

An Assessment of

United Technologies Corp., Pratt & Whitney

Palm Beach County

NPDES #FL0026042

Sampled 26 & 28 August 2002

August 2003

Biology Section

Bureau of Laboratories

Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Florida Department of Environmental Protection

Inspection Summary

Discharger:	United Technologies Corp., Pratt & Whitney
County:	Palm Beach
NPDES Number:	FL0026042
Permit Expiration:	9/15/2002

Toxics Sampling Inspection **(XSI)**

Date Sampled: 26 August 2002

Results: Iron was detected in the sample collected at the NPDES sampling point (1,560 ug/L) at a level that is a violation of Class III Water Quality Criteria (1,000 ug/L) (62-302.550(39). Lead and nickel were detected in the outfall sample at levels less than the practical quantitation limit and greater than or equal to the minimum detection limit. Aluminum, iron, and lead were detected in the Control Site samples at levels that complied with Class III Water Quality Criteria. No organic constituents were detected in the sample collected at the NPDES sampling point.

Compliance Biomonitoring Inspection **(CBI)**

Date Sampled: 26 August 2002

Results: The sample collected at the outfall was slightly toxic to the fish, *Cyprinella leedsi,* resulting in 20% mortality during the 96-hour acute screening bioassays. The sample was not toxic to the water flea, *Ceriodaphnia dubia,* during the 96-hour acute screening bioassays.

Impact Bioassessment Inspection **(IBI)**

Date Sampled: 28 August 2002

Results: Dissolved oxygen values were lower at Test Sites 1 and 2 (0.3 mg/L at each) compared to Control Sites 1 and 2, respectively (4.2 and 4.4 mg/L, respectively). Dissolved oxygen at the study sites and the NPDES sampling point were below the 5 mg/L Class III Water Quality Criteria (62-302 (31) FAC). Conductivity was elevated in the sample collected at the NPDES sampling point and at the Test Sites compared to the Control Sites but complied with Class III Water Quality Criteria. Ammonia and un-ionized ammonia were nearly an order of magnitude higher at the Test Sites and in the sample collected at the NPDES sampling point compared to the Control Sites. Similarly, total phosphorus in the sample collected at the outfall and Test Site 2 samples was an order of magnitude higher than other stations. All other nutrient levels were similar among the study sites and in the sample collected at the outfall. Sediment analysis for metals at the NPDES sampling point and at the study sites were within expected ranges and below threshold effect levels set in the Sediment Quality Guidelines.

Biological assessments are prepared by FDEP staff to provide information for review of NPDES permit renewal applications. Biological assessments, in conjunction with other information concerning the subject facility and its receiving-water body, are used to determine appropriate permit conditions.

Introduction

The United Technologies Corp., Pratt & Whitney plant is located in Palm Beach County, Florida (Appendix 1). This facility is involved in the design, development and testing of aerospace propulsion systems. The majority of the industrial wastewaters consist of non-contact cooling water and stormwater runoff that may come in contact with fuel and lubricant residue remaining on test stand pads. In general, wastewater that has come in contact with petroleum contaminants is treated through oil/water separators, manual skimming for sheen removal, or by both methods before being released. Process wastewaters from the manufacturing area that generally contain a higher level of industrial contamination are disposed of through an underground injection well. Wastewater and stormwater that are not exposed to petroleum contamination are discharged directly through Outfall D003 located at the southeast corner of the property. Outfall D003 discharges to an unnamed canal that drains for several miles to the South Florida Water Management District's (SFWMD) C-18 canal and from there, another 20 miles to Loxahatchee River in Jupiter, Florida (see Facility Summary in Appendix 2). Actual flow varies due to the large drainage area and rainfall (Appendix 2). The facility was not discharging during this survey. The average flow for August 2001 was 11.7 MGD.

State Surface Water Quality Criteria and facility permit limits are listed in Table 1. According to the facility's monthly operating reports, the plant has had continuing exceedances for oil and grease, total suspended solids, and lead (Appendix 2).

Methods

The purpose of this investigation was to determine the extent of sediment contamination in the receiving waters and its effect on the biota. Chemical and biological comparisons were made between two control sites (Control Site 1 was approximately 300 meters upstream of Control Site 2 in the Main Canal in the Corbett Wildlife Management Area) and two test sites (located in the Pratt & Whitney discharge canal approximately 20 and 120 meters downstream of Outfall D003 for Test Site 1 and 2, respectively) (see Map in Appendix 1). Detailed methods are given in Appendix 3. The facility discharges only during periods of heavy rainfall. These conditions were not met during the survey period; therefore effects of the effluent on the biological communities in the discharge canal could not be determined.

Benthic macroinvertebrates were collected from multiple substrates (*e.g.* snags, leaf packs, vegetation) using discrete dipnet sweeps (qualitative samples, method modified from Plafkin *et al.* 1989) but were not processed. Conditions present at the time of sample collection did not conform to the criteria for which Stream Condition Index sampling was designed. Specifically, the lack of flow and the highly channelized nature of the discharge canal do not represent the range of conditions the Stream Condition Index was calibrated against. Collections were also made with Hester-Dendy multiplate samplers incubated for 28 days (quantitative samples, method modified from APHA 1992, method 10500.5). However, these samples were not processed for the same reasons as the qualitative macroinvertebrate samples.

All field and laboratory biological methods followed Biology Section Standard Operating Procedures (SOPs, see http://www.floridadep.org/labs/qa/2002sops.htm for details) and met DEP quality assurance/quality control standards (see http://www.floridadep.org/labs/qa/index.htm). Sediment content of organic constituents and metals was measured and results compared to Florida Sediment Quality Guidelines (MacDonald 1994).

The following personnel were involved in this investigation: Terry Davis (DEP SE District), Joy Jackson and Tom Frick (DEP Central Laboratory in Tallahassee). The report was reviewed by District representatives and the Point Source Studies Review Committee (Wayne Magley, Chuck Ziegmont and Michael Tanski).

Results and Discussion

- Chemical results are reported in Table 1. The results of all chemical analyses, the minimum detection limits and the practical quantitation levels are given in Appendix 11. Iron was detected in the sample collected at the NPDES sampling point (1,560 ug/L) at a level that is a violation of Class III Water Quality Criteria (1,000 ug/L) (62-302.550(39) F.A.C.). Lead and nickel were detected in the outfall sample at levels less than the practical quantitation limit and greater than or equal to the minimum detection limit. Aluminum, iron, and lead were detected in the Control Site samples at levels that complied with Class III Water Quality Criteria(?).
- No organic pollutants were detected in the outfall sample.
- Sediment content of organic constituents and metals was measured and results compared to Florida Sediment Quality Guidelines (MacDonald 1994). Metals in the sediment samples from the NPDES sampling point and at each study site were within expected ranges and below Threshold Effects Levels (TEL) set in the Sediment Quality Guidelines (Appendices 9 and 10).
- A total of nine organic compounds were detected at the Test Sites (Table 2). PCBs were detected in sediment samples from Test Site 1 (Rep 2, 46 ug/Kg) and Test Site 2 (Rep 3, 89 ug/Kg) at levels above theThreshold Effects Level and below the Probable Effects Level (PEL). TEL values are the sediment content of a contaminant that has been associated with toxic effects in 15% of toxicity test data used to generate the Florida Sediment Quality Guidelines. PCBs were also detected in all other replicates from Test Site 1 and 2 at levels above the minimum detection limit but below? the practical quantitation limit.
- Fluoranthene, phenanthrene, and pyrene were detected Test Site 1-Replicate 3 (500 ug/Kg, 430 ug/Kg, 430 ug/Kg, respectively) at levels above the TEL and below the PEL. Benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene were detected at Test Sites 1 and 2 at levels above the minimum detection limit but below the practical quantitation limit.
- Dissolved oxygen levels were below the Class III Water Quality Criteria at all locations FAC 62-302.530 (31) and appear to be due to a lack of adequate water circulation and mixing often found in canals rather than a result of the facility's activities. Conductivity was elevated in samples collected at the NPDES sampling point (370 uhmos/cm) and at the Test Sites (356-362 uhmos/cm) when

compared to the Control Sites (95–99 uhmos/cm), but conductivity was not above the Class III Water Quality Criteria

- The sample collected at the NPDES sampling point was slightly toxic to the fish, *Cyprinella leedsi,* resulting in 20% mortality during the 96-hour acute screening bioassays. There was no mortality in the control replicates. The cause of the observed mortality to the *C. leedsi* test organisms was not determined. Chemical constituents detected in the sample were not present in concentrations known to cause acute toxicity to *C. leedsi.* The sample was not toxic to the water flea, *Ceriodaphnia dubia,* during the 96-hour acute screening bioassays. (Table 1, Appendix 6).
- Total phosphorus (0.1 mg/L) and ammonia concentrations (0.34 mg/L) (Table 1) in the outfall sample appear to have contributed to elevated levels at the Test Sites. Ammonia was approximately four times higher at Test Sites 1 and 2 (0.32 and 0.31 mg/L, respectively) compared to the Control Sites (0.05 - 0.066 mg/L). Total phosphorus was an order of magnitude higher at Test Site 2 (0.12 mg/L) compared to Test Site 1 (0.01 mg/L) and Control Site 1 (0.023 mg/L). Total phosphorus was undetected at Control Site 2. Ammonia values at Test Site 1 and 2 were between the 80th - 90th percentiles compared to other Florida streams (Appendix 5); Control Site levels of ? were between the 30th - 40th percentiles of this same subset of streams. The total phosphorus value at Test Site 2 was above the 40th percentile when compared to other typical streams and TKN values were between the 70th - 80th percentile for all sites.
- Algal growth potential (AGP) is a measure of nutrients available for algal growth (Miller *et al.* 1978). Raschke and Shultz (1987) found that AGP above 5.0 mg dry weight/L represents a "problem" threshold for fresh receiving waters, implying nutrient enrichment. The AGP values at the Control Sites and Test Site 1 were below the "problem" threshold. The AGP values at Test Site 2 (12.5 mg dry weight/L) and the sample collected at the NPDES sampling point (6.0 mg dry weight/L) were above this threshold indicating some nutrient enrichment related to the Pratt & Whitney discharge in the unnamed discharge canal. There was evidence of growth inhibition in AGP data. The predicted value for the sample collected at the NPDES sampling point was 9.5 +/- 1.9 mg dry wt/L while the actual value was 6.0 mg dry wt/L (Reference table). Ortho-phosphate samples were not collected at the control or Test Sites; therefore, predicted AGP values could not be calculated for these sites.
- A lack of discharge during the 28-day incubation period precluded the analysis of biological samples from the receiving waters for this study. Periphyton taxa lists and counts are provided in Appendix 8 for informational purposes only.

Summary

The sample collected at the outfall was slightly toxic to the fish, *Cyprinella leedsi,* resulting in 20% mortality during the 96-hour acute screening bioassays. The sample was not toxic to the water flea, *Ceriodaphnia dubia,* during the 96-hour acute screening bioassays.

Dissolved oxygen values were extremely low in the outfall sample (0.02 mg/L) at the Test Sites (0.3 mg/L at each site) compared to the Control Sites (4.2-4.4 mg/L) and appear to be related to hydrological conditions in the unnamed canal. All study sites and the sample collected at the NPDES sampling point sample had dissolved oxygen levels below Class III Water Quality Criteria FAC 62-302.530 (31). Conductivity values were elevated in the sample collected at the NPDES sampling point and at the Test Sites compared to the Control Sites, but complied with Class III Water Quality Criteria.

Ammonia and un-ionized ammonia in the outfall sample and at Test Sites 1 and 2 were approximately an order of magnitude higher than levels at Control Site 1 and 2. Similarly, total phosphorus in samples collected at the NPDES sampling point and Test Site 2 was an order of magnitude higher than other stations. The effluent appears to have contributed to these elevated levels of ammonia and total phosphorus in the receiving water canal.

PCBs were detected at levels above the TEL and below the PEL at Test Sites 1 and 2. Fluoranthene, phenanthrene, and pyrene were detected at Test Site 1 at levels above the TEL and below the PEL.

A lack of flow and discharge during the 28-day incubation period precluded an analysis of the effects of the outfall on the macroinvertebrate community for this study. Periphyton taxa lists and counts are provided for informational purposes only.

Literature Cited

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Table 1. Effluent limits, Class III Criteria and chemical, microbiological and toxicological data.

United Technologies Corp. - Pratt & Whitney	Class III Criteria	Effluent Limits	Effluent Samples 8/26/02	Control Site 1 8/28/02	Control Site 2 8/28/02	Test Site 1 8/28/02	Test Site 2 8/28/02
Organic Constituents (µg/L)							
Di-n-butyl phthalate (µg/L)	-	-	0.48 U	-	-	-	-
Phenol (µg/L)	-	Report d	0.95 U	-	-	-	-
Metals (µg/L, Class III Criteria are less than or equal to the value given)							
Aluminum	1500	-	5 U	42	33 A	-	-
Arsenic	50	-	3 U	3 U	3 U	-	-
Cadmium	b	-	0.025 U	0.025 U	0.025 U	-	-
Calcium							
Chromium	b	-	2 U	2 U	2 U	-	-
Copper	b	-	2.6 U	0.75 U	0.75 U	-	-
Iron	1000	-	**1560 A**	461	446 A	-	-
Lead	b	Report d	0.11 I	0.28 I	0.25 I	-	-
Magnesium							
Nickel	b	-	2.2 I	1.5 U	1.5 U	-	-
Selenium	5	-	1 U	1 U	1 U	-	-
Silver	0.07	-	0.02 U	0.02 U	0.02 U	-	-
Zinc	b	-	2 U	2 U	2 U	-	-
Nutrients (mg/L)							
Ortho-phosphate	-	-	0.022	-	-	-	-
Total Phosphorus	-	Report d	0.10	0.023 I	0.015 U	0.01	0.12
Ammonia	-	-	0.34	0.050	0.066	0.32	0.31
Un-ionized Ammonia	≤0.02 s	-	0.003	0.0003	0.0004	0.003	0.003
Nitrate and Nitrite	-	-	0.008 I J	0.020 U J	0.020 U J	0.020 U J	0.020 U J
Total Kjeldahl Nitrogen	-	-	1.4	1.4	1.3	1.4	1.5
Organic Nitrogen	-	-	1.06	1.35	1.234	1.08	1.19
Total Nitrogen	-	-	1.408	1.42	1.32	1.42	1.52
General Physical and Chemical Parameters							
Habitat Assessment	-	-	-	82	81	68	72
Dissolved Oxygen (mg/L)	5.0 s	-	**0.2**	**4.2**	**4.4**	**0.3**	**0.3**
pH (SU)	6.0-8.5 s	6.0-8.5 d	7.0	6.8	6.8	7.0	7.1
Conductivity (µmhos/cm)	1275 s	-	370	95	99	356	362
Temperature (°C)	-	-	27.3	30.3	30.4	27.0	27.2
Total Suspended Solids (mg/L)	-	45.0 d	7 I	-	-	-	-
Total Dissolved Solids (mg/L)		Report d	310	-	-	-	-
Flow (MGD)	-	Report d	0	-	-	-	-
Hardness (mg $CaCO_3$)	-	Report d	190.0	39.8	38.3	-	-
Oil & Grease (mg/L)		5.0 d	0.6 I	-	-	-	-
Toxicity (96-hour static, screening bioassay, percent mortality in 100% effluent)							
Bioassay - Water flea	-	-	0%	-	-	-	-
Bioassay - Fish	-	-	20%	-	-	-	-

Bold face indicates violation of Class III water quality criteria

b - Value is calculated based on hardness

d - Daily limit

s - Single sample

A - Value reported is the mean of two or more determinations

I - Value reported is < the minimum quantitation limit, and ≥ the minimum detection limit

J - Estimated value

L - Actual value is known to be greater than value given

O - Sampled, but analysis lost or not performed

U - Material analyzed for but not detected; value reported is the minimum detection limit

NOEC - A no observed effect concentration less than 100% effluent will constitute a violation of this permit

Table 2. Sediment metals at control and test sitess.

United Technologies Corp. - Pratt & Whitney	Control 2 Rep 1	Control 2 Rep 2	Control 2 Rep 3	Test 1 Rep 1	Test 1 Rep 2	Test 1 Rep 3	Test 2 Rep 1	Test 2 Rep 2	Test 2 Rep 3
Organic Constituents (µg/Kg) - GC Soil									
PCB-1248	-	-	-	34 I	46	42 I	31 I	38 I	89
PCB-1260	-	-	-	-	-	-	36 I	17 I	30 I
Organic Constituents (µg/Kg) - BNA Waste									
Benzo(a)pyrene	-	-	-	-	100 I	170 I	-	-	190 I
Benzo(a)anthracene	-	-	-	-	-	190 I	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	270 I	-	-	-
Chrysene	-	-	-	-	-	220 I	-	-	-
Fluoranthene	-	-	-	-	-	500	-	-	-
Phenanthrene	-	-	-	-	-	430	-	-	-
Pyrene	-	-	-	-	-	430	-	-	-
Metals (mg/Kg)									
Aluminum	602	433	354	1670 A	1990	2480	13400	7340	8740
Arsenic	0.59 I	0.32 I	0.3 U	0.9 I	1.02 I	0.89 I	2.25	1.45	1.82
Cadmium	0.051	0.031 I	0.024 I	0.087 A	0.086	0.098	0.21	0.2	0.35
Chromium	1.2	0.83	0.72 I	3.64 A	4.14	5.39	19.4	13	16.4
Copper	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	1.8 I	2.7 I
Iron	1110	710	592	994 A	1020	1280	4200	2480	3180
Lead	3.08	1.74	1.43	3.03 A	3.21	3.91	10.3	6.82	9.47
Nickel	0.76 I	0.5 I	0.44 I	1.77 A	1.99	2.29	6.33	4.91	6.88
Silver	0.024 U	0.025 U	0.025 U	0.54 A	0.54	0.57	1	1.2	2.1
Zinc	11 I	7.4 U	7.5 U	16 I	11 I	18 I	12 I	12 I	18 I
Titanium	7.7 J	5.7 J	5.4 J	8.3 A J	8.9 J	10.8 J	31.3 J	21.7 J	26.1 J

A - Value reported is the mean of two or more determinations

I - Value reported is < the minimum quantitation limit, and ? the minimum detection limit

J - Estimated value

U - Material analyzed for but not detected; value reported is the minimum detection limit

NOEC - A no observed effect concentration less than 100% effluent will constitute a violation of this permit

Table 3. Periphyton composition at control and test sites.

United Technologies Corp. - Pratt & Whitney	Control Site 1	Control Site 2	Test Site 1	Test Site 2
Number of Taxa	54	36	45	30
Shannon-Weaver Diversity	4.14	2.89	4.44	4.31
Chlorophyll *a* (mg/m^2)	11 Q	16 AQ	17 Q	23 Q
Algal Density ($number/cm^2$)	599,174	686,150	301,197	322,136
Number of Algal Units Identified	282	426	187	150
Percentage Composition:				
Blue-green algae	21.3	11.3	27.3	36.0
Green algae	13.8	6.8	27.8	28.7
Diatoms	64.2	81.5	43.9	30.0
Other	0.7	0.5	1.1	5.3

Appendices

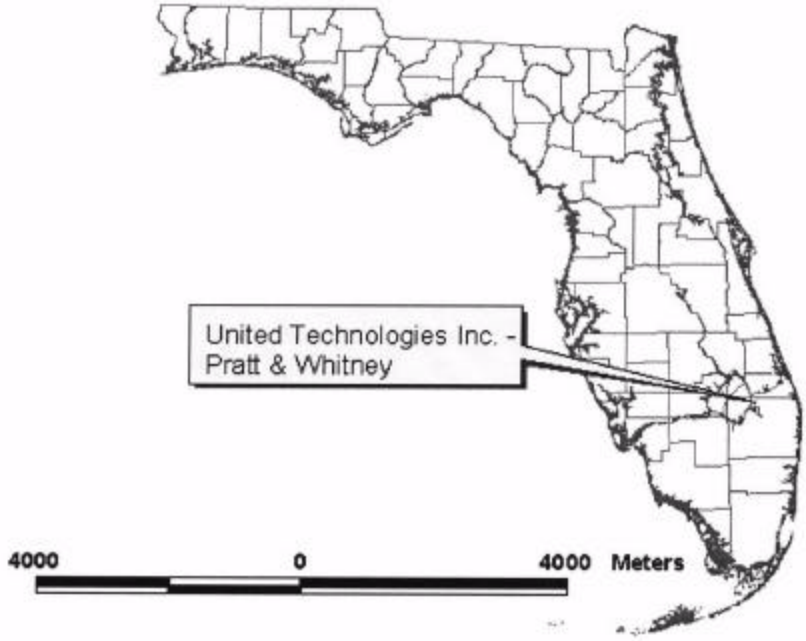
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- Appendix 10. Sediment metal graphs
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Appendix 1

Map of Facility

United Technologies Inc. - Pratt & Whitney







Fifth Year Inspection Program
FDEP- Bureau of Laboratories
Created on: August 11, 2003
Created by: Julie Espy

Appendix 2

Facility Introduction and Summary

Facility Introduction Sheet

Please provide most recent information.

Name of Facility: (as it appears on the NPDES permit) United Technologies Corp., Pratt & Whitney, Industrial Wastewater and Stormwater Discharge Facility

NPDES permit #: FL0026042

Physical Address 17900 Beeline Highway (S.R. 710)

City Jupiter

County Palm Beach County

Type of facility: Pratt/Whitney designs, develops and tests aerospace propulsion systems.

Former names: Same

Design flow: unspecified, varies due to size of drainage area and rainfall

Average flow: (with dates of time period flow was measured): Aug 1 to 31 ,2001 was 11.7 GD

Description of the treatment process: Majority of industrial wastewaters are non-contact cooling water, and stormwater runoff which may have been in contact with fuels/lubricant residues/petroleum contaminates. Treatment methods used include oil/water separator, manual skimming, or both.

Chlorination/dechlorination methods (if applicable): N/A
Receiving water and classification (i.e. Class III fresh waters of the St. John's River): Class III Surface Waters of the SFWMD C-18 Canal.

If mixing zone is present and for what. If several, list all: N/A

Sampling location, specify lat/longs of NPDES point collection point: Lat: 26°55'00"N (Center of entire site) Long: 80°21'08"W

Any other information about the facility or the effluent that is relevant to the effluent samples. (i.e. recent violations, unusual discharge location, combined effluent with another facility, reason bioassay sample may be chlorinated, etc.)

- The surface water (off-site) discharge outfall has had continuing exceedances for the following parameters: oil and grease, total suspended solids (most likely due to heavy algal growth where samples are collected); and lead (hardness-based limit). The best way to describe the exceedances is sporadically occurring, however, the hits, or exceedances, have been often enough to describe them as not being of random, i.e., lab'y. error, 'chance', etc., detection.

V1.0 12/02/02

Appendix 3

Detailed Methods Description

The sample collected at the NPDES sampling point was analyzed for nutrients, metals, organic constituents (base, neutral and acid extractables) and pesticides. The results from these analyses were compared with Water Quality Limits (FAC 62-302) and facility permit limits (Table 1, Appendix 2). A list of the analytes tested for, the minimum detection limit and the practical quantitation limit are given in Appendix 3. Methods used for all chemical analyses are on file at the FDEP Central Chemistry Laboratory in Tallahassee and may be viewed on the web at http://www.floridadep.org/labs/sop/index.htm.

A sample collected at the NPDES sampling point sample and water samples from the control and Test Sites were autoclaved, filtered (0.45 μm), inoculated with the unicellular green alga, *Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum,* USEPA 2002), and incubated for 14 days (Miller et al. 1978). The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L (Miller et al. 1978). To measure possible inhibition of algal growth based on possible toxicants in sample collected at the NPDES sampling point or site water, AGP results were compared to expected levels of dry weight production based on the nutrient content of the water (Miller et al. 1978, Appendix 5).

Periphyton were sampled at both control and test sites by incubating glass microscope slides in a standard periphytometer for 28 days (APHA 1992, Method 1033). Periphyton were subsampled and identified to the lowest practicable level, usually species. Periphyton assemblages were examined for (1) cell density, (2) community composition, (3) taxa richness, and (4) Shannon-Weaver Diversity Index. To estimate periphyton biomass, chlorophyll *a* concentration was measured on a subsample of the slides (APHA 1992, Method 10200H). However, since the facility was not discharging during the 28-day incubation period, results are presented for informational purposes only.

Appendix 4

Explanation of Biological Measures

(1) Habitat Assessment:

Eight aspects of the physical structure and extent of disturbance are ranked, with 20 possible points for each factor (FDEP SOP FT 3100, based on Plafkin *et al.*, 1989 and Barbour and Stribling, 1994). The Habitat Assessment score includes types and amounts of benthic substrates, water velocity, amount of sand or silt accumulation, extent of artificial channelization, bank stability, and riparian zone width and vegetation type. All scores are summed to yield an overall Habitat Assessment score. Habitat Assessment score ranges from 11-160 and overall habitat quality is assigned to one of four categories: Optimal (120-160 points), Suboptimal (80-119 points), Marginal (40-79 points), and Poor (11-39 points).

(2) Sample collected at the NPDES sampling point and Water Samples from Control and Test Sites

Algal Growth Potential (AGP): The sample collected at the NPDES sampling point and water from control and test sites are autoclaved, filtered (0.45μm), inoculated with the unicellular green alga, *Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum* USEPA 2002), and incubated for 14 days. The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L (Miller *et al.* 1978). Raschke and Shultz (1987) found that an AGP above 5.0 mg dry weight/L represents a "problem" threshold for fresh receiving waters, implying nutrient enrichment. High AGP values may constitute one line of evidence for violation of FAC 62-302.530(47), FAC 62-302.530(48)(a) and/or 62-302.530(48)(b).

The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al.* 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of ± 20%. When the ratio of nitrogen to phosphorus (N:P) is less than 11:1, nitrogen limitation of algal production is likely. When the N:P ratio is above 11:1, phosphorus limitation is likely. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may be a violation of FAC 62-302.530(62).

(3) Algal Phytoplankton and Periphyton Assemblages

Chlorophyll *a* Content: Chlorophyll *a* content is measured in both phytoplankton and periphyton samples to estimate algal biomass (APHA 1992, modified from *Standard Methods* 10200H). High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may be a violation of FAC 62-302.530(47), 62-302.530(48)(a) and/or 62-302.530(48)(b).

Cell Density: Cell density is estimated as number/ml for phytoplankton samples and number/cm^2 for periphyton samples (APHA 1992, modified from *Standard Methods* 10200F and 10900G).

Taxa richness: Taxa richness is the number of distinct algal taxa present in a sample. Stress tends to reduce the number of different types of algae present in a sample, but moderate nutrient enrichment of nutrient poor waters may sometimes be correlated with increased algal taxa richness (Stevenson and Bahls 1999).

Community Composition: Shifts in relative proportions of major groups of algae downstream of a point source, compared to upstream, control conditions, may indicate negative effects of a discharge (Stevenson and Bahls 1999) and may constitute violations of FAC 62-302.530(47), 62-302.530(48)(a) 62-302.530(48)(b) and/or 62-302.530(62).

Shannon-Weaver Diversity Index: This index is specified in the Florida Administrative Code 62-302 as a measure of biological integrity. Low diversity scores are undesirable. Where diversity is low, only a few taxa are abundant as compared to an area where many taxa are present with more equitable abundance among taxa (Magurran 1988). Low diversity scores related to a facility's sample collected at the NPDES sampling point may constitute violations of FAC 62-302.530(47), 62-302.530(48)(a) 62-302.530(48)(b) and/or 62-302.530(62).

Appendix 5

Typical Values for Selected Parameters in Florida Waters

Percentile Distribution (1617 stations)

CONTROL SITE 1

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
Periphyton Chlorophyll *a* (mg/m^2)	0.31	0.43	0.77	1.04	2.16	2.94	6.45	**10.51**	**17.00**	39.51	60.85	**11 Q**
Dipnet Taxa Richness	9	12	17	20	22	24.5	26	28	31	37	53	-
Total Kjeldahl Nitrogen	0.30	0.39	0.56	0.73	0.87	1.00	1.11	**1.26**	**1.49**	1.93	2.80	**1.4**
Ammonia	0.02	0.02	0.04	**0.05**	0.06	0.08	0.11	0.14	0.20	0.34	0.60	**0.050**
Nitrate plus nitrite	0.01	**0.01**	**0.03**	0.05	0.07	0.10	0.14	0.20	0.32	0.64	1.05	**0.020 UJ**
Total Phosphorus	**0.02**	**0.03**	0.05	0.06	0.10	0.13	0.18	0.25	0.39	0.74	1.51	**0.023 I**
Orthophosphate	0.01	0.01	0.03	0.04	0.05	0.08	0.11	0.17	0.27	0.59	1.37	-

CONTROL SITE 2

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
Periphyton Chlorophyll *a* (mg/m^2)	0.31	0.43	0.77	1.04	2.16	2.94	6.45	**10.51**	**17.00**	39.51	60.85	**16 AQ**
Dipnet Taxa Richness	9	12	17	20	22	24.5	26	28	31	37	53	-
Total Kjeldahl Nitrogen	0.30	0.39	0.56	0.73	0.87	1.00	1.11	**1.26**	**1.49**	1.93	2.80	**1.3**
Ammonia	0.02	0.02	0.04	0.05	**0.06**	**0.08**	0.11	0.14	0.20	0.34	0.60	**0.066**
Nitrate plus nitrite	0.01	**0.01**	**0.03**	0.05	0.07	0.10	0.14	0.20	0.32	0.64	1.05	**0.020 UJ**
Total Phosphorus	**0.02**	0.03	0.05	0.06	0.10	0.13	0.18	0.25	0.39	0.74	1.51	**0.015 U**
Orthophosphate	0.01	0.01	0.03	0.04	0.05	0.08	0.11	0.17	0.27	0.59	1.37	-

TEST SITE 1

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
Periphyton Chlorophyll *a* (mg/m^2)	0.31	0.43	0.77	1.04	2.16	2.94	6.45	10.51	**17.00**	39.51	60.85	**17 Q**
Dipnet Taxa Richness	9	12	17	20	22	24.5	26	28	31	37	53	-
Total Kjeldahl Nitrogen	0.30	0.39	0.56	0.73	0.87	1.00	1.11	**1.26**	**1.49**	1.93	2.80	**1.4**
Ammonia	0.02	0.02	0.04	0.05	0.06	0.08	0.11	0.14	**0.20**	**0.34**	0.60	**0.32**
Nitrate plus nitrite	0.01	**0.01**	**0.03**	0.05	0.07	0.10	0.14	0.20	0.32	0.64	1.05	**0.020 UJ**
Total Phosphorus	**0.02**	0.03	0.05	0.06	0.10	0.13	0.18	0.25	0.39	0.74	1.51	**0.01**
Orthophosphate	0.01	0.01	0.03	0.04	0.05	0.08	0.11	0.17	0.27	0.59	1.37	-

TEST SITE 2

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
Periphyton Chlorophyll *a* (mg/m^2)	0.31	0.43	0.77	1.04	2.16	2.94	6.45	10.51	**17.00**	**39.51**	60.85	**23 Q**
Dipnet Taxa Richness	9	12	17	20	22	24.5	26	28	31	37	53	-
Total Kjeldahl Nitrogen	0.30	0.39	0.56	0.73	0.87	1.00	1.11	1.26	**1.49**	**1.93**	2.80	**1.5**
Ammonia	0.02	0.02	0.04	0.05	0.06	0.08	0.11	0.14	**0.20**	**0.34**	0.60	**0.31**
Nitrate plus nitrite	0.01	**0.01**	**0.03**	0.05	0.07	0.10	0.14	0.20	0.32	0.64	1.05	**0.020 UJ**
Total Phosphorus	0.02	0.03	0.05	0.06	**0.10**	**0.13**	0.18	0.25	0.39	0.74	1.51	**0.12**
Orthophosphate	0.01	0.01	0.03	0.04	0.05	0.08	0.11	0.17	0.27	0.59	1.37	-

Taxa richness and diversity values are for benthic macroinvertebrates. Hester-Dendy sample=benthic macroinvertebrates collected from a standardized multi-plate sampler. Dipnet taxa richness=number of taxa collected in standardized dipnet sweep samples. Diversity= Shannon-Weaver H'. NTU=Nephelometric turbidity units. Adapted from Joe Hand, FDER, pers. comm, 1991 (data collected 1980-1989).

A - Value reported is the mean of two or more determinations

J - Estimated value

Q – Sampled held beyond normal holding time

U - Material analyzed for but not detected; value reported is the minimum detection limit

Appendix 6

Toxicological Results

Data recorded during the 96-hour acute screening bioassays of a sample of effluent from the United Technologies Corp.: Pratt/Whitney, 17900 Beeline Highway (SR 710), Jupiter, Palm Beach County, Florida, NPDES# FL0026042, performed from 27 to 31 August 20

Facility: **United Technologies Corp.: Pratt/Whitney** | **NPDES #** **FL0026042** | Facility Type: **Develops Aerospace Propulsion systems** | **Analysts:** Jacquelyn Brynda, Joshua Ayres, Christa Pierini, Marshall Faircloth

Location: 17900 Beeline Highway, Jupiter | Contact/District: Davis/SE

County: Palm Beach | Test type: acute screen renewal

Sample Collection Date: 8/25/1998 Time: 1125 | # tests: 2 | Receiving Water: C-18 Canal A

Test Beginning Date: 8/26/1998 Time: 1500 | Chlorination Type: Non-chlorinated | Class III Fresh

Test Ending Date: 8/30/1998 Time: 1300

Reviewer: David Whiting

Organism: ***Ceriodaphnia dubia*** Life stage: <24 hours

0-48 hours (before renewal)

Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive 0 hr	24 hr	48 hr	pH 0 hour	24 hour	48 hour	Temperature[A] 0 hour	24 hour	48 hour	Dissolved Oxygen 0 hour	24 hour	48 hour	Conductivity Uncorrected µmhos/cm 0 hour	48 hour
Control A	0/20	5	5	5	8.3	-	8.2	24.1	-	24.4	7.7	-	6.8	1006	659
Control B	0/20	5	5	5	-	-	8.2	-	-	24.3	-	-	7.0	-	406
Control C	0/20	5	5	5	-	-	8.2	-	-	24.3	-	-	6.9	-	339
Control D	0/20	5	5	5	-	-	8.2	-	-	24.3	-	-	7.0	-	328
100% A	20/0	5	5	5	7.4	-	8.6	24.1	-	24.3	6.3	-	7.1	545	536
100% B	20/0	5	5	5	-	-	8.6	-	-	24.7	-	-	7.2	-	577
100% C	20/0	5	5	5	-	-	8.6	-	-	24.7	-	-	7.3	-	594
100% D	20/0	5	5	5	-	-	8.7	-	-	24.5	-	-	7.4	-	602

LIMS

Job number: TLH-2002-08-27-45

sample number: 617427

Data Transcription Verification

date: 12/15/1998

by: Cathy Oaks, Brad Richardson

Total Residual CL2	mg/L	Method
Field:	-	-
Lab:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water (water flea):	<0.017	<0.017
100% Sample:	<0.017	<0.017

Organism: ***Ceriodaphnia dubia***

48-96 hours (after renewal)

Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive 48 hr	72 hr	96 hr	pH 48 hour	72 hour	96 hour	Temperature[A] 48 hour	72 hour	96 hour	Dissolved Oxygen 48 hour	72 hour	96 hour	Conductivity Uncorrected µmhos/cm 48 hour	96 hour
Control A	0/20	5	5	5	8.5	-	8.2	24.2	-	24.6	7.5	-	8.3	225	190
Control B	0/20	5	5	5	-	-	8.2	-	-	24.4	-	-	8.3	-	195
Control C	0/20	5	5	5	-	-	8.2	-	-	24.3	-	-	8.2	-	190
Control D	0/20	5	5	5	-	-	8.2	-	-	24.3	-	-	8.3	-	185
100% A	20/0	5	5	5	7.6	-	8.6	24.7	-	24.2	6.1	-	8.3	466	590
100% B	20/0	5	5	5	-	-	8.6	-	-	24.2	-	-	8.3	-	590
100 % C	20/0	5	5	5	-	-	8.6	-	-	24.3	-	-	8.3	-	525
100% D	20/0	5	5	5	-	-	8.7	-	-	24.3	-	-	8.3	-	560

Alk & Hardness	Alkalinity (mg/L	Hardness (mg/L)
Control water (water flea):	80	80
100% Sample:	222	205

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.5-27.5°C.
Incubator #3 temperature range for the test period was 24.0-25.0°C.

Continued

Appendix 6

Toxicological results

Data recorded during the 96-hour acute screening bioassays of a sample of effluent from the United Technologies Corp.: Pratt/Whitney, 17900 Beeline Highway (SR 710), Jupiter, Palm Beach County, Florida, NPDES# FL0026042, performed from 27 to 31 August 20

Facility: **United Technologies Corp.: Pratt/Whitney** NPDES # **FL0026042** Facility Type: **Develops Aerospace Propulsion systems**

Location: 17900 Beeline Highway, Jupiter Contact/District: Davis/SE

County: Palm Beach Test type: acute screen renewal

Sample Collection Date: 8/25/1998 Time: 1125 # tests: 2 Receiving Water: C-18 Canal A

Test Beginning Date: 8/26/1998 Time: 1500 Chlorination Type: Non-chlorinated Class III Fresh

Test Ending Date: 8/30/1998 Time: 1300

Analysts: Jacquelyn Brynda, Joshua Ayres, Christa Pierini, Marshall Faircloth

Reviewer: David Whiting

Organism: ***Cyprinella leedsi*** Life stage: 13 days

0-48 hours (before renewal)

Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive 0 hr	24 hr	48 hr	pH 0 hour	24 hour	48 hour	Temperature[A] 0 hour	24 hour	48 hour	Dissolved Oxygen 0 hour	24 hour	48 hour	Conductivity Uncorrected µmhos/cm 0 hour	48 hour
Control A	0/500	5	5	5	7.7	8.4	8.4	24.9	24.0	24.8	7.3	8.0	7.7	323	330
Control B	0/500	5	5	5	7.7	8.4	8.4	24.9	24.2	24.4	7.5	7.9	7.7	318	360
Control C	0/500	5	5	5	7.7	8.5	8.4	24.9	24.1	24.4	7.7	8.1	7.8	283	300
Control D	0/500	5	5	5	7.7	8.4	8.5	24.9	24.0	24.4	7.7	7.9	7.8	300	285
100% A	500/0	5	5	5	7.4	8.1	8.4	24.6	23.9	24.2	6.2	7.8	7.6	479	500
100% B	500/0	5	5	5	7.4	8.1	8.5	24.4	23.7	24.9	6.1	7.6	7.6	482	495
100% C	500/0	5	5	5	7.4	8.2	8.5	24.4	24.5	24.4	5.8	7.3	7.8	495	490
100% D	500/0	5	5	5	7.4	8.2	8.5	24.4	24.6	24.7	6.1	7.2	7.8	484	495

Organism: ***Cyprinella leedsi***

48-96 hours (after renewal)

Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive 48 hr	72 hr	96 hr	pH 48 hour	72 hour	96 hour	Temperature[A] 48 hour	72 hour	96 hour	Dissolved Oxygen 48 hour	72 hour	96 hour	Conductivity Uncorrected µmhos/cm 48 hour	96 hour
Control A	0/500	5	5	5	7.9	8.1	8.3	23.7	24.0	25.0	7.5	7.2	7.5	292	275
Control B	0/500	5	5	5	8.0	8.1	8.2	23.8	24.2	25.0	7.5	7.2	7.5	275	285
Control C	0/500	5	5	5	8.0	8.1	8.3	23.8	24.1	25.0	7.5	7.3	7.4	269	280
Control D	0/500	5	5	5	8.0	8.2	8.3	23.6	24.5	24.9	7.5	7.2	7.4	266	275
100% A	500/0	5	3	3	7.5	8.0	8.2	23.7	24.2	24.7	5.5	6.8	6.8	441	500
100% B	500/0	5	4	4	7.5	8.0	8.2	23.7	24.0	24.9	5.5	6.7	6.7	468	505
100 % C	500/0	5	5	5	7.4	8.0	8.3	23.7	24.0	25.2	5.2	6.7	6.5	478	530
100% D	500/0	5	4	4	7.4	8.0	8.3	23.6	24.2	24.8	5.2	6.8	6.6	475	505

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.5-27.5°C.
Incubator #3 temperature range for the test period was 24.0-25.0°C.

LIMS	
Job number:	TLH-2002-08-27-45
sample number:	617427

Data Transcription Verification	
date:	12/15/1998
by:	Cathy Oaks
	Brad Richardson

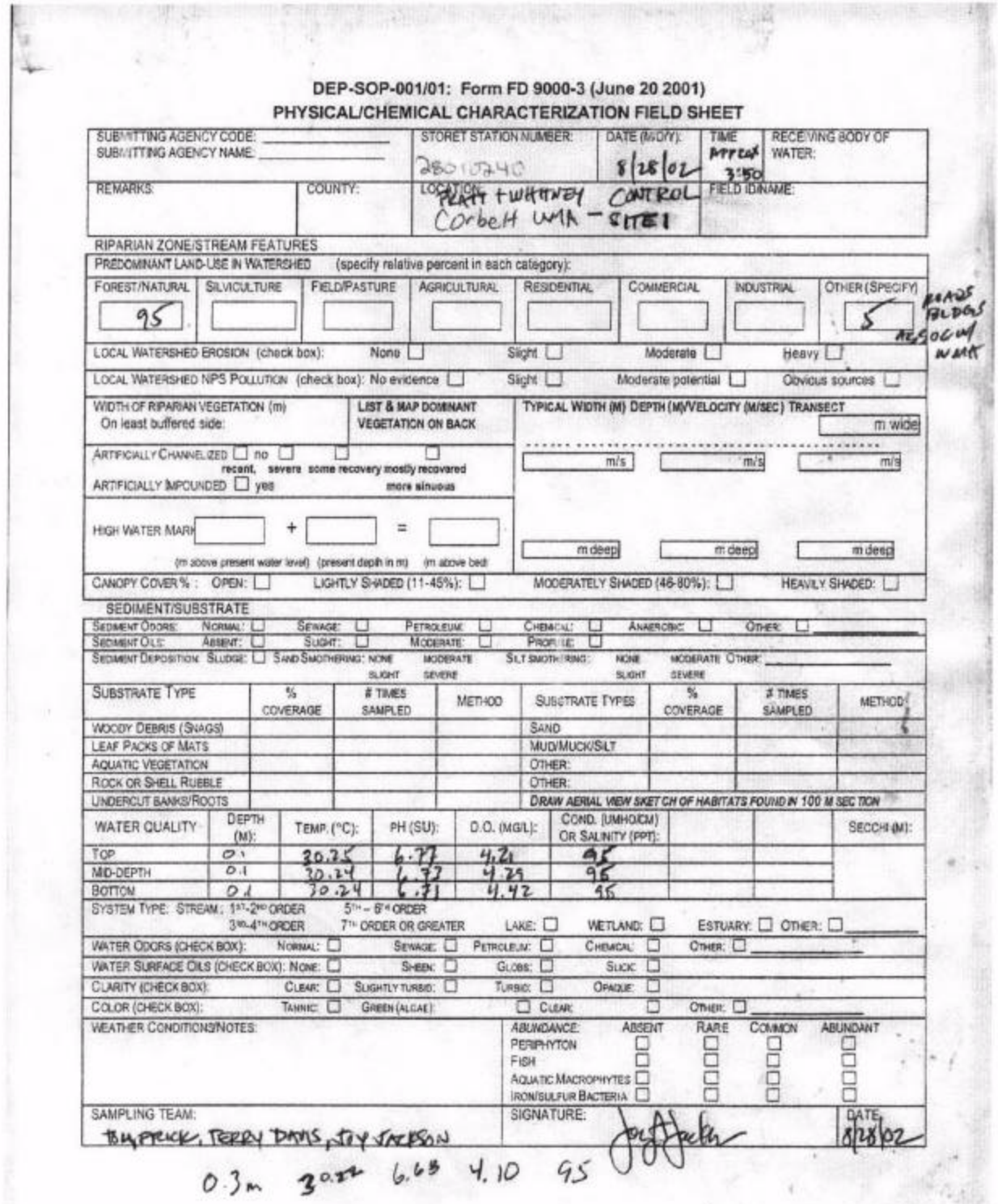
Total Residual CL2	mg/L	Method
Field:	-	-
Lab:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water (fish):	<0.017	<0.017
100% Sample:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water (fish):	139	130
100% Sample:	222	205

Appendix 7

Habitat Assessment Field Sheets.



DEP-SOP-001/01: Form FD 9000-3 (June 20 2001)
PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SUBMITTING AGENCY CODE: _____ SUBMITTING AGENCY NAME: _____		STORET STATION NUMBER: 28010740	DATE (M/D/Y): 8/28/02	TIME APPROX 3:50	RECEIVING BODY OF WATER:
REMARKS:	COUNTY:	LOCATION: PLATT + WHITNEY CONTROL Corbett WMA - SITE 1			FIELD ID/NAME:

RIPARIAN ZONE/STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

FOREST/NATURAL	SILVICULTURE	FIELD/PASTURE	AGRICULTURAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER (SPECIFY)
95							5 ROADS FIELDS RESIDENTIAL

LOCAL WATERSHED EROSION (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

LOCAL WATERSHED NPS POLLUTION (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

WIDTH OF RIPARIAN VEGETATION (m) On least buffered side: | LIST & MAP DOMINANT VEGETATION ON BACK

TYPICAL WIDTH (M) DEPTH (M)/VELOCITY (M/SEC) TRANSECT

m wide

m/s | m/s | m/s

ARTIFICIALLY CHANNELIZED ☐ no ☐ recent, severe ☐ some recovery ☐ mostly recovered

ARTIFICIALLY IMPOUNDED ☐ yes more sinuous

HIGH WATER MARK ____ + ____ = ____
(m above present water level) (present depth in m) (m above bed)

m deep | m deep | m deep

CANOPY COVER %: OPEN: ☐ LIGHTLY SHADED (11-45%): ☐ MODERATELY SHADED (46-80%): ☐ HEAVILY SHADED: ☐

SEDIMENT/SUBSTRATE

SEDIMENT ODORS: NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ ANAEROBIC: ☐ OTHER: ☐ _____

SEDIMENT OILS: ABSENT: ☐ SLIGHT: ☐ MODERATE: ☐ PROFUSE: ☐

SEDIMENT DEPOSITION: SLUDGE: ☐ SAND SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ SILT SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ OTHER: _____

SUBSTRATE TYPE	% COVERAGE	# TIMES SAMPLED	METHOD	SUBSTRATE TYPES	% COVERAGE	# TIMES SAMPLED	METHOD
WOODY DEBRIS (SNAGS)				SAND			
LEAF PACKS OF MATS				MUD/MUCK/SILT			
AQUATIC VEGETATION				OTHER:			
ROCK OR SHELL RUBBLE				OTHER:			
UNDERCUT BANKS/ROOTS				DRAW AERIAL VIEW SKETCH OF HABITATS FOUND IN 100 M SECTION			

WATER QUALITY	DEPTH (M):	TEMP. (°C):	PH (SU):	D.O. (MG/L):	COND. (UMHO/CM) OR SALINITY (PPT):			SECCHI (M):
TOP	0.1	30.25	6.77	4.21	95			
MID-DEPTH	0.4	30.24	6.77	4.29	95			
BOTTOM	0.6	30.24	6.71	4.42	95			

SYSTEM TYPE: STREAM: 1ST-2ND ORDER ☐ 3RD-4TH ORDER ☐ 5TH – 6TH ORDER ☐ 7TH ORDER OR GREATER ☐ LAKE: ☐ WETLAND: ☐ ESTUARY: ☐ OTHER: ☐ _____

WATER ODORS (CHECK BOX): NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ OTHER: ☐ _____

WATER SURFACE OILS (CHECK BOX): NONE: ☐ SHEEN: ☐ GLOBS: ☐ SLICK: ☐

CLARITY (CHECK BOX): CLEAR: ☐ SLIGHTLY TURBID: ☐ TURBID: ☐ OPAQUE: ☐

COLOR (CHECK BOX): TANNIC: ☐ GREEN (ALGAE): ☐ CLEAR: ☐ OTHER: ☐ _____

WEATHER CONDITIONS/NOTES:

ABUNDANCE:	ABSENT	RARE	COMMON	ABUNDANT
PERIPHYTON	☐	☐	☐	☐
FISH	☐	☐	☐	☐
AQUATIC MACROPHYTES	☐	☐	☐	☐
IRON/SULFUR BACTERIA	☐	☐	☐	☐

SAMPLING TEAM: TOM PRUCK, TERRY DAVIS, JOY JACKSON

SIGNATURE: Joy A Jackson

DATE: 8/28/02

0.3m 30.22 6.63 4.10 95

DEP-SOP-001/01: Form FD 9000-5 (December 11, 2001)

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
		7/30/02	

REMARKS:	COUNTY:	LOCATION:	FIELD ID/NAME:
PRATT + WHITNEY FWI	PALM BEACH	CORBETT WMA - MAIN CANAL	CONTROL SITE 1

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 5	Four or more productive habitats present [snags, tree roots/undercut banks, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less productive habitat. Lack of habitat is obvious, substrates unstable or smothered (5) 4 3 2 1
Substrate Availability 18	Greater than 30% productive habitat present at site 20 19 18 17 16	16% to 30% productive habitat, by aerial extent 15 14 13 12 11	6% to 15% productive habitat 10 9 8 7 6	Less than 5% productive habitat 5 4 3 2 1
Water Velocity 2	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec 20 19 18 17 16	Max. observed at typical transect: 0.1 to 0.25 m/sec 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occuring: > 1 m/sec 5 4 3 (2) 1
Habitat Smothering 14 Primary Score 39	Less than 20% of habitats affected by sand or silt accumulation 20 19 18 17 16	20%-50% of habitats affected by sand or silt accumulation 15 (14) 13 12 11	Smothering of 50%-80% of the habitats with sand or silt, pools shallow, frequent sediment movement 10 9 8 7 6	Smothering of >80% of habitats with sand or silt, as severe problem, pools absent 5 4 3 2 1
Secondary Habitat Components **Artificial Channelization** 5	No artificial channelization or dredging. Stream with normal, sinuous pattern 20 19 18 17 16	May have been channelized in the past (>20 yrs), but mostly recovered, fairly good sinuous pattern 15 14 13 12 11	Channelized, somewhat recovered, but > 80% of area affected 10 9 8 7 6	Artificially channelized, box-cut banks, straight, instream habitat highly altered (5) 4 3 2 1
Bank Stability Right Bank 10 Left Bank 10	Stable. No evidence of erosion or bank failure. Little potential for future problems. (10) 9	Moderately stable. Infrequent or small areas of erosion, mostly healed over. 8 7 6	Moderately unstable. Moderate areas of erosion, high erosion potential during floods. 5 4	Unstable. Many (60%-80%) raw, eroded areas. Obvious bank sloughing. 3 2 1
Riparian Buffer Zone Width Right Bank 6 Left Bank 2	Width of native vegetation (least buffered side) greater than 18 m 10 9	Width of native vegetation (least buffered side) 12 to 18 m (8) 7 6	Width of native vegetation 6 to 12 m. human activities still close to system 5 4	Less than 6 m of native buffer zone due to intensive human activities 3 (2) 1
Riparian Zone Vegetation Quality Right Bank 5 Left Bank 5 Secondary Score 43	Over 80% of riparian surfaces consist of native plants, including trees, understory shrubs, or non-woody macrophytes. Normal, expected plant community for given sunlight & habitat conditions 10 9	50% to 80% of riparian zone is vegetated, and/or one class of plants normally expected for the sunlight & habitat conditions is not represented. Some disruption in community evident. 8 7 6	25% to 50% of riparian zone is vegetated, and/or one or two expected classes of plants are not represented. Patches of bare soil or closely cropped vegetation, disruption obvious. 5 4	Less than 25% of stream bank surfaces are vegetated and/or poor plant community (e.g. grass monoculture or exotics) present. Vegetation removed to stubble height of 2 inches or less 3 2 1

82 **TOTAL SCORE**

ANALYSIS DATE:	ANALYST:	SIGNATURE:
7/30/02	Joy A Jackson	Joy A Jackson

DEP-SOP-001/01: Form FD 9000-3 (June 20 2001)

PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	28010241	8/28/02	1427	

REMARKS:	COUNTY:	LOCATION:	FIELD ID/NAME:
Pratt + Whitney PY1		Corbett WMA - Control Site 2	

RIPARIAN ZONE/STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

FOREST/NATURAL	SILVICULTURE	FIELD/PASTURE	AGRICULTURAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER (SPECIFY)
95							5 ROADS / BLDGS ASSOC w/ WMA

LOCAL WATERSHED EROSION (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

LOCAL WATERSHED NPS POLLUTION (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

WIDTH OF RIPARIAN VEGETATION (m) On least buffered side:	LIST & MAP DOMINANT VEGETATION ON BACK	TYPICAL WIDTH (M) DEPTH (M)/VELOCITY (M/SEC) TRANSECT
		m wide

ARTIFICIALLY CHANNELIZED ☐ no ☐ ☐ ☐ (recent, severe; some recovery; mostly recovered)

ARTIFICIALLY IMPOUNDED ☐ yes (more sinuous)

m/s	m/s	m/s

HIGH WATER MARK ____ + ____ = ____

(m above present water level) (present depth in m) (m above bed)

m deep	m deep	m deep

CANOPY COVER %: OPEN: ☐ LIGHTLY SHADED (11-45%): ☐ MODERATELY SHADED (46-80%): ☐ HEAVILY SHADED: ☐

SEDIMENT/SUBSTRATE

SEDIMENT ODORS: NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ ANAEROBIC: ☐ OTHER: ☐ _____

SEDIMENT OILS: ABSENT: ☐ SLIGHT: ☐ MODERATE: ☐ PROFUSE: ☐

SEDIMENT DEPOSITION: SLUDGE: ☐ SAND SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ SILT SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ OTHER: _____

SUBSTRATE TYPE	% COVERAGE	# TIMES SAMPLED	METHOD	SUBSTRATE TYPES	% COVERAGE	# TIMES SAMPLED	METHOD
WOODY DEBRIS (SNAGS)				SAND			
LEAF PACKS OF MATS				MUD/MUCK/SILT			
AQUATIC VEGETATION				OTHER:			
ROCK OR SHELL RUBBLE				OTHER:			
UNDERCUT BANKS/ROOTS				DRAW AERIAL VIEW SKETCH OF HABITATS FOUND IN 100 M SECTION			

WATER QUALITY	DEPTH (M):	TEMP. (°C):	PH (SU):	D.O. (MG/L):	COND. (UMHO/CM) OR SALINITY (PPT):			SECCHI (M):
TOP	0.1	30.35	6.8	4.40	99			
MID-DEPTH	0.1	30.30	6.75	4.46	99			
BOTTOM	0.1	30.32	6.72	4.29	101			

SYSTEM TYPE: STREAM: 1ST-2ND ORDER ☐ 3RD-4TH ORDER ☐ 5TH – 6TH ORDER ☐ 7TH ORDER OR GREATER ☐ LAKE: ☐ WETLAND: ☐ ESTUARY: ☐ OTHER: ☐ _____

WATER ODORS (CHECK BOX): NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ OTHER: ☐ _____

WATER SURFACE OILS (CHECK BOX): NONE: ☐ SHEEN: ☐ GLOBS: ☐ SLICK: ☐

CLARITY (CHECK BOX): CLEAR: ☐ SLIGHTLY TURBID: ☐ TURBID: ☐ OPAQUE: ☐

COLOR (CHECK BOX): TANNIC: ☐ GREEN (ALGAE): ☐ CLEAR: ☐ OTHER: ☐ _____

WEATHER CONDITIONS/NOTES:

ABUNDANCE:	ABSENT	RARE	COMMON	ABUNDANT
PERIPHYTON	☐	☐	☐	☐
FISH	☐	☐	☐	☐
AQUATIC MACROPHYTES	☐	☐	☐	☐
IRON/SULFUR BACTERIA	☐	☐	☐	☐

SAMPLING TEAM: TOM PECK, TERRY DAVIS, STV JACKSON

SIGNATURE: [signature]

DATE: 8/28/02

Depth 0.3m 30.30 6.70 4.24 100

DEP-SOP-001/01: Form FD 9000-5 (December 11, 2001)

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (MM/DD/YY): 7/30/02	RECEIVING BODY OF WATER:

REMARKS:	COUNTY: PALM BEACH	LOCATION: CORBETT WMA – MAIN CANAL	FIELD ID/NAME: CONTROL SITE 2

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 5	Four or more productive habitats present [snags, tree roots/undercut banks, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 3 2 1
Substrate Availability 16	Greater than 30% productive habitat present at site 20 19 18 17 (16)	16% to 30% productive habitat, by aerial extent 15 14 13 12 11	6% to 15% productive habitat 10 9 8 7 6	Less than 5% productive habitat 5 4 3 2 1
Water Velocity 3	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec 20 19 18 17 16	Max. observed at typical transect: 0.1 to 0.25 m/sec 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec 5 4 3 2 1
Habitat Smothering 14 Primary Score 38	Less than 20% of habitats affected by sand or silt accumulation 20 19 18 17 16	20%-50% of habitats affected by sand or silt accumulation 15 14 13 12 11	Smothering of 50%-80% of the habitats with sand or silt, pools shallow, frequent sediment movement 10 9 8 7 6	Smothering of >80% of habitats with sand or silt, as severe problem, pools absent 5 4 3 2 1
Secondary Habitat Components **Artificial Channelization** 5	No artificial channelization or dredging. Stream with normal, sinuous pattern 20 19 18 17 16	May have been channelized in the past (>20 yrs), but mostly recovered, fairly good sinuous pattern 15 14 13 12 11	Channelized, somewhat recovered, but > 80% of area affected 10 9 8 7 6	Artificially channelized, box-cut banks, straight, instream habitat highly altered 5 4 3 2 1
Bank Stability Right Bank 10 Left Bank 10	Stable. No evidence of erosion or bank failure. Little potential for future problems. 10 9	Moderately stable. Infrequent or small areas of erosion, mostly healed over. 8 7 6	Moderately unstable. Moderate areas of erosion, high erosion potential during floods. 5 4	Unstable. Many (60%-80%) raw, eroded areas. Obvious bank sloughing. 3 2 1
Riparian Buffer Zone Width Right Bank 6 Left Bank 2	Width of native vegetation (least buffered side) greater than 18 m 10 9	Width of native vegetation (least buffered side) 12 to 18 m 8 7 6	Width of native vegetation 6 to 12 m. human activities still close to system 5 4	Less than 6 m of native buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank 5 Left Bank 3 Secondary Score 43	Over 80% of riparian surfaces consist of native plants, including trees, understory shrubs, or non-woody macrophytes. Normal, expected plant community for given sunlight & habitat conditions 10 9	50% to 80% of riparian zone is vegetated, and/or one class of plants normally expected for the sunlight & habitat conditions is not represented. Some disruption in community evident. 8 7 6	25% to 50% of riparian zone is vegetated, and/or one or two expected classes of plants are not represented. Patches of bare soil or closely cropped vegetation, disruption obvious. 5 4	Less than 25% of stream bank surfaces are vegetated and/or poor plant community (e.g. grass monoculture or exotics) present. Vegetation removed to stubble height of 2 inches or less 3 2 1

81 **TOTAL SCORE**

ANALYSIS DATE: 7/30/02	ANALYST: Joy A Jackson	SIGNATURE: Joy A Jackson

DEP-SOP-001/01: Form FD 9000-3 (June 20 2001)
PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	2801024	8/28/02	8:20	

REMARKS:	COUNTY:	LOCATION:	FIELD ID/NAME:
		Pratt + Whitney FYI	Test Site 1

RIPARIAN ZONE/STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

FOREST/NATURAL	SILVICULTURE	FIELD/PASTURE	AGRICULTURAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER (SPECIFY)
25		10			5	60	

LOCAL WATERSHED EROSION (check box): None ☐ Slight ☐ Moderate ☒ Heavy ☐

LOCAL WATERSHED NPS POLLUTION (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☒

WIDTH OF RIPARIAN VEGETATION (m) On least buffered side: < 1m

LIST & MAP DOMINANT VEGETATION ON BACK

ARTIFICIALLY CHANNELIZED ☒ no ☐ recent, severe ☐ some recovery ☐ mostly recovered

ARTIFICIALLY IMPOUNDED ☐ yes more sinuous

HIGH WATER MARK: 0.2 (m above present water level) + 1.0 (present depth in m) = 1.2 (m above bed)

TYPICAL WIDTH (M) DEPTH (M)/VELOCITY (M/SEC) TRANSECT: 12-15 m wide

0 m/s	0 m/s	0 m/s
m deep	m deep	m deep

CANOPY COVER %: OPEN: ☒ LIGHTLY SHADED (11-45%): ☐ MODERATELY SHADED (46-80%): ☐ HEAVILY SHADED: ☐

SEDIMENT/SUBSTRATE

SEDIMENT ODORS: NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ ANAEROBIC: ☒ OTHER: ☐

SEDIMENT OILS: ABSENT: ☒ SLIGHT: ☐ MODERATE: ☐ PROFUSE: ☐

SEDIMENT DEPOSITION: SLUDGE: ☐ SAND SMOTHERING: NONE SLIGHT MODERATE SEVERE SILT SMOTHERING: NONE SLIGHT MODERATE SEVERE OTHER:

SUBSTRATE TYPE	% COVERAGE	# TIMES SAMPLED	METHOD	SUBSTRATE TYPES	% COVERAGE	# TIMES SAMPLED	METHOD
WOODY DEBRIS (SNAGS)				SAND			
LEAF PACKS OF MATS				MUD/MUCK/SILT			
AQUATIC VEGETATION				OTHER:			
ROCK OR SHELL RUBBLE				OTHER:			
UNDERCUT BANKS/ROOTS				DRAW AERIAL VIEW SKETCH OF HABITATS FOUND IN 100 M SECTION			

WATER QUALITY	DEPTH (M):	TEMP. (°C):	PH (SU):	D.O. (MG/L):	COND. (UMHO/CM) OR SALINITY (PPT):			SECCHI (M):
TOP	0.15	27.02	6.99	0.26	356			
~~MID-DEPTH~~	0.15	27.03	7.04	0.13	357			
~~BOTTOM~~	0.15	27.03	7.04	0.10	357			

SYSTEM TYPE. STREAM: 1ST-2ND ORDER ☐ 3RD-4TH ORDER ☐ 5TH – 8TH ORDER ☐ 7TH ORDER OR GREATER ☐ LAKE: ☐ WETLAND: ☐ ESTUARY: ☐ OTHER: ☐

WATER ODORS (CHECK BOX): NORMAL: ☒ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ OTHER: ☐

WATER SURFACE OILS (CHECK BOX): NONE: ☐ SHEEN: ☒ GLOBS: ☐ SLICK: ☐

CLARITY (CHECK BOX): CLEAR: ☐ SLIGHTLY TURBID: ☒ TURBID: ☐ OPAQUE: ☐

COLOR (CHECK BOX): TANNIC: ☒ GREEN (ALGAE): ☐ CLEAR: ☐ OTHER: ☐

WEATHER CONDITIONS/NOTES: OVERCAST; CALM; N26°53'57.3 W80°17,37.4

ABUNDANCE:	ABSENT	RARE	COMMON	ABUNDANT
PERIPHYTON	☐	☐	☐	☒
FISH	☐	☐	☒	☐
AQUATIC MACROPHYTES	☐	☐	☐	☒
IRON/SULFUR BACTERIA	☐	☐	☒	☐

SAMPLING TEAM: Jay Jackson, Tom Frick, Terry Davis

SIGNATURE: Jay Jackson DATE: 8/28/02

1.1 m – 26.91 7.04 0.08 360

BLANKS: FILLED SLEEVE W/DI WATER, THEN FILLED BOTTES. ORDER OF BOTTLE FILLING BNA, PESTICIDES, OIL + GREASE, TDS/TSS, NUTRIENTS, METALS

DEP-SOP-001/01: Form FD 9000-5 (December 11, 2001)

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (mm/dd/yy):	RECEIVING BODY OF WATER:
		7/30/02	

REMARKS:	COUNTY:	LOCATION:	FIELD ID/NAME:
	Palm Beach	Post + Whitney Test Site 1	Test Site 1

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 3	Four or more productive habitats present [snags, tree roots/undercut banks, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 (3) 2 1
Substrate Availability 14	Greater than 30% productive habitat present at site 20 19 18 17 16	16% to 30% productive habitat, by aerial extent 15 (14) 13 12 11	6% to 15% productive habitat 10 9 8 7 6	Less than 5% productive habitat 5 4 3 2 1
Water Velocity 1	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec 20 19 18 17 16	Max. observed at typical transect: 0.1 to 0.25 m/sec 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec 5 4 3 2 (1)
Habitat Smothering 8 Primary Score 26	Less than 20% of habitats affected by sand or silt accumulation 20 19 18 17 16	20%-50% of habitats affected by sand or silt accumulation 15 14 13 12 11	Smothering of 50%-80% of the habitats with sand or silt, pools shallow, frequent sediment movement 10 9 (8) 7 6	Smothering of >80% of habitats with sand or silt, as severe problem, pools absent 5 4 3 2 1
Secondary Habitat Components **Artificial Channelization** 3	No artificial channelization or dredging. Stream with normal, sinuous pattern 20 19 18 17 16	May have been channelized in the past (>20 yrs), but mostly recovered, fairly good sinuous pattern 15 14 13 12 11	Channelized, somewhat recovered, but > 80% of area affected 10 9 8 7 6	Artificially channelized, box-cut banks, straight, instream habitat highly altered 5 4 (3) 2 1
Bank Stability Right Bank 9 Left Bank 10	Stable. No evidence of erosion or bank failure. Little potential for future problems. (10) (9)	Moderately stable. Infrequent or small areas of erosion, mostly healed over. 8 7 6	Moderately unstable. Moderate areas of erosion, high erosion potential during floods. 5 4	Unstable. Many (60%-80%) raw, eroded areas. Obvious bank sloughing. 3 2 1
Riparian Buffer Zone Width Right Bank 3 Left Bank 8	Width of native vegetation (least buffered side) greater than 18 m 10 9	Width of native vegetation (least buffered side) 12 to 18 m (8) 7 6	Width of native vegetation 6 to 12 m. human activities still close to system 5 4	Less than 6 m of native buffer zone due to intensive human activities (3) 2 1
Riparian Zone Vegetation Quality Right Bank 4 Left Bank 5 Secondary Score 42	Over 80% of riparian surfaces consist of native plants, including trees, understory shrubs, or non-woody macrophytes. Normal, expected plant community for given sunlight & habitat conditions 10 9	50% to 80% of riparian zone is vegetated, and/or one class of plants normally expected for the sunlight & habitat conditions is not represented. Some disruption in community evident. 8 7 6	25% to 50% of riparian zone is vegetated, and/or one or two expected classes of plants are not represented. Patches of bare soil or closely cropped vegetation, disruption obvious. (5) (4)	Less than 25% of stream bank surfaces are vegetated and/or poor plant community (e.g. grass monoculture or exotics) present. Vegetation removed to stubble height of 2 inches or less 3 2 1

68 TOTAL SCORE

ANALYSIS DATE:	ANALYST:	SIGNATURE:
7/30/02		

DEP-SOP-001/01: Form FD 9000-3 (June 20 2001)

PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STOREY STATION NUMBER: 2B01243	DATE (M/D/Y): 8/28/02	TIME 10:50	RECEIVING BODY OF WATER:
REMARKS:	COUNTY:	LOCATION: PRATT + WHITNEY FYI		FIELD ID/NAME: TEST SITE 2

RIPARIAN ZONE/STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

FOREST/NATURAL	SILVICULTURE	FIELD/PASTURE	AGRICULTURAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER (SPECIFY)
25		10			5	60	

LOCAL WATERSHED EROSION (check box): None ☐ Slight ☐ Moderate ☒ Heavy ☐

LOCAL WATERSHED NPS POLLUTION (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☒

WIDTH OF RIPARIAN VEGETATION (m) On least buffered side: < 2

LIST & MAP DOMINANT VEGETATION ON BACK

ARTIFICIALLY CHANNELIZED ☒ no ☐ recent, ☐ severe ☐ some recovery ☐ mostly recovered

ARTIFICIALLY IMPOUNDED ☐ yes more sinuous

HIGH WATER MARK: 0.1 (m above present water level) + 1.3 (present depth in m) = 1.4 (m above bed)

TYPICAL WIDTH (M) DEPTH (M)/VELOCITY (M/SEC) TRANSECT

m wide

∅ m/s	∅ m/s	∅ m/s
m deep	m deep	m deep

CANOPY COVER %: OPEN: ☒ LIGHTLY SHADED (11-45%): ☐ MODERATELY SHADED (46-80%): ☐ HEAVILY SHADED: ☐

SEDIMENT/SUBSTRATE

SEDIMENT ODORS: NORMAL: ☐ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ ANAEROBIC: ☒ OTHER: ☐

SEDIMENT OILS: ABSENT: ☐ SLIGHT: ☒ MODERATE: ☐ PROFUSE: ☐

SEDIMENT DEPOSITION: SLUDGE: ☒ SAND SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ SILT SMOTHERING: NONE ☐ SLIGHT ☐ MODERATE ☐ SEVERE ☐ OTHER: ☐

SUBSTRATE TYPE	% COVERAGE	# TIMES SAMPLED	METHOD	SUBSTRATE TYPES	% COVERAGE	# TIMES SAMPLED	METHOD
WOODY DEBRIS (SNAGS)				SAND			
LEAF PACKS OR MATS				MUD/MUCK/SILT			
AQUATIC VEGETATION				OTHER:			
ROCK OR SHELL RUBBLE				OTHER:			
UNDERCUT BANKS/ROOTS				DRAW AERIAL VIEW SKETCH OF HABITATS FOUND IN 100 M SECTION			

WATER QUALITY	DEPTH (M):	TEMP. (°C):	PH (SU):	D.O. (MG/L):	COND. (UMHO/CM) OR SALINITY (PPT):			SECCHI (M):
TOP	0.15	27.2	7.05	0.33	362			
MID-DEPTH	0.15	27.1	7.04	0.21	363			
BOTTOM	0.15	27.1	7.03	0.16	360			

SYSTEM TYPE: STREAM: 1ST-2ND ORDER ☐ 3RD-4TH ORDER ☐ 5TH – 6TH ORDER ☐ 7TH ORDER OR GREATER ☐ LAKE: ☐ WETLAND: ☐ ESTUARY: ☐ OTHER: ☑ CANAL

WATER ODORS (CHECK BOX): NORMAL: ☒ SEWAGE: ☐ PETROLEUM: ☐ CHEMICAL: ☐ OTHER: ☐

WATER SURFACE OILS (CHECK BOX): NONE: ☐ SHEEN: ☒ GLOBS: ☐ SLICK: ☐

CLARITY (CHECK BOX): CLEAR: ☐ SLIGHTLY TURBID: ☐ TURBID: ☒ OPAQUE: ☐

COLOR (CHECK BOX): TANNIC: ☒ GREEN (ALGAE) ☐ CLEAR: ☐ OTHER: ☐

WEATHER CONDITIONS/NOTES:
OVERCAST, SLIGHT BREEZE
N 26°53'55.3"
W 80°17'36.0

ABUNDANCE:	ABSENT	RARE	COMMON	ABUNDANT
PERIPHYTON	☐	☐	☐	☒
FISH	☐	☐	☒	☐
AQUATIC MACROPHYTES	☐	☐	☐	☒
IRON/SULFUR BACTERIA	☒	☐	☐	☐

SAMPLING TEAM: JOE JACKSON, TOM FRICK

SIGNATURE: Joe Jackson

DATE: 8/28/02

1.2m 25.9 6.93 0.06 437

DEP-SOP-001/01: Form FD 9000-5 (December 11, 2001)

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (MM/DD/YY): 7/30/02	RECEIVING BODY OF WATER:
REMARKS:	COUNTY: PALM BEACH	LOCATION: PRATT + WHITNEY	FIELD ID/NAME: TEST SITE 2

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 3	Four or more productive habitats present [snags, tree roots/undercut banks, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 (3) 2 1
Substrate Availability 11	Greater than 30% productive habitat present at site 20 19 18 17 16	16% to 30% productive habitat, by aerial extent 15 14 13 12 (11)	6% to 15% productive habitat 10 9 8 7 6	Less than 5% productive habitat 5 4 3 2 1
Water Velocity 1	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec 20 19 18 17 16	Max. observed at typical transect: 0.1 to 0.25 m/sec 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec 5 4 3 2 1
Habitat Smothering 10 Primary Score 25	Less than 20% of habitats affected by sand or silt accumulation 20 19 18 17 16	20%-50% of habitats affected by sand or silt accumulation 15 14 13 12 11	Smothering of 50%-80% of the habitats with sand or silt, pools shallow, frequent sediment movement (10) 9 8 7 6	Smothering of >80% of habitats with sand or silt, as severe problem, pools absent 5 4 3 2 1
Secondary Habitat Components **Artificial Channelization** 3	No artificial channelization or dredging. Stream with normal, sinuous pattern 20 19 18 17 16	May have been channelized in the past (>20 yrs), but mostly recovered, fairly good sinuous pattern 15 14 13 12 11	Channelized, somewhat recovered, but > 80% of area affected 10 9 8 7 6	Artificially channelized, box-cut banks, straight, instream habitat highly altered 5 4 3 2 1
Bank Stability Right Bank 10 Left Bank 10	Stable. No evidence of erosion or bank failure. Little potential for future problems. 10 9	Moderately stable. Infrequent or small areas of erosion, mostly healed over. 8 7 6	Moderately unstable. Moderate areas of erosion, high erosion potential during floods. 5 4	Unstable. Many (60%-80%) raw, eroded areas. Obvious bank sloughing. 3 2 1
Riparian Buffer Zone Width Right Bank 6 Left Bank 8	Width of native vegetation (least buffered side) greater than 18 m 10 9	Width of native vegetation (least buffered side) 12 to 18 m 8 7 6	Width of native vegetation 6 to 12 m, human activities still close to system 5 4	Less than 6 m of native buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank 5 Left Bank 5 Secondary Score 47	Over 80% of riparian surfaces consist of native plants, including trees, understory shrubs, or non-woody macrophytes. Normal, expected plant community for given sunlight & habitat conditions 10 9	50% to 80% of riparian zone is vegetated, and/or one class of plants normally expected for the sunlight & habitat conditions is not represented. Some disruption in community evident. 8 7 6	25% to 50% of riparian zone is vegetated, and/or one or two expected classes of plants are not represented. Patches of bare soil or closely cropped vegetation, disruption obvious. 5 4	Less than 25% of stream bank surfaces are vegetated and/or poor plant community (e.g. grass monoculture or exotics) present. Vegetation removed to stubble height of 2 inches or less 3 2 1

72 **TOTAL SCORE**

ANALYSIS DATE: 7/30/02	ANALYST: Joy A Jackson	SIGNATURE:

Appendix 8

Density (number/cm^2) and taxa list for periphyton collected from glass microscope slides incubated for 28 days at control and Test Sites, August 28, 2002. Density values are rounded to the nearest whole number.

	Control Site 1	Control Site 2	Test Site 1	Test Site 2
Bacillariophyceae:				
Aulacoseira granulata	0	0	1611	0
Cyclotella sp.	2125	0	0	0
Achnanthes sp.	2125	4832	0	0
Achnanthes exigua	2125	0	1611	0
Achnanthes minutissima	2125	11275	0	0
Nitzschia sp.	12748	16107	57985	34361
Nitzschia amphibia	2125	0	3221	0
Nitzschia frustulum	0	1611	1611	2148
Nitzschia gracilis	2125	0	1611	0
Nitzschia palea	2125	4832	37046	42952
Nitzschia serpentiraphe	0	0	1611	0
Cymbellaceae	2125	1611	1611	0
Encyonema silesiacum	2125	0	0	0
Encyonopsis microcephala	2125	0	0	0
Eunotia sp.	206099	370457	1611	0
Eunotia glacialis	6374	1611	0	0
Eunotia incisa	2125	0	0	0
Gomphonema sp.	6374	11275	1611	2148
Gomphonema gracile	2125	0	0	0
Gomphonema parvulum	6374	6443	1611	0
Anomoeoneis sp.	16998	45099	1611	2148
Anomoeoneis vitrea	44619	57985	1611	0
Diploneis sp.	2125	0	0	0
Frustulia sp.	12748	0	0	0
Gyrosigma sp.	2125	0	0	0
Hippodonta hungarica	2125	0	0	0
Navicula cryptocephala	2125	1611	6443	6443
Navicula minima	0	0	3221	0
Navicula pupula	2125	0	0	0
Naviculaceae	8499	1611	1611	0
Neidium sp.	2125	0	0	0
Pinnularia sp.	2125	1611	1611	6443
Stauroneis sp.	0	0	1611	0
Pennales sp.	0	0	1611	0
Stenopterobia sp.	2125	0	0	0
Fragilaria construens	2125	0	0	0
Synedra sp.	19123	20939	0	0
Chlorophyceae:				
Stigeoclonium sp.	0	3221	0	0
Characium sp.	6374	1611	4832	6443
Characium stipitatum	0	1611	0	0
Chlorococcum sp.	2125	0	0	0
Gloeocystis gigas	2125	1611	0	0

Coelastrum microporum	0	0	0	4295
Ankistrodesmus falcatus	0	3221	0	2148
Chlorella sp.	16998	12885	22550	23623
Oocystis sp.	0	0	0	2148
Crucigenia apiculata	0	0	1611	2148
Scenedesmus sp.	0	1611	6443	10738
Scenedesmus arcuatus	0	0	1611	0
Scenedesmus bijuga	4249	0	8053	21476
Scenedesmus quadricauda	10624	0	0	0
Selenastrum sp.	8499	0	9664	0
Selenastrum westii	0	0	16107	8590
Oedogonium sp.	8499	3221	3221	2148
Ulothrix sp.	0	0	1611	0
Chlamydomonas sp.	10624	8053	8053	8590
Closterium parvulum	0	1611	0	0
Cosmarium sp.	2125	0	0	0
Cosmarium excavatum duplo-maius	2125	0	0	0
Hyalotheca dissiliens dissiliens	0	1611	0	0
Pleurotaenium maximum maximum	2125	3221	0	0
Staurastrum sp.	2125	0	0	0
Mougeotia sp.	4249	3221	0	0
Chrysophyceae:				
Dinobryon sertularia	2125	1611	0	0
Cyanophyceaem:				
Chroococcus minutus	0	6443	1611	0
Microcystis sp.	0	0	8053	12885
Aphanothece nidulans	2125	0	0	0
Cyanobium parvum	31871	33824	9664	30066
Cyanobium plancticum	21247	4832	12885	10738
Rhabdogloea sp.	6374	0	1611	0
Anabaena sp.	48869	28992	3221	21476
Lyngbya sp.	4249	0	27382	12885
Oscillatoria sp.	12748	3221	8053	15033
Oscillatoria agardhii	0	0	1611	0
Oscillatoria princeps	0	0	1611	10738
Oscillatoria pseudogeminata	0	0	0	2148
Oscillatoria subbrevis	0	0	4832	0
Spirulina laxa	0	0	1611	0
Euglenophyceae:				
Euglena sp.	0	0	0	2148
Lepocinclis sp.	0	0	0	2148
Phacus sp.	0	0	1611	0
Trachelomonas sp.	2125	0	0	10738
Dinophyceae:				
Glenodinium sp.	0	1611	1611	2148

Appendix 9

Sediment metal results

STATION	Aluminum	Arsenic	Cadmium	Copper	Chromium	Iron	Lead	Nickel	Silver	Zinc	Titanium
CONTROL SITE 1	no data available										
CONTROL 2 REP.1	602	0.59 I	0.051	1.7 U	1.2	1110	3.08	0.76 I	0.024 U	11 I	7.7 J
CONTROL 2 REP.2	433	0.32 I	0.031 I	1.7 U	0.83	710	1.74	0.5 I	0.025 U	7.4 U	5.7 J
CONTROL 2 REP.3	354	0.3 U	0.024 I	1.7 U	0.72 I	592	1.43	0.44 I	0.025 U	7.5 U	5.4 J
TEST SITE 1 REP.1	1670 A	0.9 I	0.087 A	1.7 U	3.64 A	994 A	3.03 A	1.77 A	0.54 A	16 I	8.3 AJ
TEST SITE 1 REP.2	1990	1.02 I	0.086	1.7 U	4.14	1020	3.21	1.99	0.54	11 I	8.9 J
TEST SITE 1 REP.3	2480	0.89 I	0.098	1.7 U	5.39	1280	3.91	2.29	0.57	18 I	10.8 J
TEST SITE 2 REP.1	13400	2.25	0.21	3.5 U	19.4	4200	10.3	6.33	1	12 U	31.3 J
TEST SITE 2 REP.2	7340	1.45	0.2	1.8 I	13	2480	6.82	4.91	1.2	12 U	21.7 J
TEST SITE 2 REP.3	8740	1.82	0.35	2.7 I	16.4	3180	9.47	6.88	2.1	12 U	26.1 J

A - Value is the mean of two or more determinations

I - Value is the minimum practical quantitation limit, and greater than or equal to the minimum detection limit

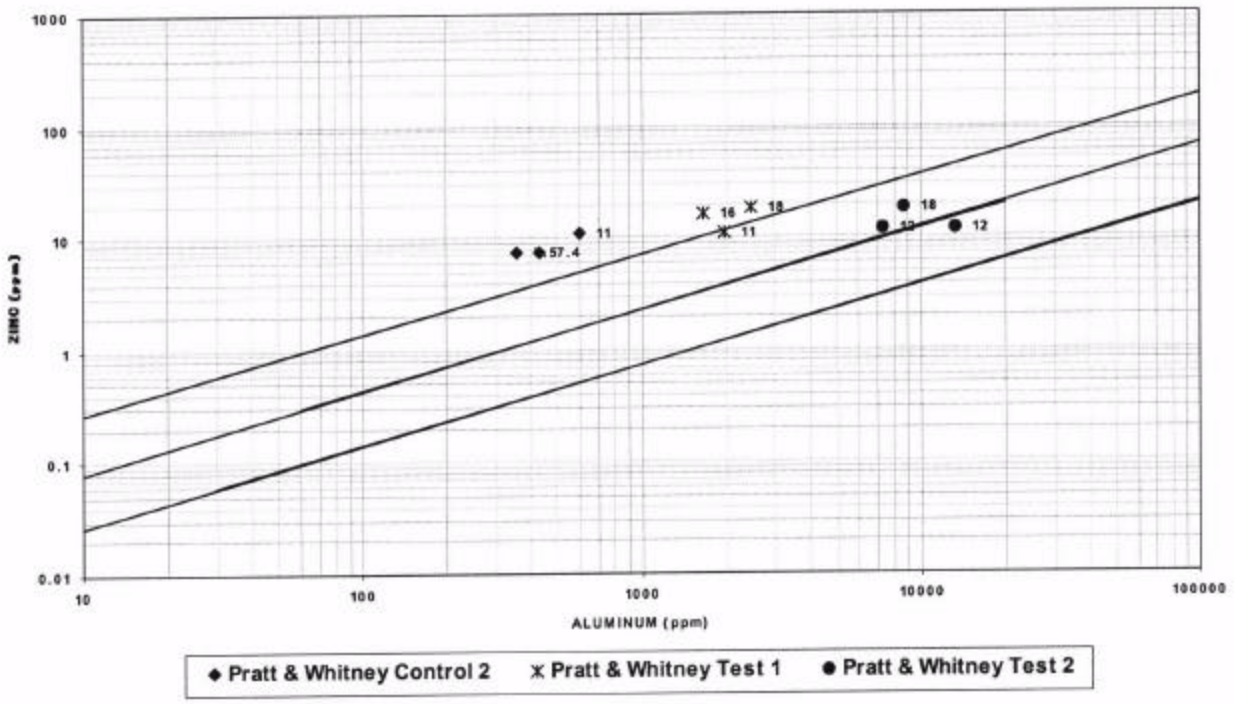
J - Value reported is greater than the 'Probable Effect Level'

U - Material analyzed for but not detected; value reported is the minimum detection limit

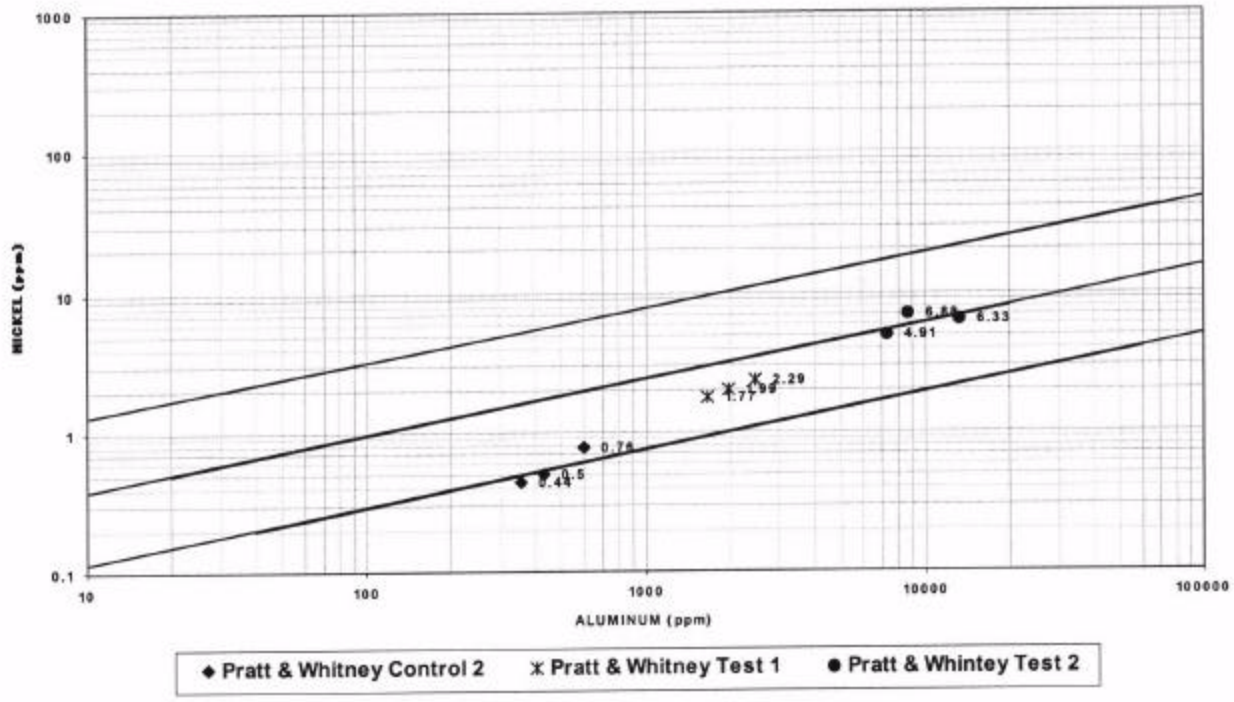
Appendix 10

Sediment metals normalized against aluminum

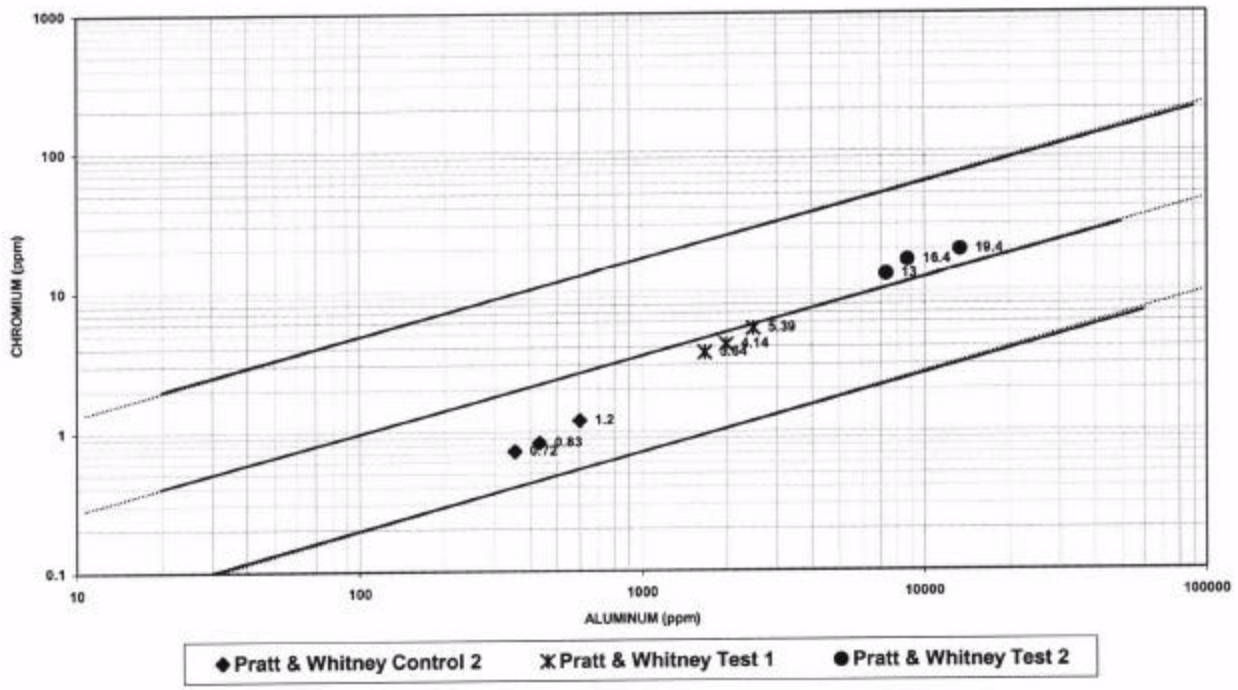
Zinc/Aluminum



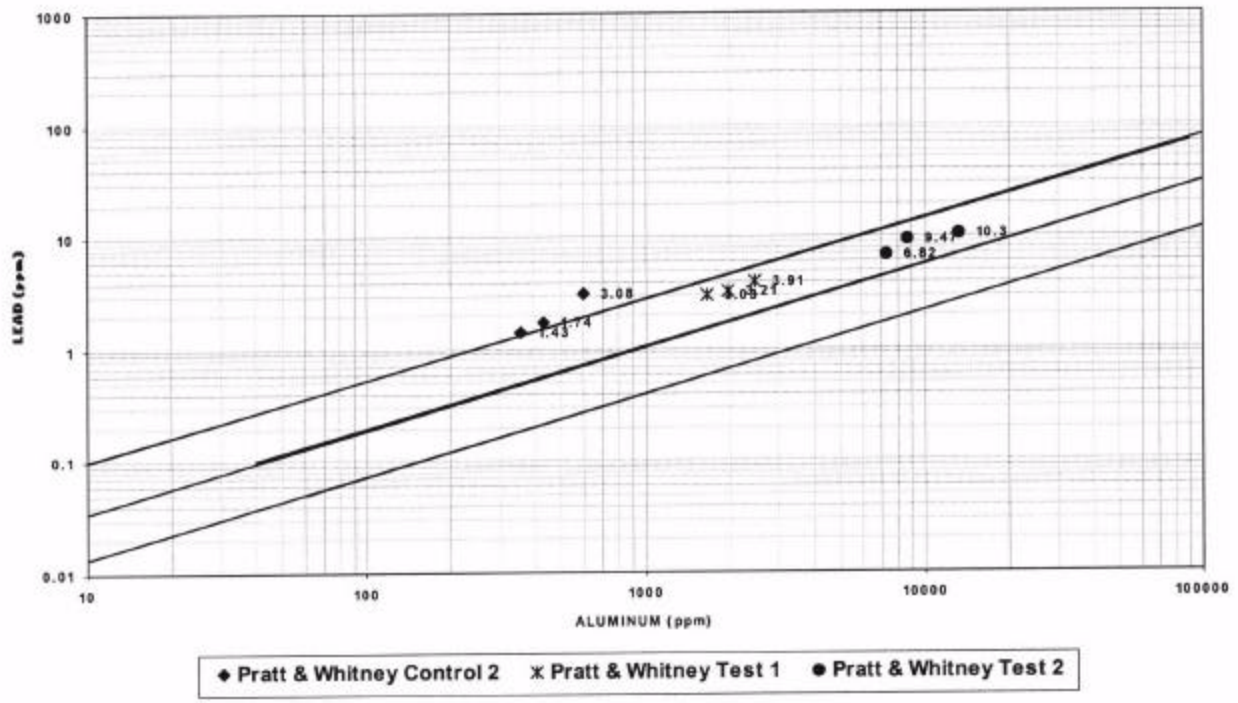
Nickel/Aluminum



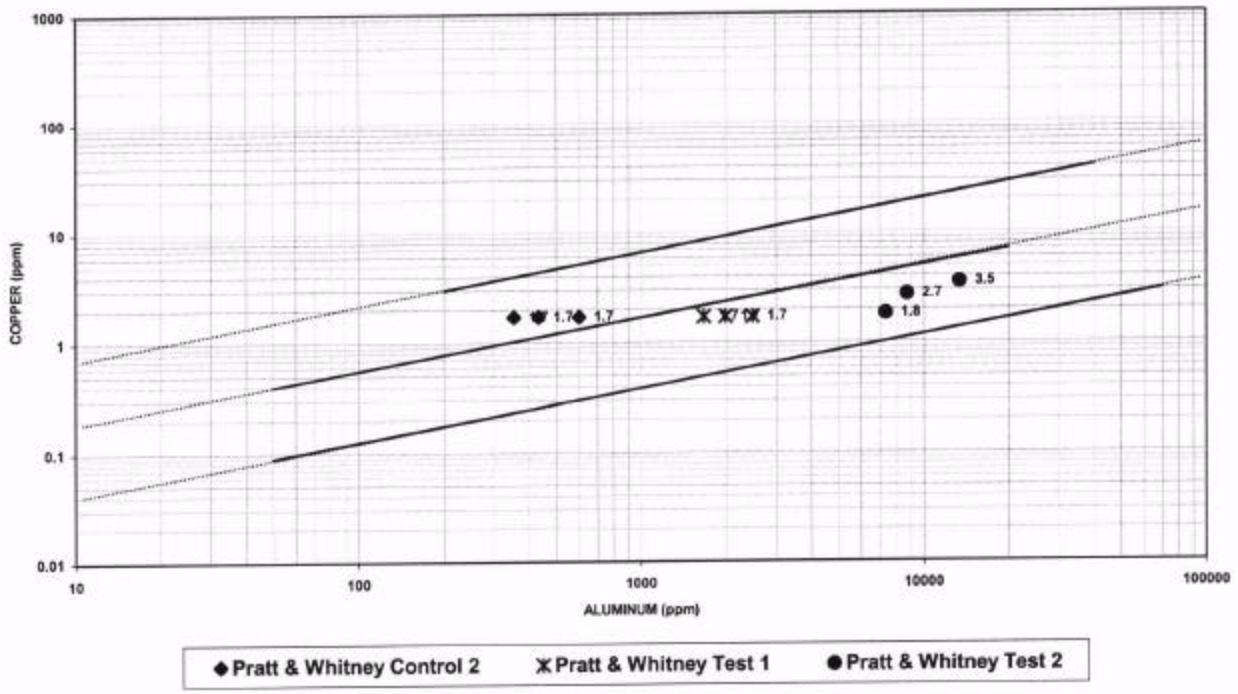
Chromium/Aluminum



Lead/Aluminum

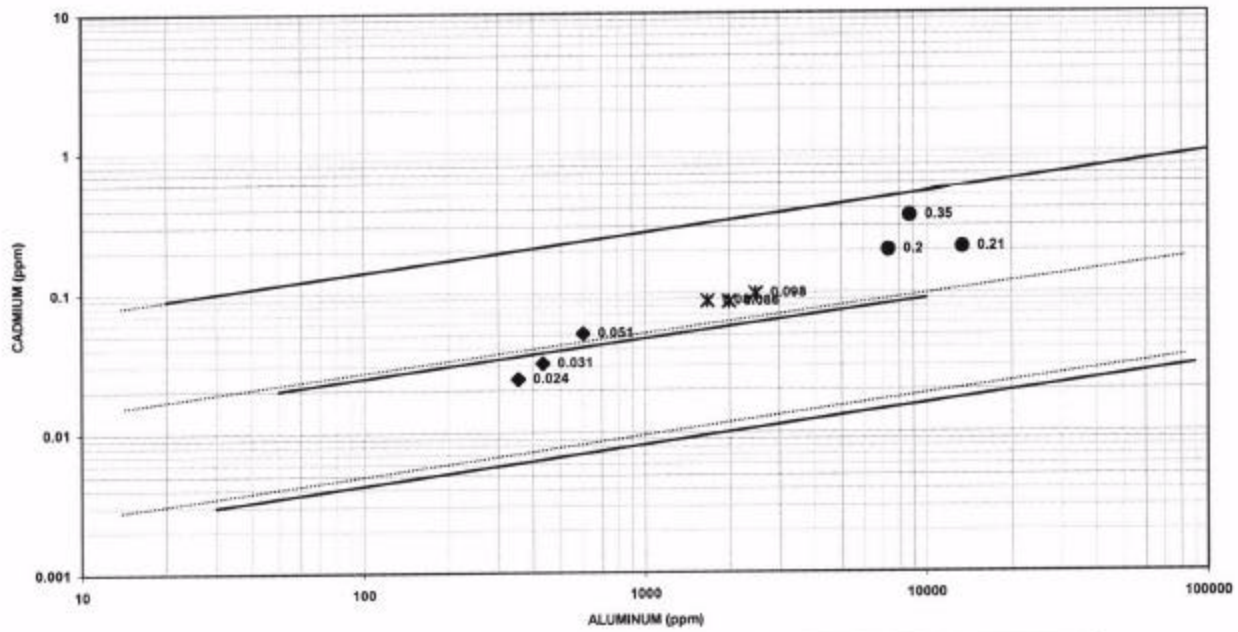


Copper/Aluminum



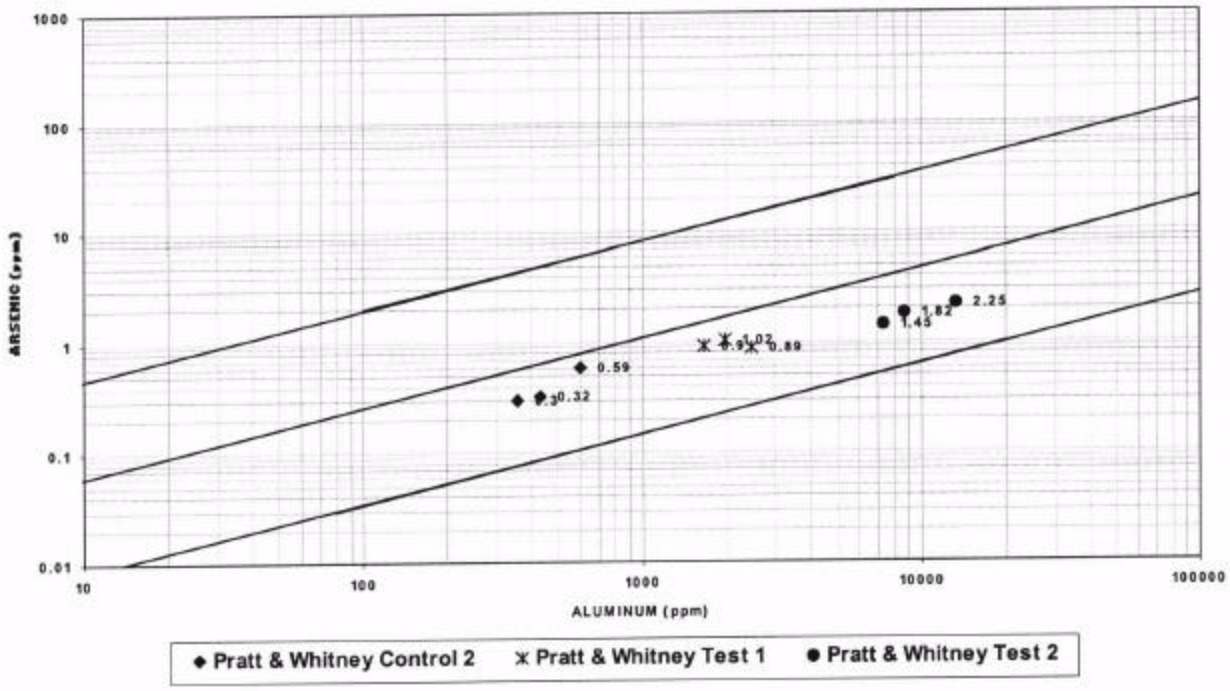
◆ Pratt & Whitney Control 2 ✱ Pratt & Whitney Test 1 ● Pratt & Whitney Test 2

Cadmium/Aluminum



◆ Pratt & Whitney Control 2 ✱ Pratt & Whitney Test 1 ● Pratt & Whitney Test 2

Arsenic/Aluminum



Appendix 11
Chemical analyses of effluent and receiving water

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/26/02	Effluent	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
8/26/02	Effluent	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
8/26/02	Effluent	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/26/02	Effluent	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
8/26/02	Effluent	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
8/26/02	Effluent	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/26/02	Effluent	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
8/26/02	Effluent	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
8/26/02	Effluent	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzidine	95	ug/L	U	95	380
8/26/02	Effluent	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
8/26/02	Effluent	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/26/02	Effluent	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
8/26/02	Effluent	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
8/26/02	Effluent	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/26/02	Effluent	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Methyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
8/26/02	Effluent	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
8/26/02	Effluent	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
8/26/02	Effluent	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
8/26/02	Effluent	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
8/26/02	Effluent	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	Effluent	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
8/26/02	Effluent	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
8/26/02	Effluent	Bio-AGP/LimNut	Algal Growth Potential	5.96	mg DryWt/L		0.1	0.3
8/26/02	Effluent	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
8/26/02	Effluent	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
8/26/02	Effluent	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
8/26/02	Effluent	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
8/26/02	Effluent	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
8/26/02	Effluent	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
8/26/02	Effluent	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
8/26/02	Effluent	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
8/26/02	Effluent	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
8/26/02	Effluent	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
8/26/02	Effluent	GC-Water	Naled	0.76	ug/L	U	0.76	3.04

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/26/02	Effluent	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
8/26/02	Effluent	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
8/26/02	Effluent	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
8/26/02	Effluent	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
8/26/02	Effluent	Mercury-Water	Mercury	0.1	ug/L	U	0.1	0.4
8/26/02	Effluent	Metals-Water	Aluminum	5	ug/L	U	5	20
8/26/02	Effluent	Metals-Water	Arsenic	3	ug/L	U	3	12
8/26/02	Effluent	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/26/02	Effluent	Metals-Water	Calcium	69.5	mg/L	A	0.02	0.08
8/26/02	Effluent	Metals-Water	Chromium	2	ug/L	U	2	8
8/26/02	Effluent	Metals-Water	Copper	2.6	ug/L	U	2	8
8/26/02	Effluent	Metals-Water	Iron	1560	ug/L	A	7	28
8/26/02	Effluent	Metals-Water	Lead	0.11	ug/L	I	0.1	0.4
8/26/02	Effluent	Metals-Water	Magnesium	4	mg/L	A	0.01	0.04
8/26/02	Effluent	Metals-Water	Nickel	2.2	ug/L	I	1.5	6
8/26/02	Effluent	Metals-Water	Selenium	1	ug/L	U	1	4
8/26/02	Effluent	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/26/02	Effluent	Metals-Water	Zinc	2	ug/L	U	2	8
8/26/02	Effluent	Nutrients-Liquid	Ammonia-N	0.34	mg N/L		0.01	0.02
8/26/02	Effluent	Nutrients-Liquid	NO2NO3-N	0.008	mg N/L	IJ	0.004	0.01
8/26/02	Effluent	Nutrients-Liquid	N_KJEL_TOT	1.4	mg N/L		0.06	0.2
8/26/02	Effluent	Nutrients-Liquid	O-Phosphate-P	0.022	mg P/L		0.004	0.01
8/26/02	Effluent	Nutrients-Liquid	TDS	310	mg/L		15	60
8/26/02	Effluent	Nutrients-Liquid	TSS	7	mg/L	I	4	16
8/26/02	Effluent	Nutrients-Liquid	Total-P	0.1	mg P/L		0.015	0.04
8/26/02	Effluent	Overflow	COD	51	mg/L			
8/26/02	Effluent	Overflow	Oil and Grease	0.6	mg/L	I		
8/28/02	CONTROL 1	Bio-AGP/LimNut	Algal Growth Potential	3.15	mg DryWt/L		0.1	0.3
8/28/02	CONTROL 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Periphyton	11	mg/m2	Q	0.44	1.3
8/28/02	CONTROL 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
8/28/02	CONTROL 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Periphyton	0	mg/m2	Q	0.44	1.3
8/28/02	CONTROL 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
8/28/02	CONTROL 1	Bio-Peri/Phyto	Periphyton-Quantitative-# Diatom Taxa	31	#Taxa			
8/28/02	CONTROL 1	Bio-Peri/Phyto	Periphyton-Quantitative-# Wet Taxa	24	#Taxa			
8/28/02	CONTROL 1	Bio-Peri/Phyto	Phytoplankton-Quantitative-# Wet Taxa	19	#Taxa			
8/28/02	CONTROL 1	Bio-Peri/Phyto	Phytoplankton-Quantitative-#Diatom Taxa	11	#Taxa			
8/28/02	CONTROL 1	Metals-Water	Aluminum	42	ug/L		5	20
8/28/02	CONTROL 1	Metals-Water	Arsenic	3	ug/L	U	3	12
8/28/02	CONTROL 1	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/28/02	CONTROL 1	Metals-Water	Calcium	13.8	mg/L		0.02	0.08
8/28/02	CONTROL 1	Metals-Water	Chromium	2	ug/L	U	2	8
8/28/02	CONTROL 1	Metals-Water	Copper	0.75	ug/L	U	0.75	3
8/28/02	CONTROL 1	Metals-Water	Iron	461	ug/L		7	28
8/28/02	CONTROL 1	Metals-Water	Lead	0.28	ug/L	I	0.1	0.4
8/28/02	CONTROL 1	Metals-Water	Magnesium	1.3	mg/L		0.01	0.04
8/28/02	CONTROL 1	Metals-Water	Nickel	1.5	ug/L	U	1.5	6
8/28/02	CONTROL 1	Metals-Water	Selenium	1	ug/L	U	1	4
8/28/02	CONTROL 1	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/28/02	CONTROL 1	Metals-Water	Zinc	2	ug/L	U	2	8
8/28/02	CONTROL 1	Nutrients-Liquid	Ammonia-N	0.05	mg N/L		0.01	0.02
8/28/02	CONTROL 1	Nutrients-Liquid	NO2NO3-N	0.02	mg N/L	UJ	0.02	0.05
8/28/02	CONTROL 1	Nutrients-Liquid	N_KJEL_TOT	1.4	mg N/L		0.06	0.2
8/28/02	CONTROL 1	Nutrients-Liquid	Total-P	0.023	mg P/L	I	0.015	0.04
8/28/02	CONTROL 2	Bio-AGP/LimNut	Algal Growth Potential	0.253	mg DryWt/L	I	0.1	0.3
8/28/02	CONTROL 2	Bio-Chl-a	Chlorophyll-A, Monochromatic, Periphyton	16	mg/m2	AQ	0.38	1.1
8/28/02	CONTROL 2	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
8/28/02	CONTROL 2	Bio-Chl-a	Phaeophytin-A, Monochromatic, Periphyton	0	mg/m2	AQ	0.38	1.1
8/28/02	CONTROL 2	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
8/28/02	CONTROL 2	Bio-Peri/Phyto	Periphyton-Quantitative-# Diatom Taxa	16	#Taxa			
8/28/02	CONTROL 2	Bio-Peri/Phyto	Periphyton-Quantitative-# Wet Taxa	22	#Taxa			
8/28/02	CONTROL 2	Bio-Peri/Phyto	Phytoplankton-Quantitative-# Wet Taxa	20	#Taxa			
8/28/02	CONTROL 2	Bio-Peri/Phyto	Phytoplankton-Quantitative-#Diatom Taxa		#Taxa			
8/28/02	CONTROL 2	Metals-Water	Aluminum	33	ug/L	A	5	20
8/28/02	CONTROL 2	Metals-Water	Arsenic	3	ug/L	U	3	12
8/28/02	CONTROL 2	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/28/02	CONTROL 2	Metals-Water	Calcium	13.2	mg/L		0.02	0.08
8/28/02	CONTROL 2	Metals-Water	Chromium	2	ug/L	U	2	8
8/28/02	CONTROL 2	Metals-Water	Copper	0.75	ug/L	U	0.75	3
8/28/02	CONTROL 2	Metals-Water	Iron	446	ug/L	A	7	28
8/28/02	CONTROL 2	Metals-Water	Lead	0.25	ug/L	I	0.1	0.4
8/28/02	CONTROL 2	Metals-Water	Magnesium	1.3	mg/L	A	0.01	0.04
8/28/02	CONTROL 2	Metals-Water	Nickel	1.5	ug/L	U	1.5	6

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8/28/02	CONTROL 2	Metals-Water	Selenium	1	ug/L	U	1	4
8/28/02	CONTROL 2	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/28/02	CONTROL 2	Metals-Water	Zinc	2	ug/L	U	2	8
8/28/02	CONTROL 2	Nutrients-Liquid	Ammonia-N	0.066	mg N/L		0.01	0.02
8/28/02	CONTROL 2	Nutrients-Liquid	NO2NO3-N	0.02	mg N/L	UJ	0.02	0.05
8/28/02	CONTROL 2	Nutrients-Liquid	N_KJEL_TOT	1.3	mg N/L		0.06	0.2
8/28/02	CONTROL 2	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04
8/28/02	CONTROL 2 REP.1	BNA-Waste	1,2,4-Trichlorobenzene	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	1,2-Dichlorobenzene	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	1,3-Dichlorobenzene	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	1,4-Dichlorobenzene	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,4,6-Trichlorophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,4-Dichlorophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,4-Dimethylphenol	4500	ug/kg	U	4500	18000
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,4-Dinitrophenol	910	ug/kg	U	910	3600
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,4-Dinitrotoluene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2,6-Dinitrotoluene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2-Chloronaphthalene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2-Chlorophenol	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	2-Methyl-4,6-dinitrophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	2-Nitrophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	3,3'-Dichlorobenzidine	9100	ug/kg	U	9100	36000
8/28/02	CONTROL 2 REP.1	BNA-Waste	4,4'-DDD	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4,4'-DDE	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4,4'-DDT	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4-Bromophenyl phenyl ether	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4-Chloro-3-methylphenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4-Chlorophenyl phenyl ether	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	4-Nitrophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Acenaphthene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Acenaphthylene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Aldrin	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Anthracene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzidine	3300	ug/kg	U	3300	13000
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzo(a)anthracene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzo(a)pyrene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzo(b)fluoranthene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzo(g,h,i)perylene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Benzo(k)fluoranthene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Bis(2-chloroethoxy)methane	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Bis(2-chloroethyl)ether	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Bis(2-chloroisopropyl)ether	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Bis(2-ethylhexyl)phthalate	910	ug/kg	U	910	3600
8/28/02	CONTROL 2 REP.1	BNA-Waste	Butyl benzyl phthalate	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Chrysene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Di-n-butyl phthalate	910	ug/kg	U	910	3600
8/28/02	CONTROL 2 REP.1	BNA-Waste	Di-n-octyl phthalate	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Dibenzo(a,h)anthracene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Dieldrin	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Diethyl phthalate	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Dimethyl phthalate	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Endosulfan I	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Endosulfan II	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Endosulfan sulfate	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Endrin	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Endrin aldehyde	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Fluoranthene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Fluorene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Heptachlor	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Heptachlor epoxide	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Hexachlorobenzene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Hexachlorobutadiene	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	Hexachlorocyclopentadiene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Hexachloroethane	450	ug/kg	U	450	1800
8/28/02	CONTROL 2 REP.1	BNA-Waste	Indeno(1,2,3-cd)pyrene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Isophorone	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	N-Nitrosodi-n-propylamine	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	N-Nitrosodimethylamine	910	ug/kg	U	910	3600
8/28/02	CONTROL 2 REP.1	BNA-Waste	N-Nitrosodiphenylamine	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Naphthalene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Nitrobenzene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Pentachlorophenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Phenanthrene	150	ug/kg	U	150	610

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8/28/02	CONTROL 2 REP.1	BNA-Waste	Phenol	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	Pyrene	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	alpha-BHC	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	beta-BHC	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	delta-BHC	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	BNA-Waste	gamma-BHC	150	ug/kg	U	150	610
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1016	25	ug/Kg	U	25	100
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1221	16	ug/Kg	U	16	64
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1232	37	ug/Kg	U	37	148
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1242	25	ug/Kg	U	25	100
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1248	16	ug/Kg	U	16	64
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1254	16	ug/Kg	U	16	64
8/28/02	CONTROL 2 REP.1	GC-Soil	PCB-1260	25	ug/Kg	U	25	100
8/28/02	CONTROL 2 REP.1	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	CONTROL 2 REP.1	Metals-Waste	Aluminum	602	mg/Kg		4.8	19
8/28/02	CONTROL 2 REP.1	Metals-Waste	Arsenic	0.59	mg/Kg	I	0.29	1.1
8/28/02	CONTROL 2 REP.1	Metals-Waste	Cadmium	0.051	mg/Kg		0.012	0.048
8/28/02	CONTROL 2 REP.1	Metals-Waste	Chromium	1.2	mg/Kg		0.19	0.76
8/28/02	CONTROL 2 REP.1	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	6.7
8/28/02	CONTROL 2 REP.1	Metals-Waste	Iron	1110	mg/Kg		2.4	9.6
8/28/02	CONTROL 2 REP.1	Metals-Waste	Lead	3.08	mg/Kg		0.24	0.96
8/28/02	CONTROL 2 REP.1	Metals-Waste	Nickel	0.76	mg/Kg	I	0.19	0.76
8/28/02	CONTROL 2 REP.1	Metals-Waste	Silver	0.024	mg/Kg	U	0.024	0.096
8/28/02	CONTROL 2 REP.1	Metals-Waste	Titanium	7.7	mg/Kg	J	0.096	0.38
8/28/02	CONTROL 2 REP.1	Metals-Waste	Zinc	11	mg/Kg	I	7.2	29
8/28/02	CONTROL 2 REP.2	BNA-Waste	1,2,4-Trichlorobenzene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	1,2-Dichlorobenzene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	1,3-Dichlorobenzene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	1,4-Dichlorobenzene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,4,6-Trichlorophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,4-Dichlorophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,4-Dimethylphenol	3500	ug/kg	U	3500	14000
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,4-Dinitrophenol	710	ug/kg	U	710	2800
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,4-Dinitrotoluene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2,6-Dinitrotoluene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2-Chloronaphthalene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2-Chlorophenol	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	2-Methyl-4,6-dinitrophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	2-Nitrophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	3,3'-Dichlorobenzidine	7100	ug/kg	U	7100	28000
8/28/02	CONTROL 2 REP.2	BNA-Waste	4,4'-DDD	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4,4'-DDE	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4,4'-DDT	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4-Bromophenyl phenyl ether	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4-Chloro-3-methylphenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4-Chlorophenyl phenyl ether	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	4-Nitrophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Acenaphthene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Acenaphthylene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Aldrin	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Anthracene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzidine	2500	ug/kg	U	2500	10000
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzo(a)anthracene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzo(a)pyrene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzo(b)fluoranthene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzo(g,h,i)perylene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Benzo(k)fluoranthene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Bis(2-chloroethoxy)methane	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Bis(2-chloroethyl)ether	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Bis(2-chloroisopropyl)ether	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Bis(2-ethylhexyl)phthalate	710	ug/kg	U	710	2800
8/28/02	CONTROL 2 REP.2	BNA-Waste	Butyl benzyl phthalate	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Chrysene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Di-n-butyl phthalate	710	ug/kg	U	710	2800
8/28/02	CONTROL 2 REP.2	BNA-Waste	Di-n-octyl phthalate	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Dibenzo(a,h)anthracene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Dieldrin	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Diethyl phthalate	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Dimethyl phthalate	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Endosulfan I	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Endosulfan II	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Endosulfan sulfate	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Endrin	120	ug/kg	U	120	470

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	CONTROL 2 REP.2	BNA-Waste	Endrin aldehyde	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Fluoranthene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Fluorene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Heptachlor	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Heptachlor epoxide	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Hexachlorobenzene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	Hexachlorobutadiene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Hexachlorocyclopentadiene	350	ug/kg	U	350	1400
8/28/02	CONTROL 2 REP.2	BNA-Waste	Hexachloroethane	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Indeno(1,2,3-cd)pyrene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Isophorone	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	N-Nitrosodi-n-propylamine	710	ug/kg	U	710	2800
8/28/02	CONTROL 2 REP.2	BNA-Waste	N-Nitrosodimethylamine	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	N-Nitrosodiphenylamine	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Naphthalene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Nitrobenzene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Pentachlorophenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Phenanthrene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Phenol	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	Pyrene	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	alpha-BHC	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	beta-BHC	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	delta-BHC	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	BNA-Waste	gamma-BHC	120	ug/kg	U	120	470
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1016	19	ug/Kg	U	19	76
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1221	13	ug/Kg	U	13	52
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1232	29	ug/Kg	U	29	116
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1242	19	ug/Kg	U	19	76
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1248	13	ug/Kg	U	13	52
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1254	13	ug/Kg	U	13	52
8/28/02	CONTROL 2 REP.2	GC-Soil	PCB-1260	19	ug/Kg	U	19	76
8/28/02	CONTROL 2 REP.2	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	CONTROL 2 REP.2	Metals-Waste	Aluminum	433	mg/Kg		4.9	20
8/28/02	CONTROL 2 REP.2	Metals-Waste	Arsenic	0.32	mg/Kg	I	0.29	1.2
8/28/02	CONTROL 2 REP.2	Metals-Waste	Cadmium	0.031	mg/Kg	I	0.012	0.049
8/28/02	CONTROL 2 REP.2	Metals-Waste	Chromium	0.83	mg/Kg		0.2	0.78
8/28/02	CONTROL 2 REP.2	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	6.9
8/28/02	CONTROL 2 REP.2	Metals-Waste	Iron	710	mg/Kg		2.5	9.8
8/28/02	CONTROL 2 REP.2	Metals-Waste	Lead	1.74	mg/Kg		0.25	0.98
8/28/02	CONTROL 2 REP.2	Metals-Waste	Nickel	0.5	mg/Kg	I	0.2	0.78
8/28/02	CONTROL 2 REP.2	Metals-Waste	Silver	0.025	mg/Kg	U	0.025	0.098
8/28/02	CONTROL 2 REP.2	Metals-Waste	Titanium	5.7	mg/Kg	J	0.098	0.39
8/28/02	CONTROL 2 REP.2	Metals-Waste	Zinc	7.4	mg/Kg	U	7.4	29
8/28/02	CONTROL 2 REP.3	BNA-Waste	1,2,4-Trichlorobenzene	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	1,2-Dichlorobenzene	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	1,3-Dichlorobenzene	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	1,4-Dichlorobenzene	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,4,6-Trichlorophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,4-Dichlorophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,4-Dimethylphenol	3100	ug/kg	U	3100	12000
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,4-Dinitrophenol	620	ug/kg	U	620	2500
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,4-Dinitrotoluene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2,6-Dinitrotoluene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2-Chloronaphthalene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2-Chlorophenol	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	2-Methyl-4,6-dinitrophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	2-Nitrophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	3,3'-Dichlorobenzidine	6200	ug/kg	U	6200	25000
8/28/02	CONTROL 2 REP.3	BNA-Waste	4,4'-DDD	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4,4'-DDE	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4,4'-DDT	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4-Bromophenyl phenyl ether	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4-Chloro-3-methylphenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4-Chlorophenyl phenyl ether	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	4-Nitrophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Acenaphthene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Acenaphthylene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Aldrin	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Anthracene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzidine	2300	ug/kg	U	2300	9000
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzo(a)anthracene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzo(a)pyrene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzo(b)fluoranthene	100	ug/kg	U	100	420

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzo(g,h,i)perylene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Benzo(k)fluoranthene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Bis(2-chloroethoxy)methane	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Bis(2-chloroethyl)ether	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Bis(2-chloroisopropyl)ether	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Bis(2-ethylhexyl)phthalate	620	ug/kg	U	620	2500
8/28/02	CONTROL 2 REP.3	BNA-Waste	Butyl benzyl phthalate	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Chrysene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Di-n-butyl phthalate	620	ug/kg	U	620	2500
8/28/02	CONTROL 2 REP.3	BNA-Waste	Di-n-octyl phthalate	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Dibenzo(a,h)anthracene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Dieldrin	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Diethyl phthalate	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Dimethyl phthalate	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Endosulfan I	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Endosulfan II	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Endosulfan sulfate	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Endrin	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Endrin aldehyde	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Fluoranthene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Fluorene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Heptachlor	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Heptachlor epoxide	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Hexachlorobenzene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Hexachlorobutadiene	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	Hexachlorocyclopentadiene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Hexachloroethane	310	ug/kg	U	310	1200
8/28/02	CONTROL 2 REP.3	BNA-Waste	Indeno(1,2,3-cd)pyrene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Isophorone	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	N-Nitrosodi-n-propylamine	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	N-Nitrosodimethylamine	620	ug/kg	U	620	2500
8/28/02	CONTROL 2 REP.3	BNA-Waste	N-Nitrosodiphenylamine	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Naphthalene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Nitrobenzene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Pentachlorophenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Phenanthrene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Phenol	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	Pyrene	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	alpha-BHC	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	beta-BHC	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	delta-BHC	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	BNA-Waste	gamma-BHC	100	ug/kg	U	100	420
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1016	17	ug/Kg	U	17	68
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1221	11	ug/Kg	U	11	44
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1232	26	ug/Kg	U	26	104
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1242	17	ug/Kg	U	17	68
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1248	11	ug/Kg	U	11	44
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1254	11	ug/Kg	U	11	44
8/28/02	CONTROL 2 REP.3	GC-Soil	PCB-1260	17	ug/Kg	U	17	68
8/28/02	CONTROL 2 REP.3	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	CONTROL 2 REP.3	Metals-Waste	Aluminum	354	mg/Kg		5	20
8/28/02	CONTROL 2 REP.3	Metals-Waste	Arsenic	0.3	mg/Kg	U	0.3	1.2
8/28/02	CONTROL 2 REP.3	Metals-Waste	Cadmium	0.024	mg/Kg	I	0.012	0.05
8/28/02	CONTROL 2 REP.3	Metals-Waste	Chromium	0.72	mg/Kg	I	0.2	0.8
8/28/02	CONTROL 2 REP.3	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	7
8/28/02	CONTROL 2 REP.3	Metals-Waste	Iron	592	mg/Kg		2.5	10
8/28/02	CONTROL 2 REP.3	Metals-Waste	Lead	1.43	mg/Kg		0.25	1
8/28/02	CONTROL 2 REP.3	Metals-Waste	Nickel	0.44	mg/Kg	I	0.2	0.8
8/28/02	CONTROL 2 REP.3	Metals-Waste	Silver	0.025	mg/Kg	U	0.025	0.1
8/28/02	CONTROL 2 REP.3	Metals-Waste	Titanium	5.4	mg/Kg	J	0.1	0.4
8/28/02	CONTROL 2 REP.3	Metals-Waste	Zinc	7.5	mg/Kg	U	7.5	30
8/28/02	TEST SITE 1	Bio-AGP/LimNut	Algal Growth Potential	4.85	mg DryWt/L	A	0.1	0.3
8/28/02	TEST SITE 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Periphyton	17	mg/m2	Q	0.47	1.4
8/28/02	TEST SITE 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	14	ug/L	Q	0.85	2.6
8/28/02	TEST SITE 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Periphyton	0	mg/m2	Q	0.47	1.4
8/28/02	TEST SITE 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0	ug/L	Q	0.85	2.6
8/28/02	TEST SITE 1	Bio-Peri/Phyto	Periphyton-Quantitative-# Diatom Taxa	20	#Taxa			
8/28/02	TEST SITE 1	Bio-Peri/Phyto	Periphyton-Quantitative-# Wet Taxa	25	#Taxa			
8/28/02	TEST SITE 1	Bio-Peri/Phyto	Phytoplankton-Quantitative-# Wet Taxa	17	#Taxa			
8/28/02	TEST SITE 1	Bio-Peri/Phyto	Phytoplankton-Quantitative-#Diatom Taxa		#Taxa			
8/28/02	TEST SITE 1	Nutrients-Liquid	Ammonia-N	0.32	mg N/L		0.01	0.02
8/28/02	TEST SITE 1	Nutrients-Liquid	NO2NO3-N	0.02	mg N/L	UJ	0.02	0.05
8/28/02	TEST SITE 1	Nutrients-Liquid	N_KJEL_TOT	1.4	mg N/L		0.06	0.2
8/28/02	TEST SITE 1	Nutrients-Liquid	Total-P	0.1	mg P/L		0.015	0.04

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 1 REP.1	BNA-Waste	1,2,4-Trichlorobenzene	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	1,2-Dichlorobenzene	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	1,3-Dichlorobenzene	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	1,4-Dichlorobenzene	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,4,6-Trichlorophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,4-Dichlorophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,4-Dimethylphenol	2700	ug/kg	U	2700	11000
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,4-Dinitrophenol	550	ug/kg	U	550	2200
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,4-Dinitrotoluene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2,6-Dinitrotoluene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2-Chloronaphthalene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2-Chlorophenol	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2-Methyl-4,6-dinitrophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	2-Nitrophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	3,3'-Dichlorobenzidine	5500	ug/kg	U	5500	22000
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4,4'-DDD	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4,4'-DDE	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4,4'-DDT	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4-Bromophenyl phenyl ether	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4-Chloro-3-methylphenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4-Chlorophenyl phenyl ether	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	4-Nitrophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Acenaphthene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Acenaphthylene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Aldrin	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Anthracene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzidine	2000	ug/kg	U	2000	7900
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzo(a)anthracene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzo(a)pyrene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzo(b)fluoranthene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzo(g,h,i)perylene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Benzo(k)fluoranthene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Bis(2-chloroethoxy)methane	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Bis(2-chloroethyl)ether	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Bis(2-chloroisopropyl)ether	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Bis(2-ethylhexyl)phthalate	550	ug/kg	U	550	2200
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Butyl benzyl phthalate	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Chrysene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Di-n-butyl phthalate	550	ug/kg	U	550	2200
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Di-n-octyl phthalate	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Dibenzo(a,h)anthracene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Dieldrin	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Diethyl phthalate	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Dimethyl phthalate	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Endosulfan I	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Endosulfan II	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Endosulfan sulfate	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Endrin	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Endrin aldehyde	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Fluoranthene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Fluorene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Heptachlor	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Heptachlor epoxide	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Hexachlorobenzene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Hexachlorobutadiene	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Hexachlorocyclopentadiene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Hexachloroethane	270	ug/kg	U	270	1100
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Indeno(1,2,3-cd)pyrene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Isophorone	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	N-Nitrosodi-n-propylamine	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	N-Nitrosodimethylamine	550	ug/kg	U	550	2200
8/28/02	TEST SITE 1 REP.1	BNA-Waste	N-Nitrosodiphenylamine	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Naphthalene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Nitrobenzene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Pentachlorophenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Phenanthrene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Phenol	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	Pyrene	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	alpha-BHC	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	beta-BHC	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	delta-BHC	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	BNA-Waste	gamma-BHC	91	ug/kg	U	91	370
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1016	15	ug/Kg	U	15	60

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1221	10	ug/Kg	U	10	40
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1232	23	ug/Kg	U	23	92
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1242	15	ug/Kg	U	15	60
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1248	34	ug/Kg	I	10	40
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1254	10	ug/Kg	U	10	40
8/28/02	TEST SITE 1 REP.1	GC-Soil	PCB-1260	15	ug/Kg	U	15	60
8/28/02	TEST SITE 1 REP.1	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Aluminum	1670	mg/Kg	A	4.9	20
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Arsenic	0.9	mg/Kg	I	0.3	1.2
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Cadmium	0.087	mg/Kg	A	0.012	0.05
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Chromium	3.64	mg/Kg	A	0.2	0.79
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	7
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Iron	994	mg/Kg	A	2.5	9.9
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Lead	3.03	mg/Kg	A	0.25	1
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Nickel	1.77	mg/Kg	A	0.2	0.79
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Silver	0.54	mg/Kg	A	0.025	0.1
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Titanium	8.3	mg/Kg	AJ	0.099	0.4
8/28/02	TEST SITE 1 REP.1	Metals-Waste	Zinc	16	mg/Kg	I	7.4	30
8/28/02	TEST SITE 1 REP.2	BNA-Waste	1,2,4-Trichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	1,2-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	1,3-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	1,4-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,4,6-Trichlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,4-Dichlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,4-Dimethylphenol	3000	ug/kg	U	3000	12000
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,4-Dinitrophenol	590	ug/kg	U	590	2400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,4-Dinitrotoluene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2,6-Dinitrotoluene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2-Chloronaphthalene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2-Chlorophenol	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2-Methyl-4,6-dinitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	2-Nitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	3,3'-Dichlorobenzidine	5900	ug/kg	U	5900	24000
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4,4'-DDD	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4,4'-DDE	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4,4'-DDT	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4-Bromophenyl phenyl ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4-Chloro-3-methylphenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4-Chlorophenyl phenyl ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	4-Nitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Acenaphthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Acenaphthylene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Aldrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Anthracene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzidine	2100	ug/kg	U	2100	8600
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzo(a)anthracene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzo(a)pyrene	100	ug/kg	I	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzo(b)fluoranthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzo(g,h,i)perylene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Benzo(k)fluoranthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Bis(2-chloroethoxy)methane	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Bis(2-chloroethyl)ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Bis(2-chloroisopropyl)ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Bis(2-ethylhexyl)phthalate	590	ug/kg	U	590	2400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Butyl benzyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Chrysene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Di-n-butyl phthalate	590	ug/kg	U	590	2400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Di-n-octyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Dibenzo(a,h)anthracene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Dieldrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Diethyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Dimethyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Endosulfan I	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Endosulfan II	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Endosulfan sulfate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Endrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Endrin aldehyde	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Fluoranthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Fluorene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Heptachlor	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Heptachlor epoxide	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Hexachlorobenzene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Hexachlorobutadiene	300	ug/kg	U	300	1200

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Hexachlorocyclopentadiene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Hexachloroethane	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Indeno(1,2,3-cd)pyrene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Isophorone	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	N-Nitrosodi-n-propylamine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	N-Nitrosodimethylamine	590	ug/kg	U	590	2400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	N-Nitrosodiphenylamine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Naphthalene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Nitrobenzene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Pentachlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Phenanthrene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Phenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	Pyrene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	alpha-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	beta-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	delta-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	BNA-Waste	gamma-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1016	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1221	11	ug/Kg	U	11	44
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1232	24	ug/Kg	U	24	96
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1242	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1248	46	ug/Kg		11	44
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1254	11	ug/Kg	U	11	44
8/28/02	TEST SITE 1 REP.2	GC-Soil	PCB-1260	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.2	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Aluminum	1990	mg/Kg		4.9	20
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Arsenic	1.02	mg/Kg	I	0.29	1.2
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Cadmium	0.086	mg/Kg		0.012	0.049
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Chromium	4.14	mg/Kg		0.2	0.78
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	6.8
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Iron	1020	mg/Kg		2.4	9.8
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Lead	3.21	mg/Kg		0.24	0.98
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Nickel	1.99	mg/Kg		0.2	0.78
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Silver	0.54	mg/Kg		0.024	0.098
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Titanium	8.9	mg/Kg	J	0.098	0.39
8/28/02	TEST SITE 1 REP.2	Metals-Waste	Zinc	11	mg/Kg	I	7.3	29
8/28/02	TEST SITE 1 REP.3	BNA-Waste	1,2,4-Trichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	1,2-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	1,3-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	1,4-Dichlorobenzene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,4,6-Trichlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,4-Dichlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,4-Dimethylphenol	3000	ug/kg	U	3000	12000
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,4-Dinitrophenol	600	ug/kg	U	600	2400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,4-Dinitrotoluene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2,6-Dinitrotoluene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2-Chloronaphthalene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2-Chlorophenol	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2-Methyl-4,6-dinitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	2-Nitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	3,3'-Dichlorobenzidine	6000	ug/kg	U	6000	24000
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4,4'-DDD	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4,4'-DDE	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4,4'-DDT	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4-Bromophenyl phenyl ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4-Chloro-3-methylphenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4-Chlorophenyl phenyl ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	4-Nitrophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Acenaphthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Acenaphthylene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Aldrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Anthracene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzidine	2200	ug/kg	U	2200	8600
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzo(a)anthracene	190	ug/kg	I	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzo(a)pyrene	170	ug/kg	I	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzo(b)fluoranthene	270	ug/kg	I	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzo(g,h,i)perylene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Benzo(k)fluoranthene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Bis(2-chloroethoxy)methane	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Bis(2-chloroethyl)ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Bis(2-chloroisopropyl)ether	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Bis(2-ethylhexyl)phthalate	600	ug/kg	U	600	2400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Butyl benzyl phthalate	99	ug/kg	U	99	400

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Chrysene	220	ug/kg	I	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Di-n-butyl phthalate	600	ug/kg	U	600	2400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Di-n-octyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Dibenzo(a,h)anthracene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Dieldrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Diethyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Dimethyl phthalate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Endosulfan I	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Endosulfan II	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Endosulfan sulfate	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Endrin	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Endrin aldehyde	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Fluoranthene	500	ug/kg		99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Fluorene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Heptachlor	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Heptachlor epoxide	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Hexachlorobenzene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Hexachlorobutadiene	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Hexachlorocyclopentadiene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Hexachloroethane	300	ug/kg	U	300	1200
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Indeno(1,2,3-cd)pyrene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Isophorone	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	N-Nitrosodi-n-propylamine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	N-Nitrosodimethylamine	600	ug/kg	U	600	2400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	N-Nitrosodiphenylamine	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Naphthalene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Nitrobenzene	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Pentachlorophenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Phenanthrene	430	ug/kg		99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Phenol	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	Pyrene	430	ug/kg		99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	alpha-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	beta-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	delta-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	BNA-Waste	gamma-BHC	99	ug/kg	U	99	400
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1016	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1221	11	ug/Kg	U	11	44
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1232	25	ug/Kg	U	25	100
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1242	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1248	42	ug/Kg	I	11	44
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1254	11	ug/Kg	U	11	44
8/28/02	TEST SITE 1 REP.3	GC-Soil	PCB-1260	16	ug/Kg	U	16	64
8/28/02	TEST SITE 1 REP.3	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Aluminum	2480	mg/Kg		4.9	19
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Arsenic	0.89	mg/Kg	I	0.29	1.2
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Cadmium	0.098	mg/Kg		0.012	0.049
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Chromium	5.39	mg/Kg		0.19	0.78
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Copper	1.7	mg/Kg	U	1.7	6.8
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Iron	1280	mg/Kg		2.4	9.7
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Lead	3.91	mg/Kg		0.24	0.97
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Nickel	2.29	mg/Kg		0.19	0.78
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Silver	0.57	mg/Kg		0.024	0.097
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Titanium	10.8	mg/Kg	J	0.097	0.39
8/28/02	TEST SITE 1 REP.3	Metals-Waste	Zinc	18	mg/Kg	I	7.3	29
8/28/02	TEST SITE 2	Bio-AGP/LimNut	Algal Growth Potential	12.5	mg DryWt/L		0.1	0.3
8/28/02	TEST SITE 2	Bio-Chl-a	Chlorophyll-A, Monochromatic, Periphyton	23	mg/m2	Q	0.84	2.5
8/28/02	TEST SITE 2	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	61	ug/L	Q	1.7	5.1
8/28/02	TEST SITE 2	Bio-Chl-a	Phaeophytin-A, Monochromatic, Periphyton	0	mg/m2	Q	0.84	2.5
8/28/02	TEST SITE 2	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0	ug/L	Q	1.7	5.1
8/28/02	TEST SITE 2	Bio-Peri/Phyto	Periphyton-Quantitative-# Diatom Taxa	7	#Taxa			
8/28/02	TEST SITE 2	Bio-Peri/Phyto	Periphyton-Quantitative-# Wet Taxa	23	#Taxa			
8/28/02	TEST SITE 2	Bio-Peri/Phyto	Phytoplankton-Quantitative-# Wet Taxa	18	#Taxa			
8/28/02	TEST SITE 2	Bio-Peri/Phyto	Phytoplankton-Quantitative-#Diatom Taxa		#Taxa			
8/28/02	TEST SITE 2	Nutrients-Liquid	Ammonia-N	0.31	mg N/L		0.01	0.02
8/28/02	TEST SITE 2	Nutrients-Liquid	NO2NO3-N	0.02	mg N/L	UJ	0.02	0.05
8/28/02	TEST SITE 2	Nutrients-Liquid	N_KJEL_TOT	1.5	mg N/L		0.06	0.2
8/28/02	TEST SITE 2	Nutrients-Liquid	Total-P	0.12	mg P/L		0.015	0.04
8/28/02	TEST SITE 2 REP.1	BNA-Waste	1,2,4-Trichlorobenzene	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	1,2-Dichlorobenzene	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	1,3-Dichlorobenzene	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	1,4-Dichlorobenzene	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,4,6-Trichlorophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,4-Dichlorophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,4-Dimethylphenol	3600	ug/kg	U	3600	14000

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,4-Dinitrophenol	710	ug/kg	U	710	2800
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,4-Dinitrotoluene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2,6-Dinitrotoluene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2-Chloronaphthalene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2-Chlorophenol	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2-Methyl-4,6-dinitrophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	2-Nitrophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	3,3'-Dichlorobenzidine	7100	ug/kg	U	7100	28000
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4,4'-DDD	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4,4'-DDE	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4,4'-DDT	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4-Bromophenyl phenyl ether	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4-Chloro-3-methylphenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4-Chlorophenyl phenyl ether	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	4-Nitrophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Acenaphthene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Acenaphthylene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Aldrin	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Anthracene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzidine	2600	ug/kg	U	2600	10000
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzo(a)anthracene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzo(a)pyrene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzo(b)fluoranthene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzo(g,h,i)perylene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Benzo(k)fluoranthene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Bis(2-chloroethoxy)methane	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Bis(2-chloroethyl)ether	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Bis(2-chloroisopropyl)ether	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Bis(2-ethylhexyl)phthalate	710	ug/kg	U	710	2800
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Butyl benzyl phthalate	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Chrysene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Di-n-butyl phthalate	710	ug/kg	U	710	2800
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Di-n-octyl phthalate	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Dibenzo(a,h)anthracene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Dieldrin	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Diethyl phthalate	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Dimethyl phthalate	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Endosulfan I	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Endosulfan II	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Endosulfan sulfate	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Endrin	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Endrin aldehyde	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Fluoranthene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Fluorene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Heptachlor	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Heptachlor epoxide	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Hexachlorobenzene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Hexachlorobutadiene	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Hexachlorocyclopentadiene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Hexachloroethane	360	ug/kg	U	360	1400
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Indeno(1,2,3-cd)pyrene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Isophorone	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	N-Nitrosodi-n-propylamine	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	N-Nitrosodimethylamine	710	ug/kg	U	710	2800
8/28/02	TEST SITE 2 REP.1	BNA-Waste	N-Nitrosodiphenylamine	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Naphthalene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Nitrobenzene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Pentachlorophenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Phenanthrene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Phenol	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	Pyrene	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	alpha-BHC	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	beta-BHC	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	delta-BHC	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	BNA-Waste	gamma-BHC	120	ug/kg	U	120	470
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1016	20	ug/Kg	U	20	80
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1221	13	ug/Kg	U	13	52
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1232	29	ug/Kg	U	29	116
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1242	20	ug/Kg	U	20	80
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1248	31	ug/Kg	I	13	52
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1254	13	ug/Kg	U	13	52
8/28/02	TEST SITE 2 REP.1	GC-Soil	PCB-1260	36	ug/Kg	I	20	80
8/28/02	TEST SITE 2 REP.1	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Aluminum	13400	mg/Kg		25	100
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Arsenic	2.25	mg/Kg		0.3	1.2
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Cadmium	0.21	mg/Kg		0.012	0.05
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Chromium	19.4	mg/Kg		0.2	0.8
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Copper	3.5	mg/Kg	U	3.5	14
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Iron	4200	mg/Kg		2.5	10
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Lead	10.3	mg/Kg		0.25	1
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Nickel	6.33	mg/Kg		0.2	0.8
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Silver	1	mg/Kg		0.025	0.1
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Titanium	31.3	mg/Kg	J	0.1	0.4
8/28/02	TEST SITE 2 REP.1	Metals-Waste	Zinc	12	mg/Kg	I	8	30
8/28/02	TEST SITE 2 REP.2	BNA-Waste	1,2,4-Trichlorobenzene	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	1,2-Dichlorobenzene	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	1,3-Dichlorobenzene	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	1,4-Dichlorobenzene	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,4,6-Trichlorophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,4-Dichlorophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,4-Dimethylphenol	2900	ug/kg	U	2900	12000
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,4-Dinitrophenol	590	ug/kg	U	590	2300
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,4-Dinitrotoluene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2,6-Dinitrotoluene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2-Chloronaphthalene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2-Chlorophenol	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2-Methyl-4,6-dinitrophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	2-Nitrophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	3,3'-Dichlorobenzidine	5900	ug/kg	U	5900	23000
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4,4'-DDD	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4,4'-DDE	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4,4'-DDT	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4-Bromophenyl phenyl ether	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4-Chloro-3-methylphenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4-Chlorophenyl phenyl ether	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	4-Nitrophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Acenaphthene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Acenaphthylene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Aldrin	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Anthracene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzidine	2100	ug/kg	U	2100	8500
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzo(a)anthracene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzo(a)pyrene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzo(b)fluoranthene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzo(g,h,i)perylene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Benzo(k)fluoranthene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Bis(2-chloroethoxy)methane	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Bis(2-chloroethyl)ether	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Bis(2-chloroisopropyl)ether	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Bis(2-ethylhexyl)phthalate	590	ug/kg	U	590	2300
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Butyl benzyl phthalate	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Chrysene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Di-n-butyl phthalate	590	ug/kg	U	590	2300
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Di-n-octyl phthalate	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Dibenzo(a,h)anthracene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Dieldrin	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Diethyl phthalate	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Dimethyl phthalate	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Endosulfan I	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Endosulfan II	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Endosulfan sulfate	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Endrin	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Endrin aldehyde	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Fluoranthene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Fluorene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Heptachlor	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Heptachlor epoxide	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Hexachlorobenzene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Hexachlorobutadiene	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Hexachlorocyclopentadiene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Hexachloroethane	290	ug/kg	U	290	1200
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Indeno(1,2,3-cd)pyrene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Isophorone	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	N-Nitrosodi-n-propylamine	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	N-Nitrosodimethylamine	590	ug/kg	U	590	2300
8/28/02	TEST SITE 2 REP.2	BNA-Waste	N-Nitrosodiphenylamine	98	ug/kg	U	98	390

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Naphthalene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Nitrobenzene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Pentachlorophenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Phenanthrene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Phenol	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	Pyrene	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	alpha-BHC	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	beta-BHC	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	delta-BHC	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	BNA-Waste	gamma-BHC	98	ug/kg	U	98	390
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1016	16	ug/Kg	U	16	64
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1221	11	ug/Kg	U	11	44
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1232	24	ug/Kg	U	24	96
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1242	16	ug/Kg	U	16	64
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1248	38	ug/Kg	I	11	44
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1254	11	ug/Kg	U	11	44
8/28/02	TEST SITE 2 REP.2	GC-Soil	PCB-1260	17	ug/Kg	I	16	64
8/28/02	TEST SITE 2 REP.2	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Aluminum	7340	mg/Kg		9.5	38
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Arsenic	1.45	mg/Kg		0.29	1.1
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Cadmium	0.2	mg/Kg		0.012	0.048
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Chromium	13	mg/Kg		0.19	0.76
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Copper	1.8	mg/Kg	I	1.7	6.7
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Iron	2480	mg/Kg		2.4	9.5
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Lead	6.82	mg/Kg		0.24	0.95
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Nickel	4.91	mg/Kg		0.19	0.76
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Silver	1.2	mg/Kg		0.024	0.095
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Titanium	21.7	mg/Kg	J	0.095	0.38
8/28/02	TEST SITE 2 REP.2	Metals-Waste	Zinc	12	mg/Kg	I	7.1	29
8/28/02	TEST SITE 2 REP.3	BNA-Waste	1,2,4-Trichlorobenzene	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	1,2-Dichlorobenzene	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	1,3-Dichlorobenzene	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	1,4-Dichlorobenzene	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,4,6-Trichlorophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,4-Dichlorophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,4-Dimethylphenol	3800	ug/kg	U	3800	15000
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,4-Dinitrophenol	770	ug/kg	U	770	3100
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,4-Dinitrotoluene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2,6-Dinitrotoluene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2-Chloronaphthalene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2-Chlorophenol	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2-Methyl-4,6-dinitrophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	2-Nitrophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	3,3'-Dichlorobenzidine	7700	ug/kg	U	7700	31000
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4,4'-DDD	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4,4'-DDE	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4,4'-DDT	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4-Bromophenyl phenyl ether	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4-Chloro-3-methylphenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4-Chlorophenyl phenyl ether	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	4-Nitrophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Acenaphthene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Acenaphthylene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Aldrin	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Anthracene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzidine	2800	ug/kg	U	2800	11000
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzo(a)anthracene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzo(a)pyrene	190	ug/kg	I	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzo(b)fluoranthene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzo(g,h,i)perylene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Benzo(k)fluoranthene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Bis(2-chloroethoxy)methane	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Bis(2-chloroethyl)ether	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Bis(2-chloroisopropyl)ether	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Bis(2-ethylhexyl)phthalate	770	ug/kg	U	770	3100
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Butyl benzyl phthalate	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Chrysene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Di-n-butyl phthalate	770	ug/kg	U	770	3100
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Di-n-octyl phthalate	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Dibenzo(a,h)anthracene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Dieldrin	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Diethyl phthalate	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Dimethyl phthalate	130	ug/kg	U	130	510

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Endosulfan I	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Endosulfan II	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Endosulfan sulfate	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Endrin	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Endrin aldehyde	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Fluoranthene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Fluorene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Heptachlor	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Heptachlor epoxide	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Hexachlorobenzene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Hexachlorobutadiene	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Hexachlorocyclopentadiene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Hexachloroethane	380	ug/kg	U	380	1500
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Indeno(1,2,3-cd)pyrene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Isophorone	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	N-Nitrosodi-n-propylamine	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	N-Nitrosodimethylamine	770	ug/kg	U	770	3100
8/28/02	TEST SITE 2 REP.3	BNA-Waste	N-Nitrosodiphenylamine	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Naphthalene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Nitrobenzene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Pentachlorophenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Phenanthrene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Phenol	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	Pyrene	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	alpha-BHC	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	beta-BHC	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	delta-BHC	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	BNA-Waste	gamma-BHC	130	ug/kg	U	130	510
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1016	21	ug/Kg	U	21	84
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1221	14	ug/Kg	U	14	56
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1232	32	ug/Kg	U	32	128
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1242	21	ug/Kg	U	21	84
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1248	89	ug/Kg		14	56
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1254	14	ug/Kg	U	14	56
8/28/02	TEST SITE 2 REP.3	GC-Soil	PCB-1260	30	ug/Kg	I	21	84
8/28/02	TEST SITE 2 REP.3	Mercury-Waste	Mercury	0.0012	mg/L	U	0.0012	0.005
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Aluminum	8740	mg/Kg		9.8	39
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Arsenic	1.82	mg/Kg		0.29	1.2
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Cadmium	0.35	mg/Kg		0.012	0.049
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Chromium	16.4	mg/Kg		0.2	0.78
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Copper	2.7	mg/Kg	I	1.7	6.8
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Iron	3180	mg/Kg		2.4	9.8
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Lead	9.47	mg/Kg		0.24	0.98
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Nickel	6.88	mg/Kg		0.2	0.78
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Silver	2.1	mg/Kg		0.024	0.098
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Titanium	26.1	mg/Kg	J	0.098	0.39
8/28/02	TEST SITE 2 REP.3	Metals-Waste	Zinc	18	mg/Kg	I	7.3	29
8/26/02	BLANK	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
8/26/02	BLANK	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
8/26/02	BLANK	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/26/02	BLANK	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
8/26/02	BLANK	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
8/26/02	BLANK	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/26/02	BLANK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/26/02	BLANK	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
8/26/02	BLANK	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
8/26/02	BLANK	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzidine	95	ug/L	U	95	380
8/26/02	BLANK	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
8/26/02	BLANK	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/26/02	BLANK	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
8/26/02	BLANK	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
8/26/02	BLANK	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Methyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/26/02	BLANK	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
8/26/02	BLANK	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
8/26/02	BLANK	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
8/26/02	BLANK	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
8/26/02	BLANK	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
8/26/02	BLANK	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
8/26/02	BLANK	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
8/26/02	BLANK	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
8/26/02	BLANK	GC-Water	Alachlor	0.59	ug/L	U	0.59	2.36
8/26/02	BLANK	GC-Water	Ametryn	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Atrazine	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Azinphos Methyl	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
8/26/02	BLANK	GC-Water	Butylate	0.2	ug/L	U	0.2	0.8
8/26/02	BLANK	GC-Water	Chlorpyrifos Ethyl	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Chlorpyrifos Methyl	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Diazinon	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Ethion	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Ethoprop	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
8/26/02	BLANK	GC-Water	Fonofos	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Hexazinone	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
8/26/02	BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
8/26/02	BLANK	GC-Water	Metolachlor	0.49	ug/L	U	0.49	1.96
8/26/02	BLANK	GC-Water	Metribuzin	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Mevinphos	0.2	ug/L	U	0.2	0.8
8/26/02	BLANK	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
8/26/02	BLANK	GC-Water	Norflurazon	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
8/26/02	BLANK	GC-Water	Parathion Methyl	0.098	ug/L	U	0.098	0.392
8/26/02	BLANK	GC-Water	Phorate	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.6
8/26/02	BLANK	GC-Water	Simazine	0.049	ug/L	U	0.049	0.196
8/26/02	BLANK	Mercury-Water	Mercury	0.1	ug/L	U	0.1	0.4
8/26/02	BLANK	Metals-Water	Aluminum	5	ug/L	U	5	20
8/26/02	BLANK	Metals-Water	Arsenic	3	ug/L	U	3	12
8/26/02	BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/26/02	BLANK	Metals-Water	Calcium	0.02	mg/L	U	0.02	0.08
8/26/02	BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
8/26/02	BLANK	Metals-Water	Copper	2.6	ug/L	U	2	8
8/26/02	BLANK	Metals-Water	Iron	7	ug/L	U	7	28
8/26/02	BLANK	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
8/26/02	BLANK	Metals-Water	Magnesium	0.01	mg/L	U	0.01	0.04
8/26/02	BLANK	Metals-Water	Nickel	1.5	ug/L	U	1.5	6
8/26/02	BLANK	Metals-Water	Selenium	1	ug/L	U	1	4
8/26/02	BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/26/02	BLANK	Metals-Water	Zinc	2	ug/L	U	2	8
8/26/02	BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	UY	0.01	0.02
8/26/02	BLANK	Nutrients-Liquid	NO2NO3-N		mg N/L	O	0.004	0.01
8/26/02	BLANK	Nutrients-Liquid	N_KJEL_TOT		mg N/L	O		
8/26/02	BLANK	Nutrients-Liquid	O-Phosphate-P	0.007	mg P/L	I	0.004	0.01
8/26/02	BLANK	Nutrients-Liquid	TDS	15	mg/L	U	15	60
8/26/02	BLANK	Nutrients-Liquid	TSS	4	mg/L	U	4	16
8/26/02	BLANK	Nutrients-Liquid	Total-P	0.015	mg P/L	UY	0.015	0.04
8/26/02	BLANK	Overflow	COD	9.6	mg/L	U		
8/26/02	BLANK	Overflow	Oil and Grease	0.55	mg/L	U		
8/28/02	BLANK	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15

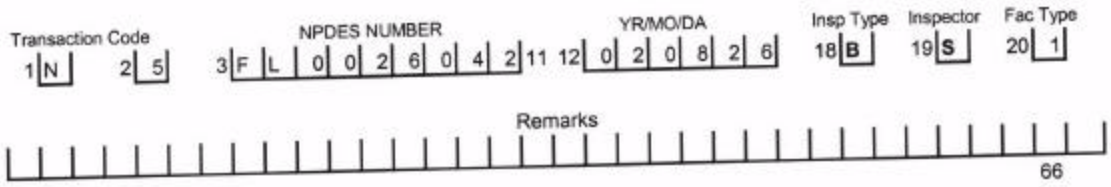
Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	BLANK	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	77
8/28/02	BLANK	BNA-Water	1-Naphthylamine	9.6	ug/L	U	9.6	38
8/28/02	BLANK	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	2,4,5-Trichlorophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/28/02	BLANK	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	58
8/28/02	BLANK	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2,6-Dichlorophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Acetylaminofluorene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	2-Methylnaphthalene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Naphthylamine	9.6	ug/L	U	9.6	38
8/28/02	BLANK	BNA-Water	2-Nitroaniline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	2-Picoline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/28/02	BLANK	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	77
8/28/02	BLANK	BNA-Water	3-Methylcholanthrene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	3-Nitroaniline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	4-Chloroaniline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	4-Nitroaniline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
8/28/02	BLANK	BNA-Water	5-Nitro-o-toluidine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Acetophenone	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Aniline	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzidine	96	ug/L	U	96	380
8/28/02	BLANK	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Benzyl alcohol	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	58
8/28/02	BLANK	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/28/02	BLANK	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Di-n-butyl phthalate	19	ug/L	I	4.8	19
8/28/02	BLANK	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Dibenzofuran	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
8/28/02	BLANK	BNA-Water	Dimethylaminoazobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	BLANK	BNA-Water	Ethyl methanesulfonate	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Isosafrole	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	Methyl methanesulfonate	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	N-Nitrosodi-n-butylamine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	N-Nitrosodiethylamine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	N-Nitrosomorpholine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	N-Nitrosopiperidine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	77
8/28/02	BLANK	BNA-Water	Pentachlorobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
8/28/02	BLANK	BNA-Water	Pentachloronitrobenzene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
8/28/02	BLANK	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	12
8/28/02	BLANK	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Phenol	2.7	ug/L	I	0.96	3.8
8/28/02	BLANK	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
8/28/02	BLANK	BNA-Water	Safrole	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8
8/28/02	BLANK	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.7
8/28/02	BLANK	BNA-Water	o-Toluidine	0.96	ug/L	U	0.96	3.8
8/28/02	BLANK	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
8/28/02	BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
8/28/02	BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
8/28/02	BLANK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
8/28/02	BLANK	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
8/28/02	BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
8/28/02	BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
8/28/02	BLANK	GC-Water	Metribuzin	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
8/28/02	BLANK	GC-Water	Naled	0.77	ug/L	U	0.77	3.08
8/28/02	BLANK	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
8/28/02	BLANK	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.384
8/28/02	BLANK	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
8/28/02	BLANK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
8/28/02	BLANK	Mercury-Water	Mercury	0.1	ug/L	U	0.1	0.4
8/28/02	BLANK	Metals-Water	Aluminum	5	ug/L	U	5	20
8/28/02	BLANK	Metals-Water	Arsenic	3	ug/L	U	3	12
8/28/02	BLANK	Metals-Water	Cadmium	0.026	ug/L	I	0.025	0.1

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/28/02	BLANK	Metals-Water	Calcium	0.021	mg/L	I	0.02	0.08
8/28/02	BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
8/28/02	BLANK	Metals-Water	Copper	0.75	ug/L	U	0.75	3
8/28/02	BLANK	Metals-Water	Iron	7	ug/L	U	7	28
8/28/02	BLANK	Metals-Water	Lead	0.24	ug/L	I	0.1	0.4
8/28/02	BLANK	Metals-Water	Magnesium	0.01	mg/L	U	0.01	0.04
8/28/02	BLANK	Metals-Water	Nickel	1.5	ug/L	U	1.5	6
8/28/02	BLANK	Metals-Water	Selenium	1	ug/L	U	1	4
8/28/02	BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/28/02	BLANK	Metals-Water	Zinc	2	ug/L	U	2	8
8/28/02	BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
8/28/02	BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	UJ	0.004	0.01
8/28/02	BLANK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
8/28/02	BLANK	Nutrients-Liquid	TDS	15	mg/L	U	15	60
8/28/02	BLANK	Nutrients-Liquid	TSS	4	mg/L	U	4	16
8/28/02	BLANK	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04
8/28/02	BLANK	Overflow	Oil and Grease	0.55	mg/L	U		

The Bioassay of United Technologies Corp., Pratt & Whitney effluent sampled on August 26, 2002, NPDES #FL0026042.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



The Priority Pollutants Analysis for Bioassay of United Technologies Corp., Pratt & Whitney effluent sampled on August 26, 2002, NPDES #FL0026042.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

