2001
- "Remedial Plan - Plant 1, Bethpage, New York" dated May 2001

As your staff is aware, in anticipation of receiving formal Department approval, Northrop Grumman Corporation has proceeded with the investigation and remediation of the Plant 1 facility consistent with the recommendations in the above-referenced reports. This aggressive approach was mandated by budgetary considerations and a desire to complete the remediation within a time frame that would support Department review and approval and closing on sale of the property before the end of the year so as to allow its expeditious return to supporting economic development within Nassau County. As mentioned in the Phase II report, certain remedial activities are also being undertaken at the Plant 1 facility in accordance with the United States Environmental Protection Agency (USEPA) Underground Injection Control (UIC) program. One area of concern at the facility is referred to as the former Alodine Storage Chambers. In consultation with the USEPA and the Nassau County Department of Health (NCDH), these structures were initially addressed under the UIC program since they were integral to the storm water drainage system at the facility. However, since these units were initially designed and utilized to also receive wastewater from metal plating operations, the USEPA and NCDH have informed us that they are requesting that the remediation of these structures be addressed by your office. It is our understanding that the NCDH has formally notified your office of this determination via correspondence dated March 19, 2002.

The former Alodine Storage Chambers are located immediately adjacent to a retaining wall separating the Plant 1 facility from an active Long Island Rail Road (LIRR) right of way. In fact, the northern wall of each chamber is located beneath the retaining wall. Attempts to remove the soil/sediment from within the chambers have already resulted in the partial collapse of portions of both chambers, potentially threatening the structural integrity of the retaining wall. Any attempt to sheet and shore this area to facilitate a more aggressive excavation would require a permit from the LIRR due to the close proximity of the active railroad line. The LIRR permit, if granted, would likely require, at a minimum, LIRR review/approval of sheeting/shoring plans, railroad protective liability insurance, the use flag-men, and work during off-peak hours to minimize disruption to normal rail service. In addition, numerous utilities exist in this area including but not limited to fiber optic cable.

Based on these considerations, we are proposing an alternate approach. Under this alternate approach, we would propose to excavate the maximum practical amount of soil from this area without sheeting and shoring. Assuming 1:1 side slopes, this would include the excavation of an area approximately 110 feet long by 27 feet wide, to a maximum depth of 12 feet deep (in the central portion of the excavation). Based on in-situ sampling activities and field observations, excavated soil would be segregated and it is estimated that approximately 200 cubic yards of soil would be transported off-site for proper disposal. The remaining excavated soil would be suitable for reuse as backfill based on existing analytical sampling data.

Overall, this alternate approach would result in a limited volume of soil remaining in place, primarily immediately below and along the northern wall of the chambers, that exhibited exceedances of cleanup objectives established for the Bethpage facility. However, based on existing data, with two exceptions, it is anticipated that the deepest exceedance of cleanup criteria in subsurface soil remaining in place would be at 10 to 12 feet below grade, approximately 40 feet above the groundwater interface. The exceptions to this include a concentration of 29.7 ppm of arsenic (cleanup objective is 20 ppm) that was detected in sample E14B02S15S7 (22'-24'), and a concentration of 539 ppm of chromium (cleanup objective is 390 ppm) that was detected in sample E14B02AENE12A (40'-42'). Due to the relatively minor, isolated nature of these exceedances, we do not believe that this represents a situation that poses a threat to groundwater quality. Numerous other samples were collected at depth and they did not exhibit a trend of either arsenic or chromium concentrations above the referenced cleanup criteria at depths exceeding 12 below grade. As a result, we believe the most prudent approach is to undertake the above referenced soil removal activities, followed by backfilling and paving to effectively "cap" the area and to prevent stormwater infiltration from facilitating any further vertical migration of residual concentrations of constituents of concern. In addition, Northrop Grumman is currently upgrading the existing stormwater drainage system to divert stormwater that previously was discharged to this area.

To assist you in reviewing this proposed remedial approach, we have enclosed copies of the analytical data obtained from this location (refer to Attachment 1), and a figure depicting the sampling locations as well as the proposed lines of excavation (refer to Attachment 2).

In order to facilitate the approval of the approach described above, as well as the ultimate transfer of this property, your prompt attention and response to this transmittal is greatly appreciated. Towards that end, I would also like to request that a meeting among the involved parties (similar to that which occurred on February 27, 2002 regarding the Plant 12 facility) be scheduled in the near future to facilitate discussion regarding this important matter. I will contact you within the next week to arrange for such a meeting at your convenience.

If you have any questions or comments, please do not hesitate to contact me at (516) 575-2333.

Very truly yours,

Larry L. Leskovjan
Manager
Environmental, Safety, Health &
Medical Services
M/S: D08-01

Attachments

cc: H. Wilkie (NYSDEC)
W. Gilday (NYSDOH)

ATTACHMENT 1

ANALYTICAL SUMMARY TABLES

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14 B01 4-5	E14 B01 10-12	E14B01A 10-12	E14B01A 14-16	E14B01A 20-22	E14B01A1 24-26	E14B01A1 28-30	E14B01A1 32-34	Comparison Value for RCRA Structures
Sample Depth (ft)	4-5	10-12	10-12	14-16	20-22	24-26	28-30	32-34	
Sampling Date	10/13/00	10/13/00	01/04/01	01/04/01	01/04/01	04/10/01	04/10/01	04/10/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	15.5	U	1.0 B	0.93 B	0.98 B	2.2	2.6	1.4	20
Barium	372	3.8 B	6.6 B	4.1 B	1.3 B	3.9 B	3.5 B	3.2 B	5500
Cadmium	39.4	U	U	U	U	0.89	0.42 B	0.05 B	78
Chromium	4430 E	185 E	202	163	83.7	93.7	103	40.9	390
Lead	2170 E	5.1 E	5.0	4.2	3.1	12.6	6.5	2.4	400
Mercury	3 N	0.04 UN	0.11	U	U	0.07	U	U	23
Selenium	2.4	U	U	0.41 B	U	U	U	U	390
Silver	0.54 B	U	U	U	U	0.15 B	0.38 B	0.15 B	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01NW5 5-7	E14B01NW5 11-13	E14B01NW5 17-19	E14B01NW5 21-23	E14B01NE5 5-7	E14B01NE5 11-13	E14B01NE5 15-17	E14B01NE5 21-23	Comparison Value for RCRA Structures
Sample Depth (ft)	5-7	11-13	17-19	21-23	5-7	11-13	15-17	21-23	
Sampling Date	12/29/00	12/29/00	12/29/00	12/29/00	12/29/00	12/29/00	12/29/00	12/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	4.6	U	U	2.2	1.1	1.2	0.57 B	U	20
Barium	4.5 B	3.8 B	2.9 B	4.1 B	5.3 B	2.8 B	3.9 B	6.3 B	5500
Cadmium	U	0.18 B	U	U	0.2 B	U	0.05 B	U	78
Chromium	10.1	62	58.1	29.4	8.6	18.4	52.9	51.1	390
Lead	3.3	0.76	1.3	3.5	4.2	0.89	1.1	1.1	400
Mercury	U	U	U	U	U	U	U	U	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	U	U	U	U	U	U	U	U	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01NE5A 22-24	E14B01NE5A 26-28	E14B01NE5A 30-32	E14B01S7 5-7	E14B01S7 11-13	E14B01S7 15-17	E14B01S7 21-23	E14B01SW10 10-12	Comparison Value for RCRA Structures
Sample Depth (ft)	22-24	26-28	30-32	5-7	11-13	15-17	21-23	10-12	
Sampling Date	4/11/01	4/11/01	4/11/01	12/27/00	12/27/00	12/27/00	12/27/00	12/28/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	U	0.3 B	0.89 B	5	1.1	1.7	1 B	0.53 B*	20
Barium	7.3 B	10.6 B	2.8 B	5.3 B	2.4 B	2.6 B	1.8 B	3.7 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	42.3	27.9	53.8	31.2	4.9	27.5	19.7	4.3	390
Lead	2.1	0.84	1.1	2.5	0.71	2.1	1.3	0.99	400
Mercury	U	U	U	U	U	U	U	U	23
Selenium	0.52	0.46 B	U	0.63	U	U	U	U	390
Silver	0.14 UN	0.13 UN	0.13 UN	U	U	U	U	0.06 B	390

Qualifiers

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detetction Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

: Result exceeds Comparison Value

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								Comparison Value for RCRA Structures
Sample ID	E14B01SW10 16-18	E14B01SW10 22-24	E14B01SW10 26-28	E14B01WNW11 16-18	E14B01WNW11 20-22	E14B01WNW11 24-26	E14B01WNW11 30-32	E14B01SE11 10-12	
Sample Depth (ft)	16-18	22-24	26-28	16-18	20-22	24-26	30-32	10-12	
Sampling Date	12/28/00	12/28/00	12/28/00	12/27/00	12/27/00	12/27/00	12/27/00	12/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.6 *	1.4 *	1.2 *	1.4	1.8	2	1.5	0.83 B	20
Barium	15.1 B	4.1 B	4.9 B	5.3 B	4.9 B	5.9 B	2.7 B	4.4 B	5500
Cadmium	U	U	U	0.07 B	0.33 B	0.23 B	U	U	78
Chromium	19.2	6.4	12.3	60.2	39.6	35.4	8.2	27.2	390
Lead	1.9	0.98	1.5	2.9	2.7	1.4	2.4	1.4	400
Mercury	0.03	0.13	U	U	0.05	U	U	U	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	0.1 B	0.06 B	0.11 B	0.07 B	0.14 B	0.09 B	U	U	390

Sample Location	Former Alodine Storage Chambers								Comparison Value for RCRA Structures
Sample ID	E14B01SE11 18-20	E14B01SE11 22-24	E14B01SE11 26-28	E14B01WNW15 16-18	E14B01WNW15 22-24	E14B01WNW15 26-28	E14B01WNW15 30-32	E14B01S15 16-18	
Sample Depth (ft)	18-20	22-24	26-28	16-18	22-24	26-28	30-32	16-18	
Sampling Date	12/29/00	12/29/00	12/29/00	01/03/01	01/03/01	01/03/01	01/03/01	12/28/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.68 B	U	0.78 B	2.0	3.3 B	8.6	3.7	0.95 B	20
Barium	3.5 B	3.5 B	3.6 B	3.6 B	5.8 B	6.7 B	3.8 B	6.7 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	8.3	11.5	14.8	6.5	10.7	19.8	6.6	10.7	390
Lead	0.79	0.91	0.87	1.8	0.42	2.3	2.4	1.2	400
Mercury	1.1	U	U	U	U	U	0.10	U	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	U	U	U	U	U	U	U	0.19 B	390

Sample Location			Former Alodine Storage Chambers						Comparison Value for RCRA Structures
Sample ID	E14B01S15 22-24	E14B01S15 28-30	E14B01S15 30-32	E14B01W10 4-6	E14B01W10 10-12	E14B01W10 16-18	E14B01W10 22-24	E14B01W10 28-30	
Sample Depth (ft)	22-24	28-30	30-32	4-6	10-12	16-18	22-24	28-30	
Sampling Date	12/28/00	12/28/00	12/28/00	04/09/01	04/09/01	04/09/01	04/09/01	04/09/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	2.1	2.6	1.6	0.48 B	0.6 B	0.77 B	1.2	1.4	20
Barium	6.8 B	5.5 B	3.8 B	3.4 B	3.4 B	6.2 B	5 B	6.8 B	5500
Cadmium	U	U	U	0.04 B	U	0.06 B	U	U	78
Chromium	7.3	8.40	5.6	8.9	20.7	22.8	18.8	31.3	390
Lead	1.7	1.7	1.9	1.4	2	2.1	1.1	1.7	400
Mercury	U	U	U	U	U	U	U	U	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	U	U	U	0.3 B	0.5 B	0.25 B	0.4 B	0.47 B	390

Qualifiers

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detetction Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

: Result exceeds Comparison Value

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01WSW15 16-18	E14B01WSW15 20-22	E14B01WSW15 26-28	E14B01WSW15 30-32	E14 B02 7-8	E14 B02 10-12	E14B02A 10-12	E14B02A 16-18	Comparison Value for RCRA Structures
Sample Depth (ft)	16-18	20-22	26-28	30-32	7-8	10-12	10-12	16-18	
Sampling Date	12/28/00	12/28/00	12/28/00	12/28/00	10/16/00	10/16/00	01/04/01	01/04/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.2	3	3.7	2.7	3	12.4	1.9	0.71 B	20
Barium	7 B	5.9 B	8.1 B	8.1 B	9.5 B	170	4.3 B	4.4 B	5500
Cadmium	U	U	U	U	U	25.1	U	U	78
Chromium	4.8	5.8	13.7	9.0	22.3 N	3420 N	183	160	390
Lead	2.6	1.1	3.1	2.2	2.9	635	3.6	5.4	400
Mercury	U	0.08	U	U	1.6	U	U	U	23
Selenium	U	U	U	U	U	3.3	U	U	390
Silver	U	U	U	U	U	U	U	U	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02A 20-22	E14B02A1 24-26	E14B02A1 26-28	E14B02A1 30-32	E14B02A2 32-34	E14B02A2 36-38	E14B02A2 46-48	E14B02A2 48-50	Comparison Value for RCRA Structures
Sample Depth (ft)	20-22	24-26	26-28	30-32	32-34	36-38	46-48	48-50	
Sampling Date	01/04/01	4/11/01	4/11/01	4/11/01	11/08/01	11/08/01	11/08/01	11/08/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	3.0	U	2.1	0.75 B	NR	NR	NR	NR	20
Barium	2.7 B	2.4 B	2.6 B	3.5 B	NR	NR	NR	NR	5500
Cadmium	0.09 B	0.18 B	U	0.46 B	NR	NR	NR	NR	78
Chromium	157	178	164	102	67.6 *	110 *	59.4 *	8.7 *	390
Lead	7.5	8.4	7.5	14.1	NR	NR	NR	NR	400
Mercury	U	0.08	0.05	0.09	NR	NR	NR	NR	23
Selenium	U	0.49 B	U	U	NR	NR	NR	NR	390
Silver	U	0.22 BN	0.14 UN	0.14 UN	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02AENE12 4-6	E14B02AENE12 12-14	E14B02AENE12 18-20	E14B02AENE12 24-26	E14B02AENE12 30-32	E14B02AENE12A 32-34	E14B02AENE12A 36-38	4B02AENE12A 40-42	Comparison Value for RCRA Structures
Sample Depth (ft)	4-6	12-14	18-20	24-26	30-32	32-35	36-38	40-42	
Sampling Date	04/06/01	04/06/01	04/06/01	04/06/01	04/06/01	11/08/01	11/08/01	11/08/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	U	U	1.1	2.5	4.9	NR	NR	NR	20
Barium	5.1 B	26.7	4.2 B	1.7 B	1.7 B	NR	NR	NR	5500
Cadmium	U	U	U	U	U	NR	NR	NR	78
Chromium	13.5 *	13.8 *	12.6 *	51.2 *	103 *	48 *	136 *	539 *	390
Lead	2.8	1.7	1.4	2.2	2.4	NR	NR	NR	400
Mercury	0.03 UN	0.03 UN	0.03 UN	0.04 UN	0.04 UN	NR	NR	NR	23
Selenium	U	U	U	U	U	NR	NR	NR	390
Silver	U	U	U	0.17 B	U	NR	NR	NR	390

Qualifiers

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detetction Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

: Result exceeds Comparison Value

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02AENE12A 44-46	E14B02AENE12A 48-50	E14B02AESE12 10-12	E14B02AESE12 16-18	E14B02AESE12 20-22	E14B02AESE12 22-24	E14B02AESE12 28-30	E14B02AESE12A 32-34	Comparison Value for RCRA Structures
Sample Depth (ft)	44-46	48-50	10-12	16-18	20-22	22-24	28-30	32-34	
Sampling Date	11/08/01	11/08/01	04/09/01	04/09/01	04/09/01	04/09/01	04/09/01	11/08/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	0.75 B	1.4	0.95 B	2.2	4.9	NR	20
Barium	NR	NR	3.2 B	5.6 B	2.4 B	1.7 B	1.1 B	NR	5500
Cadmium	NR	NR	U	U	U	U	0.08 B	NR	78
Chromium	78.1 *	28.4 *	4.4	13.8	10.7	32.7	104	44.6 *	390
Lead	NR	NR	0.78	1	1.9	1.2	1.5	NR	400
Mercury	NR	NR	U	U	U	U	U	NR	23
Selenium	NR	NR	U	0.52	U	0.63	0.87	NR	390
Silver	NR	NR	0.2 B	0.28 B	0.15 B	0.5 B	1.3	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02AESE12A 36-38	E14B02AESE12A 40-42	E14B02AESE12A 44-46	E14B02AESE12A 48-50	E14B02N5 5-7	E14B02N5 11-13	E14B02N5 17-19	E14B02N5 21-23	Comparison Value for RCRA Structures
Sample Depth (ft)	36-38	40-42	44-46	48-50	5-7	11-13	17-19	21-23	
Sampling Date	11/08/01	11/08/01	11/08/01	11/08/01	01/02/01	01/02/01	01/02/01	01/02/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	10.9	1.6	2.6	0.89 B	20
Barium	NR	NR	NR	NR	13.4 B	3.7 B	5.6 B	6.1 B	5500
Cadmium	NR	NR	NR	NR	1.7	U	0.06 B	U	78
Chromium	105 *	206 *	112 *	93.1 *	57.8	39	24	18.1	390
Lead	NR	NR	NR	NR	51.8	1.1	11.6	1.9	400
Mercury	NR	NR	NR	NR	0.04 U	U	U	U	23
Selenium	NR	NR	NR	NR	U	U	U	U	390
Silver	NR	NR	NR	NR	0.08 B	U	U	0.08 B	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02N5A 7-9	E14B02N5A 9-11	E14B02S7 5-7	E14B02S7 11-13	E14B02S7 15-17	E14B02S7 21-23	E14B02SE11 10-12	E14B02SE11 16-18	Comparison Value for RCRA Structures
Sample Depth (ft)	7-9	9-11	5-7	11-13	15-17	21-23	10-12	16-18	
Sampling Date	4/11/01	4/11/01	01/02/01	01/02/01	01/02/01	01/02/01	12/29/00	12/29/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	sad	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	U	U	0.95 B	0.93 B	0.69 B	2.2	0.45 B	0.43 B	20
Barium	3.6 B	4 B	4.2 B	2.7 B	2.5 B	6.6 B	6.1 B	2.9 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	1.3	1.5	10.8	3.7	7.4	38	13.5	35.3	390
Lead	0.84	0.77	0.84	0.71	0.63	1.2	1.1	0.65	400
Mercury	U	U	U	U	U	U	U	U	23
Selenium	0.42 B	U	U	U	U	U	U	U	390
Silver	0.13 UN	0.13 UN	0.06 B	U	U	0.07 B	U	U	390

Qualifiers

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detetction Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02SE11 20-22	E14B02SE11 26-28	E14B02S15 16-18	E14B02S15 22-24	E14B02S15 26-28	E14B02S15 30-32	E14B02S15E10 10-12	E14B02S15E10 16-18	Comparison Value for RCRA Structures
Sample Depth (ft)	20-22	26-28	16-18	22-24	26-28	30-32	10-12	16-18	
Sampling Date	12/29/00	12/29/00	01/04/01	01/04/01	01/04/01	01/04/01	04/09/01	04/09/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.61 B	0.69 B	1.8	1.9	2.3	2	0.53 B	0.55 B	20
Barium	2.9 B	2.8 B	4.2 B	7.7 B	4.5 B	6.1 B	5.1 B	6.6 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	45.2	36	7.9	12.7	10.6	8.3	21.4	6.9	390
Lead	0.88	0.83	1.9	4.2	1.7	1.8	1.5	1.1	400
Mercury	0.07	0.07	0.06	U	0.84	U	U	U	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	U	U	U	U	U	U	0.31 B	0.17 B	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02S15E10 20-22	E14B02S15E10 26-28	E14B02S15E10 30-32	E14B02S15S7 12-14	E14B02S15S7 16-18	E14B02S15S7 22-24	E14B02S15S7 26-28	E14B02S15S7 30-32	Comparison Value for RCRA Structures
Sample Depth (ft)	20-22	26-28	30-32	12-14	16-18	22-24	26-28	30-32	
Sampling Date	04/09/01	04/09/01	04/09/01	04/10/01	04/10/01	04/10/01	04/10/01	04/10/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.7	1 B	3.5	0.97 B	1.8	29.7	1.6	0.8 B	20
Barium	5.7 B	5.7 B	3.4 B	8.7 B	8.4 B	6.4 B	8 B	6.9 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	16.5	19.2	11.1	12.9	1.8	26.5	9.6	8.2	390
Lead	1.4	1.4	1.4	1.8	1.1	2.1	1.4	0.47	400
Mercury	U	U	0.21	U	U	U	U	0.04	23
Selenium	U	0.61	U	0.67	U	U	U	U	390
Silver	0.41 B	0.45 B	0.33 B	U	0.17 B	0.5 B	0.18 B	U	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02S15W10 12-14	E14B02S15W10 16-18	E14B02S15W10 20-22	E14B02S15W10 24-26	E14B02S15W10 28-30	E14 B03 8-9	E14 B03 10-12	E14B03A 10-12	Comparison Value for RCRA Structures
Sample Depth (ft)	12-14	16-18	20-22	24-26	28-30	8-9	10-12	10-12	
Sampling Date	04/09/01	04/09/01	04/09/01	04/09/01	04/09/01	10/16/00	10/16/00	01/04/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.45 B	0.26 U	1.7	0.64 B	0.69 B	7.2	1.8	U	20
Barium	9.3 B	6.4 B	3.7 B	3.3 B	9.1 B	91.1	13.7 B	3.4 B	5500
Cadmium	U	U	0.14 B	U	U	8.9	U	U	78
Chromium	20.4	4.3	4.6	4.1	17.6	2000 N	7.7 N	151	390
Lead	1.9	0.79	0.8	0.82	0.99	296	3.3	3.4	400
Mercury	U	U	0.07	U	U	0.63	U	U	23
Selenium	U	U	U	U	U	2.6	U	U	390
Silver	0.24 B	U	0.29 B	0.17 B	0.14 U	U	0.12 B	U	390

Qualifiers

U: Constituent was not detected at the indicated concentration.

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*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03A 14-16	E14B03A 20-22	E14B03A1 22-24	E14B03A1 26-28	E14B03A1 30-32	E14B03A2 32-34	E14B03A2 36-38	E14B03A2 40-42	Comparison Value for RCRA Structures
Sample Depth (ft)	14-16	20-22	22-24	26-28	30-32	32-34	36-38	40-42	
Sampling Date	01/04/01	01/04/01	04/06/01	04/06/01	04/06/01	11/09/01	11/09/01	11/09/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	0.89 B	1.7	2.8	2.2	5	NR	NR	NR	20
Barium	4.1 B	2.3 B	3.7 B	1.7 B	2 B	NR	NR	NR	5500
Cadmium	U	U	U	U	U	NR	NR	NR	78
Chromium	132	62.3	68.3 *	73.9 *	85.7 *	32 N*	78 N*	40.5 N*	390
Lead	4.3	2.8	4.5	2.7	5.2	NR	NR	NR	400
Mercury	U	U	0.04 UN	0.06 N	0.04 UN	NR	NR	NR	23
Selenium	U	U	U	U	U	NR	NR	NR	390
Silver	U	U	0.18 U	U	U	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14Bv3A2 44-46	E14B03A2 48-50	E14B03ESE5 6-8	E14B03ESE5 14-16	E14B03ESE5 20-22	E14B03ESE5 24-26	E14B03ESE5 30-32	E14B03ESE5A 32-34	Comparison Value for RCRA Structures
Sample Depth (ft)	44-46	48-50	6- 8	14-16	20-22	24-26	30-32	32-34	
Sampling Date	11/09/01	11/09/01	04/05/01	04/05/01	04/05/01	04/05/01	04/05/01	11/07/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	1.7	1.4	4	U	3.2	NR	20
Barium	NR	NR	4.1 B	4 B	2.3 B	2.7 B	1.7 B	NR	5500
Cadmium	NR	NR	U	U	U	U	U	NR	78
Chromium	41.4 N*	48.7 N*	7.8	49.6	71.7	68.3	83.5	31.1 *	390
Lead	NR	NR	1.8 *	1.4 *	2.1 *	1.4 *	2.5 *	NR	400
Mercury	NR	NR	0.04 UN*	0.03 UN*	0.03 UN*	0.04 UN*	0.04 UN*	NR	23
Selenium	NR	NR	U	U	U	U	U	NR	390
Silver	NR	NR	0.17 UN*	0.16 UN*	0.17 UN*	0.17 UN*	0.17 UN*	NR	390

Sample Location			Former Alodine Storage Chambers						
Sample ID	E14B03ESE5A 36-38	E14B03ESE5A 40-42	E14B03ESE5A 44-46	E14B03ESE5A 48-50	E14B03SSE15 16-18	E14B03SSE15 20-22	E14B03SSE15 24-26	E14B03SSE15 28-30	Comparison Value for RCRA Structures
Sample Depth (ft)	36-38	40-42	44-46	48-50	16-18	20-22	24-26	28-30	
Sampling Date	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	117 *	26.3 *	30.5 *	15.2 *	3.7 *	3.7 *	6.6 *	15.7 *	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Qualifiers

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E: Reported value is estimated due to interference

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Notes:

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03SSE 32-34	E14B03SSE15 36-38	E14B03SSE15 40-42	E14B03SSE15 44-46	E14B03SSE25 34-36	E14B03SSE25 38-40	E14B03SSE25 42-44	E14B03SSE25 46-48	Comparison Value for RCRA Structures
Sample Depth (ft)	32-34	36-38	40-42	44-46	34-36	38-40	42-44	28-30	
Sampling Date	11/07/01	11/07/01	11/07/01	11/07/01	12/06/01	12/06/01	12/06/01	12/06/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	11.4 *	26.2 *	111 *	10.8 *	7.6 *	62.1 *	30.6 *	21.7 *	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03ESE15 16-18	E14B03ESE15 20-22	E14B03ESE15 24-26	E14B03ESE15 28-30	E14B03ESE15 32-34	E14B03ESE15 36-38	E14B03ESE15 40-42	E14B03ESE15 44-46	Comparison Value for RCRA Structures
Sample Depth (ft)	16-18	20-22	24-26	28-30	32-34	36-38	40-42	44-46	
Sampling Date	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	11/07/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	6.6 *	6.4 *	9.3 *	23.5 *	10.8 *	31.8 *	12 *	177 *	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03ESE15 48-50	E14B03ESE25 34-36	E14B03ESE25 38-40	E14B03ESE25 42-44	E14B03ESE25 46-48	E14B03NW5 5-7	E14B03NW5 9-11	E14B03NW5 15-17	Comparison Value for RCRA Structures
Sample Depth (ft)	48-50	34-36	38-40	42-44	46-48	5-7	9-11	15-17	
Sampling Date	11/07/01	12/06/01	12/06/01	12/06/01	12/06/01	01/02/01	01/02/01	01/02/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	7.3	3.8	0.44 B	20
Barium	NR	NR	NR	NR	NR	21.5	4.9 B	2.3 B	5500
Cadmium	NR	NR	NR	NR	NR	2.1	0.09 B	U	78
Chromium	12.1 *	12.9 *	24.3 *	24.7 *	18.9 *	156	21.4	1.9	390
Lead	NR	NR	NR	NR	NR	34.0	4.1	0.59	400
Mercury	NR	NR	NR	NR	NR	0.29 U	U	U	23
Selenium	NR	NR	NR	NR	NR	0.82 U	U	U	390
Silver	NR	NR	NR	NR	NR	U	0.08 B	U	390

Qualifiers

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E: Reported value is estimated due to interference

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Notes:

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03NW5 21-23	E14B03NE5 5-7	E14B03NE5 11-13	E14B03NE5 15-17	E14B03NE5 21-23	E14B03S7 6-8	E14B03S7 14-16	E14B03S7 20-22	Comparison Value for RCRA Structures
Sample Depth (ft)	21-23	5-7	11-13	15-17	21-23	6-8	14-16	20-22	
Sampling Date	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	04/06/01	04/06/01	04/06/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1 B	2.5	0.73 B	1.2	0.73 B	U	U	U	20
Barium	8.5 B	3.9 B	2.1 B	4.0 B	3.5 B	5.2 B	5.8 B	3.3 B	5500
Cadmium	U	U	U	U	U	U	U	U	78
Chromium	3.1	7.9	13.7	37.3	15	4.3 *	13.2 *	8.7 *	390
Lead	0.63	1.9	0.68	1.2	0.6	1.6	1.7	2.4	400
Mercury	U	U	U	U	U	0.04 UN	0.03 UN	0.04 UN	23
Selenium	U	U	U	U	U	U	U	U	390
Silver	U	U	U	U	U	U	U	U	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03S7 26-28	E14B03S7 30-32	E14B03SE10 10-12	E14B03SE10 16-18	E14B03SE10 20-22	E14B03SE10 26-28	E14B03SE25 34-36	E14B03SE25 38-40	Comparison Value for RCRA Structures
Sample Depth (ft)	26-28	30-32	10-12	16-18	20-22	26-28	34-36	38-40	
Sampling Date	04/06/01	04/06/01	01/02/01	01/02/01	01/02/01	01/02/01	12/06/01	12/06/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	U	1.2	U	0.79 B	2	2	NR	NR	20
Barium	3.5 B	8.8 B	2.3 B	3.8 B	2.6 B	4.5 B	NR	NR	5500
Cadmium	U	U	U	U	U	U	NR	NR	78
Chromium	4.2 *	29 *	2.6	16.7	23.4	17.7	9.3 *	19.9 *	390
Lead	1	2.2	0.73	0.85	0.72	0.94	NR	NR	400
Mercury	0.04 UN	0.04 UN	0.04	U	U	U	NR	NR	23
Selenium	U	U	U	U	U	U	NR	NR	390
Silver	U	U	U	U	U	0.1 B	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03SE25 42-44	E14B03SE25 46-48	E14B03E10 10-12	E14B03E10 16-18	E14B03E10 22-24	E14B03E10 26-28	E14B0932-34	E14B0936-38	Comparison Value for RCRA Structures
Sample Depth (ft)	42-44	46-48	10-12	16-18	22-24	26-28	P1402-01	P1402-02	
Sampling Date	12/06/01	12/06/01	01/02/01	01/02/01	01/02/01	01/02/01	2/6/02	2/6/02	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	0.78 B	1.4	1.5	2.1	NR	NR	20
Barium	NR	NR	5.6 B	7.9 B	4.2 B	3.9 B	NR	NR	5500
Cadmium	NR	NR	U	U	U	U	NR	NR	78
Chromium	12.9 *	14.4 *	5.7	13.7	13.4	15.7	16.1	7.5	390
Lead	NR	NR	1.7	1.2	1.1	1.1	NR	NR	400
Mercury	NR	NR	U	U	U	U	NR	NR	23
Selenium	NR	NR	U	U	U	U	NR	NR	390
Silver	NR	NR	0.11 B	U	U	U	NR	NR	390

Qualifiers

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E: Reported value is estimated due to interference
N: Spiked sample recovery not within control limits
*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Notes:

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NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Alodine Storage Chambers								
Sample ID	E14B0940-42	E14B0944-46	E14B0948-50	E14B0832-34	E14B0836-38	E14B0840-42	E14B0844-46	E14BO848-50	Comparison Value for RCRA Structures
Sample Depth (ft)	P1402-03	P1402-04	P1402-05	P1402-06	P1402-07	P1402-10	P1402-11	P1402-12	
Sampling Date	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	142	77	27.7	4.9	13.6	12.9	13.3	31.2	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B0732-34	E14B0736-38	E14B740-42	E14B0744-46	E14B0748-50	E14B0732-34	E14B0736-38	E14B740-42	Comparison Value for RCRA Structures
Sample Depth (ft)	P1402-13	P1402-14	P1402-15	P1402-16	P1402-17	P1402-13	P1402-14	P1402-15	
Sampling Date	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	2/6/02	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	6.6	6.2	38.3	31	12.5	6.6	6.2	38.3	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B0744-46	E14B0748-50	E14B0532-34	E14B0536-38	E14B0540-42	E14B0544-46	E14B0548-50	E14B0432-34	Comparison Value for RCRA Structures
Sample Depth (ft)	P1402-16	P1402-17	P1139-01	P1139-02	P1139-03	P1139-04	P1139-05	P1139-06	
Sampling Date	2/6/02	2/6/02	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	31	12.5	14.6	16.6	37	30.3	20	8.8	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Qualifiers:

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 1
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1 FORMER ALODINE STORAGE CHAMBERS

RCRA METALS

Sample Location	Alodine Storage Chambers								
Sample ID	E14B0436-38	E14B0440-42	E14B0444-46	E14B0448-50	E14B0632-34	E14B0636-38	E14B0640-42	E14B0644-46	Comparison Value for RCRA Structures
Sample Depth (ft)	P1139-09	P1139-10	P1139-11	P1139-12	P1139-13	P1139-14	P1139-15	P1139-16	
Sampling Date	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	01/16/02	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	NR	NR	NR	NR	NR	NR	NR	NR	20
Barium	NR	NR	NR	NR	NR	NR	NR	NR	5500
Cadmium	NR	NR	NR	NR	NR	NR	NR	NR	78
Chromium	44.1	194	57.8	32.2	5.6	19.1	49	25.3	390
Lead	NR	NR	NR	NR	NR	NR	NR	NR	400
Mercury	NR	NR	NR	NR	NR	NR	NR	NR	23
Selenium	NR	NR	NR	NR	NR	NR	NR	NR	390
Silver	NR	NR	NR	NR	NR	NR	NR	NR	390

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B0648-50								Comparison Value for RCRA Structures
Sample Depth (ft)	P1139-17								
Sampling Date	01/16/02								
Matrix	S								
Dilution Factor	1.0								
Units	mg/kg								mg/kg
Arsenic	NR								20
Barium	NR								5500
Cadmium	NR								78
Chromium	31.7								390
Lead	NR								400
Mercury	NR								23
Selenium	NR								390
Silver	NR								390

Qualifiers:

U: Constituent was not detected at the indicated concentration.

B: Constituent detected below the Contract Required Detetction Limit but greater than or equal to the Instrument Detection Limit

E: Reported value is estimated due to interference

N: Spiked sample recovery not within control limits

*: For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

: Result exceeds Comparison Value

SB: Site background

NR: Not analyzed

Table 2
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

VOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers		Former Alodine Storage Chambers						
Sample ID	E14 B01 4-5	E14 B01 10-12	E14 B02 7-8	E14 B02 10-12	E14 B03 8-9	E14 B03 10-12			Comparison Value for RCRA Structures
Sample Depth (ft)	4-5	10-12	7-8	10-12	8-9	10-12			
Sampling Date	10/13/00	10/13/00	10/16/00	10/16/00	10/16/00	10/16/00			
Matrix	S	S	S	S	S	S			
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg			ug/kg
Chloromethane	U	U	U	U	U	U			---
Bromomethane	U	U	U	U	U	U			---
Vinyl Chloride	U	U	U	U	U	U			300
Chloroethane	U	U	U	U	U	U			---
Methylene Chloride	25	14	U	U	U	U			85000
Trichlorofluoromethane	U	U	U	U	U	U			---
1,1-Dichloroethene	U	U	U	U	U	U			1000
1,1-Dichloroethane	9.9 J	U	U	U	U	U			7800000
trans-1,2-Dichloroethene	U	U	U	U	U	U			1600000
cis-1,2-Dichloroethene	6.7 J	U	U	U	U	U			780000
Chloroform	25	U	U	U	U	U			100000
1,2-Dichloroethane	U	U	U	U	U	U			7000
1,1,1-Trichloroethane	U	U	U	U	U	U			---
Carbon Tetrachloride	U	U	U	U	U	U			5000
Bromodichloromethane	U	U	U	U	U	U			10000
1,2-Dichloropropane	U	U	U	U	U	U			9000
cis-1,3-Dichloropropene	U	U	U	U	U	U			4000
Trichloroethene	3.4 J	U	U	U	U	U			58000
Dibromochloromethane	U	U	U	U	U	U			---
1,1,2-Trichloroethane	U	U	U	U	U	U			11000
Benzene	U	U	U	U	U	U			22000
t-1,3-Dichloropropene	U	U	U	U	U	U			4000
2-Chloroethyl Vinyl Ether	U	U	U	U	U	U			---
Bromoform	U	U	U	U	U	U			81000
Tetrachloroethene	U	U	U	U	J	U			12000
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U			3000
Toluene	U	U	U	U	U	U			16000000
Chlorobenzene	U	U	U	U	U	U			1600000
2-Butanone	U	U	U	U	U	U			---
Ethyl Benzene	U	U	U	U	U	U			7800000
m/p-Xylenes	U	U	U	U	U	U			160000000
o-Xylene	U	U	U	U	U	U			160000000
Acetone	U	U	U	U	U	U			7800000
Carbon Disulfide	U	U	U	U	U	U			7800000
4-Methyl-2-Pentanone	U	U	U	U	U	U			---
2-Hexanone	13	U	U	U	U	U			---
Styrene	U	U	U	U	U	U			16000000
1,3-Dichlorobenzene	U	U	U	U	U	U			---
1,4-Dichlorobenzene	U	U	U	U	U	U			27000
1,2-Dichlorobenzene	U	U	U	U	U	U			7000000
Dichlorodifluoromethane	U	U	U	U	U	U			---
Vinyl Acetate	U	U	U	U	U	U			78000000
2,2-Dichloropropane	U	U	U	U	U	U			---
Bromochloromethane	U	U	U	U	U	U			---
1,1-Dichloropropene	U	U	U	U	U	U			---
1,3-Dichloropropane	U	U	U	U	U	U			---
1,2-Dibromoethane	U	U	U	U	U	U			---
Isopropylbenzene	U	U	U	U	U	U			---
1,2,3-Trichloropropane	U	U	U	U	U	U			---
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U			---
Bromobenzene	U	U	U	U	U	U			---
n-propylbenzene	U	U	U	U	U	U			---
2-Chlorotoluene	U	U	U	U	U	U			---
1,3,5-Trimethylbenzene	U	U	U	U	U	U			---
4-Chlorotoluene	U	U	U	U	U	U			---
tert-Butylbenzene	U	U	U	U	U	U			---
1,2,4-Trimethylbenzene	U	U	U	U	U	U			---
sec-Butylbenzene	U	U	U	U	U	U			---
p-Isopropyltoluene	U	U	U	U	U	U			---
Dibromomethane	U	U	U	U	U	U			---
n-Butylbenzene	U	U	U	U	U	U			---
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U			---
1,2,4-Trichlorobenzene	U	U	U	U	U	U			780000
Hexachlorobutadiene	U	U	U	U	U	U			8000
Naphthalene	U	U	U	U	U	U			3100000
MTBE	U	U	U	U	U	U			---
1,2,3-Trichlorobenzene	U	U	U	U	U	U			---
Total Confident Conc. VOAs (s)	83	14							10000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

Notes:

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14 B01 4-5	E14 B01 10-12	E14B01A 10-12	E14B01A 14-16	E14B01A 20-22	E14B01NW5 5-7	E14B01NW5 11-13	E14B01NW5 17-19	Comparison Value
Sample Depth (ft)	4-5	10-12	10-12	14-16	20-22	5-7	11-13	17-19	for RCRA
Sampling Date	10/13/00	10/13/00	01/04/01	01/04/01	01/04/01	12/29/00	12/29/00	12/29/00	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	210 J	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	130 J	690	110 J	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	650 J	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	48 J	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	580 J	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	2700	U	U	81 J	100 J	U	59 J	U	---
Anthracene	780	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	47 J	U	U	U	U	U	U	7800000
Fluoranthene	1200	U	U	84 J	110 J	U	69 J	U	3100000
Pyrene	3700	U	U	73 J	83 J	U	67 J	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	2200	U	U	37 J	49 J	U	45 J	U	900
Chrysene	2100	U	U	47 J	64 J	U	45 J	U	88000
bis(2-Ethylhexyl)phthalate	25000 D	U	44 J	40 J	75 J	35 J	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	1900	U	U	U	41 J	U	U	U	900
Benzo(k)fluoranthene	2400	U	U	48 J	46 J	U	U	U	9000
Benzo(a)pyrene	1700	U	U	U	41 J	U	U	U	90
Indeno(1,2,3-cd)pyrene	530 J	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	81 J	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	840	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	J	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	10911	0	ND	132	241	ND	90	ND	10000
Total PAHs	21761	0	ND	370	534	ND	285	ND	100000
Total Confident Conc. SVOAs (s)	46761	177	734	520	609	35	285	48	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01NW5 21-23	E14B01NE5 5-7	E14B01NE5 11-13	E14B01NE5 15-17	E14B01NE5 21-23	E14B01NE5A 7-9	E14B01NE5A 9-11	E14B01S7 5-7	Comparison Value for RCRA Structures
Sample Depth (ft)	21-23	5-7	11-13	15-17	21-23	7-9	9-11	5-7	
Sampling Date	12/29/00	12/29/00	12/29/00	12/29/00	12/29/00	4/11/01	4/11/01	12/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	J	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	620	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	460	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	3200	U	U	U	U	48 J	U	---
Anthracene	U	1200	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	U	U	U	U	U	7800000
Fluoranthene	U	2600 E	U	U	U	U	79 J	U	3100000
Pyrene	U	2300	U	U	U	U	61 J	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	2000	U	U	U	U	43 J	U	900
Chrysene	U	1700	U	U	U	U	45 J	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	U	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	1800	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	700	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	1300	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	140 J	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	53 J	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	220 J	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	150 J	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	110 J	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	7693	ND	ND	ND	ND	87	ND	10000
Total PAHs	ND	18647	ND	ND	ND	ND	276	ND	100000
Total Confident Conc. SVOAs (s)	ND	18647	ND	ND	ND	ND	276	ND	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01S7 11-13	E14B01S7 15-17	E14B01S7 21-23	E14B01SW10 10-12	E14B01SW10 16-18	E14B01SW10 22-24	E14B01SW10 26-28	E14B01WNW11 16-18	Comparison Value for RCRA Structures
Sample Depth (ft)	11-13	15-17	21-23	10-12	16-18	22-24	26-28	16-18	
Sampling Date	12/27/00	12/27/00	12/27/00	12/28/00	12/28/00	12/28/00	12/28/00	12/27/00	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor				1.0	1.0	1.0	1.0		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	U	U	U	U	U	7800000
Fluoranthene	U	U	U	U	U	U	U	U	3100000
Pyrene	U	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	U	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	U	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	ND	ND	ND	ND	ND	ND	ND	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01WNW11 20-22	E14B01WNW11 24-26	E14B01WNW11 30-32	E14B01SE11 10-12	E14B01SE11 18-20	E14B01SE11 22-24	E14B01SE11 26-28	E14B01W10 4-6	Comparison Value for RCRA Structures
Sample Depth (ft)	20-22	24-26	30-32	10-12	18-20	22-24	26-28	4-6	
Sampling Date	12/27/00	12/27/00	12/27/00	12/29/00	12/29/00	12/29/00	12/29/00	04/09/01	
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor				1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	U	U	U	U	63 J	7800000
Fluoranthene	U	U	U	U	U	U	U	U	3100000
Pyrene	U	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	U	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	100 J	68 J	81 J	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	ND	ND	ND	100	68	81	63	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B01W10 10-12	E14B01W10 16-18	E14B01W10 22-24	E14B01W10 28-30	E14 B02 7-8	E14 B02 10-12	E14B02A 10-12	E14B02A 16-18	Comparison Value
Sample Depth (ft)	10-12	16-18	22-24	28-30	7-8	10-12	10-12	16-18	for RCRA
Sampling Date	04/09/01	04/09/01	04/09/01	04/09/01	10/16/00	10/16/00	01/04/01	01/04/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	200 J	U	U	U	3100000
Hexachlorobutadiene	220 J	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	89 J	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	680 J	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	640 J	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	J	U	U	---
Anthracene	U	U	U	U	5200	U	U	U	23000000
Di-n-butylphthalate	U	130 J	120 J	180 J	1400	U	U	U	7800000
Fluoranthene	U	U	U	U	440 J	J	U	U	3100000
Pyrene	U	U	U	U	8500 D	U	U	U	2300000
Butylbenzylphthalate	U	49 J	U	U	4000	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	4300 D	U	U	U	900
Chrysene	U	U	U	U	1600	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	15000 D	U	U	56 J	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	5000	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	4400	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	3800	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	360 J	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	210 J	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	1300	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	J	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	19670	0	ND	ND	10000
Total PAHs	ND	ND	ND	ND	42109	0	ND	ND	100000
Total Confident Conc. SVOAs (s)	220	179	120	180	57549	240	ND	56	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02A 20-22	E14B02AENE12 4-6	E14B02AENE12 12-14	E14B02AENE12 18-20	E14B02AENE12 24-26	E14B02AENE 30-32	E14B02AESE12 10-12	E14B02AESE12 16-18	Comparison Value
Sample Depth (ft)	20-22	4-6	12-14	18-20	24-26	30-32	10-12	16-18	for RCRA
Sampling Date	01/04/01	04/06/01	04/06/01	04/06/01	04/06/01	04/06/01	04/09/01	04/09/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	46 J	U	U	68 J	130 J	67 J	98 J	7800000
Fluoranthene	45 J	U	U	U	U	U	U	U	3100000
Pyrene	51 J	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	U	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	120 J	U	49 J	120 J	U	U	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	96	ND	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	216	46	49	120	68	130	67	98	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02AESE12 20-22	E14B02AESE12 22-24	E14B02AESE12 28-30	E14B02N5 5-7	E14B02N5 11-13	E14B02N5 17-19	E14B02N5 21-23	E14B02N5A 7-9	Comparison Value
Sample Depth (ft)	20-22	22-24	28-30	5-7	11-13	17-19	21-23	7-9	for RCRA
Sampling Date	04/09/01	04/09/01	04/09/01	01/02/01	01/02/01	01/02/01	01/02/01	4/11/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	39 J	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	180 J	U	U	U	U	---
Anthracene	U	U	U	37 J	U	U	U	U	23000000
Di-n-butylphthalate	50 J	53 J	110 J	99 J	U	U	U	U	7800000
Fluoranthene	U	U	U	280 J	U	U	U	U	3100000
Pyrene	U	U	U	180 J	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	160 J	U	U	U	U	900
Chrysene	U	U	U	180 J	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	48 J	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	170 J	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	94 J	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	110 J	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	37 J	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	45 J	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	751	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	1473	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	50	53	110	1611	ND	48	ND	ND	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02N5A 9-11	E14B02S7 5-7	E14B02S7 11-13	E14B02S7 15-17	E14B02S7 21-23	E14B02SE11 10-12	E14B02SE11 16-18	E14B02SE11 20-22	Comparison Value
Sample Depth (ft)	9-11	5-7	11-13	15-17	21-23	10-12	16-18	20-22	for RCRA
Sampling Date	4/11/01	01/02/01	01/02/01	01/02/01	01/02/01	12/29/00	12/29/00	12/29/00	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	36 J	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	U	U	U	U	U	7800000
Fluoranthene	U	U	U	U	U	U	U	U	3100000
Pyrene	U	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	U	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	72 J	39 J	36 J	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	ND	ND	ND	ND	108	39	36	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B02SE11 26-28	E14 B03 8-9	E14 B03 10-12	E14B03A 10-12	E14B03A 14-16	E14B03A 20-22	E14B03ESE5 6-8	E14B03ESE5 14-16	Comparison Value
Sample Depth (ft)	26-28	8-9	10-12	10-12	14-16	20-22	6-8	14-16	for RCRA
Sampling Date	12/29/00	10/16/00	10/16/00	01/04/01	01/04/01	01/04/01	04/05/01	04/05/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	---
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	58000
4-Nitrophenol	U	U	U	U	U	U	U	U	160000
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	---
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	3000
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	600
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	7000000
Hexachloroethane	U	U	U	U	U	U	U	U	90
Nitrobenzene	U	U	U	U	U	U	U	U	46000
Isophorone	U	U	U	U	U	U	U	U	39000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	670000
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	---
Naphthalene	U	290 J	U	U	U	U	U	U	780000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	3100000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	8000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	550000
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	---
Acenaphthene	U	750	U	U	U	U	U	U	900
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	4700000
Diethylphthalate	U	U	U	U	U	U	U	U	900
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	63000000
Fluorene	U	1200	U	U	U	U	U	U	---
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	3100000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	130000
Hexachlorobenzene	U	U	U	U	U	U	U	U	---
Phenanthrene	U	6000 D	U	U	U	U	U	U	400
Anthracene	U	2100	U	U	U	U	U	U	---
Di-n-butylphthalate	U	230 J	65 J	U	U	U	63 J	88 J	23000000
Fluoranthene	U	6100 D	U	U	46 J	U	U	U	7800000
Pyrene	U	3300	U	U	U	U	U	U	3100000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	2300000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	16000000
Benzo(a)anthracene	U	3200 JD	U	U	U	U	U	U	1000
Chrysene	U	690	U	U	U	U	U	U	900
bis(2-Ethylhexyl)phthalate	57 J	2100	U	U	U	U	U	U	88000
Di-n-octyl phthalate	U	500 U	U	U	U	U	U	U	46000
Benzo(b)fluoranthene	U	3100	U	U	U	U	U	U	16000000
Benzo(k)fluoranthene	U	1700	U	U	U	U	U	U	900
Benzo(a)pyrene	U	2400	U	U	U	U	U	U	9000
Indeno(1,2,3-cd)pyrene	U	420 J	U	U	U	U	U	U	90
Dibenzo(a,h)anthracene	U	160 J	U	U	U	U	U	U	900
Benzo(g,h,i)perylene	U	820	U	U	U	U	U	U	90
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	---
2-Methylphenol	U	U	U	U	U	U	U	U	7800000
3+4-Methylphenols	U	U	U	U	U	U	U	U	3900000
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	---
2-Methylnaphthalene	U	J	U	U	U	U	U	U	310000
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	J	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	---
Total Carcinogenic PAHs	ND	11670	0	ND	ND	ND	ND	ND	310000000
Total PAHs	ND	32870	0	ND	46	ND	ND	ND	10000
Total Confident Conc. SVOAs (s)	57	35200	65	ND	46	ND	63	88	100000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03ESE5 20-22	E14B03ESE5 24-26	E14B03ESE5 30-32	E14B03NW5 5-7	E14B03NW5 9-11	E14B03NW5 15-17	E14B03NW5 21-23	E14B03NE5 5-7	Comparison Value
Sample Depth (ft)	20-22	24-26	30-32	5-7	9-11	15-17	21-23	5-7	for RCRA
Sampling Date	04/05/01	04/05/01	04/05/01	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	290 J	U	U	U	U	---
Anthracene	U	U	U	74 J	U	U	U	U	23000000
Di-n-butylphthalate	U	U	110 J	150 J	U	U	U	U	7800000
Fluoranthene	U	U	U	620	U	U	U	U	3100000
Pyrene	U	U	U	390	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	340 J	U	U	U	U	900
Chrysene	U	U	U	410	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	42 J	U	U	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	360 J	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	180 J	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	230 J	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	41 J	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	53 J	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	1561	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	2988	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	ND	110	3180	ND	ND	ND	ND	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Leaching Chambers								
Sample ID	E14B03NE5 11-13	E14B03NE5 15-17	E14B03NE5 21-23	E14B03S7 6-8	E14B03S7 14-16	E14B03S7 20-22	E14B03S7 26-28	E14B03S7 30-32	Comparison Value
Sample Depth (ft)	11-13	15-17	21-23	6-8	14-16	20-22	26-28	30-32	for RCRA
Sampling Date	01/02/01	01/02/01	01/02/01	04/06/01	04/06/01	04/06/01	04/06/01	04/06/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	110 J	120 J	72 J	U	80 J	7800000
Fluoranthene	U	U	U	U	U	U	U	U	3100000
Pyrene	U	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	J	60 J	U	U	56 J	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	U	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	36 J	U	U	42 J	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	ND	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	ND	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	ND	ND	148	216	72	ND	178	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

[ ]: Result exceeds Comparison Value

---: Not established

ND: Not detected

Table 3
SUMMARY OF ANALYTICAL RESULTS
NGC PLANT 1
FORMER ALODINE STORAGE CHAMBERS

SEMIVOLATILE ORGANIC COMPOUNDS

Sample Location	Former Alodine Storage Chambers								
Sample ID	E14B03SE10 10-12	E14B03SE10 16-18	E14B03SE10 20-22	E14B03SE10 26-28	E14B03E10 10-12	E14B03E10 16-18	E14B03E10 22-24	E14B03E10 26-28	Comparison Value
Sample Depth (ft)	10-12	16-18	20-22	26-28	10-12	16-18	22-24	26-28	for RCRA
Sampling Date	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	01/02/01	Structures
Matrix	S	S	S	S	S	S	S	S	
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Phenol	U	U	U	U	U	U	U	U	47000000
2-Chlorophenol	U	U	U	U	U	U	U	U	390000
2-Nitrophenol	U	U	U	U	U	U	U	U	---
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	1600000
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	230000
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	---
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	58000
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	160000
4-Nitrophenol	U	U	U	U	U	U	U	U	---
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	---
Pentachlorophenol	U	U	U	U	U	U	U	U	3000
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	U	600
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	---
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	27000
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	7000000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	90
Hexachloroethane	U	U	U	U	U	U	U	U	46000
Nitrobenzene	U	U	U	U	U	U	U	U	39000
Isophorone	U	U	U	U	U	U	U	U	670000
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	U	---
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	780000
Naphthalene	U	U	U	U	U	U	U	U	3100000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	8000
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	550000
2-Chloronaphthalene	U	U	U	U	U	U	U	U	---
Dimethylphthalate	U	U	U	U	U	U	U	U	---
Acenaphthylene	U	U	U	U	U	U	U	U	---
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Acenaphthene	U	U	U	U	U	U	U	U	4700000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	900
Diethylphthalate	U	U	U	U	U	U	U	U	63000000
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	---
Fluorene	U	U	U	U	U	U	U	U	3100000
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	130000
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	---
Hexachlorobenzene	U	U	U	U	U	U	U	U	400
Phenanthrene	U	U	U	U	U	U	U	U	---
Anthracene	U	U	U	U	U	U	U	U	23000000
Di-n-butylphthalate	U	U	U	U	U	U	U	U	7800000
Fluoranthene	U	U	U	U	U	U	U	U	3100000
Pyrene	U	U	U	U	U	U	U	U	2300000
Butylbenzylphthalate	U	U	U	U	U	U	U	U	16000000
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	1000
Benzo(a)anthracene	U	U	U	U	U	U	U	U	900
Chrysene	U	38 J	U	U	U	U	U	U	88000
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	U	U	U	46000
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	16000000
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	900
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	9000
Benzo(a)pyrene	U	U	U	U	U	U	U	U	90
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	900
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	90
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	---
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	7800000
2-Methylphenol	U	U	U	U	U	U	U	U	3900000
3+4-Methylphenols	U	U	U	U	U	U	U	U	---
Benzyl Alcohol	U	U	U	U	U	U	U	U	---
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U	U	U	---
4-Chloroaniline	U	U	U	U	U	U	U	U	310000
2-Methylnaphthalene	U	U	U	U	U	U	U	U	---
4-Nitroaniline	U	U	U	U	U	U	U	U	---
2-Nitroaniline	U	U	U	U	U	U	U	U	---
3-Nitroaniline	U	U	U	U	U	U	U	U	---
Dibenzofuran	U	U	U	U	U	U	U	U	---
Azobenzene	U	U	U	U	U	U	U	U	---
Benzoic acid	U	U	U	U	U	U	U	U	310000000
Total Carcinogenic PAHs	ND	38	ND	ND	ND	ND	ND	ND	10000
Total PAHs	ND	38	ND	ND	ND	ND	ND	ND	100000
Total Confident Conc. SVOAs (s)	ND	38	ND	ND	ND	ND	ND	ND	500000

Qualifiers

U: The compound was not detected at the indicated concentration.

J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

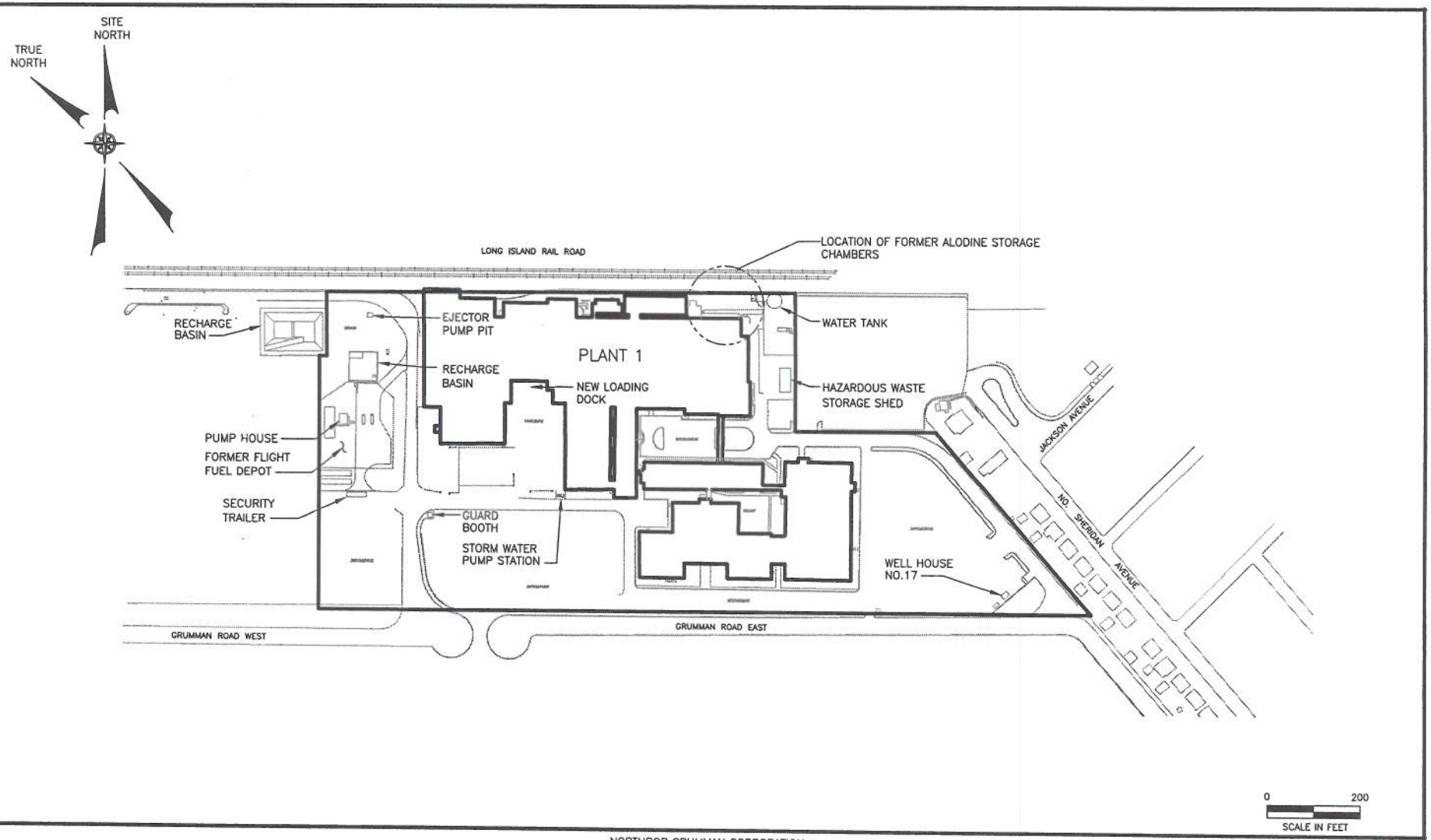
D: This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

Notes

: Result exceeds Comparison Value

---: Not established

ND: Not detected



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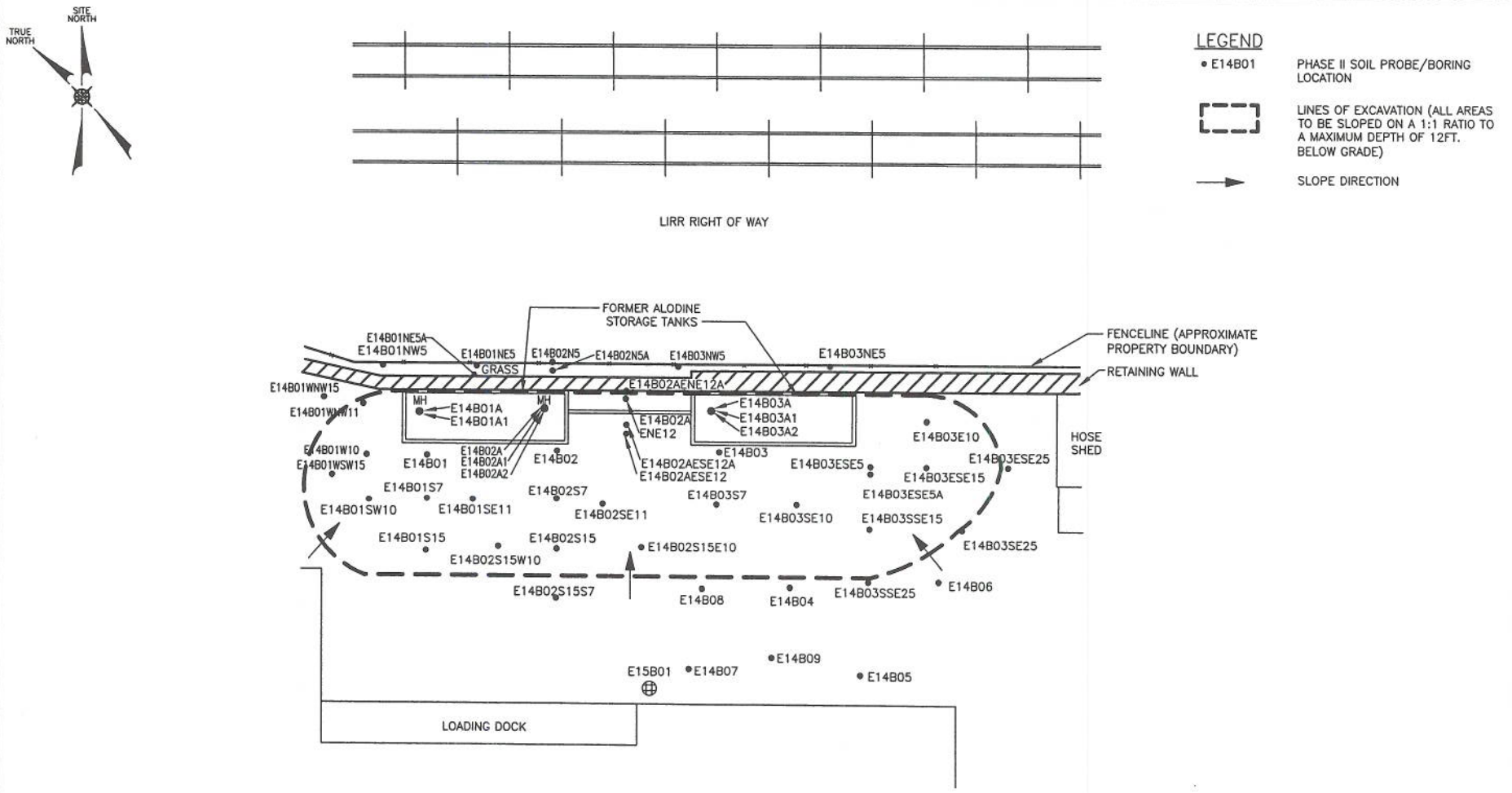
NORTHROP GRUMMAN CORPORATION
BETHPAGE NEW YORK
PLANT 1

AREA OF CONCERN LOCATION MAP FORMER
ALODINE STORAGE CHAMBERS

FIGURE 1

ATTACHMENT 2

PROPOSED LINES OF EXCAVATION



SOURCE: NGC QUADRANGLE MAP NO. 127
LIRR TRACK LOCATIONS BASED ON FIELD MEASUREMENTS BY OTHERS

0 15
SCALE IN FEET

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PROPOSED LINES OF EXCAVATION FORMER ALODINE STORAGE CHAMBERS

D&B JOB NO.
801/98-Z

DRAWING 3