



KEITH and SCHNARS, P.A.
ENGINEERS • PLANNERS • SURVEYORS

OFFICE OF NATIONAL
RESOURCE PROTECTION

RECORD OF TRANSMITTAL

55 SEP 14 PM 3:09

If enclosures are not as noted, please notify us at once

DATE: 9/14/95
TO: Glen Malmstrom
DNR
218 SW 18th Ave
Ft Lauderdale FL 33301

PROJECT NO: 14938.00.00001
RE: Waste Magic Recyclers INC
Lake Fill Project Report #1
DNR License RD PF 94-1095

WE ARE SENDING YOU

☐ Attached ☐ Under separate cover via _____

☐ Prints ☐ Plans ☐ Copy of letter ☐ _____

Post-It™ brand fax transmittal memo 7671		# of pages	19
To	Carol Meeds		
Co.	BC DNR		
Dept.	Phone # 305-519-1460		
Fax #	407-433-2666	Fax #	765-9804

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1	9/14/95		Lake Fill Project Report #1

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KEITH and SCHNARS, P.A.
ENGINEERS - PLANNERS - SURVEYORS

September 13, 1995

Glen Malmstrom
Broward County Department of
Natural Resource Protection
218 S.W. 1st Avenue
Fort Lauderdale, Florida 33301

RE: Waste Magic Recyclers, Inc.
Lake Fill Project Report #1 (Baseline Data)
DNRP License No. DF94-1095
Keith and Schnars Project No. 14938.00.00001

Dear Mr. Malmstrom:

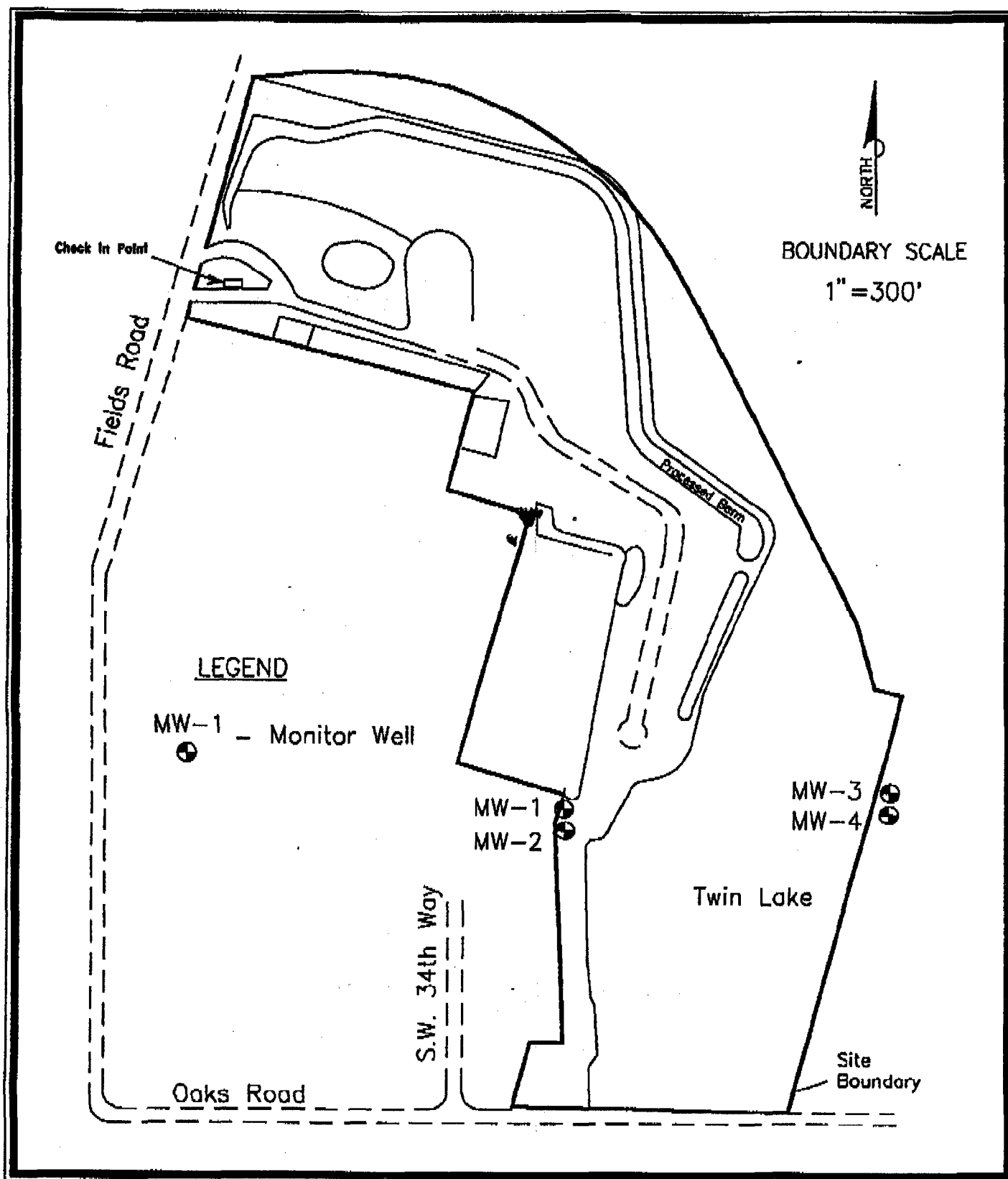
Keith and Schnars has completed the first sampling event as required under the specific conditions for the above referenced license. The purpose of this sampling event is to establish baseline data with respect to the filling of the lake.

To obtain groundwater samples from ten foot below the water table and at a depth equal to Twin Lake (30 feet), Keith and Schnars installed one shallow and one deep well on both the upgradient and down gradient sides of the lake. All monitor wells were constructed in compliance with Chapter 17-532 of the Florida Administrative Code (F.A.C.). Monitor well completion reports are supplied in Attachment 1. The locations of the monitor wells are presented in Figure 1 (Monitor Well Location Map).

Groundwater samples were collected by Keith and Schnars according to its FDEP Approved Quality Assurance Plan #870640G. Samples collected were submitted to Spectrum Laboratories Inc. and analyzed under its Quality Assurance Plan #870206G.

Groundwater samples were analyzed for all parameters set forth in Specific License Condition Item 11, Total Phosphorous, Total Coliform, Fecal Coliform, Fecal Streptococci and Coliphage.

To ensure quality control, a duplicate sample was collected from MW-3 and an equipment blank was analyzed. Analytical results and the Chain of Custody are provided as Attachment 2. In field measurements are provided in Table 1.



WASTE MAGIC RECYCLERS, INC

Monitor Well Location Map



Keith and Schnars, P.A.

ENGINEERS - PLANNERS - SURVEYORS

FIGURE

1

Glen Malmstrom
 Broward County Department of
 Natural Resource Protection
 September 13, 1995 - Page 2
 Keith and Schnars Project No. 14938.00.00001

Table 1: Field Measurements (8/18/95)

Parameter	MW-1 (15')	MW-2 (30')	MW-3 (30')	MW-4 (15')
pH	11.4	12.1	7.8	11.8
Conductivity	2.5 ms/cm	3.0 ms/cm	1.0 ms/cm	2.5 ms/cm
Temperature	28°C	26°C	25°C	27°C

A review of the analytical results has indicted several exceedances when compared to Florida's Primary and Secondary Drinking Water Standards, Chapter 62-550 F.A.C. and Broward County Standards for Groundwater, Chapter 27 (Code of Broward County). A summary of exceedances and occurrences for each monitor well is presented in Table 2.

Table 2: Summary of Analytical Data

Parameter	MW-1 (15')	MW-2 (30')	MW-3 (30')	MW-4 (15')	Chapter 27 Groundwater Standard	Chapter 62-550 Maximum Standard
pH	11.4	12.1	7.8	11.8	6.5-8.5	6.5-8.5
Color (pcu)	50	30	20	40	15 pcu	15 pcu
Odor ((TON)	200	12	4	4	None	3 TON
Total Dissolved Solids (mg/L)	1168	1285	887	798	NA	500 mg/L
COD (mg/L)	252	201	61	65	10 mg/L	10 mg/L
Benzene (ug/L)	1.68	0.902	0.00	0.00	1 ug/L	1 ug/L
Iron (mg/L)	0.69	0.05	0.23	1.58	0.3 mg/L	0.3 mg/L
Sulfate (mg/L)	280	47.3	354	133	NA	250 mg/L
Corrosivity	5.49	6.37	0.61	5.36	NA	NA

Based upon the analytical results, the exceedances noted appear to be normal, with respect to the existing conditions, except for the high pH and corrosivity values.



Glen Malmstrom
Broward County Department of
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During the sampling event, Keith and Schnars personnel observed the existing conditions within the vicinity of the upgradient and down gradient wells. During these observations, a concrete plant was noted south of MW-1 and MW-2. The area directly south of the wells appeared to be influenced by a washout area where concrete trucks washed excessive concrete from their drums. Several layers of semi-hardened concrete were noted. Washout zones were also noted within the vicinity of MW-3 and MW-4. MW-3 and MW-4 were placed within a concrete prestress facility down gradient of the lake.

Since high pH values are associated with concrete products, the concrete wash area could be a potential source for the high pH and corrosivity values found in the groundwater samples. Further investigation would be necessary to confirm the concrete wash as the potential source.

We trust the information provided will be sufficient. As always, we are available to answer any questions or provide additional information.

Thank you.

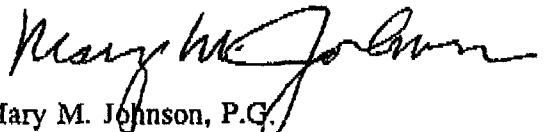
Sincerely,

KEITH and SCHNARS, P.A.
Engineers-Planners-Surveyors



Kevin L. Johnson, P.G.
Environmental Scientist

KLJ:djr



Mary M. Johnson, P.G.
Director of Environmental Sciences



ATTACHMENT 1:

Monitor Well Completion Reports

Casing: Black Steel () Galv. () PVC (X) Fiberglass ()
Screen: Type PVC Slot size 0.010"
Screened from 5.0 (ft.) to 15.0 (ft.)
Type of grout with % additives HEAT
Water: Clear (X) Colored () Sulphur () Salty () Iron ()
Conductivity _____ Chlorides _____ mg/l

Casing: Black Steel () Galv. () PVC (X) Fiberglass ()
Screen: Type PVC Slot size 0.010"
Screened from 30.0 (ft.) to 40.0 (ft.)
Type of grout with % additives NEAT
Water: Clear (X) Colored () Sulphur () Salty () Iron ()
Conductivity _____ Chlorides _____ ma/l

Casing: Black Steel () Galv. () PVC (X) Fiberglass ()
Screen: Type PVC Slot size 0.010"
Screened from 5 (ft.) to 15 (ft.)
Type of grout with % additives NEAT
Water: Clear (X) Colored () Sulphur () Salty () Iron ()
Conductivity _____ Chlorides _____ mg/l

ATTACHMENT 2:

**Groundwater Analytical Results and
Chain of Custody**



Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
 SAMPLE NUMBER: 032-081795
 LOCATION: MW-1
 ADDITIONAL DATA: WASTE MAGIC, DAVIE
 SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
 SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
 DATE SAMPLED: 08/17/95 1330
 DATE REPORTED: SEPT 1 1995
 REVISION: 0

FL DRINKING WATER: #86144
 FL ENVIRONMENTAL: #E86006
 GEORGIA: #2000
 SOUTH CAROLINA: #96015
 EPA: #FL095
 FDER COAP: #870206G
 DATE RECEIVED: 08/17/95
 SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
CHLORIDE	EPA 325.3	7.0	mg/l	1.000	950825	RPV
MANGANESE	EPA 200.7	-0.02	mg/l	.0200	950830	IA
ARSENIC	EPA 206.2	0.016	mg/l	.0020	950828	SSB
SELENIUM	EPA 270.2	-0.003	mg/l	.0030	950829	SSB
COLOR	EPA 110.2	50	PCU	5.000	950818	RPV
ODOR, THRESHOLD	140.1	200	TON	1.000	950818	RPV
BARIUM	EPA 200.7	0.15	mg/l	.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	.0001	950823	CHR
IRON	EPA 200.7	0.69	mg/l	.0200	950828	IA
CORROSIVITY	SM 2330	5.49			950824	RPV
CHROMIUM	EPA 200.7	-0.02	mg/l	.0200	950830	IA
SILVER	EPA 272.1	-0.02	mg/l	.0200	950829	IA
COPPER	EPA 200.7	-0.02	mg/l	.0200	950830	IA
FLUORIDE	EPA 340.2	0.31	mg/l	.1000	950823	RPV
MERCURY	EPA 245.2	-0.0001	mg/l	.0001	950822	IA
SULFATE	EPA 375.4	280	mg/l	.5000	950823	RPV
T DISSL SOLIDS	EPA 160.1	1168	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	0.20	mg/l	.0100	950818	RPV
COD	EPA 410.2	252	mg/l	1.000	950823	RPV
CARBON TETRACHLORIDE	524	0.00	ug/l	.2000	950819	AC
1,4-DICHLOROBENZENE	524	0.00	ug/l	.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00	ug/l	.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
TETRACHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
1,1,1-TRICHLOROETHANE	524	0.00	ug/l	.2000	950819	AC
TRICHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
VINYL CHLORIDE	524	0.00	ug/l	.2000	950819	AC
BENZENE	524	1.68	ug/l	.2000	950819	AC
TOTAL PHOSPHORUS	365.4	0.31	mg/l	.0100	950821	RPV
NITRATE (as N)	EPA 353.1	0.60	mg/l	.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	.0200	950818	RPV
TOTAL ORGANIC CARBON	415	71.6	mg/l	1.000	950818	RPV
OIL AND GREASE	413.1	2.3	mg/l	.2000	950828	RPV
TRPH (WATER)	EPA 418.1	0.28	mg/l	.2000	950829	RPV
LEAD, DISSOLVED	239.2	-0.001	mg/l	.0010	950830	SSB
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950818	MLC
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950818	MLC
FECAL STREPTOCOCCI	S910B	<10	ORG/100ml	10.00	950819	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950818	DSM
TEMPERATURE	EPA 170.1	28	C		950818	CLIENT
1,2DIBROMETHANE (EDB)	504	0.00	ug/l	.0100	950819	AC


 LYLE A. JOHNSON
 LAB MANAGER



Laboratories, Inc.

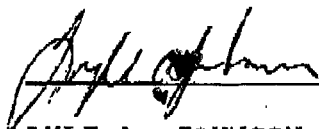
FORT LAUDERDALE - SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
SAMPLE NUMBER: 015-081895
LOCATION: MW-2
ADDITIONAL DATA: WASTE MAGIC, DAVIE
SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
DATE SAMPLED: 08/18/95 1320
DATE REPORTED: SEPT 6 1995
REVISION: 0

FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86006
GEORGIA: #2000
SOUTH CAROLINA: #96015
EPA: #FL095
FDER COAP: #870206G
DATE RECEIVED: 08/18/95
SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
pH (FIELD)	CLIENT	N/A			950905	CLIENT
CHLORIDE	EPA 325.3	7.0	mg/l	1.000	950825	RPV
COLOR	EPA 110.2	30	PCU	5.000	950821	RPV
CORROSIVITY	SM 2330	6.37			950831	RPV
FLUORIDE	EPA 340.2	0.19	mg/l	1.000	950823	RPV
IRON	EPA 200.7	0.05	mg/l	0.0200	950828	IA
MANGANESE	EPA 200.7	-0.02	mg/l	0.0200	950830	IA
ODOR, THRESHOLD	140.1	12	TON	1.000	950821	RPV
SULFATE	EPA 375.4	47.3	mg/l	5.000	950823	RPV
T DISSL SOLIDS	EPA 160.1	1285	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	0.28	mg/l	0.0100	950821	RPV
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950819	DSM
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950819	DSM
FECAL STREPTOCOCCI	SM 910B	<10	ORG/100ml	10.00	950820	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950819	DSM
TOTAL PHOSPHORUS	365.4	0.03	mg/l	0.0100	950829	RPV
CONDUCTIVITY	EPA 120.1	4.53	mS/cm	10.00	950821	RPV
COD	EPA 410.2	201	mg/l	1.000	950823	RPV
NITRATE (as N)	EPA 353.1	0.48	mg/l	0.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	0.0200	950821	RPV
1,2DIBROMETHANE (EDB)	504	0.00	ug/l	0.0100	950819	AC
TRICHLOROETHENE	524	0.00	ug/l	0.2000	950819	AC
TETRACHLOROETHENE	524	0.00	ug/l	0.2000	950819	AC
CARBON TETRACHLORIDE	524	0.00	ug/l	0.2000	950819	AC
VINYL CHLORIDE	524	0.00	ug/l	0.2000	950819	AC
111-TRICHLOROETHANE	524	0.00	ug/l	0.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00	ug/l	0.2000	950819	AC
BENZENE	524	0.902	ug/l	0.2000	950819	AC
1,4-DICHLOROETHENE	524	0.00	ug/l	0.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00	ug/l	0.2000	950819	AC
TOTAL ORGANIC CARBON	415	62.8	mg/l	1.000	950823	RPV
OIL AND GREASE	413.1	1.5	mg/l	0.2000	950828	RPV
TRPH (WATER)	EPA 418.1	0.28	mg/l	0.2000	950829	RPV
ARSENIC	EPA 206.2	0.006	mg/l	0.0020	950828	SSB
BARIUM	EPA 200.7	0.33	mg/l	0.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	0.0001	950823	CHR
LEAD	EPA 239.2	0.010	mg/l	0.0010	950824	IA
CHROMIUM	EPA 200.7	-0.02	mg/l	0.0200	950830	IA
MERCURY	EPA 245.2	-0.0001	mg/l	0.0001	950822	IA
SELENIUM	EPA 270.2	-0.003	mg/l	0.0030	950829	SSB
SILVER	EPA 272.1	-0.02	mg/l	0.0200	950829	IA
COPPER	EPA 200.7	-0.02	mg/l	0.0200	950830	IA


 LYLE A. JOHNSON
 LAB MANAGER



Laboratories, Inc.

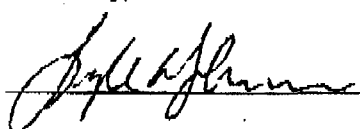
FORT LAUDERDALE - SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
 SAMPLE NUMBER: 017-081895
 LOCATION: MW-3
 ADDITIONAL DATA: WASTE MAGIC, DAVIE
 SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
 SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
 DATE SAMPLED: 08/18/95 1415
 DATE REPORTED: SEPT 6 1995
 REVISION: 0

FL DRINKING WATER: #86144
 FL ENVIRONMENTAL: #E86006
 GEORGIA: #2000
 SOUTH CAROLINA: #96015
 EPA: #FL095
 FDER COAP: #870206G
 DATE RECEIVED: 08/18/95
 SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
pH (FIELD)	CLIENT	N/A			950905	CLIENT
CHLORIDE	EPA 325.3	43.0	mg/l	1.000	950825	RPV
COLOR	EPA 110.2	20	PCU	5.000	950821	RPV
CORROSIVITY	SM 2330	0.61			950831	RPV
FLUORIDE	EPA 340.2	0.25	mg/l	.1000	950823	RPV
IRON	EPA 200.7	0.23	mg/l	.0200	950828	IA
MANGANESE	EPA 200.7	0.03	mg/l	.0200	950830	IA
ODOR, THRESHOLD	140.1	4	TON	1.000	950821	RPV
SULFATE	EPA 375.4	354	mg/l	.5000	950823	RPV
T DISSL SOLIDS	EPA 160.1	837	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	0.04	mg/l	.0100	950821	RPV
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950819	DSM
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950819	DSM
FECAL STREPTOCOCCI	S910B	<10	ORG/100ml	10.00	950820	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950819	DSM
TOTAL PHOSPHORUS	365.4	1.75	mg/l	.0100	950829	RPV
CONDUCTIVITY	EPA 120.1	1.06	ms/cm	10.00	950821	RPV
COD	EPA 410.2	61	mg/l	1.000	950823	RPV
NITRATE (as N)	EPA 353.1	-0.02	mg/l	.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	.0200	950821	RPV
TRICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TETRACHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
CARBON TETRACHLORIDE	524	0.00 ug/l		.2000	950819	AC
VINYL CHLORIDE	524	0.00 ug/l		.2000	950819	AC
1,1,1-TRICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
BENZENE	524	0.00 ug/l		.2000	950819	AC
1,4-DICHLOROBENZENE	524	0.00 ug/l		.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TOTAL ORGANIC CARBON	415	98.0	mg/l	1.000	950823	RPV
OIL AND GREASE	413.1	1.6	mg/l	.2000	950828	RPV
TRPH (WATER)	EPA 418.1	0.24	mg/l	.2000	950829	RPV
ARSENIC	EPA 206.2	-0.005	mg/l	.0020	950828	SSB
BARIUM	EPA 200.7	0.04	mg/l	.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	.0001	950823	CHR
LEAD	EPA 239.2	-0.001	mg/l	.0010	950824	IA
CHROMIUM	EPA 200.7	-0.02	mg/l	.0200	950830	IA
MERCURY	EPA 245.2	-0.0001	mg/l	.0001	950822	IA
SELENIUM	EPA 270.2	-0.003	mg/l	.0030	950829	SSB
SILVER	EPA 272.1	-0.02	mg/l	.0200	950829	IA
1,2DIBROMETHANE (EDB)	504	0.00 ug/l		.0100	950819	AC
COPPER	EPA 200.7	-0.02	mg/l	.0200	950830	IA


 LYLE A. JOHNSON
 LAB MANAGER



Laboratories, Inc.

FORT LAUDERDALE - SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
SAMPLE NUMBER: 018-081895
LOCATION: MW-4
ADDITIONAL DATA: WASTE MAGIC, DAVIE
SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
DATE SAMPLED: 08/18/95 1320
DATE REPORTED: SEPT 6 1995
REVISION: 0

FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86006
GEORGIA: #2000
SOUTH CAROLINA: #96015
EPA: #FL095
FDER COAP: #870206G
DATE RECEIVED: 08/18/95
SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
pH (FIELD)	CLIENT	N/A			950905	CLIENT
CHLORIDE	EPA 325.3	57.0	mg/l	1.000	950825	RPV
COLOR	EPA 110.2	40	PCU	5.000	950821	RPV
FLUORIDE	EPA 340.2	0.19	mg/l	1.000	950823	RPV
CORROSIVITY	SM 2330	5.36			950831	RPV
IRON	EPA 200.7	1.58	mg/l	.0200	950828	IA
MANGANESE	EPA 200.7	-0.02	mg/l	.0200	950830	IA
ODOR, THRESHOLD	140.1	4	TON	1.000	950821	RPV
SULFATE	EPA 375.4	133	mg/l	.5000	950823	RPV
T DISSL SOLIDS	EPA 160.1	798	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	0.04	mg/l	.0100	950821	RPV
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950819	DSM
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950819	DSM
FECAL STREPTOCOCCI	SM 910B	<10	ORG/100ml	10.00	950820	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950819	DSM
TOTAL PHOSPHORUS	365.4	0.10	mg/l	.0100	950829	RPV
CONDUCTIVITY	EPA 120.1	2.43	mS/cm	10.00	950821	RPV
COD	EPA 410.2	65	mg/l	1.000	950823	RPV
NITRATE (as N)	EPA 353.1	0.15	mg/l	.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	.0200	950821	RPV
TRICHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
TETRACHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
CARBON TETRACHLORIDE	524	0.00	ug/l	.2000	950819	AC
VINYL CHLORIDE	524	0.00	ug/l	.2000	950819	AC
1,1,1-TRICHLOROETHANE	524	0.00	ug/l	.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00	ug/l	.2000	950819	AC
BENZENE	524	0.00	ug/l	.2000	950819	AC
1,4-DICHLOROBENZENE	524	0.00	ug/l	.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00	ug/l	.2000	950819	AC
TOTAL ORGANIC CARBON	415	34.3	mg/l	1.000	950823	RPV
OIL AND GREASE	413.1	1.9	mg/l	.2000	950828	RPV
TRPH (WATER)	EPA 418.1	0.26	mg/l	.2000	950829	RPV
ARSENIC	EPA 206.2	0.011	mg/l	.0020	950828	SSB
BARIUM	EPA 200.7	0.14	mg/l	.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	.0001	950823	CHR
LEAD	EPA 239.2	0.011	mg/l	.0010	950824	IA
CHROMIUM	EPA 200.7	-0.02	mg/l	.0200	950830	IA
MERCURY	EPA 245.2	-0.0001	mg/l	.0001	950822	IA
SELENIUM	EPA 270.2	-0.003	mg/l	.0030	950829	SSB
SILVER	EPA 272.1	-0.02	mg/l	.0200	950829	IA
1,2DIBROMETHANE (EDB)	504	0.00	ug/l	.0100	950819	AC
COPPER	EPA 200.7	-0.02	mg/l	.0200	950830	IA

LYLE A. JOHNSON
 LAB MANAGER



Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
 SAMPLE NUMBER: 019-081895
 LOCATION: DUPLICATE
 ADDITIONAL DATA: WASTE MAGIC, DAVIE
 SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
 SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
 DATE SAMPLED: 08/18/95 1530
 DATE REPORTED: SEPT 6 1995
 REVISION: 0

FL DRINKING WATER: #86144
 FL ENVIRONMENTAL: #E86006
 GEORGIA: #2000
 SOUTH CAROLINA: #96015
 EPA: #FL095
 FDER COAP: #870206G
 DATE RECEIVED: 08/18/95
 SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
pH (FIELD)	CLIENT	N/A			950905	CLIENT
CHLORIDE	EPA 325.3	43.0	mg/l	1.000	950825	RPV
COLOR	EPA 110.2	20	PCU	5.000	950821	RPV
CORROSIVITY	SM 2330	0.79			950831	RPV
FLUORIDE	EPA 340.2	0.25	mg/l	.1000	950823	RPV
IRON	EPA 200.7	0.47	mg/l	.0200	950828	IA
MANGANESE	EPA 200.7	-0.02	mg/l	.0200	950830	IA
ODOR, THRESHOLD	140.1	4	TON	1.000	950821	RPV
SULFATE	EPA 375.4	363	mg/l	.5000	950823	RPV
T DISSL SOLIDS	EPA 160.1	768	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	0.04	mg/l	.0100	950821	RPV
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950819	DSM
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950819	DSM
FECAL STREPTOCOCCI	S910B	<10	ORG/100ml	10.00	950820	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950819	DSM
TOTAL PHOSPHORUS	365.4	0.03	mg/l	.0100	950829	RPV
CONDUCTIVITY	EPA 120.1	1.02	mS/cm	10.00	950821	RPV
COD	EPA 410.2	26	mg/l	1.000	950823	RPV
NITRATE (as N)	EPA 353.1	-0.02	mg/l	.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	.0200	950821	RPV
TRICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TETRACHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
CARBON TETRACHLORIDE	524	0.00 ug/l		.2000	950819	AC
VINYL CHLORIDE	524	0.00 ug/l		.2000	950819	AC
1,1,1-TRICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
BENZENE	524	0.00 ug/l		.2000	950819	AC
1,4-DICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TOTAL ORGANIC CARBON	415	17.8	mg/l	1.000	950823	RPV
OIL AND GREASE	413.1	1.4	mg/l	.2000	950828	RPV
TRPH (WATER)	EPA 418.1	0.24	mg/l	.2000	950829	RPV
ARSENIC	EPA 206.2	-0.005	mg/l	.0020	950828	SSB
BARIUM	EPA 200.7	0.04	mg/l	.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	.0001	950823	CHR
LEAD	EPA 239.2	-0.001	mg/l	.0010	950824	IA
CHROMIUM	EPA 200.7	-0.02	mg/l	.0200	950830	IA
MERCURY	EPA 245.2	-0.0001	mg/l	.0001	950822	IA
SELENIUM	EPA 270.2	-0.003	mg/l	.0030	950829	SSB
SILVER	EPA 272.1	-0.02	mg/l	.0200	950829	IA
1,2DIBROMETHANE (EDB)	504	0.00 ug/l		.0100	950819	AC
COPPER	EPA 200.7	-0.02	mg/l	.0200	950830	IA

LYLE A. JOHNSON
 LAB MANAGER



Laboratories, Inc.

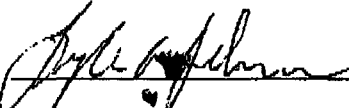
FORT LAUDERDALE • SAVANNAH

RESULTS OF ANALYSIS

CLIENT: KEITH & SCHNARS
SAMPLE NUMBER: 020-081895
LOCATION: TRIP BLANK
ADDITIONAL DATA: WASTE MAGIC, DAVIE
SAMPLED BY: KEVIN JOHNSON, KEITH & SCHNARS
SUBMITTED BY: KEVIN JOHNSON, KEITH & SCHNARS
DATE SAMPLED: 08/18/95
DATE REPORTED: SEPT 6 1995
REVISION: 0

FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86006
GEORGIA: #2000
SOUTH CAROLINA: #96015
EPA: #FL095
FDER COAP: #870206G
DATE RECEIVED: 08/18/95
SAMPLE MATRIX: WATER

Parameter	Method	Result	Units	Detection Limit	Analysis Date	Analyst
pH (FIELD)	CLIENT	N/A			950905	CLIENT
CHLORIDE	EPA 325.3	-1.0	mg/l	1.000	950825	RPV
COLOR	EPA 110.2	-5	PCU	5.000	950821	RPV
CORROSIVITY	SM 2330	-5.35			950831	RPV
FLUORIDE	EPA 340.2	0.02	mg/l	.1000	950823	RPV
IRON	EPA 200.7	-0.02	mg/l	.0200	950828	IA
MANGANESE	EPA 200.7	-0.02	mg/l	.0200	950830	IA
ODOR, THRESHOLD	140.1	1	TON	1.000	950821	RPV
SULFATE	EPA 375.4	5.2	mg/l	.5000	950823	RPV
T DISSL SOLIDS	EPA 160.1	1	mg/l	1.000	950822	MLC
SURFACTANTS	EPA 425.1	-0.02	mg/l	.0100	950821	RPV
TOTAL COLIFORM	SM 909A	<10	ORG/100ml	1.000	950819	DSM
FECAL COLIFORM	SM 909C	<10	ORG/100ml	10.00	950819	DSM
FECAL STREPTOCOCCI	S910B	<10	ORG/100ml	10.00	950820	DSM
COLIPHAGE	9211 D-MOD	<10	PFU/100ml	5.000	950819	DSM
TOTAL PHOSPHORUS	365.4	0.23	mg/l	.0100	950829	RPV
CONDUCTIVITY	EPA 120.1	2.93	uS/cm	10.00	950821	RPV
COD	EPA 410.2	-1.0	mg/l	1.000	950823	RPV
NITRATE (as N)	EPA 353.1	-0.02	mg/l	.0200	950822	RPV
NITRITE NITROGEN	354.1	-0.02	mg/l	.0200	950821	RPV
TRICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TETRACHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
CARBON TETRACHLORIDE	524	0.00 ug/l		.2000	950819	AC
VINYL CHLORIDE	524	0.00 ug/l		.2000	950819	AC
1,1,1-TRICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
1,2-DICHLOROETHANE	524	0.00 ug/l		.2000	950819	AC
BENZENE	524	0.00 ug/l		.2000	950819	AC
1,4-DICHLOROBENZENE	524	0.00 ug/l		.2000	950819	AC
1,1-DICHLOROETHENE	524	0.00 ug/l		.2000	950819	AC
TOTAL ORGANIC CARBON	415	1.07	mg/l	1.000	950823	RPV
OIL AND GREASE	413.1	-0.1	mg/l	.2000	950828	RPV
TRPH (WATER)	EPA 418.1	-0.2	mg/l	.2000	950829	RPV
ARSENIC	EPA 206.2	-0.005	mg/l	.0020	950828	SSB
BARIUM	EPA 200.7	0.04	mg/l	.0400	950828	IA
CADMIUM	EPA 213.2	-0.0001	mg/l	.0001	950823	CHR
LEAD	EPA 239.2	-0.001	mg/l	.0010	950824	IA
CHROMIUM	EPA 200.7	-0.02	mg/l	.0200	950830	IA
MERCURY	EPA 245.2	-0.0001	mg/l	.0001	950822	IA
SELENIUM	EPA 270.2	-0.003	mg/l	.0030	950829	SSB
SILVER	EPA 272.1	-0.02	mg/l	.0200	950829	IA
1,2DIBROMETHANE (EDB)	504	0.00 ug/l		.0100	950819	AC
COPPER	EPA 200.7	-0.02	mg/l	.0200	950830	IA


 LYLE A. JOHNSON
 LAB MANAGER

CHAIN OF CUSTODY RECORD



Laboratories, Inc.

FORT LAUDERDALE - SAVANNAH

☒ 1460 W. McNab Road
Ft. Lauderdale, FL 33309
(305) 978-6400

☐ 630 Indian Street
Savannah, GA 31401
(912) 238-5050

[illegible]

	Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
SAMPLED BY: <i>Kevin Johnson</i>	1		<i>Kevin Johnson</i>	<i>M. H. H. H. H.</i>	<i>8/17/95</i>	<i>1510</i>
	2					
	3					
	4					

* Samples that are determined to be L-2-...



Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

CHAIN OF CUSTODY RECORD

☒ 1460 W. McNab Road
Ft. Lauderdale, FL 33309
(305) 978-6400

☐ 630 Indian Street
Savannah, GA 31401
(912) 238-5050

Project Name or Number		Client Name				Laboratory Analysis									
Project Location															
LCN	Sample Number	Date	Time	Sample Matrix	Container (s)	Chloride / Nitrate / Sulfate	Copper / Lead / Manganese	Other Sulfate / TDS	Forming agents	CO2 / Hydroxide / Nitrate	Oil / Total Carbon	Oil + Grease / TSS	Heavy Metals	Comments	
015 081895	MW-2	8/18	1:20	groundwater	13	✓	✓	✓	✓	✓	✓	✓	✓	See list	
017 081895	MW-3	8/18	2:15	groundwater	13	✓	✓	✓	✓	✓	✓	✓			
018 081895	MW-4	8/18	1:20	groundwater	13	✓	✓	✓	✓	✓	✓	✓			
019 081895	Duplex	8/18	3:30	groundwater	13	✓	✓	✓	✓	✓	✓	✓			
020 081895	Trip Blank	8/18	—	DI water	13	✓	✓	✓	✓	✓	✓	✓			

SAMPLED BY:	Transfer Number	Item Number	* Transfers		Accepted by:	Date	Time
			Relinquished by:				
Kenneth Brown	1		Ken Brown		M. White	8/18/95	4:55
	2						
	3						
	4						

3057717690

KEITH & SCHNARS P.A.

KEITH & SCHNARS P.A.

F-188 T-411 P-001/002 AUG 15 '95 16:48



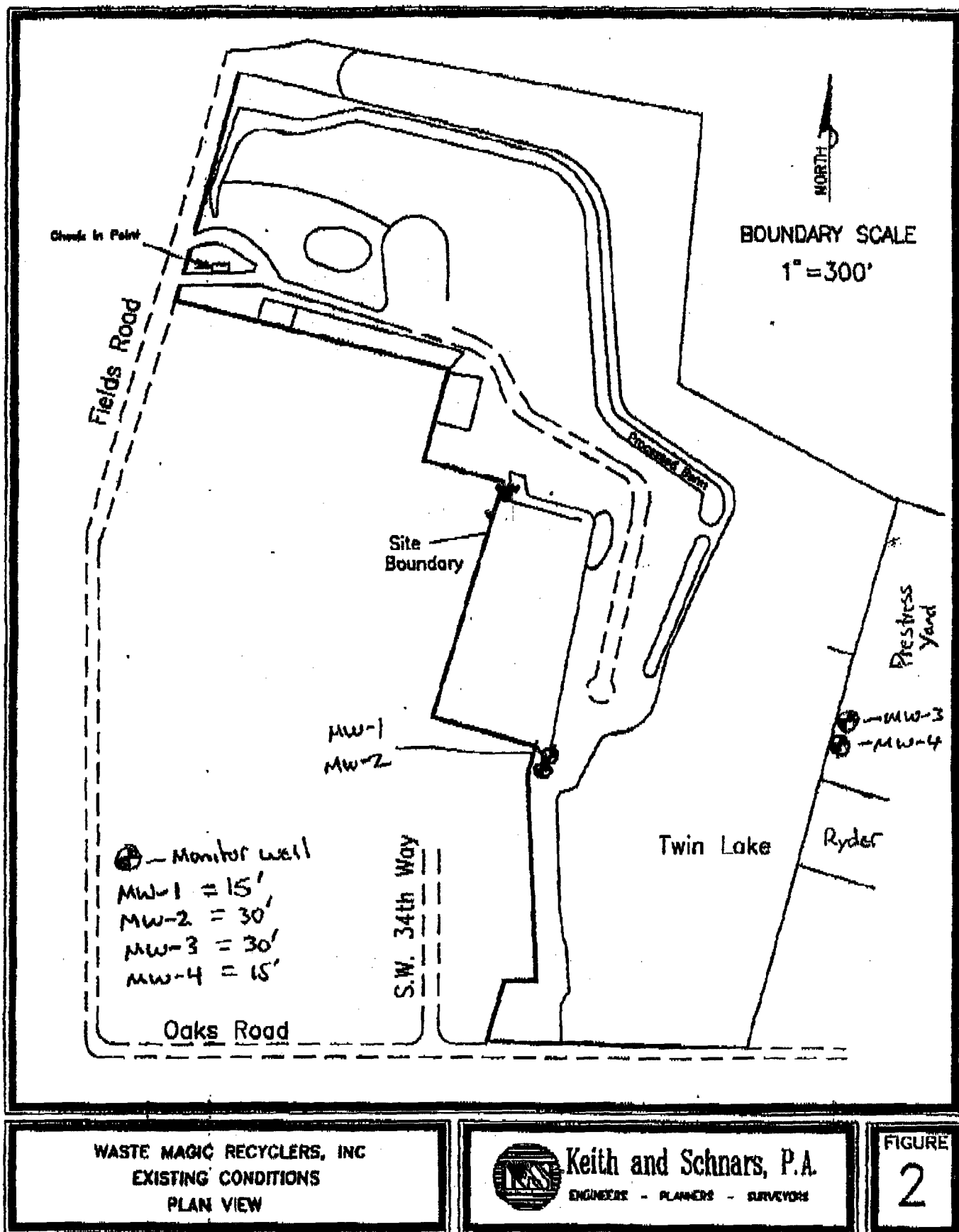
KEITH and SCHNARS, P.A.
ENGINEERS - PLANNERS - SURVEYORS

FACSIMILE TRANSMITTAL	
TO	DNRP
ATTENTION	Glen Malmstrom
FROM	Kevin Johnson
DATE & TIME	8/15/95
FAX NUMBER	765-4804
NO. OF PAGES	2 (INCLUDING COVER)

RE: Waste Mgmt
DE 94-1095

Glen,
I don't have a survey of the well locations
yet. The locations shown on the plan are
Approximate.

6500 North Andrews Avenue • Ft. Lauderdale, FL • 33308-2132
PHONE (305) 776-1616 • FAX (305) 771-7690



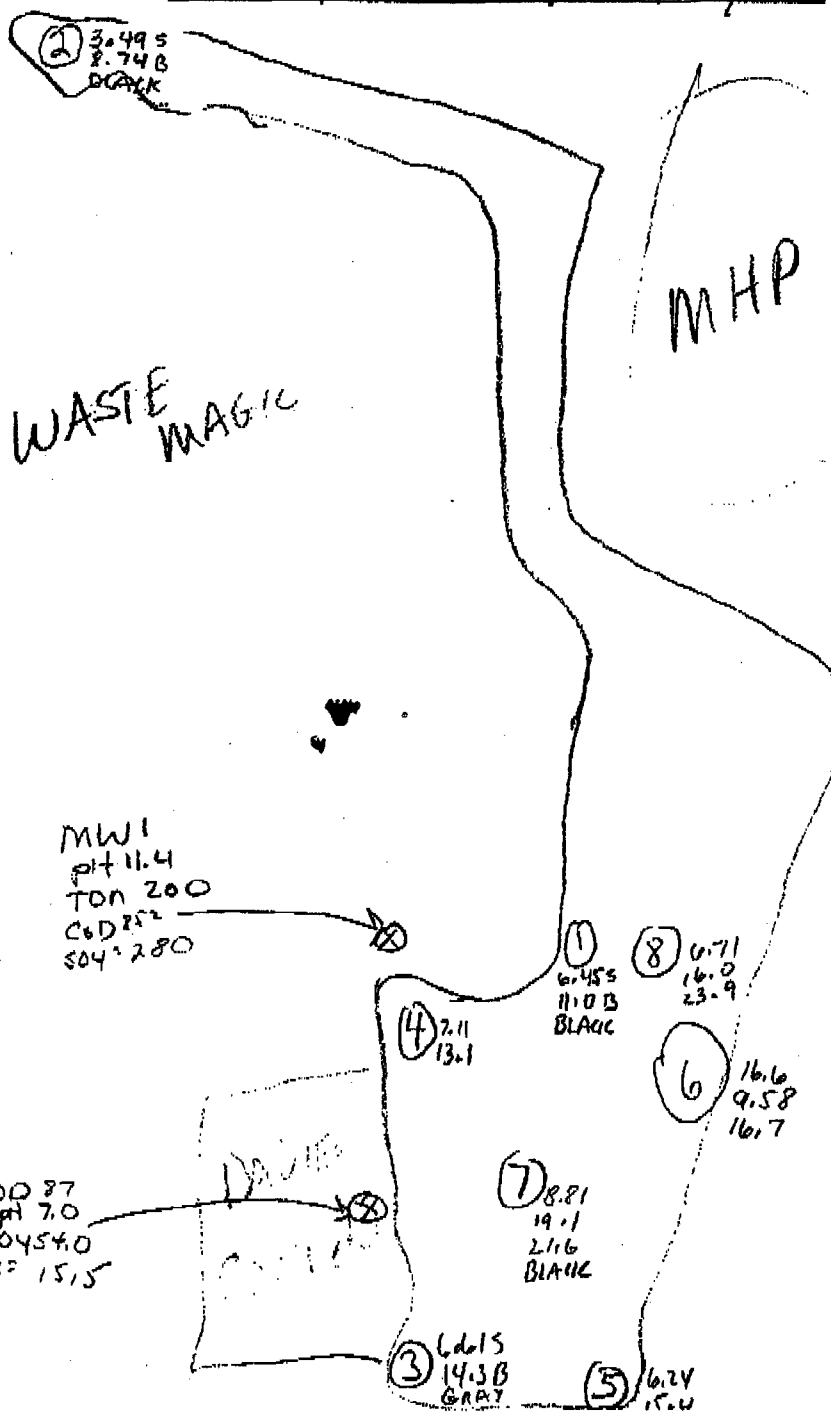
I-595

M. Callahan
724-1509↑
NORTH

Post-It™ brand fax transmittal memo 7671

of pages 21

To	Carol Meeds	From	Sermin Husei
Co.		Co.	
Dept.		Phone #	305-559-1460
Fax #	407-433-2666	Fax #	765-4804



12/20/1995 14:14

954-765-4

DNR/POLLUTION PREV

PAGE 02

12/12/95

W701.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #A460531/E46021 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191C

SOURCE CODE: MISC-803
SITE: TWIN LAKES, DAVIE
SAMPLE NO: 57706
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1305
SAMPLING POINT: SITE 1, SUBSURFACE
PROJECT: WRO
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
CONDUCTIVITY	1920	UMHOS	1.00	EPA 120.1	12/05/95	1305	RVR
DISSOLVED OXYGEN	0.10	MG/L	0.05	EPA 360.1	12/05/95	1305	RVR
pH	7.8	UNITS	0.00	EPA 150.1	12/05/95	1305	RVR
SULFIDE	6.45	MG/L	1.00	EPA 375.1	12/06/95	1445	KLV
TEMPERATURE	24.6	DEG C	0.00	EPA 170.1	12/05/95	1305	RVR

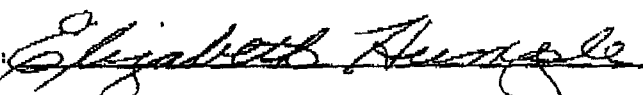
COMMENTS:

R IS YELLOW WITH H2S ODORS

COMMENTS:

ST EAST OF WASTE WAGIC PROMONTORY

MANAGER:



COMPLETION DATE: 12/11/95

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

2/12/95

1.01.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #E460531/#46027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: MISC-815
SITE: TWIN LAKES, DAVIE
SAMPLE NO: 57718
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1520
SAMPLING POINT: SITE 6, SURFACE
PROJECT: WRO
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
INDUCTIVITY	1900	UMHOS	1.00	EPA 120.1	12/05/95	1520	RVR
DISSOLVED OXYGEN	0.11	MG/L	0.05	EPA 360.1	12/05/95	1520	RVR
PH	8.4	UNITS	0.00	EPA 150.1	12/05/95	1520	RVR
CHLORIDE	16.6	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
TEMPERATURE	24.8	DEG C	0.00	EPA 170.1	12/05/95	1520	RVR

COMMENTS:
WATER IS YELLOW WITH H2S ODOR.

COMMENTS:
A OF LAKE

MANAGER

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

COMPLETION DATE: 12/11/95

12/20/1995 14:14

954-765-4574

DNR/POLLUTION PREV

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12/12/95

(1.0).RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

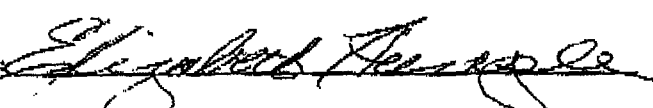
PHRS LABORATORY CERTIFICATION #B460531/#46027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: MISC-816
SITE: TWIN LAKES, DAVIE
SAMPLE NO: 57719
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1525
SAMPLING POINT: SITE 6, MID-DEPTH
PROJECT: WRD
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
INDUCTIVITY	1900	UMHOS	1.00	EPA 120.1	12/05/95	1525	RVR
DISSOLVED OXYGEN	ND	MG/L	0.05	EPA 360.1	12/05/95	1525	RVR
	8.4	UNITS	0.00	EPA 150.1	12/05/95	1525	RVR
PH	9.58	MG/L	1.00	EPA 375.1	12/06/95	1445	KLV
TEMPERATURE	23.4	DEG C	0.00	EPA 170.1	12/05/95	1525	RVR

COMMENTS:
W IS YELLOW WITH R28 ODORS.

COMMENTS:
A OF LAKE

MANAGER: 

COMPLETION DATE: 12/11/95

ND - NOT DETECTED NA - NOT ANALYZED NR - NOT REPORTED

12/20/1995 14:14

954-765-4884

DNR/POLLUTION PREV

PAGE 05

12/12/95

L01.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #H460531/#46027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: MISC-817
SITE: TWIN LAKES, DAVIS
SAMPLE NO: 57720
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1530
SAMPLING POINT: SITE 6, BOTTOM
PROJECT: WRD
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
INDUCTIVITY	1950	UMHOS	1.00	EPA 120.1	12/05/95	1530	RVR
DISSOLVED OXYGEN	ND	MG/L	0.05	EPA 360.1	12/05/95	1530	RVR
	8.2	UNITS	0.00	EPA 150.1	12/05/95	1530	RVR
PH	16.7	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
TEMPERATURE	22.4	DEG C	0.00	EPA 170.1	12/05/95	1530	RVR

COMMENTS:

R IS YELLOW WITH H2S ODORS.

COMMENTS:

A OF LAKE

MANAGER:

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

COMPLETION DATE: 12/11/95

17/95

L.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #B460531/#46027 NVLAP #1600
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: WISC-818

SITE: TWIN LAKES, DAVIS

SAMPLE NO: 57721

SAMPLE DATE: 12/05/95

SAMPLE TIME: 1555

SAMPLING POINT: SITE 7, SURFACE

PROJECT: WRO

SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
ACTIVITY	1900	UMHOS	1.00	EPA 120.1	12/05/95	1555	RVR
DISSOLVED OXYGEN	0.07	MG/L	0.05	EPA 360.1	12/05/95	1555	RVR
	8.2	UNITS	0.00	EPA 150.1	12/05/95	1555	RVR
IDE	0.81	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
TEMPERATURE	24.2	DEG C	0.00	EPA 170.1	12/05/95	1555	RVR

COMMENTS:

W IS YELLOW WITH H2S ODORS.

REMARKS:

N. PORTION OF LAKE, SOUTHERN END

MANAGER

COMPLETION DATE: 12/11/95

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

12/95

I.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
210 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #B460531/#46027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: NISC-819
SITE: TWIN LAKES, DAVIE
SAMPLE NO: 57722
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1600
SAMPLING POINT: SITE 7, MID-DEPTH
PROJECT: WRD
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
ACTIVITY	1960	UNROS	1.00	EPA 120.1	12/05/95	1600	RVR
DISSOLVED OXYGEN	0.05	MG/L	0.05	EPA 360.1	12/05/95	1600	RVR
	8.0	UNITS	0.00	EPA 150.1	12/05/95	1600	RVR
DO	19.1	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
WATER TEMP	22.1	DEG C	0.00	EPA 170.1	12/05/95	1600	RVR

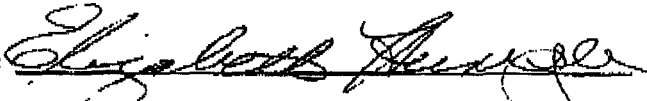
COMMENTS:

WATER IS YELLOW WITH H2S ODORS.

COMMENTS:

SOUTHERN PORTION OF LAKE, SOUTHERN END

MANAGER:



COMPLETION DATE: 12/11/95

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

2/95

.RPT

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

PHRS LABORATORY CERTIFICATION #8460531/#46027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #870191G

SOURCE CODE: NISC-020
SITE: TWIN LAKES, DAVIS
SAMPLE NO: 57723
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1605
SAMPLING POINT: SITE 7, BOTTOM
PROJECT: WRD
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
DUCTIVITY	1960	UMHOS	1.00	EPA 120.1	12/05/95	1605	RVR
SOLVED OXYGEN	0.22	MG/L	0.05	EPA 360.1	12/05/95	1605	RVR
	7.9	UNITS	0.00	EPA 150.1	12/05/95	1605	RVR
PIDE	21.6	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
PERATURE	22.2	DEG C	0.00	EPA 170.7	12/05/95	1605	RVR

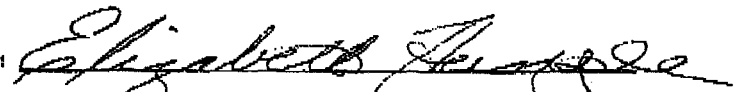
ELD COMMENTS:

MPLE IS YELLOW WITH H2S ODORS. SEDIMENT SAMPLE IS BLACK
D HEAVY IN H2S.

.B COMMENTS:

INTRAL PORTION OF LAKE, SOUTHERN END

A. MANAGER:



COMPLETION DATE: 12/11/95

ND - NOT DETECTED

NA - NOT ANALYZED

NR - NOT REPORTED

12/12/95

BRONARD COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
218 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1240

W101.RPT

PHRS LABORATORY CERTIFICATION #E460531/#46027 NVLAP #1600
COMPREHENSIVE QUALITY ASSURANCE PLAN #876191C

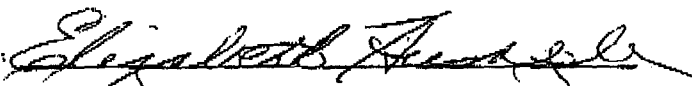
SOURCE CODE: NISC-821
SITE: TWIN LAKES, DAVIS
SAMPLE NO: 57724
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1620
SAMPLING POINT: SITE 8, SURFACE
PROJECT: WRO
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
CONDUCTIVITY	1900	UMHOS	1.00	EPA 120.1	12/05/95	1620	RVR
DISSOLVED OXYGEN	0.05	MG/L	0.05	EPA 360.1	12/05/95	1620	RVR
pH	8.2	UNITS	0.00	EPA 150.1	12/05/95	1620	RVR
W.PIDE	6.71	MG/L	1.00	EPA 376.1	12/06/95	1445	KLV
TEMPERATURE	24.1	DEG C	0.00	EPA 170.1	12/05/95	1620	RVR

LD COMMENTS:
PLE IS YELLOW WITH H2S ODORS.

COMMENTS:
TRAIL PORTION OF LAKE, NORTHERN END

MANAGER:



COMPLETION DATE: 12/11/95

ND - NOT DETECTED NA - NOT ANALYZED NR - NOT REPORTED

12/20/1995 14:14

954-765-4634

DNR/POLLUTION PREV

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12/12/95

#101.RPT

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DEPARTMENT OF NATURAL RESOURCE PROTECTION
ENVIRONMENTAL MONITORING DIVISION
210 S.W. 1st AVENUE
FT. LAUDERDALE, FL 33301
(305) 519-1740

PHRS LABORATORY CERTIFICATION #B460531/146027 NVLAP #1608
COMPREHENSIVE QUALITY ASSURANCE PLAN #070191G

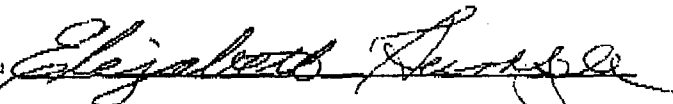
SOURCE CODE: MISC-022
SITE: TWIN LAKES, DAVIE
SAMPLE NO: 57125
SAMPLE DATE: 12/05/95
SAMPLE TIME: 1625
SAMPLING POINT: SITE 0, MID-DEPTH
PROJECT: WRO
SAMPLED BY: RVR

PARAMETER	RESULT	UNIT	DETECT LIMIT	METHOD	ANALYSIS DATE	ANALYSIS TIME	ANALYST
INDUCTIVITY	1960	UMHOS	1.00	EPA 120.1	12/05/95	1625	RVR
DISSOLVED OXYGEN	ND	MG/L	0.05	EPA 360.1	12/05/95	1625	RVR
pH	7.9	UNITS	0.00	EPA 150.1	12/05/95	1625	RVR
ALPIDE	16.0	MG/L	1.00	EPA 376.1	12/06/95	1445	KLK
TEMPERATURE	22.3	DEG C	0.00	EPA 170.1	12/05/95	1625	RVR

LD COMMENTS:
PLB IS YELLOW WITH H2S ODORS.

COMMENTS:
TRAIL PORTION OF LAKE, NORTH END

MANAGER:



COMPLETION DATE: 12/11/95

ND - NOT DETECTED NA - NOT ANALYZED NR - NOT REPORTED