

Table 1. Concentrations of Total and Dissolved Cadmium and Chromium Detected in Groundwater Samples, First and Second Quarter 2002, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT: (Units in ug/L)	NYSDEC SCGs (1)	WELL: SAMPLE ID: DATE:	10631 N-10631 03/27/02	10631 N-10631 06/14/02	GM-16SR GM-16SR 03/27/02	GM-16SR GM 16SR 07/08/02	GM-17SR GM-17SR 06/18/02	GM-17SR GM-17SR 05/03/02	GM-18S GM-18S 03/27/02
Cadmium, Total	5		2.3 B	3 B	<10	<1.3	<1.3	<10	<10
Cadmium, Dissolved	5		2.1 B	1.9 B	<10	<1.3	<1.3	<10	<10
Chromium, Total	50		35.4	50.5	2.4 B	<1.5	1.8 B	3.9 B	2 B
Chromium, Dissolved	50		19.6	21.5	<10	<1.5	<1.5	<10	<10

(1) Standards, Criteria, and Guidance Values.

ug/L Micrograms per liter

B Detected between the IDL and CRDL.

IDL Instrument detection limit

CRDL Contract-required detection limit

NYSDEC New York State Department of Environmental Conservation

EQ Equipment

Value exceeds associated SCG value.

Bold Constituent detected above CRDL.

(1) Standards, Criteria, and Guidance values based on documents referenced in the

Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller 2000); most stringent value listed.

TABLE 7. (used)
NORTHROP GRUM, CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DATE DATE OF COLLECTION	Aromatic Features/Unknown Buried Structures (North)				B-22JST 0 - 2" 2' - 4" 0 - 2'	B-22JNT 0 - 2" 2' - 4" 0 - 2'	B-22JST 0 - 2" 2' - 4" 0 - 2'	B-22JNT 0 - 2" 2' - 4" 0 - 2'	NYSDEC TAGM Criteria (ug/kg)	STARS Human Health Guidance Values (ug/kg)
	B-22HE14 0 - 2" 2' - 4" 0 - 2'	B-22J1 0 - 2" 2' - 4" 0 - 2'	B-22J2 0 - 2" 2' - 4" 0 - 2'	B-22J3 0 - 2" 2' - 4" 0 - 2'						
VOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)	STARS Human Health Guidance Values (ug/kg)
1,1-Dichloroethane									200	200
1,1,1-Trichloroethane									800	800
Toluene									1,500	1,500
TOTAL VOCs									10,000	10,000
SVOCs (ug/kg)									NYSDEC TAGM Criteria (ug/kg)	STARS Human Health Guidance Values (ug/kg)
Phenol									30 or MDL	30 or MDL
2-Methylphenol									100 or MDL	100 or MDL
4-Methylphenol									800	800
1,4-Dichlorobenzene									8,500	8,500
Di-n-butylphthalate									6,100	6,100
Benzophenanthrene									50,000	50,000
Benzofluoranthene									224 or MDL	224 or MDL
Benzofluoranthene									400	400
Benzofluoranthene									1,100	1,100
Benzofluoranthene									1,100	1,100
Indeno(1,2,3-cd)pyrene									61 or MDL	61 or MDL
Dibenz(a,h)anthracene									3,200	3,200
TOTAL CapPAHs									14 or MDL	14 or MDL
STARS SVOC TOTAL (ug/kg)									10,000	10,000
Benzofluoranthene									220	220
Benzofluoranthene									220	220
Benzofluoranthene									91	91
Benzofluoranthene									14	14
Naphthalene									10	10
STARS SVOC TCLP (ug/L)									---	---
ECBs (ug/kg)									---	---
Arochlor-1232									---	---
Arochlor-1242									---	---
Arochlor-1246									---	---
Arochlor-1254									---	---
Arochlor-1260									---	---
TOTAL PCBs									---	---
Metals (mg/kg)									---	---
Arsenic									---	---
Cadmium									---	---
Chromium									---	---
Copper									---	---
Lead									---	---
Mercury									---	---
Nickel									---	---
Selenium									---	---
Zinc									---	---
TPHs (mg/kg)									---	---
Fuels (mg/kg)									---	---
#2 Fuel Oil									---	---
#4 Fuel Oil									---	---
Lubricating Oil									---	---

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRODL, but greater than the IDL.

Notes:
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 1: Proposed criterion for total CapPAHs in TAGM 4046 Appendix A.
 2: Criteria is for total PCBs in subsurface soils.
 3: New York State Background.
 4: Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 5: Background for metropolitan or suburban areas.
 6: Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. (cont.)
NORTHROP GRUMM CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION DATE OF COLLECTION	Anonymous Features/Unknown Buried Structures (North)										NYSDEC TAGM Criteria (ug/kg) 100 300 1,500 10,000
	B-22J17 Z-4 08/09/98	B-22J14 Z-4 08/20/98	B-22J14 Z-4 08/20/98	B-22J14 Z-4 08/20/98	B-22J17 Z-4 08/09/98	B-22J17 Z-4 08/09/98	B-22J14 Z-4 08/20/98	B-22J17 Z-4 08/09/98	B-22J17 Z-4 08/09/98	B-22J17 Z-4 08/09/98	
VOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,1-Dichloroethane	340 J	U	U	U	U	U	U	U	U	U	U
Phenol	U	U	U	U	U	U	U	U	U	U	U
2-Methylphenol	U	U	U	U	U	U	U	U	U	U	U
4-Methylphenol	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	79 J	U	U	U	U	U	U	U	U	U	U
Di-n-butylphthalate	900	U	U	U	U	U	U	U	U	U	U
Butylbenzylphthalate	3,600	U	U	U	U	U	U	U	U	U	U
Benzobicyclohexane	380	U	U	U	U	U	U	U	U	U	U
Chrysene	480	U	U	U	U	U	U	U	U	U	U
Benzofluoranthene	280 J	U	U	U	U	U	U	U	U	U	U
Benzofluoranthene	350	U	U	U	U	U	U	U	U	U	U
Benzofluoranthene	250	U	U	U	U	U	U	U	U	U	U
Benzofluoranthene	380	U	U	U	U	U	U	U	U	U	U
Dibenz(1,2,3-c)pyrene	180	U	U	U	U	U	U	U	U	U	U
Dibenz(1,2,3-c)pyrene	80	U	U	U	U	U	U	U	U	U	U
Dibenz(a,h)anthracene	80	U	U	U	U	U	U	U	U	U	U
TOTAL CbPAs	0	2,301	1,182	U	2,960	U	2,960	U	2,960	U	2,960
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenz(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STARS SVOC TCLP (ug/L)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECBs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor-1232	U	U	U	U	U	U	U	U	U	U	U
Aroclor-1242	U	U	U	U	U	U	U	U	U	U	U
Aroclor-1248	760	U	U	U	U	U	U	U	U	U	U
Aroclor-1254	630	U	U	U	U	U	U	U	U	U	U
Aroclor-1260	83	U	U	U	U	U	U	U	U	U	U
TOTAL PCBs	1,483	2,860	2,860	U	24,000	U	24,000	U	24,000	U	24,000
Metals (mg/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aspic	1 B	7.6	9.0	9.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mercury	0.03	0.03 B	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPHs (mg/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuels (mg/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
#2 Fuel Oil	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
#4 Fuel Oil	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lubricating Oil	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Qualities:
 U Compound/constituent analyzed for but not detected.
 J Compound/constituent found at a concentration below the detection limit.
 B Compound/constituent concentration is less than the CRDL, but greater than the IDL.

Notes:
 --- Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * Proposed criterion for total CbPAs in TAGM 4046 Appendix A.
 * Criteria is for total PCBs in subsurface soils.
 * New York State Background.
 * Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 * Background for metropolitan or suburban areas.
 * Value exceeds NYSDEC TAGM Criteria. STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. (used)
 NORTHROP GRUMMAN CORPORATION
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Aromatics Features/ Unknown Buried Structures (N/A)	Sanitary/Leaching Pools (North & South)		Point of Generation/ Hazardous Waste Accumulation Area	Dry Wells Beneath Lobby/Loading Area, Facilities Maintenance Room and Carpentry Shop	NYSDEC TAGM Criteria (ug/kg)
		B-22K 10' - 17' 5/14/97	B-22L 12' - 14' 5/14/97			
VOCS (ug/kg)						
1,1-Dichloroethane		U	U	U	U	100
1,1,1-Trichloroethane		U	U	U	U	100
Toluene		U	U	U	U	1,500
TOTAL VOCs		1,200	1,200	6.3	5.6	10,000
SVOCs (ug/kg)						
Phenol		2,400 J	1,500 J	U	U	30 or MDL
2-Methylphenol		U	U	U	U	100 or MDL
1,4-Dichlorobenzene		33,000	31,000	U	U	900
1,4-Dioxane		40,000	17,000	U	U	8,500
Benzophenone		U	U	U	U	8,100
Benzothiazole		110	470 J	U	U	50,000
Benzofuran		610	3,500	U	U	224 or MDL
Chrysene		820	3,300	U	U	400
Benzodifluoranthene		U	U	U	U	1,100
Benzofluoranthene		400	1,000	U	U	1,100
Indeno(1,2,3-cd)pyrene		U	U	U	U	61 or MDL
Dibenz(a,h)anthracene		2,440	1,500	U	U	3,200
Benz(b)fluoranthene		U	U	U	U	14 or MDL
TOTAL CAPAHs		17,130	8,430	5.38	5.32	10,000*
STARS SVOC TOTAL (ug/kg)		N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benz(a)anthracene		N/A	N/A	N/A	N/A	220
Benz(b)fluoranthene		N/A	N/A	N/A	N/A	220
Benz(k)fluoranthene		N/A	N/A	N/A	N/A	61
Benz(a)pyrene		N/A	N/A	N/A	N/A	14
Dibenz(a,h)anthracene		N/A	N/A	N/A	N/A	10
Fluorene		N/A	N/A	N/A	N/A	10
STARS SVOC TCLP (ug/L)						STARS TCLP Guidance Values (ug/L)
ECBs (ug/kg)						NYSDEC TAGM Criteria (ug/kg)
Aroclor 1242		U	U	U	U	---
Aroclor 1248		U	U	U	U	---
Aroclor 1254		U	U	U	U	---
Aroclor 1260		U	U	U	U	---
TOTAL PCBs		5,000	6,400	11,000	11,000	10,000*
Metals (ug/kg)						Eastern USA Background Levels (ug/kg)
Arsenic		3.6	2.5	6.6	9.4	3-12
Cadmium		0.28 B	U	U	2.2	0.1-1 (107)
Chromium		8.9	8.1	11.9	37.0	1.5-40 (56)
Copper		29.2	17.2	10.9	42.8	200-500**
Lead		7.1	5.9	10.8	11.5	0.001-0.2
Mercury		0.88	0.45	0.15	0.19	0.05-29
Nickel		6.7	3.2 B	2.0 B	2.1 B	0.1-3.9
Selenium		U	U	U	6.8	9-50
Zinc		68.8	33.1	11.1	27.1	---
TEHCs (ug/kg)		837	557	183	232	---
Fuels (ug/kg)						
#1 Fuel Oil		U	U	U	U	---
#2 Fuel Oil		U	U	U	U	---
Lubricating Oil		Present	Present	Present	Present	---

Qualifiers:
 U: Compound/constituent analyzed for but not detected
 J: Compound/constituent found at a concentration below the detection limit
 B: Compound/constituent concentration is less than the CRDL, but greater than the IDL
 Present: Compound/constituent not analyzed for

Notes:
 1: Not established
 MDL: Method detection limit
 N/A: Compound/constituent not analyzed for
 2: Proposed criterion for total CAPAHs in TAGM 4046 Appendix A
 3: Check for PCBs in subsurface soils
 4: New York State Block
 5: Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A
 **: Background for metropolitan or suburban area
 *: Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels

TABLE 1 (continued)
 NORTHROP GRUPO CORPORATION
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 INTERIOR SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Dry Wells Beneath Lobby>Loading Area, Facilities Maintenance Room and Carpentry		Center County Jail Area		Drainage Chamber North of Lobby>Loading		Dry Well in Stairwell Between Metropolitan Plant 12A B-317A B-317B B-317C B-317D B-317E	NYSDEC TAGM CRITERIA, STARS HUMAN HEALTH GUIDANCE VALUES, STARS TCLP GUIDANCE VALUES AND EASTERN USA BACKGROUND LEVELS
	B-269 5'-7' 4/29/97	B-269 7'-9' 4/29/97	B-269 4'-6' 4/29/97	B-269 4'-6' 4/29/97	B-300A 1'-3' 08/19/98	B-300A 8'-10' 08/19/98		
VOCs (ug/kg)	U	U	U	U	U	U	U	NYSDEC TAGM Criteria (ug/kg)
1,1-Dichloroethane	U	U	U	U	U	U	U	30 or MDL
1,1,1-Trichloroethane	U	U	U	U	U	U	U	900
Toluene	U	U	U	U	U	U	U	8,500
TOTAL VOCs	4.9	6.1	3.6	3.6	1.2 J	2	0.6 J	10,000
SVOCs (ug/kg)	U	U	U	U	U	U	U	100 or MDL
Phenol	U	U	U	U	U	U	U	900
2-methylphenol	U	U	U	U	U	U	U	8,500
4-methylphenol	U	U	U	U	U	U	U	8,500
1,4-Dichlorobenzene	U	U	U	U	U	U	U	50,000
2-naphthylamine	U	U	U	U	U	U	U	224 or MDL
Benzofluoranthene	U	U	U	U	U	U	U	1,100
Benzofluoranthene	U	U	U	U	U	U	U	1,100
Benzofluoranthene	U	U	U	U	U	U	U	61 or MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	3,200
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	14 or MDL
TOTAL CAPAHs	136	10	4,035	4,035	569	569	484	10,000*
STARS SVOC TCLP (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	220
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	220
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10
STARS SVOC TCLP (ug/L)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L)
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---
PCBs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)
Aroclor 1242	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---
Aroclor 1248	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---
Aroclor 1254	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---
Aroclor 1260	N/A	N/A	N/A	N/A	N/A	N/A	N/A	---
TOTAL PCBs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,000*
Metals (mg/kg)	3.6	1.0 B	6.6	6.6	10.6	9.2	21	Eastern USA Background Levels (mg/kg)
Arsenic	1.1	0.42 B	8.2	8.2	14.8	3.0	1.0 B	3-12
Cadmium	43.6	15.8 B	37.6	37.6	78.7	23.4	9.9	0.1-1.0†
Chromium	34.7	22.6	167	167	171	53.7	18.2	1.5-4.0 (50*)
Copper	75.7	21.9	208	208	151	23.2	15.4	200-500**
Lead	0.05 B	U	0.39	0.39	2.7	0.15	0.17	0.001-0.2
Mercury	6.2 B	4.5 B	23.8	23.8	27.0	10.9	3.3 B	0.5-25
Nickel	160	54.2	1,340	1,340	741	280	169	0.1-3.9
Selenium	226	82.6	824	824	4,290	N/A	N/A	8-50
Zinc	U	U	U	U	U	U	U	---
IPHCs (mg/kg)	Present	Present	Present	Present	Present	Present	Present	---
Fuels (mg/kg)	U	U	U	U	U	U	U	---
#2 Fuel Oil	U	U	U	U	U	U	U	---
#4 Fuel Oil	U	U	U	U	U	U	U	---
Lubricating Oil	Present	Present	Present	Present	Present	Present	Present	---

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL, but greater than the DL.
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 Proposed criterion for total CAPAHs in TAGM 4046 Appendix A.
 * New York State Background level for PCBs in subsurface soils.
 ** Proposed revised criterion for cadmium and chromium in TAGM 4046 Appendix A.
 † Background for metropolitan or suburban areas.
 * Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. NORTHROP GRUMMAN CORPORATION SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12 SOIL SAMPLING RESULTS SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Dry Well in Stairwell Between Plant 12A 5-1A 5-1A 5-05-07	Former Leaching Pool Beneath Mesaground B-37A B-37A B-37A 4/20/87	Leaching Pools West of Boiler House 12-14 4/23/87	Adjacent to Former Recharge Basin 24'-26' 5-05-87	Within Existing Recharge Basin 7-9' 5-07/87	Former Drainage Basin		NYSDEC TAGM Criteria (ug/kg)
						B-37A 4/23/87	B-37AA 0-7' 09/07/88	
VOCs (ug/kg)								NYSDEC TAGM Criteria (ug/kg)
1,1-Dichloroethane	U	U	U	U	U	U	U	200
1,1,1-Trichloroethane	U	U	U	U	U	U	U	900
Toluene	U	U	U	U	U	U	U	1,500
TOTAL VOCs	19.7	21.3	14.9	2.9	3.6	7.8	38.1	10,000
SVOCs (ug/kg)								NYSDEC TAGM Criteria (ug/kg)
Phenol	U	U	U	U	U	U	U	30 or MDL
2-Methylphenol	U	U	U	U	U	U	U	100 or MDL
4-Methylphenol	U	U	U	U	U	U	U	900
1,4-Dichlorobenzene	U	U	U	U	U	U	U	8,500
9-Fluorenylnthalate	U	U	U	U	U	U	U	8,100
Benzofluoranthene	U	U	U	U	U	U	U	50,000
Benzofluoranthene	U	U	U	U	U	U	U	224 or MDL
Benzofluoranthene	U	U	U	U	U	U	U	400
Benzofluoranthene	U	U	U	U	U	U	U	1,100
Benzofluoranthene	U	U	U	U	U	U	U	61 or MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	3,200
Dibenzofluoranthene	U	U	U	U	U	U	U	14 or MDL
TOTAL CapAHs	0	1,219	532	850	0	1,177	1,777	10,000
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene	U	U	U	U	U	U	U	220
Benzofluoranthene	U	U	U	U	U	U	U	220
Benzofluoranthene	U	U	U	U	U	U	U	61
Benzofluoranthene	U	U	U	U	U	U	U	14
STARS SVOC TCLP (ug/L)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L)
Naphthalene	U	U	U	U	U	U	U	10
PCBs (ug/kg)								NYSDEC TAGM Criteria (ug/kg)
Arochl-124	U	U	U	U	U	U	U	---
Arochl-125	U	U	U	U	U	U	U	---
Arochl-126	U	U	U	U	U	U	U	---
Arochl-1246	U	U	U	U	U	U	U	---
Arochl-1254	U	U	U	U	U	U	U	---
Arochl-1260	U	U	U	U	U	U	U	---
TOTAL PCBs	510	510	77	11,000	77	600	150,000	10,000
Metals (mg/kg)								Eastern USA Background Levels (mg/kg)
Arsenic	2.7	1.9	2.1	3.7	1.4	3.1	4.7	3-12
Cadmium	0.18 B	0.18 B	2.0	0.26 B	0.41 B	0.41 B	1.2	0.1-10
Chromium	17.2	5.8	12.9	22.0	4.7	6.2	182	1.5-403 (507)
Copper	4.2 B	3.8 B	38.5	35.3	28.5	5.6 B	712	1-50
Lead	9.3	4.3	11.5	22.2	2.5	65.3	163	200-500**
Mercury	U	U	3.9	31.7	U	U	0.27	0.001-0.2
Nickel	3.5 B	15.2	78.4	5.9 B	2.6 B	3.6 B	8.8 B	0.5-25
Selenium	U	14	38.4	27.7	20.4	24.9	1.1 B	0.1-3.9
Zinc	78.7	777	2,460	59.3	U	138	144	9-50
TPHCs (mg/kg)	U	777	2,460	59.3	U	U	U	---
Fuels (mg/kg)								---
#2 Fuel Oil	U	U	U	U	U	U	U	---
#4 Fuel Oil	U	U	U	U	U	U	U	---
Lubricating Oil	U	U	U	U	U	U	U	---

Qualifiers:
 U Compound/constituent analyzed for but not detected.
 B Compound/constituent found at a concentration below the detection limit.
 C Compound/constituent concentration is less than the CROL, but greater than the DL.

Notes:
 --- Not established.
 MDL Method detection limit.
 N/A Compound/constituent not analyzed for.
 * Proposed criterion for total CapAHs in TAGM 4046 Appendix A
 ** New York State background
 *** Background level for cadmium and chromium in TAGM 4046 Appendix A
 **** Value exceeds NYSDC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels

TABLE 7 (revised)
NORTHROP GRUIN CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Former Drainage Basin				NYSDEC TAGM Criteria (ug/kg) HEALTH GUIDANCE VALUES FOR EASTERN USA BACKGROUND LEVELS
	B-37AA 2'-4' 08/07/98	B-37ANWB 0'-2' 1/06/99	B-37ANWB 0'-2' 1/06/99	B-37ASB 2'-4' 08/07/98	
VOCs (ug/kg)					
1,1-Dichloroethane	U	N/A	N/A	U	200
1,1,1-Trichloroethane	1.1 J			3.0 J	800
Toluene	1.0 J			0.8 J	1,500
TOTAL VOCs	30.3			30.7	10,000
SVOCs (ug/kg)					
Hexachlorobenzene	U			U	30 or MDL
4-Methylphenol	U			U	100
1,2-Dichlorobenzene	U			U	8,500
1,4-Dichlorobenzene	U			U	5,100
Dibenz(a,h)anthracene	U			U	50,000
Benzofluoranthene	U			U	284 or MDL
Chrysene	56.0 J			68	1,100
Benzofluoranthene	64 J			83	1,100
Benzofluoranthene	78.0 J			210	81 or MDL
Benzofluoranthene	300			61	3,200
Indeno(1,2,3-cd)pyrene	520			110	14 or MDL
Dibenz(a,h)anthracene	350			69	10,000
TOTAL CapAHs	1.3			23 J	
	3,203			705	
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene					220
Benzofluoranthene					220
Benzofluoranthene					220
Benzofluoranthene					61
Benzofluoranthene					14
STARS SVOC TOLE (ug/L)	N/A	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L)
Naphthalene					10
PCBs (ug/kg)					NYSDEC TAGM Criteria (ug/kg)
Arochl-1232	U			U	---
Arochl-1242	U			U	---
Arochl-1248	U			U	---
Arochl-1254	88,000 U	24,000 D	12,000 D	170,000 U	10,000*
Arochl-1260	U			U	
TOTAL PCBs	88,000 U	24,000 U	12,000 U	170,000 U	
Metals (mg/kg)					Eastern USA Background Levels (mg/kg)
Arsenic	3.5	N/A	N/A	1.9	3-12
Cadmium	0.83 B			0.45 B	0.1-1 (10')
Chromium	72.8			50.3	1.5-40 (50')
Copper	327			84.1	1-50
Lead	76.7			24.9	200-500**
Mercury	0.10			0.07	0.001-0.2
Nickel	4.3 B			3.6 B	0.5-25
Selenium	8.0			5.0	0.1-3.9
Zinc	54.8			5.0	9-50
IPHCs (mg/kg)					
Fuels (mg/kg)					
#2 Fuel Oil	N/A	N/A	N/A	N/A	
#4 Fuel Oil	N/A	N/A	N/A	N/A	
Lubricating Oil					

Notes:
 U: Compound/constituent analyzed for but not detected
 J: Compound/constituent found at a concentration below the detection limit
 B: Compound/constituent concentration is less than the CRDL, but greater than the IDL
 D: Result obtained from a diluted analysis
 ---: Not established
 MDL: Method detection limit
 N/A: Compound/constituent not analyzed for
 * : Criteria for total PCBs in TAGM 4046 Appendix A
 * : Criteria for total PCBs in subsurface soils
 * : New York State Background
 * : Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A
 * : Background for metropolitan or suburban areas
 * : Value exceeds NYSDC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels

TABLE 7:
NORTHROP GRUMMAN CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Former Drainage Basin						NYSDEC TAGM Criteria (ug/kg) HEALTH GUIDANCE VALUES, STARS TCLP GUIDANCE VALUES AND EASTERN USA BACKGROUND LEVELS
	B-37AS16 4'-6" 08/21/98	B-37AS16 6'-8" 08/21/98	B-37AS16A 8'-10" 1/05/99	B-37AS16 8'-10" 1/05/99	B-37AS16 4'-6" 1/05/99	B-37AS16 0'-2" 1/05/99	
VOCs (ug/kg) 1,1-Dichloroethane 1,1,1-Trichloroethane Benzene TOTAL VOCs	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg) 200 800 1,500 10,000
SVOCs (ug/kg) Phenol 2-Methylphenol 4-Methylphenol 1,4-Dichlorobenzene Di-n-butylphthalate Butylbenzylphthalate Benzofuranthracene Chrysene Benzofluoranthene Benzofluoranthene Benzofluoranthene Indeno(1,2,3-cd)pyrene Dibenzofluoranthene TOTAL CAPHs	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg) 30 or MDL 800 8,500 6,100 6,000 224 or MDL 400 1,100 1,100 61 or MDL 3,200 14 or MDL 10,000
STARS SVOC TOTAL (ug/kg) Benzofluoranthene Benzofluoranthene Benzofluoranthene Benzofluoranthene Dibenzofluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg) 220 220 220 61 14
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L) 10
PCBs (ug/kg) Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 TOTAL PCBs	U 59,000 U 59,000	U 120,000 U 120,000	U 410,000 U 410,000	U 130,000 U 130,000	U 20,000 U 20,000	U 100,000 U 100,000	NYSDEC TAGM Criteria (ug/kg) --- --- --- --- --- 10,000
Metals (mg/kg) Arsenic Cadmium Chromium Copper Lead Mercury Nickel Selenium Zinc	N/A N/A 33.1 N/A N/A N/A N/A N/A N/A	N/A N/A 90.2 N/A N/A N/A N/A N/A N/A	N/A N/A 268 N/A N/A N/A N/A N/A N/A	N/A N/A 87.8 N/A N/A N/A N/A N/A N/A	N/A N/A 67.6 N/A N/A N/A N/A N/A N/A	N/A N/A 67.6 N/A N/A N/A N/A N/A N/A	Eastern USA Background Levels (mg/kg) 3-12 0.1-1(10) 1.5-40 (50) 1-50 200-500 0.001-0.2 0.5-25 0.1-3.9 9-50
Fuels (ug/kg) #2 Fuel Oil #4 Fuel Oil Lubricating Oil	N/A	N/A	N/A	N/A	N/A	N/A	---

Notes:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL but greater than the IDL.
 D: Result obtained from a diluted analysis.
 P: Concentration between primary and confirmatory columns had a percent difference greater than 25%. Therefore, the lower value was reported.
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for total CAPHs in TAGM (046 Appendix A
 † : Criteria is for total PCBs in subsurface soils
 ‡ : New York State Background
 § : Proposed revised criteria for cadmium and chromium in TAGM 4048 Appendix A.
 ¶ : Background for metropolitan or suburban areas.
 ** : Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7:
NORTHROP CRUISE CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Former Deleage Basin						NYSDEC TAGM CRITERIA, STARS HUMAN HEALTH GUIDANCE VALUES, STARS TCLP GUIDANCE VALUES AND EASTERN USA BACKGROUND LEVELS
	B-37AE8 0-2' 08/07/98	B-37AE8 2-4' 08/07/98	B-37AV8 0-2' 08/07/98	B-37AV8 2-4' 08/07/98	B-37AV8 6-8' 08/07/98	B-37AW24 4-5' 10/6/99	
VOCs (ug/kg)	U	U	U	U	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)
1,1-Dichloroethane	3.0 J	0.7 J	0.9 J	0.9 J	U	N/A	200
1,1,1-Trichloroethane	2.9 J	0.5 J	0.6 J	0.6 J	U	N/A	800
Toluene	95.1	20.1	23.7	21.2	U	N/A	1,500
TOTAL VOCs							10,000
SVOCs (ug/kg)	U	U	U	U	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)
Phenol	U	U	U	U	U	N/A	30 or MDL
2-Methylphenol	U	U	U	U	U	N/A	100 or MDL
4-Methylphenol	U	U	U	U	U	N/A	800
1,4-Dichlorobenzene	U	U	U	U	U	N/A	8,500
1,2-Dichlorobenzene	U	U	U	U	U	N/A	50,000
Benzofluoranthene	61 J	41	180 J	240 J	U	N/A	224 or MDL
Benzofluoranthene	170	82	90	82	U	N/A	400
Benzofluoranthene	170	82	90	82	U	N/A	400
Benzofluoranthene	260	170	170	170	U	N/A	1,100
Benzofluoranthene	95	47	47	47	U	N/A	1,100
Benzofluoranthene	140	78	78	78	U	N/A	61 or MDL
Indeno(1,2,3-cd)pyrene	110	27 J	54	13 J	U	N/A	14,000 MDL
Dibenzofluoranthene	28 J	7.9 J	13 J	4.9	U	N/A	14,000 MDL
TOTAL CAPAHs	823	223	480	1,629	U	N/A	10,000*
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene	U	U	U	U	U	N/A	220
Benzofluoranthene	U	U	U	U	U	N/A	220
Benzofluoranthene	U	U	U	U	U	N/A	220
Benzofluoranthene	U	U	U	U	U	N/A	61
Benzofluoranthene	U	U	U	U	U	N/A	14
Dibenzofluoranthene	U	U	U	U	U	N/A	10
Naphthalene	U	U	U	U	U	N/A	10
PCBs (ug/kg)	U	U	U	U	U	U	NYSDEC TAGM Criteria (ug/kg)
Arochlor 1232	U	U	U	U	U	U	---
Arochlor 1248	U	U	U	U	U	U	---
Arochlor 1254	38,000	1,100	1,600	120,000	U	U	---
Arochlor 1260	U	340	400	U	U	U	---
TOTAL PCBs	38,000	1,440	2,000	120,000	U	U	---
Metals (mg/kg)	U	U	U	U	U	U	Eastern USA Background Levels (mg/kg)
Arsenic	3.3	1.4	4.8	1.6	N/A	N/A	3-12
Cadmium	0.27 B	0.1 B	0.95 B	0.44 B	N/A	N/A	0.1-1.0†
Chromium	45.5	33.5	27	45.8	U	U	1.5-40 (80*)
Copper	163	73.2	23.1	20.7	U	U	1-50
Lead	47	21.5	32.9	49.8	U	U	200-500**
Mercury	0.06	0.04	0.03 B	0.07	U	U	0.001-0.2
Nickel	5 B	2.1 B	5.6 B	2.9 B	U	U	0.5-25
Selenium	U	U	32.3	41.2	U	U	0.1-3.9
Zinc	46.5	13.9	32.3	41.2	U	U	6-50
TEPHCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	---
Exits (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	---
#2 Fuel Oil	U	U	U	U	U	U	---
#4 Fuel Oil	U	U	U	U	U	U	---
Lubricating Oil	U	U	U	U	U	U	---

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL, but greater than the DL.
 D: Result obtained from a diluted analysis.

Notes:
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for CAPAHs in TAGM 4046 Appendix A.
 † : New York State Background Levels in subsurface soils.
 ** : Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 * : Background for metropolitan or suburban areas.
 * : Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7- (cont)
 NORTHROP GRUM, CORPORATION
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Former Drains/Trench East of Plant 12A		Dry Walls East of Plant 12A		Former Sump No. 2 No. 2 No. 2	Former Pit East of Sump No. 2 B-20A 2'-4' 5/12/87	NYSDEC TAGM Criteria (ug/kg) HEALTH GUIDANCE VALUES FOR EASTERN USA BACKGROUND LEVELS
	B-368 1'-3' 4/23/87	B-368N7 1'-3' 08/12/88	B-39A 6'-8' 5/01/87	B-36B 3'-5' 5/01/87			
VOCs (ug/kg)							
1,1-Dichloroethane	U	N/A	U	U	0.6 J	U	200
1,1,1-Trichloroethane	U	N/A	U	U	0.8 J	U	800
Toluene	U	N/A	U	U	33.1	8.9	1,500
TOTAL VOCs	15.6		7.4	18.2			10,000
SVOCs (ug/kg)							
1,2-Dichlorobenzene	U	N/A	U	U		U	30 or MDL
2-Methylphenol	U	N/A	U	U		U	900
4-Methylphenol	U	N/A	U	U		U	6,500
1,4-Dichlorobenzene	U	N/A	U	U		U	8,100
Di-n-butylphthalate	U	N/A	U	U		U	50,000
Benzofuranthracene	1,300 J		4,000	180 J		U	224 or MDL
Chrysene	288		900	160		U	400
Benzofluoranthene	220		310	170		U	1,100
Benzofluoranthene	180 J		1,000	310		U	61,100 MDL
Benzofluoranthene	650		430	110		U	1,200
Indeno(1,2,3-cd)pyrene	450		170	130		U	14,000 MDL
Dibenzofluoranthracene	660		130	36		U	10,000*
TOTAL CapAHs			4,300	1,086		0	
STARS SVOC TOTAL (ug/kg)	N/A		N/A	N/A		N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene	130						220
Benzofluoranthene	130						220
Benzofluoranthene	55						61
Dibenzofluoranthene	96						14
STARS SVOC TCLP (ug/L)	N/A		N/A	N/A		N/A	STARS TCLP Guidance Values (ug/L)
Naphthalene							10
PCBs (ug/kg)							
Aroclor 1232	U	N/A	N/A	N/A		U	---
Aroclor 1242	U	N/A	N/A	N/A		U	---
Aroclor 1248	570					U	---
Aroclor 1254	770					U	---
Aroclor 1260	1,340					U	10,000*
TOTAL PCBs						0	
Metals (mg/kg)							
Arsenic	10.2		3.6	4.7		3.4	0.1-1 (10*)
Cadmium	0.35 B		2.1	1.8		215	15-40 (50*)
Chromium	11.2		46.2	38.9		70	1-50
Copper	22.8		50.6	34.8		75	200-500**
Lead	65.2		97.4	54.7		0.21	0.001-0.2
Mercury	0.08 B		0.65	31.8		46	0.5-25
Nickel	10.3		23.0	3.8		307	0.1-3.9
Selenium	217		447	369		25.1	9-50
Zinc	915		521	173		483	---
IBHCs (mg/kg)							
Fuels (mg/kg)							
#2 Fuel Oil	U	N/A	U	U		N/A	---
#4 Fuel Oil	U	N/A	U	U		U	---
Lubricating Oil	Present		Present	Present		U	---

Notes:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL, but greater than the IDL.
 Present: Compound/constituent concentration is greater than the IDL.
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for total CapAHs in TAGM 4046 Appendix A.
 ** : Criteria is for total PCBs in subsurface soils.
 * : New York State Background.
 ** : Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 Background for metropolitan or suburban areas.
 * : Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. NORTHROP GRUMMAN CORPORATION SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12 SOIL SAMPLING RESULTS SUMMARY OF EXCEEDANCES

SAMPLE LOCATION IDENTIFICATION	Former Pit East of Sump No. 2		Former Trenches to Resin Waste Pit (Sump No. 1)		NYSDEC TAGM Criteria (ug/kg)	STARS TAGM Criteria (ug/kg)	Eastern USA Background Levels (mg/kg)
	B-43A 4/23/87	B-43B 4/23/87	B-43C 8-10 4/23/87	B-43D 7-4 08/05/88			
VOCs (ug/kg)	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U
Toluene	U	U	U	U	U	U	U
TOTAL VOCs	1.3	8.9	12	0.9	1.2	0.7	23.8
		17.1	24.2	0.9	3.1	0.7	23.8
				114.8	33.1	23.8	
				N/A	N/A	N/A	
SVOCs (ug/kg)	U	U	U	U	U	U	U
Phenol	U	U	U	U	U	U	U
2-Methylphenol	U	U	U	U	U	U	U
4-Methylphenol	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U
Di-n-butylphthalate	U	U	U	U	U	U	U
Butybenzylphthalate	U	U	U	U	U	U	U
Benzofuran	U	U	U	U	U	U	U
Chrysene	U	U	U	U	U	U	U
Benzofluoranthene	U	U	U	U	U	U	U
Benzofluoranthene	U	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U
Dibenzofluoranthene	U	U	U	U	U	U	U
TOTAL CapPAHs	0	0	0	0	0	0	0
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzofluoranthene	U	U	U	U	U	U	U
Benzofluoranthene	U	U	U	U	U	U	U
Benzofluoranthene	U	U	U	U	U	U	U
Benzofluoranthene	U	U	U	U	U	U	U
Dibenzofluoranthene	U	U	U	U	U	U	U
STARS SVOC ICLE (ug/L)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene	U	U	U	U	U	U	U
ECBs (ug/kg)	U	U	U	U	U	U	U
Aroclor-1232	U	U	U	U	U	U	U
Aroclor-1242	U	U	U	U	U	U	U
Aroclor-1248	U	U	U	U	U	U	U
Aroclor-1254	U	U	U	U	U	U	U
Aroclor-1260	U	U	U	U	U	U	U
TOTAL PCBs	0	0	0	0	0	0	0
Metals (mg/kg)	U	U	U	U	U	U	U
Arsenic	1.5	3.0	U	U	U	U	U
Cadmium	5.7	0.85	B	U	U	U	U
Chromium	4.3	12.9	U	U	U	U	U
Copper	2.7	6.2	U	U	U	U	U
Lead	0.72	10.5	U	U	U	U	U
Mercury	2.8	16.4	U	U	U	U	U
Nickel	8.4	0.13	U	U	U	U	U
Selenium	U	5.4	B	U	U	U	U
Zinc	U	33.1	U	U	U	U	U
TPHCs (mg/kg)	U	431	U	U	U	U	U
Fuels (mg/kg)	U	U	U	U	U	U	U
#2 Fuel Oil	U	U	U	U	U	U	U
#4 Fuel Oil	U	U	U	U	U	U	U
Lubricating Oil	U	U	U	U	U	U	U

Notes:
 U: Compound/constituent analyzed for but not detected.
 B: Compound/constituent found at a concentration below the detection limit.
 D: Compound/constituent concentration is less than the CRODL but greater than the IDL.
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for total CapPAHs in T&GM 4046 Appendix A.
 * : Criteria is for total PCBs in subsurface soils.
 * : New York State Background.
 * : Background concentration or subsurface areas.
 * : Proposed revised criteria for cadmium and chromium in T&GM 4046 Appendix A.
 * : Values are NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. (continued)
 NORTHROP GRUMMAN CORPORATION
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Former Dry Well in Vicinity of Facilities		Dry Well Northeast of Plant 12		Basement Area		Megapound Test Laboratory	NYSDEC TAGM Criteria (ug/kg) HEALTH GUIDANCE VALUES, STARS HUMAN GUIDANCE VALUES AND EASTERN USA BACKGROUND LEVELS
	B-15A 15'-18'	B-16 4'-6'	B-15A 8'-10'	B-16 8'-10'	B-15A 15'-18'	B-16 20'-22'		
1,1-Dichloroethane	U	U	U	U	U	U	U	200
1,1,1-Trichloroethane	U	U	U	U	U	U	U	100
Toluene	U	U	U	U	U	U	U	10,000
TOTAL VOCs	8.1	3	14		11	30		
SVOCS (ug/kg)								
Phenol	45 J		U	U	U	U	U	30 or MDL
2-Methylphenol	18 J		U	U	U	U	U	100 or MDL
4-Methylphenol	220 J		U	U	U	U	U	600
1,4-Dichlorobenzene	1,500		750		U	U	U	8,500
n-Butylphthalate	47		2,300		U	U	U	8,100
Benzobenzofuran	42		480		U	U	U	50,000
Benzofluoranthene	43		300		U	U	U	224 or MDL
Benzofluoranthene	U		380		U	U	U	430
Benzofluoranthene	U		370		U	U	U	1,100
Benzofluoranthene	U		280		U	U	U	61 or MDL
Indeno(1,2,3-cd)pyrene	U		150		U	U	U	3,200
Dibenz(a,h)anthracene	U		48		U	U	U	14 or MDL
TOTAL CAPAHs	170	1,478	2,864		0	0		10,000 ¹
STARS SVOC TOTAL (ug/kg)	N/A	N/A	N/A		N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg)
Benzofluoranthene				1,500				200
Benzofluoranthene				2,600				220
Benzofluoranthene				930				220
Benzofluoranthene				1,760				61
Benzofluoranthene				110				14
STARS SVOC TCLP (ug/L)	N/A	N/A	N/A	U	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L)
Naphthalene								10
PCBs (ug/kg)								NYSDEC TAGM Criteria (ug/kg)
Aroclor-1232	U	U	U					
Aroclor-1242	U	U	U					
Aroclor-1248	U	U	U					
Aroclor-1254	580	16,000	7,700					
Aroclor-1260	U	U	1,900					
TOTAL PCBs	580	16,000	9,600					10,000 ²
Metals (mg/kg)								Eastern USA Background Levels (mg/kg)
Arsenic	1.9	3.7	5.0					3-12
Cadmium	2.3	0.29 B	0.33 B		0.41 B	2.4	1.1 B	0.1-1 (10 ³)
Chromium	19.1	4.5	3.6		3.3	11.2	1.4 B	1.5-40 (50 ³)
Copper	24.4	8.3	8.0		2.8	23.6	2.3 B	200-500 ^{**}
Lead	10.4	10.7	47.4		2.3	2.8	1.2	0.001-0.2
Mercury	0.32	0.13	0.08 B		1.9	0.35	1.1	0.5-25
Nickel	2.9 B	3.4 B	3.3 B		2.1 B	2.9 B	1.1 B	0.1-3.9
Selenium	95.5	66.2	31.4		55.4	67.2	9.5	9-50
Zinc								
TPHCs (mg/kg)	99.4	325	727		N/A	N/A	U	
Fuels (mg/kg)								
#2 Fuel Oil	U	U	U		N/A	N/A	U	
#4 Fuel Oil	U	U	U		N/A	N/A	U	
Lubricating Oil	Present	Present	Present					

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 B: Compound/constituent found at a concentration below the detection limit.
 J: Compound/constituent concentration is less than the CRDL, but greater than the IDL.

Notes:
 --- : Not established
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for total CapAHs in TAGM 4046 Appendix A.
 ** : Criteria for total PCBs in subsurface soils.
 * : New York State Background.
 * : Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 * : Background for metals in TAGM 4046 Appendix A.
 * : Values exceed NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7. NORTHROP CRUISE CORPORATION PHASE II SITE ASSESSMENT - PLANT 12
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Megapound Test Laboratory		Petroleum Chemical Storage Areas						NYSDEC TAGM Criteria (ug/kg)	STARS TAGM Criteria (ug/kg)
	MTL-B 0-2'	MTL-B 4-30.95'	FCS-AA 0-2'	FCS-ANB 0-2'	FCS-ANB 2-4'	FCS-ANB 4-6'	FCS-ASB 0-2'	FCS-ASB 2-7'		
VOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1,1-Dichloroethane									200	
1,1,1-Trichloroethane									800	
Toluene									1,500	
TOTAL VOCs									10,000	
SVOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)	
Phenol									30 or MDL	
2-Methylphenol									100 or MDL	
4-Methylphenol									900	
1,4-Dioxinbenzene									8,500	
Benzo(a)anthracene									8,100	
Benzo(a)fluoranthene									50,000	
Benzo(a)pyrene									224 or MDL	
Benzo(b)fluoranthene									400	
Benzo(k)fluoranthene									1,100	
Indeno(1,2,3-cd)pyrene									61 or MDL	
Dibenz(a,h)anthracene									12,600	
TOTAL CcPAHs									14,000	
STARS SVOC TOTAL (ug/kg)									10,000*	
Benzo(a)anthracene	N/A	N/A	12,000	26,000	6,000	3,500	5,000	6,500	220	
Benzo(a)fluoranthene			12,000	27,000	6,200	3,500	5,000	10,000	220	
Benzo(a)pyrene			5,300	19,000	2,400	1,400	1,900	4,400	220	
Benzo(b)fluoranthene			10,000	22,000	5,200	2,700	4,200	6,500	61	
Dibenz(a,h)anthracene			1,800	3,400	510	350	680	1,400	14	
STARS SVOC TCLP (ug/L)			0.02 J	5.6 J	U	4.3 J	U	U	10	
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg)	
PCBs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,000*	
Aroclor-1232									3,000	
Aroclor-1242									1,500	
Aroclor-1248									100	
Aroclor-1254									100	
Aroclor-1260									100	
TOTAL PCBs									10,000*	
Metals (mg/kg)									Eastern USA Background Levels (mg/kg)	
Arsenic	1.7 B	1.2 B							0.1 - 1 (10')	
Cadmium	U	U							1.5 - 40 (60')	
Chromium	2.6	2.2							1 - 50	
Copper	8.6	5.4							200 - 500**	
Lead	1.8	1.9							0.001 - 0.2	
Mercury	0.21	0.23							0.5 - 25	
Nickel	1.3 B	1.2 B							0.1 - 3.9	
Selenium	U	U							9 - 50	
Zinc	9.1	11.1							...	
TPHCs (mg/kg)	7.700	10,000	N/A	N/A	N/A	N/A	N/A	N/A	...	
Fuels (mg/kg)									...	
#2 Fuel Oil	U	U							...	
#4 Fuel Oil	N/A	N/A							...	
Lubricating Oil	12,000 +	15,000 +							...	

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL, but greater than the DL.

Notes:
 ...: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 *: Proposed criterion for total CcPAHs in TAGM 4046 Appendix A.
 **: Value is for PCBs in subsurface soils.
 +: Value reported 10/1/00.
 *: Value reported 10/1/00.
 **: Background for meliponin or suburban areas.
 *: Background for meliponin or suburban areas.
 **: Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7-
NORTHROP GRUMMA CORPORATION
CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Petroleum/Chemical Storage Areas								NYSDEC TAGM Criteria (ug/kg)
	PCS-AE8 08/12/98	PCS-NV8 08/12/98	PCS-AW8 08/12/98	PCS-GA 0-2 08/11/98	PCS-GN8 0-2 08/11/98	PCS-GS8 2-4 08/11/98	PCS-GS8 4-B 08/11/98	PCS-GS8 4-B 08/11/98	
VOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,1-Dichloroethane									
1,1,1-Trichloroethane									
Toluene									
TOTAL VOCs									
SVOCs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol									
2-Methylphenol									
4-Methylphenol									
1,4-Dichlorobenzene									
Di-n-butylphthalate									
Butylobenzophthalate									
Benzofluoranthene									
Chrysene									
Benzofluoranthene									
Benzofluoranthene									
Benzofluoranthene									
Diethylhexylphthalate									
Diphenylpicrylhydrazine									
TOTAL CAPAHs									
STARS SVOC TOTAL (ug/kg)									
Benzofluoranthene	1,300	18,000	2,700	5,400	2,000	110	110	3,700	220
Benzofluoranthene	1,300	20,000	3,100	5,000	2,000	140	140	3,700	220
Benzofluoranthene	520	8,100	1,200	2,100	780	52	52	1,700	220
Benzofluoranthene	1,100	17,000	2,500	4,300	1,700	83	83	1,700	220
Dibenzofluoranthene	180	2,500	380	830	240	13	13	260	14
STARS SVOC TCLP (ug/kg)									
Naphthalene	U	U	U	U	U	U	U	U	10
PCBs (ug/kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor-1232									
Aroclor-1242									
Aroclor-1248									
Aroclor-1254									
Aroclor-1260									
TOTAL PCBs									
Metals (mg/kg)									
Asenic									
Cadmium									
Chromium									
Copper									
Lead									
Mercury									
Nickel									
Selenium									
Zinc									
IEPHCS (mg/kg)									
Fuels (mg/kg)									
#2 Fuel Oil									
#4 Fuel Oil									
Lubricating Oil									

Notes:
 --- : Not established
 MDL: Method detection limit
 N/A: Compound/constituent not analyzed for
 U: Compound/constituent found at a concentration below the detection limit
 B: Compound/constituent concentration is less than the CRDL, but greater than the IDL
 J: Proposed criterion for total CAPAHs in TAGM 4046 Appendix A.
 K: Criteria is for total PCBs in subsurface soils.
 L: New York State Background.
 M: Proposed revised criteria for cadmium and chromium in TAGM 4046 Appendix A.
 N: Background for metropolitan or suburban areas
 O: Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels

TABLE 7: ^(usd)
 NORTHROP CORP. CORPORATION
 SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
 SOIL SAMPLING RESULTS
 SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Petroleum/Chemical Storage Areas		Primary Pressure Lab		Pump Room		NYSDEC TAGM CRITERIA, STARS HUMAN HEALTH GUIDANCE VALUES, STARS TCLP GUIDANCE VALUES AND EASTERN USA BACKGROUND LEVELS
	PCS GEB 0-2' 08/11/98	PCS GEB 4'-6' 08/11/98	PRL A 0-2' 4/30/98	PRL B 2'-4' 4/30/98	PR B 0-2' 5/01/98	PR B 2'-4' 5/01/98	
VOCs (ug/kg) 1,1-Dichloroethane 1,1,1-Trichloroethane Toluene TOTAL VOCs	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg) 200 800 1,500 10,000
SVOCs (ug/kg) Phenol 2-Methylphenol 4-Methylphenol 1,4-Dichlorobenzene D-n-butylmaleate Butylbenzylmaleate Benzofuranthracene Chrysene Benzofluoranthene Benzofluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene TOTAL CapAHs	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg) 30 or MDL 100 or MDL 900 8,500 8,100 50,000 224 or MDL 400 1,100 1,100 61 or MDL 3,200 14 or MDL 10,000
STARS SVOC TOTAL (ug/kg) Benzofluoranthene Benzofluoranthene Benzofluoranthene Benzofluoranthene Benzofluoranthene Dibenz(a,h)anthracene	676 680 280 576 81	U U U U U	N/A	N/A	N/A	N/A	STARS Human Health Guidance Values (ug/kg) 220 220 220 61 14
STARS SVOC TCLP (ug/L) Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	STARS TCLP Guidance Values (ug/L) 10
ECBs (ug/kg) Aroclor-1212 Aroclor-1212 Aroclor-1216 Aroclor-1234 Aroclor-1260 TOTAL PCBs	N/A	N/A	N/A	N/A	N/A	N/A	NYSDEC TAGM Criteria (ug/kg) --- --- --- --- --- 10,000
Metals (mg/kg) Arsenic Cadmium Chromium Copper Lead Mercury Nickel Selenium Zinc	N/A	N/A	N/A	N/A	N/A	N/A	Eastern USA Background Levels (mg/kg) 3-17 0.1-1.0 1.5-40 (50) 1-50 200-500 0.001-0.2 0.5-25 0.1-3.9 8-50
IPHCs (mg/kg) Euels (mg/kg) #2 Fuel Oil #4 Fuel Oil Lubricating Oil	N/A	N/A	N/A	N/A	N/A	N/A	--- --- --- --- ---

Qualifiers:
 U: Compound/constituent analyzed for but not detected
 D: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CROL, but greater than the DL.

Notes:
 ---: Not established
 MDL: Method detection limit
 N/A: Compound/constituent not analyzed for.
 P: Proposed criterion for total CapAHs in TAGM 4046 Appendix A
 1: Criteria for total PCBs in subsurface soils
 2: Criteria for total PCBs in subsurface soils
 3: Proposed revised background
 4: Proposed revised background
 5: Background for metropolitan or suburban areas
 **: Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels

TABLE 7
NORTHROP GRUIN CORPORATION
SUPPLEMENTAL PHASE II SITE ASSESSMENT AND DECONTAMINATION PHASE II SITE ASSESSMENT - PLANT 12
SOIL SAMPLING RESULTS
SUMMARY OF EXCEEDANCES

SAMPLE LOCATION SAMPLE IDENTIFICATION SAMPLE DEPTH DATE OF COLLECTION	Resin Waste PH (Slump #1)					NYSDEC TAGM Criteria (ug/kg) HEALTH GUIDANCE VALUES, STARS TCLP BACKGROUND LEVELS
	RWP-1 12'-14' 08/13/98	RWP-2 14'-16' 08/13/98	RWP-3 6'-10' 08/13/98	RWP-4 15'-17' 08/13/98	RWP-5 6'-8' 08/13/98	
VOCs (ug/kg)						
1,1-Dichloroethane	U	U	U	U	U	200
1,1,1-Trichloroethane	1.100 U	1.6 J	0.8 J	58	3.9 J	800
Toluene	U	0.8 J	0.8 J	0.9 J	170	1,500
TOTAL VOCs	1,100	34.8	145.2	146.8	252.3	10,000
SVOCs (ug/kg)						
Phenol	U	U	U	U	U	30 or MDL
2-Methylphenol	U	U	U	U	U	100 or MDL
4-Methylphenol	U	U	U	U	U	900
1,4-Dichlorobenzene	U	U	U	U	U	8,500
D-n-butylphthalate	U	U	U	U	U	50,000
Benzofuran	U	U	U	U	U	224,400
Chrysene	U	U	U	U	U	1,100
Benzofluoranthene	U	U	U	U	U	1,100
Benzofluoranthene	U	U	U	U	U	61 or MDL
Benzofluoranthene	U	U	U	U	U	14 or MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	10,000*
Dibenzofluoranthene	U	U	U	U	U	220
TOTAL CapAHs	0	0	0	0	0	220
STARS SVOC IDTL (ug/kg)						
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	220
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	220
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	61
Benzofluoranthene	N/A	N/A	N/A	N/A	N/A	14
STARS SVOC TCLP (ug/kg)						
Naphthalene	N/A	N/A	N/A	N/A	N/A	10
PCBs (ug/kg)						
Aroclor-1232	U	U	U	U	U	---
Aroclor-1242	U	U	U	U	U	---
Aroclor-1248	U	U	U	U	U	---
Aroclor-1254	U	U	U	U	U	---
Aroclor-1260	U	U	U	U	U	---
TOTAL PCBs	77	77	560	560	810	10,000*
Metals (mg/kg)						
Asenic	1.2	0.72 B	1.8	0.75 B	1.9	3-12*
Cadmium	17.6	2.7	11.4	6.4	7.7	0.1-1 (10*)
Chromium	5.6	2.8 B	8.2	7.5	7.7	1.5-40* (50*)
Copper	3.8	2.8 B	8.2	6.4	5.7	1-50
Lead	0.02 B	2.8 B	8.4	5.8	6.7	200-500**
Mercury	1.6 B	1.3 B	0.03 B	0.10	0.03 B	0.001-0.2
Nickel	1.6 B	2.5 B	3.8 B	2.1 B	2.4 B	0.5-25
Selenium	6.4	9.6	12.9	16.0	29.1	0.1-3.9
Zinc	N/A	N/A	N/A	N/A	N/A	9-50
TPHs (mg/kg)						
#2 Fuel Oil	N/A	N/A	N/A	N/A	N/A	---
#4 Fuel Oil	N/A	N/A	N/A	N/A	N/A	---
Lubricating Oil	N/A	N/A	N/A	N/A	N/A	---

Qualifiers:
 U: Compound/constituent analyzed for but not detected.
 J: Compound/constituent found at a concentration below the detection limit.
 B: Compound/constituent concentration is less than the CRDL, but greater than the DL.

Notes:
 ---: Not established.
 MDL: Method detection limit.
 N/A: Compound/constituent not analyzed for.
 * : Proposed criterion for total CapAHs in TAGM 4048 Appendix A.
 * : Criteria for total PCBs in subsurface soils.
 * : New York State Background.
 * : Value reported as 10W40.
 * : Proposed revised criteria for cadmium and chromium in TAGM 4048 Appendix A.
 * : Background for metropolitan or suburban areas.
 * : Value exceeds NYSDEC TAGM Criteria, STARS Human Health Guidance Values, STARS TCLP Guidance Values or Eastern USA Background Levels.

TABLE 7-2
NORTHROP GRUMMAN CORPORATION
DELINEATION PHASE II SITE ASSESSMENT – PLANT 12
SUMMARY OF PHASE II
AREAS OF CONCERN

Areas of Concern (AOCs)	No Further Action	Considered for Remediation
Plant 12 Interior		
Primary Pressure Lab (PPL)	■	
Fluid Calibration (Fluid Flow) Lab (FFL)	■	
Liquid Flow Lab	■	
Machine Shop (3)	■	
Tank Room (4)	■	
Comp Saw Room (5)	■	
Polishing Room (6)	■	
Trench in EMT Lab No. 1 (7)		■
Trench in Staffed Machine Shop (8)		■
Engineering Development Lab (9)	■	
Trench in Repair Lab No. 2 (10)	■	
Autoclave Room (Pump Room)-(PR)(11)	■	
Resin Transfer Molding Lab (Autoclave Lay-up Area) (12)	■	
External Pump House (13)	■	
Plant 12A Interior		
Basement/Sub-basement Areas (BA)(MSA)(23)	■	
Floor Drains in Facilities Maintenance Room and Maintenance Equipment Area (24)	■	
Point of Generation/Hazardous Waste Accumulation Area (25)	See note 1	See note 1
Dry Wells Beneath Lobby/Loading Area, Facilities Maintenance Room and Carpentry Shop (26)	■	
Megapound Test Lab Interior		
Former Leaching Pool Beneath Megapound (32)	■	
Sanitary Leaching Pool (South) Beneath Megapound (22D)	■	
Machine Pit Sump (MTL-B)		■

TABLE 7-2 (continued)
NORTHROP GRUMMAN CORPORATION
DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SUMMARY OF PHASE II
AREAS OF CONCERN

Areas of Concern (AOCs)	No Further Action	Considered for Remediation
Boiler House Interior		
Sump Pit/Trenches (33)	■	
Plant 12 Exterior		
Northern Leaching Chambers (14)	■	
Chemical Storage Area/Concrete Platform (17)		■
Former Fuel USTs East of Plant 12 (18)		■
Area Outside of Machine Shop (19)		■
Tank Room Leaching Pool (20A)	■	
Sanitary Leaching Pools (West)-(21)	■	
Sanitary Leaching Pools (North and South) (22A)	■	
Sanitary Leaching Pools (North and South) (22B)		■
Sanitary Leaching Pools (North and South) (22C)		■
Sanitary Leaching Pools (North and South) (22E)		■
Sanitary Leaching Pools (North and South) (22F)		■
Sanitary Leaching Pools (North and South) (22L)	■	
Anomalous Features/Unknown Buried Structures (North) (22G)		■
Anomalous Features/Unknown Buried Structures (North) (22H)		■
Anomalous Features/Unknown Buried Structures (North) (22J)		■
Phenol Leaching Chamber	■	
Former Sump #2 (41)	■	
Former Pit East of Sump #2 (42)	■	
Resin Waste Pit (Sump #1) (RWP)	■	
Former Trenches to Resin Waste Pit (Sump #1) (43)		■
Former Dry Well in Vicinity of Trenches (44)	■	
Dry Well Northeast of Plant 12 (45)		■
Plant 12A Exterior		
Leaching Chamber North of Carpentry Shop (16)	■	

TABLE 7-2 (continued)
NORTHROP GRUMMAN CORPORATION
DELINEATION PHASE II SITE ASSESSMENT - PLANT 12
SUMMARY OF PHASE II
AREAS OF CONCERN

Areas of Concern (AOCs)	No Further Action	Considered for Remediation
Center Courtyard Area (28)		■
Dry Well South of Plant 12A (29)	■	
Drainage Chamber North of Lobby/Loading Area (30)		■
Dry Well in Stairwell Between Megapound and Plant 12A (31)		■
Former Drainage Trench East of Plant 12A (38)	■	
Dry Wells East of Plant 12A (39)		■
Boiler House Exterior		
Leaching Pools West of Boiler House (34)	■	
Surrounding Area (MTL-A)	■	
Exterior Areas		
Southern Parking Lot (35)	■	
Existing and Former Recharge Basins (36)	■	
Former Drainage Basin (37)		■
Petroleum/Chemical Storage Areas (PCS-A)		■
Petroleum/Chemical Storage Areas (PCS-G)		■

Note 1. The floor drain in the vicinity of the Point of Generation/Hazardous Waste Accumulation Area should be closed in accordance with the requirements of the Underground Injection Control (UIC) program.