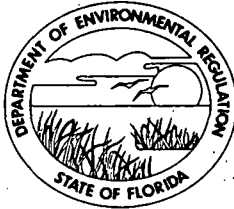


DATE RECEIVED	DATE OF DOCUMENT	TYPE OF DOCUMENT AND Tomoka Farm LF I	WHIS GW Data Case History
2/12/86	2/10/86	GW analyses & well location map.	
2/25/86	2/24/86	biannual water analyses for NPDES. sampling locations	
2/27/86	2/25/86	Notification of GW sampling.	
5/14/86	5/12/86	GW & Surface Water analyses & location map.	
6/23/86	6/19/86	GWMW's static water levels.	
9/2/86	8/27/86	Notification of GW sampling.	
9/5/86	8/28/86	GW & surface water analyses & location map.	
9/11/86	9/3/86	biannual NPDES water analyses.	
12/15/86	12/10/86	Notification of GW sampling	
6/3/87	5/29/87	Notification of GW sampling.	
12/17/86	12/9/86	GWMW's static water levels	
1/12/87	1/8/87	GW & surface water analyses & location map.	
6/22/87	6/18/87	GWMW's static water levels.	
9/23/87	9/21/87	GW & surface water analyses & location map.	
1/4/88	12/28/87	GWM Implementation schedule & GW analyses.	
2/9/88	2/2/88	GW & surface water analyses & location map.	
2/9/88	2/2/88	GWMW's static water levels.	
	5/24/88	A copy of county → EPA Re: NPDES lab analyses.	
6/8/88	6/6/88	B-10 lab analyses.	
12/3/89	11/28/89	GW & surface water analyses & location map.	
3/6/90	3/1/90	GW & surface water analyses & location map (Sample date 12/23/89).	

DATE RECEIVED	DATE OF DOCUMENT	TYPE OF DOCUMENT AND DATE	GW Data Case History Sheet
7/17/80	7/15/80	GW Analyses, holding pond analysis & MO-7 abandonment	
	12/8/80	Background water sample information.	
	12/11/81	Notification of GW sampling (Sp Cond # 5 of 5064-34352)	
	3/2/83	analysis ^{due to no} VOC omission industrial discharge	
8/9/83	8/4/83	GWM report (sampling date 6/6 - 6/7 of 1983)	
10/26/83	10/19/83	Submission of GWMP & GW data from 1977 to present	
10/24/83	10/20/83	GWMW's static water levels.	
10/27/83	10/21/83	Holding pond analyses & monthly discharge for ^{Industrial} Waste Permit.	
3/2/84	2/29/84	GWMW's static water levels & GWM data.	
3/19/84	3/16/84	GW sampling notification.	
5/22/84	5/18/84	GW Analyses & location map.	
	6/25/84	GWMW's Static Water Levels.	
8/2/84	7/31/84	GW Analyses & location map.	
8/30/84	8/29/84	GW sampling notification.	
11/15/84	11/13/84	GW Analyses & location map	
12/5/84	12/4/84	^{Analysis of} GW sampling notification.	
12/17/84	12/13/84	NPDES sampling locations.	
12/18/84	12/13/84	GWMW's static water levels.	
2/26/85	2/22/85	Analyses of NPDES sampling locations	
2/25/85	2/21/85	GW Analyses & location map.	
5/20/85	5/17/85	Notification of GW sampling.	
6/17/85	6/13/85	GWMW's static water levels	
8/14/85	8/12/85	GW analyses & location map.	
9/12/85	9/6/85	Biannual GWM report.	
9/18/85	9/17/85	Notification of GW sampling.	
12/5/85	11/27/85	GW analyses & location map.	
12/5/85	12/3/85	Notification of GW sampling.	
12/18/85	12/12/85	GWMW's static water levels.	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

A. ALEXANDER, P.E.
ALEX SENKEVICH
DISTRICT MANAGER

March 7, 1984

Thomas M. McClelland
Director of Public Works
Volusia County
136 North Florida Avenue
DeLand, Florida 32720

OSJ-SW-84-0047

I. D. Number: 64C00071
Ref. Permit Number: S064-34352
G.W.M.P. Issued: 3-7-84
Expiration Date: 7-7-86
County: Volusia
Lat. 29°07'43"/Long. 81°05'35"
Section: 3,4,9,10, Township 16S
Range: 32E
Project: Groundwater Monitoring
Tomoka Landfill Class I

Dear Mr. McClelland:

Your Groundwater Monitoring Plan has been approved subject to the following specific conditions:

1. The Sampling Schedule and Analytical Parameters form covering the period from March 1984 through July 1986 is attached.
2. A copy of the analysis shall be presented to the department within 10 days after the receipt of the laboratory analyses.
3. In the event there are indications of contamination, more frequent sampling shall be performed, as specified by the department.
4. Monthly water table measurements and loggings of all monitoring wells shall be recorded, and a copy of these records shall be sent to the department on January and August of each year.
5. Each well analysis shall be recorded on the appropriate DER Form 17-1.216(2). (Copy forms attached.)

Thomas M. McClelland
OSJ-SW-84-0047
Page Two
March 7, 1984

6. A new operating permit application together with a monitoring plan shall be submitted 60 days prior to the expiration date of this monitoring plan and the expiration of the landfill permit, in accordance with Rule 17-4.09 Florida Administrative Code.
7. In the event that there is an indication of contamination at any sampling point, the department must be notified within 5 days and the sampling point must be resampled within 10 days. Both results shall be forwarded to the department together with a report of actions that may be needed to mitigate the problem.
8. After one year of sampling, the department may be requested to modify the sampling parameters and schedule.

Sincerely,

A. T. Sawicki

A. T. Sawicki, P.E.
Hazardous/Solid Waste
Engineering

JMC
ATS:jmc

cc: J. Reese, DER/SW Tallahassee
Jim Griffin, Vol. Co. SW Supervisor
Berry Appleby, Vol.Co. Environmental
Services

SAMPLING SCHEDULE AND ANALYTICAL PARAMETERS

S064-34352

ID # 64C00071 PERMIT # _____ SITE NAME Tomoka Landfill COUNTY Volusia

CLASS I NUMBER OF WELLS 7 WATER NUMBER, SURFACE DISCH. POINTS 4

SAMPLING MONTHS March (3) / June (6) / Sept. (9) / Dec. (12)

Sampling schedule from March 1984 through July 1986

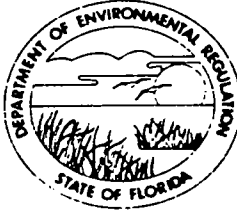
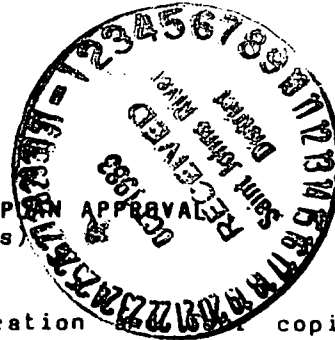
SAMPLING POINTS

SAMPLING SCHEDULE

ANALYTICAL PARAMETERS

Well ID	SURFACE DISCH. POINTS	QUARTERLY	SEMI-ANNUALLY	PRIMARY	SECONDARY	PURGABLES VOC. PCB PESTICIDE SCAM
U & C FA1 64A71M13		March (3) Sept. (9)		Indicators Indicators		
		June (6) Dec. (12)		X Indicators	X	X Sept.
D & C FA2 64A71M14		March (3) June (6)		Indicators Indicators		
		Sept. (9) Dec. (12)		X Indicators	X	X Sept.
C - B2 64A71M01			June (6)	Indicator		
			Dec. (12)	Indicator		
C & I B3 64A71M15			June (6)	Indicator		
		Sept. (9)	Dec. (12)	X Indicator	X	Dec. 84, 86.
C & I B4 64A71M08		March (3) June (6)		Indicators X	X	June 85
		Sept. (9) Dec. (12)		Indicators X	X	
C B5 64A71M02		March (3) June (6)		Indicators X	X	Sept. 86
		Sept. (9) Dec. (12)		Indicators Indicators		
C B6 64A71M11		March (3) June (6)		Indicator Indicator		
		Sept. (9) Dec. (12)		X Indicator	X	Sept. 84
SB2 Pond A 64A71S02		March (3) Sept. (9)	Per DER Permit IO64-39230 Item #2			
S04 Weir 64A71S04			Per DER Permit IO64-39230 Item #2			
Canal Pump 64A71S03			Per DER Permit IO64-39230 Item #2			
Canal Swamp 64A71S08		March (3) June (6)	Per Item #2 of Permit IO64-39230			
		Sept. (9) Dec. (12)	After Pumping NO to be included			
						If contamination is indicated on the Weir samples of Dec. 84, 85, 86, then canal at th swamp shall be sampled within 30 days.

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER
DISTRICT3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYALEX SENKEVICH
DISTRICT MANAGERAPPLICATION FOR MONITORING PLAN APPROVAL
(Existing Sources)

INSTRUCTIONS: Submit four copies of this application and four copies of supporting information such as laboratory reports, maps and other documents to the appropriate District Office.

PART I - General Information

In compliance with Florida Administrative Code Rule 17-4.245(6)(c)2., the undersigned installation owner applies for approval from the Department for the monitoring criteria on the following property owned by:

<u>County of Volusia</u>				<u>S064-34352</u>
<u>Corporation or Owner's Name</u>				<u>Permit No.</u>
<u>Volusia County SW Tomoka Landfill (Tomoka Farms Road Landfill)</u>				
<u>Installation Name</u>				<u>SIC Code</u>
<u>136 North Florida Avenue</u>	<u>DeLand, Florida</u>	<u>32720</u>	<u>Volusia</u>	<u>29.08. "N 81.05. 30" W</u>
<u>Street Address</u>	<u>City</u>	<u>Zip</u>	<u>County</u>	<u>Latitude Longitude</u>
<u>1/4 1/4 1/4 of 3.4, 9.4, 10.16S</u>				<u>32E</u>
				<u>Section, Township, Range</u>

FOR SECTION: SEE LEGAL DESCRIPTION ATTACHED
OWNER OR AUTHORIZED REPRESENTATIVE (If representative, attach letter of authorization.)

<u>County of Volusia, Director of Public Works, Thomas McClelland</u>			
<u>Name and Official Title (Print or Type)</u>			
<u>136 North Florida Avenue</u>	<u>DeLand</u>	<u>Florida 32720</u>	<u>904/736-2700</u>
<u>Street</u>	<u>City</u>	<u>State Zip</u>	<u>Telephone Number</u>
<u>Signature: Thomas H. McClelland</u>			<u>Date: 21 Oct 83</u>
<u>Thomas McClelland, Director of Public Works</u>			

PART II - Content of Monitoring Plan

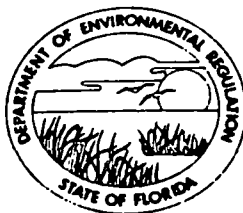
Pursuant to Rule 17-4.245(6)(d), the plan shall contain findings, recommendations and plans for ground water monitoring derived from site specific information. For the type of information to be considered in the development and assessment of the plan, see page two of this form. In any case, the following items must be included:

1. Location(s) of proposed well(s) to sample natural unaffected background water quality and the intermediate and compliance well(s) in the down gradient direction.
2. Construction details of the monitor well(s), including type of casing material, diameter of casing, depth of casing and location of screens.
3. A water sampling and chemical analysis procedure which can determine the natural unaffected background quality of the ground water, and the quality of the receiving ground water in the downgradient intermediate and compliance wells.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER
DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY
ALEX SENKEVICH
DISTRICT MANAGER

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 3064C00071

DATE August 19, 1983

DER PERMIT # S064-34352

Volusia County SW Tomoka Landfill (Tomoka Farms Road Landfill)

Installation Name

<u>136 North Florida Avenue</u>	<u>DeLand</u>	<u>Florida</u>	<u>32720</u>	<u>Volusia</u>
Address	City	State	Zip	County

<u>County of Volusia</u>	<u>Public Works Department</u>
Owner or Authorized Representative's Name	Title

Method of Discharge Ditch

Type of Industry County Landfill

Report for Period June to September
date date

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Thomas M. McClelland

Owner or Authorized Representative's Signature

Thomas McClelland, Director of Public Works

21 Oct 83

Date



5000 U. S. HIGHWAY #1 NORTH

P. O. BOX 607

ORMOND BEACH, FLORIDA

32074

(904) 672-5668

Proposal for Volusia County (Environmental Control Division)

Page 2

IV. March, 1984

A. Organic Analyses Not Required

B. Chemical Analyses - Same as June - \$600 ⁴⁰⁰

C. Mercury Analysis Not Required

D. PCB Analysis Not Required

The yearly contract from June, 1983 to March, 1984, for the above analyses totals \$6,325.

LEGAL DESCRIPTION FOR TOMOKA FARMS ROAD LANDFILL:

N $\frac{1}{2}$ of Section 10; and all of the NE $\frac{1}{4}$ of Section 9; and that part of the NW $\frac{1}{4}$ of said Section 9, lying East of the Florida Power and Light Company power line right of way; and that part of the S $\frac{1}{2}$ of Section 4, lying East of the said Florida Power and Light Company power line right of way; and that part of Section 3, lying West of a straight line drawn between the Southeast corner of the SW $\frac{1}{4}$ of said Section 3 (being also the Northwest corner of the NE $\frac{1}{4}$ of Section 10) and running Northwesterly to the point of intersection of the West line of said Section 3 with the Southeasterly right of way line of Interstate Highway #4 (S.R. 400); and the South 200 feet of the NW $\frac{1}{4}$ of Section 11, lying West of the centerline of Tomoka Farms Road as now used.

August 19, 1983

Tonaka

By PNO 20

Sent

(FA1) P/S
(FA2) P/S
B2 P/S
B3 P/S
(B4) P/S
(B5) P/S
(B6) P/S

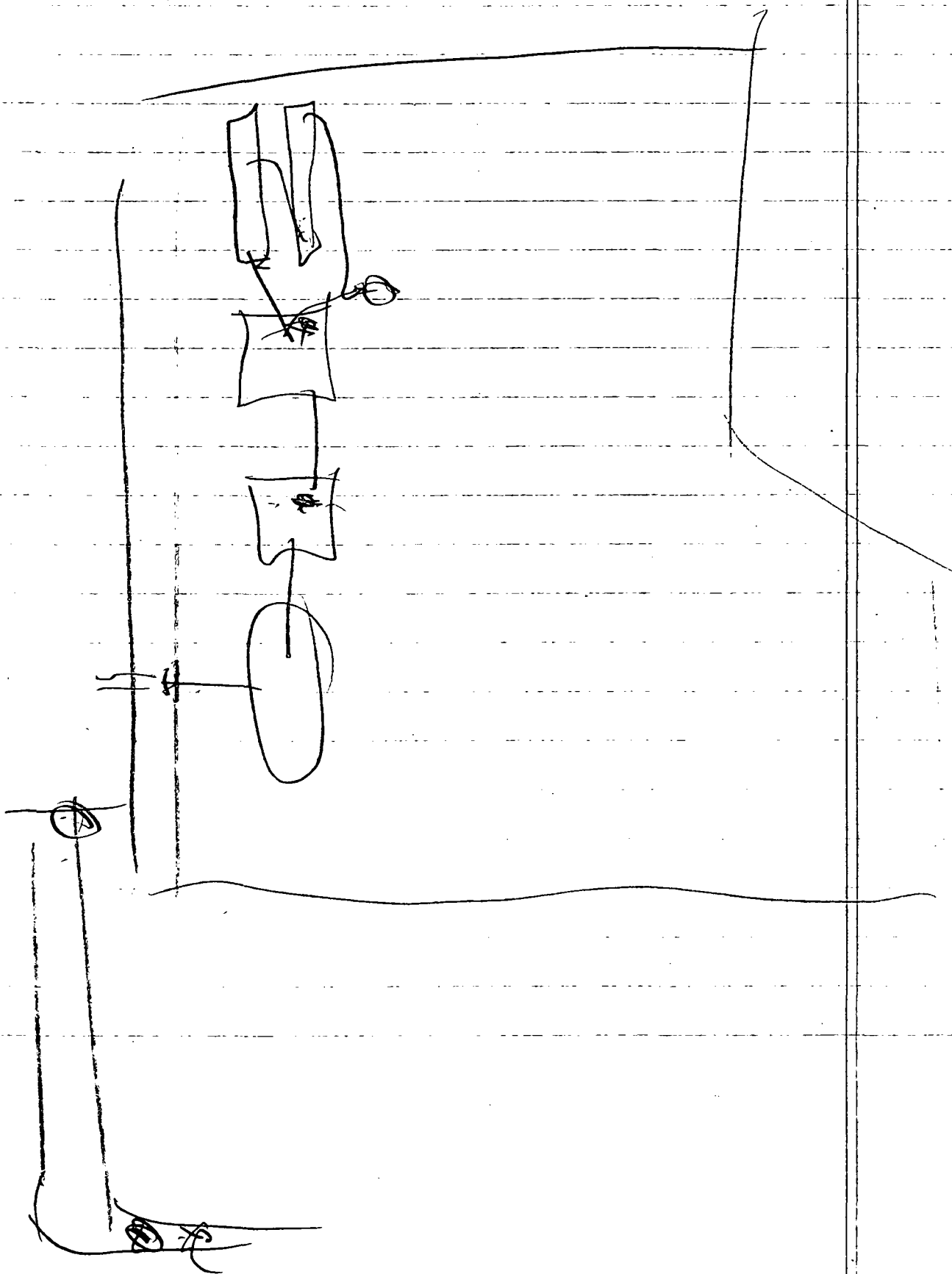
Deck

FA1 P/S
FA2 P/S
B2 P/S
B3 P/S
B4 P/S
B5 P/S
B6 P/S

man-84

PON A IW/P
B IW/P
Wien IW/P
Swamp

PON B IW/P
B IW/P
Wien IW/P



Comments Due Nov. 15, 83

3/15/84

Larry Sims evaluation

The department has completed a review of the ground water monitoring plan for Tomoka Landfill.

Based on information submitted in the Soils and Hydrogeology report by Dr. H. K. Brooks, the monitoring network currently installed should provide reasonable assurance that ~~contamination of the Floridan and~~ ~~surface aquifers is not occurring~~ ^{the} landfill is not contaminating the Floridan and Surface aquifers. The potential for ground water contamination at this site does not appear to be as great as the possibility of surface water contamination from offsite discharges. Surface water sampling should continue on a quarterly basis. Monitoring water quality in wells FA1, FA2, B-5(MO-2) B4(MO-8) and B6(MO-11) should continue on a quarterly basis. The ~~schedule~~ ^{monitoring} schedule submitted through March 1984 is acceptable. Instead of 12 samples for chemical analysis 8 would be sufficient (5 ground water, 3 surface water).

After March 1984 the ~~quarterly~~ ^{quarterly} analyses should be reduced to the following indicator parameters (from the 5 monitor wells and 3 surface water samples): TDS, TOC, ammonium, Nitrate, Org. Nit. Ph, chlorides, SO₄, Specific Conductance, Bicarbonate,

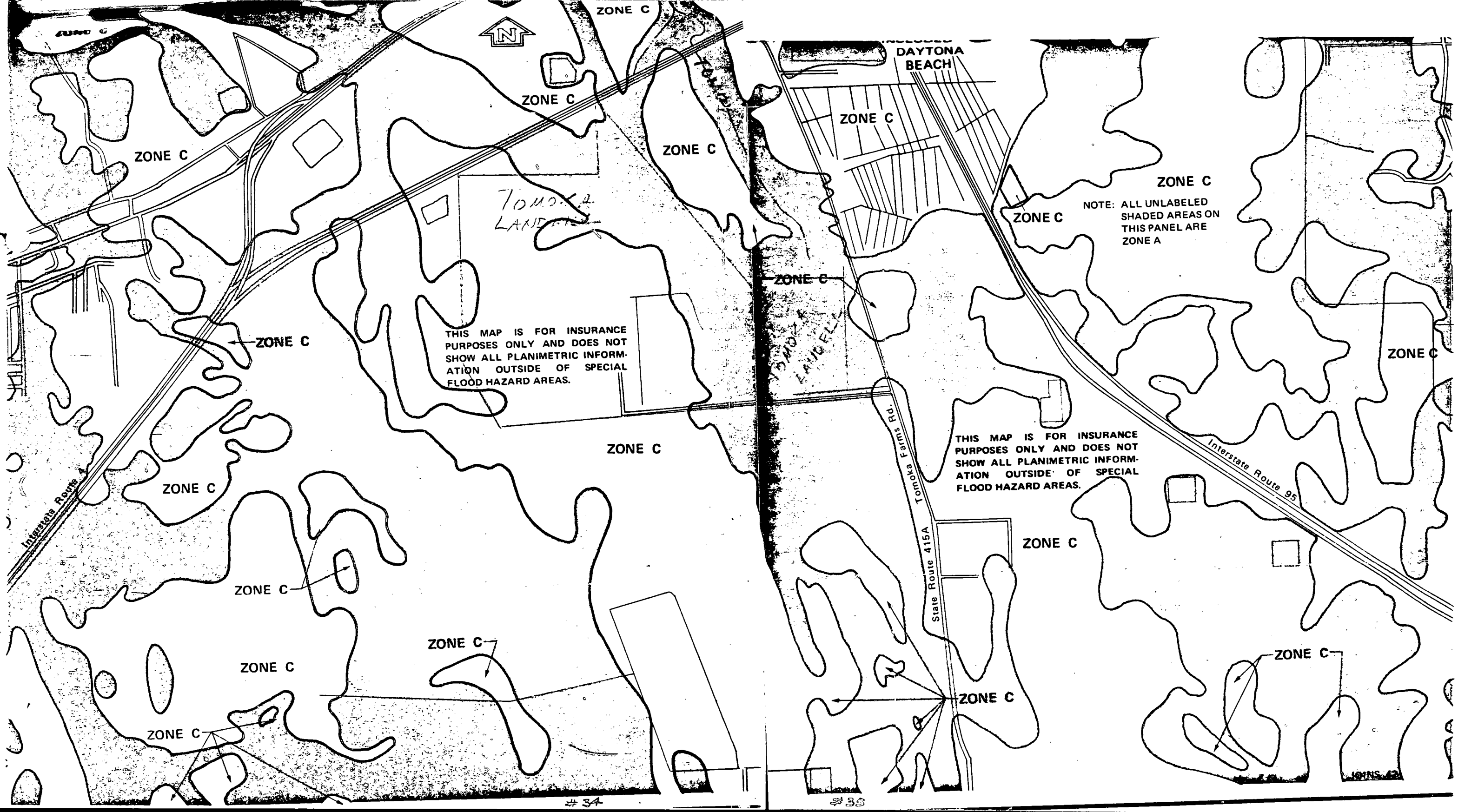
Ca, Mg, Na, K, Fe, Mn, Zn, Hg.

An explanation of the ~~sample taking~~
procedures used during sample collection
and delivery to the lab should be
submitted to the department for review.

TOMOKA LANDFILL

11/14/83 - ATS

1. No filling in flood prone areas; dredge & fill permits may be needed.
2. Appendix L contains 1979 & 1980 water quality data.
3. Peripheral drainage ditch - how will it intercept off-site flows, which way will it flow and is it adequately sized for seasonal events?
4. Dewatering ditch is pumped into holding ponds which overflow through swamp into ^{peripheral} surface drainage ditch which discharges into Tomoka River Swamp. Fill must be kept 200' from these facilities.
5. Computations on size of percolation ponds needed, criteria for sizing, monitoring plan for quality, quantity discharged, treatment facilities if needed, etc needed.



DAYTONA
BEACH

ZONE C

ZONE C

ZONE C

ZONE C

NOTE: ALL UNLABELED
SHADED AREAS ON
THIS PANEL ARE
ZONE A

ZONE C

ZONE C

ZONE C

THIS MAP IS FOR INSURANCE
PURPOSES ONLY AND DOES NOT
SHOW ALL PLANIMETRIC INFORM-
ATION OUTSIDE OF SPECIAL
FLOOD HAZARD AREAS.

ZONE C

THIS MAP IS FOR INSURANCE
PURPOSES ONLY AND DOES NOT
SHOW ALL PLANIMETRIC INFORM-
ATION OUTSIDE OF SPECIAL
FLOOD HAZARD AREAS.

ZONE C

ZONE C

ZONE C

CASE HISTORY SHEET

FULL NAME:

Vol Co / Omaha Farms Ltd

PAGE NUMBER:

~~SO 64-34352~~ SO 64-34352

[illegible]

[illegible]

1980 through 1989 GNM data was archived

87. B. Wallace

County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS
123 W. Indiana Avenue
DeLand, Florida 32720-4262
Printed On Recycled Paper

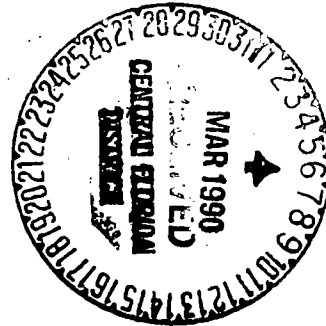


March 1, 1990

Mr. Tom Sawicki, P.E.
Groundwater Section
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

ENTERED OCT 23 1990

RE: Tomoka Landfill Permit #S064-121811
NPDES Permit #FL-0037877
Discharge Permit #IO64-122221
Plymouth Avenue Landfill #S064-58275
Monitoring Wells and Surface Water Analysis



Dear Mr. Sawicki:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analysis reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached. Exceedances are covered in the summary letter prepared by Enviro Lab.

If you require additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Assistant County Manager
for Public Works

TMM:SG:B/jp 01H06
PW-SW-90-123

Enclosures

c: James L. Griffin, Director of Solid Waste Management
Susan M. Gaze, Environmental Specialist
Denise Kemp, Division of Records, St. Johns River Water
Management District, P.O. Box 1429, Palatka, FL 32077
Charles E. Luther, Environmental Specialist, Volusia County
Health Department, 501 S. Clyde Morris Boulevard, Daytona Beach,
FL 32120
Enid Ehrbar, Senior Planner, P.O. Box 29005, Port Orange, FL
32129-0005

COUNTY COUNCIL MEMBERS

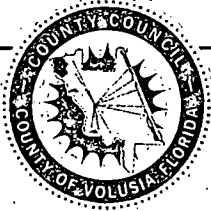
Clay Henderson - At Large
Vicky Jackson - District #2

Big John - At Large
Robert E. Tuttle - District #3

Alice Cycler - District #1
Deanie Lowe - District #4

Roy M. Schleicher - District #5

County of Volusia Florida



DEPAF. IMENT OF PUBLIC WORKS
123 W. Indiana Avenue
DeLand, Florida 32720-4262
Printed On Recycled Paper

Letter Dated

3/1/90.

March 1, 1990

Mr. Roy A. Herwig, P.E.
Enforcement Officer, Compliance Section
U.S. Protection Agency, Region 4
345 Courtland Street
Atlanta, Georgia 30365

RE: NPDES Permit #FL-0037877
Tomoka Landfill, Volusia County, Florida

Dear Mr. Herwig:

In conformance with the requirements of the NPDES #FL-0037877, attached are monthly and quarterly forms for the respective lab analysis report for the designated sampling locations at the Tomoka Landfill (map enclosed).

There were 19,584,000 gallons of stormwater discharged during this quarter. If you need additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Assistant County Manager
for Public Works

TMM:SMG:B/jp 01H07
PW-SW-90-122

Enclosures.

c: Tom Sawicki, P.E., Groundwater Section, Department of
Environmental Regulations, 3319 Maguire Boulevard,
Suite 232, Orlando, FL 32803
James L. Griffin, Director of Solid Waste Management
Susan M. Gaze, Environmental Specialist

COUNTY COUNCIL MEMBERS

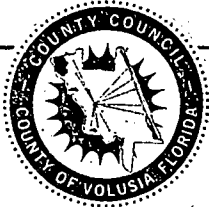
Clay Henderson - At Large
Vicky Jackson - District #2

Robert E. Tuttle - District #3

Big John - At Large
Deanie Lowe - District #4

Alice Cycler - District #1
Roy M. Schleicher - District #5

B. W. McCall
**County of Volusia
Florida**



Entered 10/23/90

DEPARTMENT OF PUBLIC WORKS



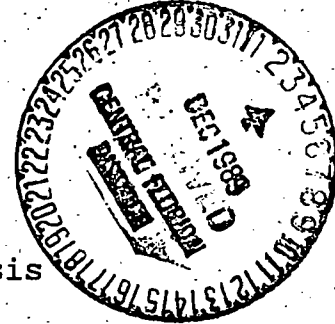
123 W. Indiana Avenue
DeLand, Florida 32720-4262

Printed On Recycled Paper

November 28, 1989

Mr. Tom Sawicki, P.E.
Groundwater Section
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit No. SO 64-121811
NPDES Permit No. FL-0037877
Discharge Permit No. IO 64-122221
Plymouth Avenue Landfill No. SO 64-58275
Monitoring Wells and Surface Water Analysis



Dear Mr. Sawicki:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analysis reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached.

Exceedences are covered in the summary letter prepared by Envirolab.

If you require additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Assistant County Manager for Public Works

TMM:SG:C/lm 28T07
PW-SW-89-51

Enclosures

C: James L. Griffin, Director of Solid Waste Management
Susan M. Gaze, Environmental Specialist for the Department
of Public Works
Denise Kemp, Division of Records, St. Johns River Water
Management District, P. O. Box 1429, Palatka, FL 32077
Charles E. Luther, Environmental Specialist, Volusia County
Health Department, 501 S. Clyde Morris Boulevard, Daytona
Beach, Florida 32120
Enid Ehrbar, Senior Planner, P.O. Box 290005, Port Orange,
Florida 32129-0005

COUNTY COUNCIL MEMBERS

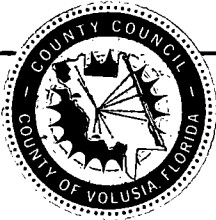
Clay Henderson - At Large
Vicky Jackson - District #2

Big John - At Large
Robert E. Tuttle - District #3

Deanie Lowe - District #4

Alice Cyler - District #1
Roy M. Schleicher - District #5

19
County of Volusia
Florida



December 15, 1988

DEPARTMENT OF PUBLIC WORKS

123 W. Indiana Avenue
DeLand, Florida 32720-4262
Telephone 904/736-2700

Mr. Tom Sawicki, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - I.D. #6400071
Monitoring Wells
Static Water Level

Dear Mr. Sawicki:

Enclosed is the log for monitoring wells static water levels
sampled at Tomoka Landfill for the period of July 1, 1988 through
December 31, 1988.

Very truly yours,

James L. Griffin
Assistant Public Works Director

Enclosures

JLG:SG:jp 15H02
PW-SW-25-88

cc: Thomas M. McClelland, Assistant County Manager
for Public Works
Blanche Wallace, D.E.R. Groundwater Section, 3319 Maguire
Boulevard, Suite 232, Orlando, Florida 32803
Susan M. Gaze, Environmental Specialist

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

VOLUSIA COUNTY TOMOKA LANDFILL

SITE ID #64C00071

STATIC WATER LEVELS

PERMIT #S064-34352

Relative to MSL

FDER WELL ID NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WELL DEPTH FT & MSL	TOP OF WELL IN MSL	HT. OF CASING ABOVE SURFACE	MONTH DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	TIME SAMPLE TAKEN
B2 = 64A71M01							26.37	25.45	26.4	26.41	26.36	27.35		31.45		7-12	FFS	P	AM
B4 = 64A71M08							16.59	15.64	15.66	16.65	16.59	18.67		27.69		7-12	FFS	P	
B5 = 64A71M02							25.69	24.77	25.69	25.71	25.69	26.71		31.80		7-12	FFS	P	AM
B6 = 64A71M11							16.27	15.30	15.28	16.24	15.30	17.30		27.30		7-12	FFS	P	AM
FA - 1B							16.24	16.18	16.23	17.23	17.16	18.26		32.26		7-12	FFS	P	AM
FA - 2B							12.89	12.79	12.09	13.84	13.08	15.80		26.90		7-12	FFS	P	AM
B - 1 - B							16.24	15.31	15.03	16.27	16.21	18.29		27.31		7-12	FFS	P	AM
B - 3 - B							16.11	15.15	15.17	17.07	16.13	19.11		27.17		7-12	FFS	P	AM
MD - 5 - B							16.20	15.23	15.24	16.24	16.18	19.18		29.24		7-12	FFS	P	AM
B - 7 - B							24.38	23.45	24.44	24.44	24.04	25.46		29.46		7-12	FFS	P	
B - 8 - B							17.94	22.98	17.92	17.99	17.96	19.91		33.02		7-12	FFS	P	AM
B - 9 - B							22.25	22.16	22.07	23.68	22.74	24.76		30.76		7-12	FFS	P	AM
B-10-							26.15	27.12	27.15	27.02	27.19	29.10		32.20		7-12	FFS	P	AM

NOTE: B5=64A71M02 (Subtract 1" from this water table reading).

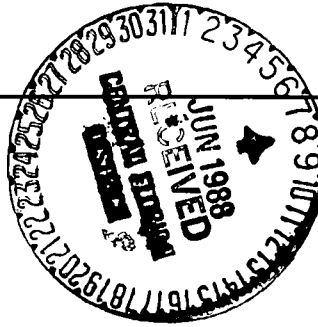
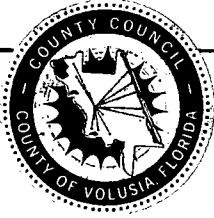
Well Casing: P = PVC; G = Galvanized; S = Steel; T = Teflon; C = Cast Iron.



County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



3064A 15206

June 6, 1988

Department of Environmental Regulation
Ground Water Section
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

ATTN: Blanche M. Wallace, CPG

RE: Well B-10 Shallow Groundwater Monitor Well at
Tomoka Landfill

Dear Ms. Wallace:

Enclosed you will find laboratory results of Well B-10,
constructed at the Tomoka Landfill on April 4, 1988.
Resampling of fecal coliform will take place this month with
the routine quarterly samples.

If you require additional information or clarification,
please advise.

Sincerely,

A handwritten signature in cursive script, reading "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:SG:lm 06M03
PW-SW-88-63

Enclosures

cc: Jim Griffin, Assistant Public Works Director
Susan M. Gaze, Environmental Specialist

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cyler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



May 24, 1988

Environmental Protection Agency, Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street Northeast
Atlanta, Georgia 30365

ATTN: Peter D. McGarry, Chief, Florida/Mississippi Unit

RE: NPDES No. FL-0037877

Dear Mr. McGarry:

In conformance with the requirements of NPDES No. FL-0037877 attached are monthly and quarterly forms for the respective lab analyses report for the designated sampling locations at the Tomoka Landfill (map enclosed).

If you need additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Director of Public Works

TMM:SG:lm 24T09
PW-SW-88-58

Enclosures

cc: Juanita Bader Clem, Ground Water Section, DER, 3319
Maguire Boulevard, Suite 232, Orlando, FL 32813
Denise Kemp, Division of Records, St. Johns River Water
Management District, P.O. Box 1429, Palatka, FL 32077
Charles E. Luther, Environmental Specialist, Volusia
County Health Department, 501 S. Clyde Morris Blvd,
Daytona Beach, FL 32020
Enid Ehrbar, Senior Planner, P. O. Box 290005, Port
Orange, Florida 32029-0005
James L. Griffin, Assistant Public Works Director
Susan M Gaze, Environmental Specialist

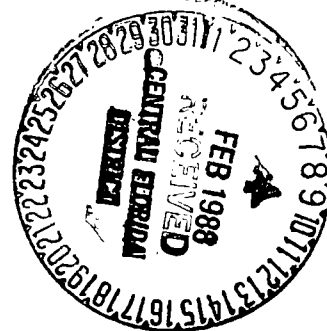
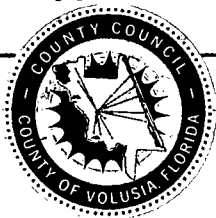
COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cyler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Dollner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



February 2, 1988

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64000071
Monitoring Wells
Static Water Level

Dear Mr. Collins:

Enclosed is the log for monitoring wells static water levels sampled at Tomoka landfill for the period of July 1, 1987, through December 31, 1987.

Very truly yours,

James L. Griffin
Assistant Public Works Director

JLG:SG:mb 02T07
PW-SW-88-26

Enclosure

cc: Thomas M. McClelland, Director of Public Works
Juanita Bader Clem, D.E.R., 3319 Maguire Boulevard,
Suite 232, Orlando, Florida 32803

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

VOLUSIA COUNTY TOMOKA LANDFILL

SITE ID #64C00071

STATIC WATER LEVELS

PERMIT #S064-34352

STATIC WATER LEVELS ARE RELATIVE TO MSL

FDER WELL ID NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	WELL DEPTH FT & MSL	TOP OF WELL IN MSL	HT. OF CASING ABOVE SURFACE	DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	TIM SAMP TAKE
B2 = 64A71M01							25.95	20.75	27.15	27.45	28.45	28.15		31.45		12/2	FFS	PVC	
64A71M08							17.09	16.19	18.19	18.19	20.59	20.29		27.69		12/2	FFS	PVC	
B5 = 64A71M02							25.4	24.9	26.3	26.9	27.0	26.70		31.80	-	12/2	FFS	PVC	
B6 = 64A71M11							17.3	16.5	19.19	17.8	20.3	20.40		27.30		12/2	FFS	PVC	
FA - 1B							17.16	17.16	18.76	18.06	20.16	20.06		32.26		12/2	FFS	PVC	
FA - 2B							14.79	13.3	15.3	14.9	16.8	17.79		26.90		12/2	FFS	PVC	
B - 1 - B							17.21	16.31	17.91	17.91	19.51	20.31		27.31		12/2	FFS	PVC	
B - 3 - B							16.37	16.17	18.17	19.07	19.87	21.07		27.17		12/2	FFS	PVC	
MD - 5 - B							16.54	16.24	18.24	18.04	19.74	21.13		29.24		12/2	FFS	PVC	
7 - B							24.26	23.86	22.76	26.36	25.86	25.86		29.46		12/2	FFS	PVC	
B - 8 - B							18.62	17.92	19.52	19.02	20.42	20.82		33.02		12/2	FFS	PVC	
B - 9 - B							23.76	23.16	23.06	25.66	25.26	25.06		30.76		12/2	FFS	PVC	

NOTE: B5=64A71M02 (Subtract 1" from this water table reading).

Well Casing: P = PVC; G = Galvanized; S = Steel; T = Teflon; C = Cast Iron.

INTEROFFICE MEMORANDUM

For Routing To District Offices
And/Or To Other Than The Addressee

To: _____	Locn.: _____
To: _____	Locn.: _____
To: _____	Locn.: _____
From: _____	Date: _____

CENTRAL FLORIDA DISTRICT

TO : File

THROUGH : Kris Tulloch / Sharon Coombs
Data Center

THROUGH : Blanche Wallace *Bmw*
Ground Water Section

FROM : Juanitta Bader Clem *JBC*

DATE : 2-10-88

SUBJECT : Groundwater Monitoring Analysis Reports

1. Facility Name: TOMOKA LANDFILL
2. Facility GMS: 3069C00071
3. Groundwater Monitoring Plan Status: APPROVED AS PART OF
~~THE~~ THE PERMIT
4. GWMP Approval/Denial Date: _____
5. Date Entered : ENTERED MAR 03 1988

FA-213 is looking considerably different than FA-1B
- These are Floridan wells

JBC/sy

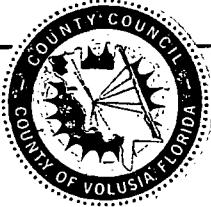
FACILITY NAME TOMOKA (SURFACE WATER) County VOZUISIA GMS ID No. 3064C00071

~~WELL #~~ _____ ~~GMS SITE NO.~~ _____ ~~DESIGNATION~~ _____ ~~TOTAL DEPTH~~ _____ ~~CASING DEPTH~~ _____

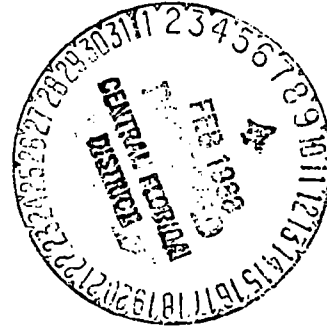
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County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



February 2, 1988



Juanita Bader Clem
Ground Water Section
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-¹²¹⁸¹¹34352, #ID-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Wells and Surface Water Analyses

Dear Mrs. Clem:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill Systems. Location maps of the well systems are attached. Excedences are covered in the Summary letter, prepared by Envirolab.

If you require additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Director of Public Works

TMM:SG:mb 02T04
PW-SW-88-23

Enclosures

cc: James L. Griffin, Assistant Public Works Director
Susan M. Gaze, Environmental Specialist, DPW
Denise Kemp, Division of Records, St. Johns River
Water Management District, P. O. Box 1429,
Palatka, Florida 32077
Charles E. Luther, Environmental Specialist, Volusia
County Health Department, 501 South Clyde Morris
Boulevard, Daytona Beach, Florida 32020

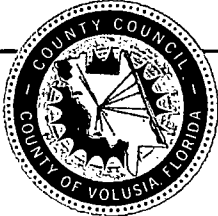
COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



December 28, 1987

Blanche M. Wallace, CPGS
Environmental Specialist
Ground Water Section
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803



RE: Volusia County - SW/GW
Tomoka Farms Road Landfill
Ground Water Monitoring Plan
Permits No. S064-121811 and No. IO-122221

Dear Ms. Wallace:

The following information enclosed will complete the
Ground Water Monitoring Plan Implementation Schedule.

Reference your request of November 2, 1987 (see attachments) under Exhibit 1, Item 4 and Item 10 are completed and enclosed. Also under Specific Conditions #1 dissolved oxygen at SW-3, cadmium and ammonia results of Class III Surface Water are reported and enclosed. For your convenience, I have enclosed letters from the County consulting firm regarding Items 5, 6 and 11.

Please contact Susan Gaze, Environmental Specialist at (904) 258-3465 if you have any questions or require any further information.

Sincerely,

A handwritten signature in cursive script that reads "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:SMG:mb 28M12
PW-SW-87-15

Enclosures

cc: Jim Griffin, Assistant Public Works Director
Susan M. Gaze, Environmental Specialist

Class III Sfc wtr std
for NH₄ violated at all
Sfc wtr stations. NH₄=
0.095 mg/l at off site
discharge point. MCL=
0.02 mg/l. BMW 1-7-88

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

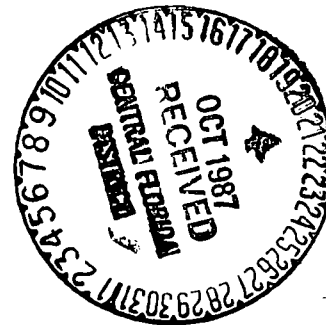
DeLand, Florida 32720

Telephone 904/736-2700



October 15, 1987

Juanita Bader Clem
Ground Water Section
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803



RE: Tomoka Landfill Permit #SO-64-34352, #ID-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring wells and Surface Water Analyses

Dear Mrs. Clem:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill Systems. Location maps of the well systems are attached. Excedences are covered in the summary letter, prepared by Envirolab

Well B9 is being resampled for Fecal Coliform.

If you require additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Director of Public Works

TMM:SG:mb 15H01
PW-SW-87-02

Enclosures

cc: James L. Griffin, Assistant Director of Public Works
Susan M. Gaze, Environmental Specialist, DPW
Denise Kemp, Division of Records, St. Johns River Water Management District, P. O. Box 1429, Palatka, FL 32077
Charles E. Luther, Environmental Specialist, Volusia County Health Department, 501 South Clyde Morris Boulevard, Daytona Beach, Florida 32020

COUNTY COUNCIL MEMBERS

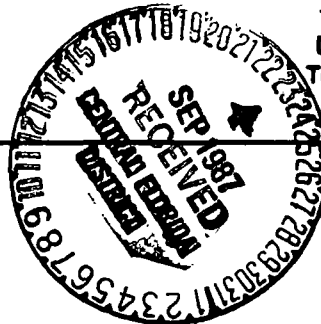
Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



September 21, 1987

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, #ID-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Wells and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill Systems. Location maps of the well systems are attached. To alleviate future delays of reporting this data, the Department of Public Works delegated Envirolab, P.O. Box 607, Ormond Beach, Florida 32074 to perform all analyses of permit monitoring requirements.

If you require additional information or clarification, please advise.

Sincerely,

Thomas M. McClelland
Thomas M. McClelland
Director of Public Works

TMM:SMG:lm 21M01
PW-SW-87-44

Enclosures

cc: James L. Griffin, Assistant Director of Public Works
Susan M. Gaze, Environmental Specialist, DPW
Denise Kemp, Division of Records, St. Johns River Water
Management District, P.O. Box 1429, Palatka 32077
Juanita Bader Clem, D.E.R., 3319 Maguire, Orlando 32803
Charles E. Luther, Environmental Specialist, Volusia
County Health Department, 501 S. Clyde Morris Blvd.,
Daytona Beach, FL 32020

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycier - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

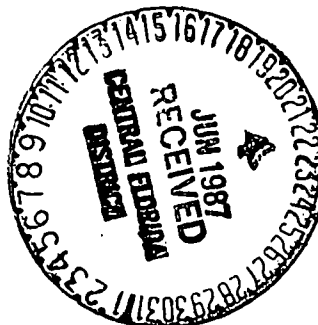


DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700



June 18, 1987

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Collins:

Enclosed is the log for monitoring wells static water levels sampled at Plymouth Landfill for the period of January 1, 1987, through June 30, 1987.

Very truly yours,


James L. Griffin
Assistant Public Works Director

JLG:WWC:mb
PW-SW-87-27

Enclosure

cc: Thomas M. McClelland, Director of Public Works
Juanita Bader Clem, D.E.R., Suite 232, Orlando,
Florida 32803

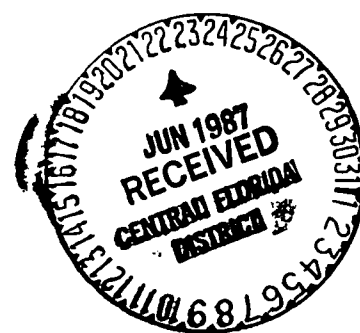
COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
		Roy M. Schleicher - District #5

TOMOKA		PERMIT # SO64-34352														Sample Month/December / June									
WELL IDENTIFICATION NUMBER		20 JAN	17 FEB	31 MAR	16 APRIL	30 MAY	11 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	WELL DEPTH FT. & IN.	TOP OF WELL IN IN.	HIGH OF CA ABOVE SURF.	DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	LAB. PREPARED ANALYSIS	REMARKS				
B2 = 64A71M01		26.45	27.97	28.21	29.43	25.81	25.57								31.45			W.C.	PVC						
A1 = 64A71M13		20.10	21.10	22.15	N	E	W		W	E	L	L			31.34			W.C.	PVC						
A2 = 64A71M14		16.70	17.62	18.98	N	E	W		W	E	L	L			27.86			W.C.	PVC						
B3 = 64A71M15		/	/	/	J	E	T	P	U	M	P	/	/	/	/	/	/	/	/	/					
B2 = 64A71M06		/	/	D	E	S	T	R	O	Y	E	D	/	/	/	/	/	/	/	/					
B4 = 64A71M08		19.45	21.29	21.69	20.29	19.13	17.13								27.69			W.C.	PVC						
B5 = 64A71M02		26.24	27.00	27.40	26.14	26.16	25.16								27.80			W.C.	PVC						
B6 = 64A71M11		19.30	21.82	22.98	21.14	19.66	17.74								27.90			W.C.	PVC						
Domestic 64A71M12		/	/	/	J	E	T	P	U	M	P	/	/	/	/	/	/	/	/	/					
B1 = 64A71M03		/	/	D	E	S	T	R	O	Y	E	D	/	/	/	/	/	/	/	/					
B5 = 64A71M05		21.54	22.90	23.90	N	E	W		W	E	L	L			28.54			W.C.	PVC						
B1 = 64A71M06 New Wells		20.84	21.34	22.14	N	E	W		W	E	L	L			27.24			W.C.	PVC						
FA-1B					20.62	19.40	17.18								32.26										
FA-2B					17.26	16.10	13.62								26.90										
B-1-B					20.21	19.15	16.57								27.38										
B-3-B					14.71	13.53	16.17								27.49										
MO-5-B					20.24	19.24	17.24								27.24										
B-7-B					25.06	24.74	23.58								27.46										
B-8-B					21.02	20.22	18.62								33.22										
B-9-B					24.26	24.26	23.28								30.76										

Well Casing
P = PVC
G = Galva
S = S Steel
T = Teflon
C = Cast

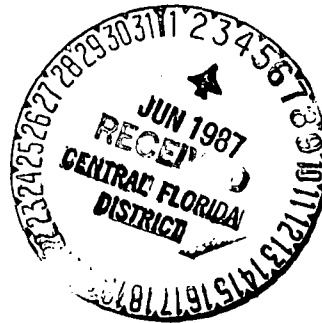
Well Casing:
P = PVC
G = Galva.
S = S Steel
T = Teflo.
C = Cast



County of Volusia Florida

ENVIRONMENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/257-6000



May 29, 1987

Mr. C. M. Collins, P.E.
Hazardous/Solid Waste Engineering
Dept. of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Subject: Plymouth Avenue Landfill, Permit #SO-64-58275
Tomoka Farms Road Landfill, Permits #SO-64-34352 &
#IO-64-39230
Water Sampling Requirements, Volusia County, Florida

Dear Mr. Collins:

This letter will serve to advise you of sampling schedules for the subject landfills for this quarter. The Plymouth Avenue Landfill will be sampled on Tuesday, June 9, 1987 and the Tomoka Farms Road Landfill will be sampled on Wednesday, June 10, 1987.

Equipment has been ordered to facilitate sampling. If this equipment does not arrive in time, it will be necessary to sample on Tuesday, June 16, 1987 and Wednesday, June 17, 1987.

If you should have questions, please feel free to contact us.

Very truly yours,

Michael Gately

Michael Gately, Chemist
Environmental Control Division

MG/bf/WE437

cc: Jim Griffin, Asst. Public Works Director
Wayne Cribbs, Landfill Coordinator
Juanitta Bader Clem, DER, Orlando

COUNTY COUNCIL MEMBERS

Clay Henderson - At Large	Big John - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome N. Doliner - District #3	Judith Conte - District #4
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County of Volusia Florida

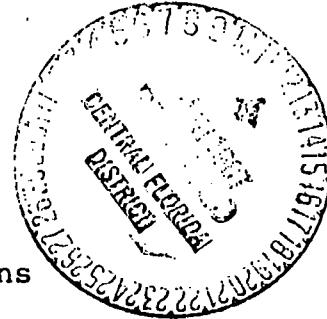
DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



January 8, 1987

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulations
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803



RE: Tomoka Landfill Permit #SO-64-34352, #IO-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Well and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill Systems. Location maps of the well systems are attached. It is my understanding that you have been advised by Chemist Mike Gately of the necessary delays for the third quarter's testing.

If you require additional information or clarification, please advise.

Sincerely,

A handwritten signature in cursive script, reading "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 07W06
PW-SW-87-10

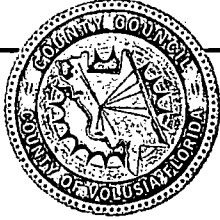
Enclosures

cc: James L. Griffin, Assistant Public Works Director
Denise Kemp, Division of Records, St. Johns River
Water Management District, P.O. Box 1429, Palatka,
FL 32077
David Twedell, D.E.R., 3319 Maguire Blvd, Orlando,
FL 32803
Juanitta Bader Clem, D.E.R., 3319 Maguire, Orlando

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

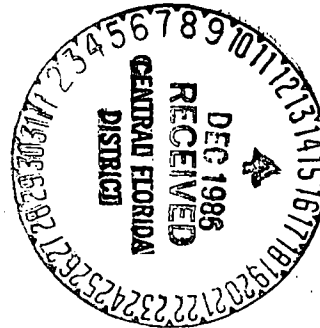
County of Volusia Florida



ENVIRO ENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/257-6000

December 10, 1986



Mr. C. M. Collins, P. E.
Hazardous/Solid Waste Engineering
Dept. of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

Subject: Plymouth Avenue Landfill, Permit #SO-64-58275
Tomoka Farms Road Landfill, Permits #SO-64-34352 &
#IO-64-39230
Water Sampling Requirements, Volusia County, Florida

Dear Mr. Collins:

This letter will serve to advise you of sampling schedules for the subject landfills for this quarter. The Plymouth Avenue landfill will be sampled on Tuesday, December 16, 1986 and the Tomoka Farms Road landfill will be sampled on Wednesday, December 17, 1986.

If you should have questions, please feel free to contact us.

Very truly yours,

Michael Gately

Michael Gately, Chemist
Environmental Control Division

MG/km/WE-437

cc: Mr. Jim Griffin, Asst. Public Works Director
Mr. Wayne Cribbs, Landfill Coordinator
Mr. David Twedell, DER, Orlando

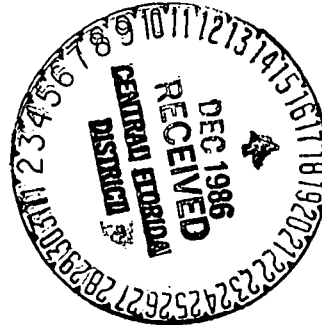
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



December 9, 1986

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64C00071
Monitoring Wells
Statis Water Level

Dear Mr. Collins:

Enclosed is the log for monitoring wells static water levels
sampled at Tomoka Landfill for the period of January 1, 1986,
through December 31, 1986.

Very truly yours,

James L. Griffin
Assistant Public Works Director

JLG:WC:mb 09T04
PW-SW-86-06

Enclosure

cc: Thomas M. McClelland, Director of Public Works
Juanita Bader Clem, D.E.R., Suite 232, Orlando, FL 32803

COUNTY COUNCIL MEMBERS

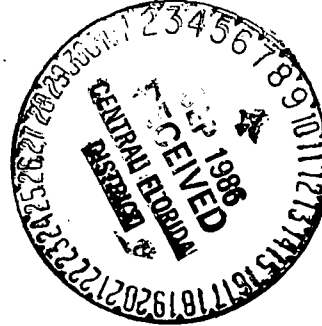
Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

TOMOKA		PERMIT # SO64-34352 1986												Sample Month/December / June 1986									
ER WELL IDENTIFICATION NUMBER		31 JAN	18 FEB	12 MAR	24 APR	15 MAY	19 JUNE	18 JULY	14 AUG	12 SEPT	2 OCT	7 NOV	8 DEC	WELL DEPTH FT. & MSL	TOP OF WELL IN MSL	HIGH OF CAS ABOVE SURF	DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	LAB PREFORM ANALYSIS	REMARKS		
B2 = 64A71M01		27.81	27.45	26.65	26.15	26.21	25.37	25.45	26.97	26.21	25.97	25.45	26.81		31.45		1986	W.C.	PVC				
A1 = 64A71M13		21.62	21.26	20.26	18.39	17.70	17.34	17.28	18.78	19.34	18.62	18.26	19.52		31.34			W.C.	PVC				
A2 = 64A71M14		18.62	17.98	16.86	14.70	13.86	13.86	13.38	15.14	15.98	15.38	15.22	16.38		27.86			W.C.	PVC				
B3 = 64A71M15		/	/	/	J	E	T	P	4	m	j	/	/	/	/	/	/	/	/	/			
#2 = 64A71M06		/	/	D	E	S	T	R	0	Y	E	d	/	/	/	/	/	/	/	/			
B4 = 64A71M08		21.61	21.13	20.05	19.97	16.99	16.29	11.21	18.53	18.97	17.57	17.69	19.69		27.69			W.C.	PVC				
B5 = 64A71M02		21.64	21.19	20.58	25.08	24.92	25.16	25.56	26.48	25.92	25.78	25.92	26.40		31.80			W.C.	PVC				
B6 = 64A71M11		22.22	21.30	20.66	18.30	17.30	16.50	16.30	19.30	19.20	18.58	19.90	19.82		27.30			W.C.	PVC				
Domestic 64A71D12		/	/	/	J	E	T	P	4	T	P	/	/	/	/	/	/	/	/	/			
#1 = 64A71M03		/	/	D	E	S	T	R	0	Y	E	d	/	/	/	/	/	/	/	/			
#5 = 64A71M05		23.30	23.06	22.54	21.22	20.46	19.90	19.15	21.66	21.74	21.14	20.74	22.22		28.54			W.C.	PVC				
B1 = 64A71M06		23.08	22.68	22.08	20.24	19.16	18.24	18.16	20.24	20.44	19.92	19.16	21.24		27.24			W.C.	PVC				

County of Volusia
Florida



September 3, 1986



Environmental Protection Agency
Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street Northeast
Atlanta, Georgia 30365

Attention: Peter D. McGarry, Chief
Florida/Mississippi Unit

RE: NPDES No. FL-0037877
Tomoka Landfill

Dear Mr. McGarry:

In conformance with the requirements of NPDES No. FL-0037877, attached are monthly, quarterly and bi-annual forms and the respective lab analyses report for the designated sampling locations at the Tomoka Landfill (map enclosed). There was no discharge of storm water during this quarter.

If you need additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 03W10
PW-SW-86-46

Enclosures

cc: Charles Collins, Department of Environmental Regulation
Denise Kemp, St. Johns River Water Management District
J. L. Griffin, Assistant Public Works Director
Mike Gately, Chemist, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

CC: Technical Assista
DEPARTMENT OF PUBLIC WORKS 9.12.86
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700
SY

County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

August 28, 1986



Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, #IO-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Well and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached.

If you require additional information or clarification, please advise.

Very truly yours,

A handwritten signature in cursive script, reading "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:WC:lm 28H03
PW-SW-86-45

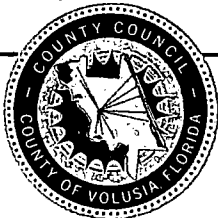
Enclosures

cc: J. L. Griffin, Assistant Public Works Director
Dannise Kemp, Division of Records, S.J.R.W.M.D.
David Twedell, D.E.R.

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida



ENVIRO...MENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/257-6000

August 27, 1986

Mr. C. M. Collins, P. E.
Hazardous/Solid Waste Engineering
Dept. of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



Subject: Plymouth Avenue Landfill, Permit #SO-64-58275
Tomoka Farms Road Landfill, Permits #SO-64-34352 &
#IO-64-39230
Water Sampling Requirements, Volusia County, Florida

Dear Mr. Collins:

This letter will serve to advise you of sampling schedules for the subject landfills for this quarter. The Plymouth Avenue landfill will be sampled on Tuesday, September 23, 1986 and the Tomoka Farms Road landfill will be sampled on Wednesday, September 24, 1986.

If you should have questions, please feel free to contact us.

Very truly yours,

Michael Gateley

Michael Gateley, Chemist
Environmental Control Division

MG/km/WE-437

cc: Mr. Jim Griffin, Asst. Public Works Director
Mr. Wayne Cribbs, Landfill Coordinator
Mr. David Twedell, DER, Orlando

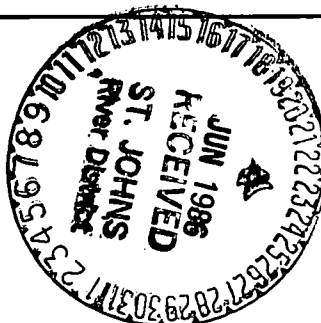
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



PB
Juanita QBC

June 19, 1986

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Collins:

Enclosed is the log for monitoring wells static water levels sampled at Tomoka Landfill for the period of January 1, 1986, through June 30, 1986.

Very truly yours,

James L. Griffin
Assistant Public Works Director

JLG:WWC:mb 19H10
PW-SW-86-39

Enclosure

cc: Thomas M. McClelland, Director of Public Works
Juanita Bader Clem, D.E.R., Suite 232, Orlando,
Florida 32803

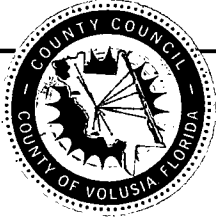
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

Sample Month/December / June 1986

[illegible]

County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

Copy to Chongman Lee
5-22-86 54
File



May 12, 1986

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, #IO-64-39230
Plymouth landfill Permit #SO-64-58275
Monitoring Well and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well and surface water analyses reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached.

If you require additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 12M10
PW-SW-86-37

Enclosures

cc: J. R. Armstrong, DER, Environmental Specialist
J. L. Griffin, Assistant Public Works Director
Barry Appleby, Environmental Control
Mike Gately, Environmental Control

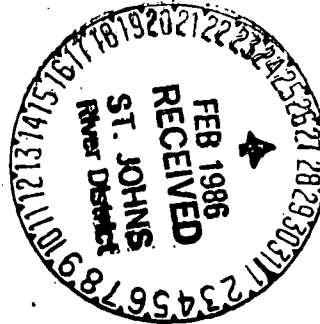
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

ENVIRONMENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/254-4600



February 25, 1986

Mr. C. M. Collins, P. E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

SUBJECT: Plymouth Avenue Landfill Permit #S0-64-58275
Tomoka Farms Road Landfill Permits #S0-64-34352 & I064-39230
Water Sampling Requirements, Volusia County, Florida

Dear Mr. Collins:

This letter will serve to advise you of sampling schedules for the subject landfills this quarter. The Plymouth Avenue Landfill will be sampled on Tuesday March 18, 1986, and the Tomoka Farms Road Landfill will be sampled on Wednesday, March 19, 1986.

If you should have questions, feel free to contact us.

Sincerely,

Michael Gately

Michael Gately, Chemist
Environmental Control Division

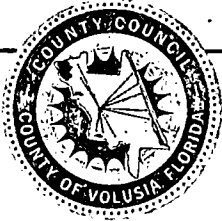
MG/mmr

cc: Mr. Jim Griffin, Assistant Director, Public Works Department
Mr. Wayne Cribbs, Landfill Coordinator
✓ Mr. John McManamy, DER
Mr. Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia
Florida



File
DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

February 24, 1986



Environmental Protection Agency
Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street, Northeast
Atlanta, Georgia 30365

Attention: Peter D. McGarry, Chief
Florida/Mississippi Unit

RE: NPDES No. FL-0037877
Tomoka Landfill

Dear Mr. McGarry:

In conformance with the requirements of NPDES No. FL-0037877, attached are monthly, quarterly and biannual forms and the respective lab analyses report for the designated sampling locations at the Tomoka Landfill (map enclosed).

If you need additional information or verification, please advise.

Very truly yours,

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 24M02
PW-SW-86-24

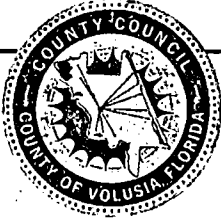
Enclosures

cc: Charles Collins, Department of Environmental Regulation
J. L. Griffin, Assistant Public Works Director
Mike Gately, Chemist, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large Big John - At Large John W. Summers - District #1
Frank T. Bruno - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Roy M. Schleicher - District #5

County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

February 10, 1986



Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, No. IO-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Well and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well analyses reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached.

Please note that the reports include secondary parameters which are being furnished to John R. Armstrong, D.E.R. Environmental Specialist in conformance with Section 17-4.245 F.A.C.

If you require additional information or clarification, please advise.

Sincerely,

A handwritten signature in cursive script that reads "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 10M04
PW-SW-86-20

Attachment

cc: ✓ John McManamey, D.E.R.
James L. Griffin, Assistant Public Works Director
Barry Appleby, Environmental Control
Mike Gately, Chemist, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schelcher - District #5

3-8

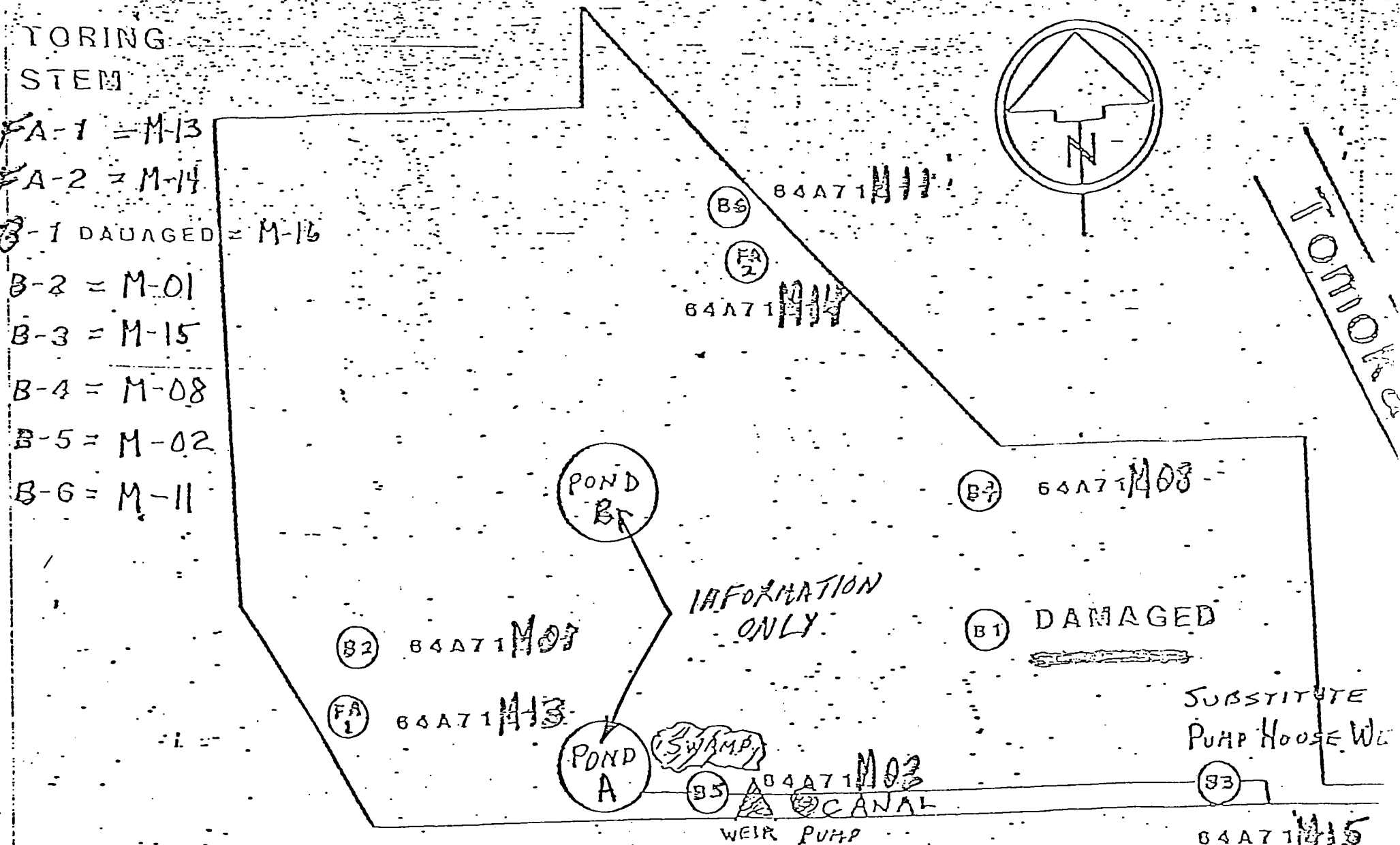
~~A~~-2 = M-14

3-1 DANGEROUS - M-16

B-2 = M-01

B-3 = M-15

B-4 = M-08

$$B-5 = M-02$$
$$B-G = M-11$$


PERMIT 50-64-34352

County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



November 27, 1985

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Subject: Tomoka Landfill Permit #SO-64-34352, #IO-64-39230
Plymouth Landfill Permit #SO-64-58275
Monitoring Well and Surface Water Analyses

Dear Mr. Collins:

In accordance with the specific conditions of the above referenced permit, enclosed are Monitoring Well Analyses Reports for the Tomoka and Plymouth Landfill system. Location maps of the well systems are attached.

Please note that Wells MO5 and M11 at Plymouth Landfill have had significant reduction of the level of nitrate.

If you require additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 27W07
PW-SW-85-10

Enclosure

cc: ✓ John McManamey, DER
J. L. Griffin, Assistant Public Works Director
Barry Appleby, Environmental Control Office
Mike Gately, Chemist, Environmental Control Office



COUNTY COUNCIL MEMBERS

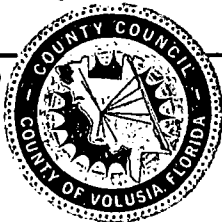
Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Dollner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

*F. to Sample
Data Folder*

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



December 12, 1985

Mr. Charles M. Collins, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill
ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Collins:

Enclosed is the log for monitoring wells static
water levels sampled at Tomoka Landfill for the period
January 1 through December 31, 1985.

Very truly yours,

J. L. Griffin

J. L. Griffin
Assistant Public Works Director

JLG:WC:mb 12H01
PW-SW-85-11

Enclosure

✓ cc: Thomas M. McClelland, Director of Public Works
John McManamy, D.E.R.

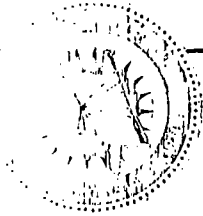
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

VOLUSTIA		SITE ID # 64C00071												SITE SUPERVISOR						
TOMOKA		PERMIT # SO64-34352												Sample Month/December / June						
WELL IDENTIFICATION NUMBER	15 JAN	16 FEB	18 MAR	19 APRIL	21 MAY	1 JUNE	18 JULY	7 AUG	4 SEPT	8 OCT	5 NOV	10 DEC	WELL DEPTH I FT. & MSL	TOP OF WELL IN MSL	HIGH OF CAST ABOVE SURFACE	DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	LAB PREFORMI ANALYSIS	REMARKS
B2 = 64A71M01	26.81	26.45	25.89	25.46	25.63	25.21	26.13	27.45	27.97	27.45	27.81	26.65		31.45	28.20	1985	W.C.	PVC		
BAL = 64A71M13	26.62	19.62	18.10	17.70	17.02	16.62	19.34	19.86	21.54	21.34	22.96	21.90		31.34	28.30		W.C.	PVC		
BAP = 64A71M14	17.70	16.38	14.62	14.06	13.30	14.54	15.79	15.88	18.46	18.38	19.41	18.62		27.66	25.10		W.C.	PVC		
B3 = 64A71M15	/	/	/	/	/	/	/	/	/	/	/	/		/	/		/	/	/	
#2 = 64A71M06	/	/	D	E	S	X	R	O	S	R	S	/		/	/		/	/	/	
B4 = 64A71M08	20.21	19.61	18.39	17.69	17.13	16.53	19.13	20.13	21.81	21.61	21.99	20.89		27.19	24.70		W.C.	PVC		
B5 = 64A71M02	25.32	25.16	25.00	24.92	25.56	24.92	26.00	26.48	27.08	25.64	26.48	25.80		31.40	29.30		W.C.	PVC		
B6 = 64A71M11	20.66	19.98	18.58	17.82	17.28	17.14	19.66	20.50	22.90	22.44	22.79	21.22		27.30	25.30		W.C.	PVC		
Domestic 64A71M12	/	/	J	E	X	/	P	L	M	P	/	/		/	/		/	/	/	
#1 = 64A71M03	/	/	D	E	S	X	R	O	S	E	/	/		/	/		/	/	/	
#5 = 64A71M05	22.74	22.66	22.22	21.80	22.98	21.14	23.22	23.06	24.30	23.54	23.19	22.82		28.59	26.10		W.C.	PVC		
B1 = 64A71M06	21.76	21.24	20.00	19.60	18.92	18.69	21.18	22.08	23.82	23.24	23.44	22.44		27.24	25.60		W.C.	PVC		

Well Casing
P = PVC
G = Galvanized
S = S Steel
T = Teflon
C = Cast Iron

County of Volusia
Florida

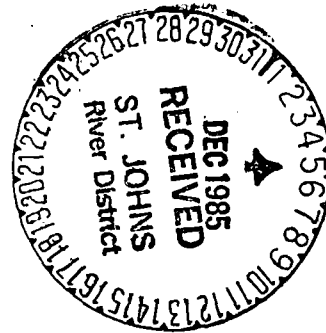


*File
Volusia Co
Tomoka h.f.*

ENVIRONMENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/254-4600

December 3, 1985



Mr. C.M. Collins, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

SUBJECT: Plymouth Avenue Landfill Permit #SO-64-58275
Tomoka Farms Road Landfill Permits #SO-64-34352 & IO64-39230
Water Sampling Requirements, Volusia County, Florida

Dear Mr. Collins:

This letter will serve to advise you of sampling schedules for the subject landfills this quarter. The Plymouth Avenue Landfill will be sampled on Tuesday, December 17, 1985, and the Tomoka Farms Road Landfill will be sampled on Wednesday, December 18, 1985.

If you should have questions, feel free to contact us.

Sincerely,

Michael Gately

Michael Gately, Chemist
Environmental Control Division

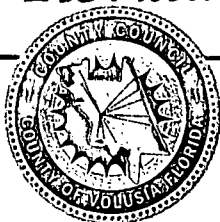
MG/jb

cc: Mr. Jim Griffin, Assistant Public Works Director
Mr. Wayne Cribbs, Public Works Landfill Coordinator
Mr. John McManamy, DER
Mr. Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large Big John - At Large John W. Summers - District #1
Frank T. Bruno - District #2 Jerome (Jerry) N. Doliner - District #3 Kurt Massfeller - District #4 Roy M. Schleicher - District #5

County of Volusia Florida



ENVIRONMENTAL CONTROL DIVISION

1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/254-4600

September 17, 1985



Mr. Leonard P. Kozlov, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

SUBJECT: Plymouth Avenue Landfill Permit #SO-64-58275
Tomoka Farms Road Landfill Permit #SO-64-34352
Water Sampling Requirements Volusia County, Florida

Dear Mr. Kozlov:

This letter will serve to advise you of sampling schedules for the subject landfills this quarter. Plymouth Avenue Landfill will be sampled on Tuesday, September 24, 1985, and Tomoka Farms Road Landfill will be sampled on Wednesday, September 25, 1985.

Attempts to contact personnel in DER, Tallahassee, concerning the recent amendments to 17-4.245 have resulted in a delay of this notification, but Mr. John McManamy was contacted by telephone this date and has accepted this schedule.

If you should have questions, feel free to contact us.

Sincerely,

Michael Gateley

Michael Gateley, Chemist
Environmental Control Division

MG/jb

cc: Mr. Jim Griffin, Assistant to Public Works Director
Mr. Wayne Cribbs, Public Works Landfill Coordinator
Mr. John McManamy, DER
Mr. Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida



September 6, 1985

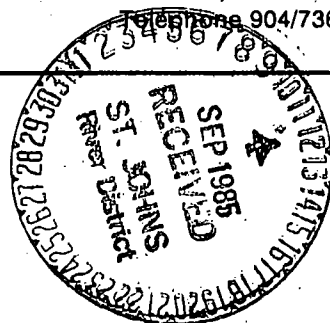
DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700

John



Environmental Protection Agency
Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street, NE
Atlanta, Georgia 30365

Attn: Peter T. McGarry
Chief, Florida/Mississippi Unit

Subject: NPDES #FL-0037877
Tomoka Landfill

Dear Mr. McGarry:

Enclosed are forms and analyses reports of the biannual monitoring samples from Tomoka Landfill which were inadvertently omitted from our submittal dated August 15, 1985.

I regret the oversight and request that you attach the enclosed to the original report. Copies are being forwarded to the Florida Department of Environmental Regulation.

Thank you for your attention to this matter.

Very truly yours,

Thomas M. McClelland

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 06F12
PW-SW-85-41

Enclosure

cc: Leonard T. Kozlov, Department of Environmental Regulation,
J. L. Griffin, Assistant Public Works Director
Susan Gaze, Chemist
Mike Gately, Chemist

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

County of Volusia Florida

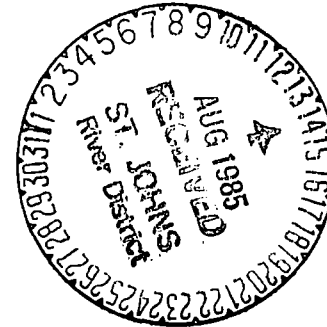


August 12, 1985

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

John



Mr. Leonard T. Koslov, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permits #SO-64-34352, #IO-64-39230
Plymouth Landfill Permit #SO-64-0088
Monitoring Well and Surface Water Analyses

Dear Mr. Koslov:

In accordance with the specific conditions of the above
referenced permits, enclosed are monitoring well analyses
reports for the Tomoka and Plymouth Landfill systems.
Location maps of the well systems are attached.

There are no reports on Permit #IO-64-32920 as there has
been no discharge since October of 1984. There are no
reports on wells M-05 and M-11 at Plymouth Landfill as the
water level has dropped below the well point.

If you require additional information or clarification,
please advise.

Very truly yours,

Thomas M. McClelland

Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 12M08
PW-SW-85-37

Enclosures

cc: John McManamy, DER
James L. Griffin, Assistant Public Works Director
Barry Appleby, Environmental Control Officer

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

File
County of Volusia
Florida

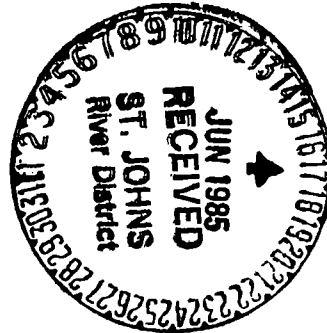


John

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

June 13, 1985



Mr. Leonard T. Kozlov
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Kozlov:

Enclosed is the log for monitoring wells static water levels sampled at Tomoka Landfill for the period of January 1, 1985, through June 31, 1985.

Very truly yours,

A handwritten signature in cursive script, reading "James L. Griffin".

James L. Griffin
Assistant Public Works Director

JLG:WWC:mb 13H19
PW-SW-85-31

Enclosure

cc: Thomas M. McClelland, Director of Public Works
John McManamy, D.E.R., 3319 Maguire Boulevard, Suite 232,
Orlando, Florida 32803

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

SITE ID # 64C00071

PERMIT # S064-34352

Sample Month/December / June

REMARKS

B2 = 64A71M01	26.81	26.45	25.89	25.45	25.63	25.21								31.45	29.20	1985	W.C.	PVC		
FA1 = 64A71M13	20.62	19.62	18.10	17.70	17.02	16.62								31.34	28.30		W.C.	PVC		
FA2 = 64A71M14	17.70	16.38	14.62	14.06	13.30	14.54								27.86	25.10		W.C.	PVC		
B3 = 64A71M15	/	/	/	/	/	/	P	4	m	P	/	/	/	/	/	/	/	/	/	/
#2 = 64A71M06	/	/	D	E	S	T	R	O	Y	E	d	/	/	/	/	/	/	/	/	/
B4 = 64A71M08	20.21	19.61	18.37	17.69	17.13	16.53								27.69	24.70		W.C.	PVC		
B5 = 64A71M02	25.32	25.16	25.00	24.92	25.56	24.92								31.40	29.30		W.C.	PVC		
B6 = 64A71M11	20.66	19.98	18.58	17.82	17.30	17.14								27.30	25.30		W.C.	PVC		
Domestic 64A71D12	/	/	J	E	T		P	4	m	P	/	/	/	/	/	/	/	/	/	/
#1 = 64A71M03	/	/	D	E	S	T	R	O	Y	E	d	/	/	/	/	/	/	/	/	/
#5 = 64A71M05	22.74	22.66	22.22	21.80	22.98	21.14								28.54	26.10		W.C.	PVC		
B1 = 64A71M06	21.76	21.24	20.00	19.60	18.92	18.67								27.24	25.60		W.C.	PVC		

C = Cast Iron

County of Volusia Florida



ENVIRONMENTAL CONTROL DIVISION
1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/258-7000

May 17, 1985



Mr. Leonard P. Koslov, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

SUBJECT: Plymouth Avenue Landfill Permit #SO-64-58275
Tomoka Roads Landfill Permit #SO-64-34352
Water Sampling Requirements Volusia County, Florida

Dear Mr. Koslov:

In accordance with Plymouth Avenue Landfill Permit #SO-64-58275 and Tomoka Farms Road Landfill Permit SO-64-34352, please be informed that we plan to collect samples from the monitoring wells on the tentative dates of June 4, 1985, for Plymouth Avenue Landfill and June 5, 1985, for the Tomoka Farms Road Landfill.

If you have any questions, please let us know.

Very truly yours,

Susan Margaret Gaze, Chemist
Environmental Control Division

SMG:cbc

cc: Mr. Jim Griffin, Assistant to Public Works Director
Mr. Wayne Cribbs, Public Works Landfill Coordinator
Mr. John McManamy, DER
Mr. Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

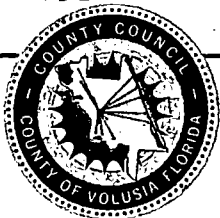
County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700



February 21, 1985



Mr. Leonard T. Kozlov, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permits #SO-64-34352, #IO-64-39230
Plymouth Landfill Permit #SO-64-0088
Monitoring Well and Surface Water Analyses

Dear Mr. Kozlov:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well analyses reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached. Please note that Wells MO-5 and M-11 at Plymouth Landfill continue to indicate the presence of nitrate at levels that exceed primary maximum contaminate levels. The location of the wells are within the boundaries of the landfill and there is no indication of movement offsite.

If you require additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 21H07
PW-SW-85-18

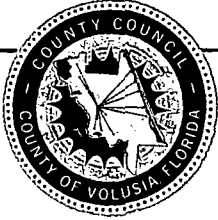
Attachments

cc: John McManamey, DER
J. L. Griffin, Assistant Public Works Director
Barry Appleby, Environmental Control Officer
Susan Gaze, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5

P. 60
Tomoka
**County of Volusia
Florida**



John
DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

February 22, 1985

Environmental Protection Agency
Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street, Northeast
Atlanta, Georgia 30365



Attn: David J. Sample, Environmental Engineer

Subject: NPDES No. FL-0037877
Tomoka Landfill

Dear Mr. Sample:

In conformance with requirements of NPDES No. FL-0037877, attached are monthly and quarterly forms and the lab analyses report for the designated sampling locations at the Tomoka Landfill (map enclosed).

We are now monitoring average pH levels as indicated on January and February 1985 report forms. We have not discharged water for the past four months and with the completion of our design retention area, we do not anticipate any need for discharge for several months because of the available capacity.

If you need additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Director of Public Works

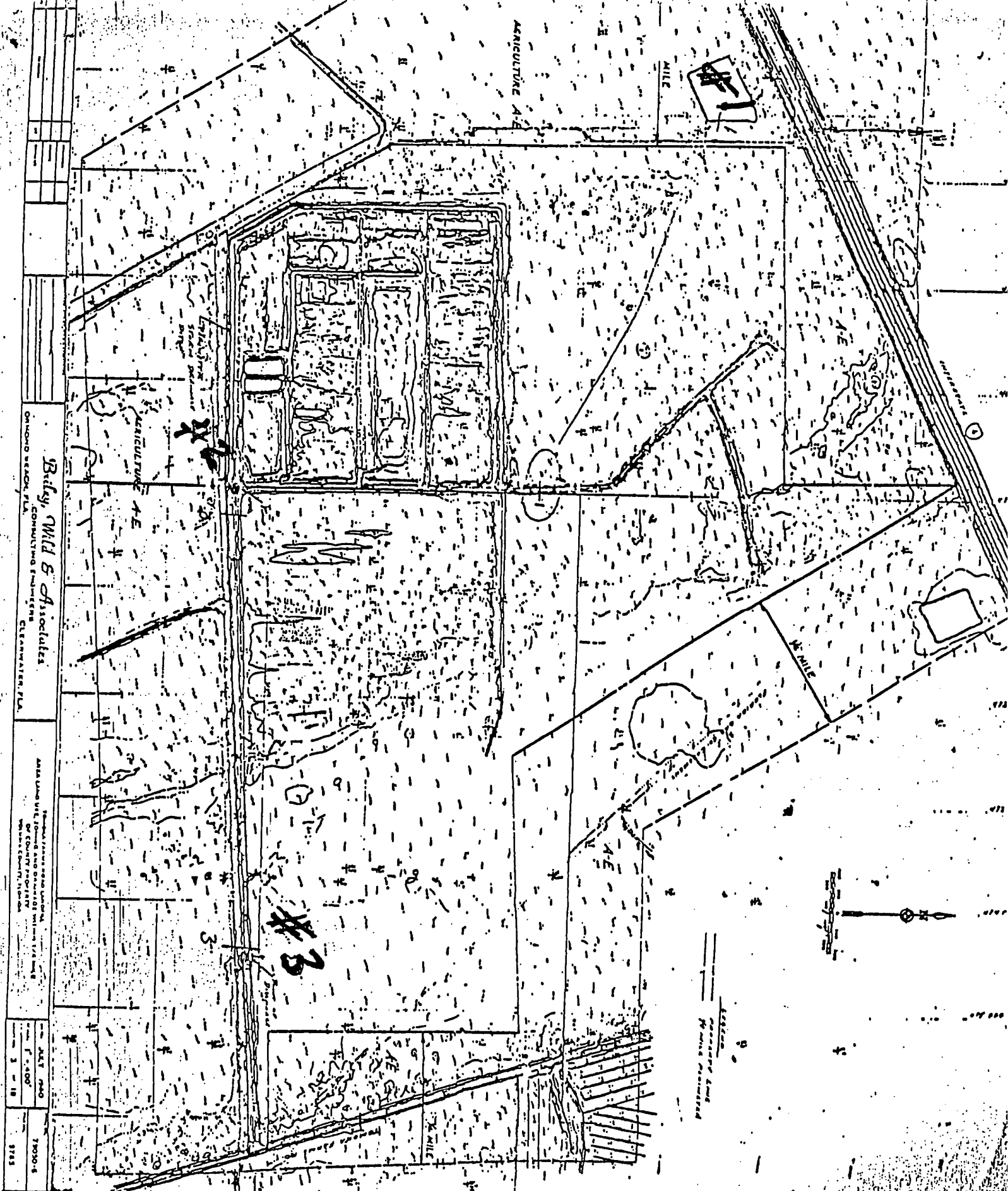
TMM:JLG:mb 22F01
PW-SW-85-19

Enclosure

cc: Leonard T. Kozlov, Department of Environmental Regulation
J. L. Griffin, Assistant Public Works Director
Susan Gaze, Chemist

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	Big John - At Large	John W. Summers - District #1
Frank T. Bruno - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Roy M. Schleicher - District #5



Bulky, Wild & Associates
CONSULTING ENGINEERS
CLEARWATER, FLA.

Revised from 1980 map of
COUNTY PROPERTY
Map of County, 1980-81

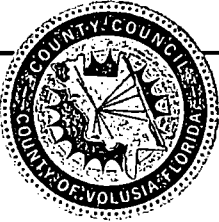
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County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



John

December 13, 1984



Mr. Leonard T. Kozlov
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill - ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Kozlov:

Enclosed is the log for ~~Monitoring Wells Static Water Levels~~
sampled at Tomoka Landfill for the period of July 1, 1984
through December 31, 1984.

Very truly yours,

J. L. Griffin

James L. Griffin
Assistant Public Works Director

JLG:WWC:lm 13H09
PW-SW-85-07

Enclosure

cc: Thomas M. McClelland, Director of Public Works
John McManamy, DER, 3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

TOMOKA		PERMIT # SO64-34352												WELL DEPTH	TOP OF WELL	HIGH OF CAS	DATE OF	SAMPLE	SAMPLERS	INITIALS
DER WELL	IDENTIFICATION NUMBER	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	FT. & MSL	IN MSL	ABOVE SURF	DATE OF	SAMPLE	SAMPLERS	INITIALS
B2 =	64A71MO1	27.15	27.05	26.55	27.45	25.99	27.65	27.39	27.05	26.81	26.97	26.39	26.99		31.45	29.20	1994	WC		
FA1 =	64A71M13	21.74	21.64	20.84	21.34	19.94	19.54	20.64	19.94	21.19	21.54	20.34	21.34		30.94	28.30		WC		
FA2 =	64A71M14	18.86	18.86	17.96	18.46	15.54	15.99	16.90	16.22	17.90	18.54	17.30	18.38		27.86	25.10		WC		
B3 =	64A71M15	/	/	D	E	S	T	R	O	Y	E	D	/	/	26.97	24.50		WC		
#2 =	64A71M06	25.63	26.13	25.33	25.43	25.47	D	E	S	T	R	O	Y	E	30.03	29.40		WC		
B4 =	64A71M08	21.59	21.29	20.89	21.49	19.05	19.37	20.69	20.37	21.39	21.39	20.37	21.13		27.69	24.70		WC		
B5 =	64A71M02	26.30	26.60	26.10	26.60	25.16	25.24	26.14	26.16	25.92	25.22	25.40	26.24		31.80	29.30		WC		
B6 =	64A71M11	22.50	22.00	21.50	22.30	19.94	20.06	21.12	20.58	22.30	22.12	20.90	21.16		27.30	25.30		WC		
Domestic	64A71D12	/	/	J	E	T		P	V	M	P	/	/	/	/	/	/	/	/	/
#1 =	64A71M03	/	/	D	E	S	T	R	O	Y	E	D	/	/	/	/	/	/	/	/
#5 =	64A71M05	23.34	23.34	23.24	23.44	22.54	22.74	23.38	23.06	23.54	23.46	22.90	23.22		28.54	26.10		WC		
B1 =	64A71M06	22.74	22.54	22.24	22.84	21.20	20.44	22.06	22.00	22.84	22.68	21.84	22.52		27.24	25.60		WC		

County of Volusia
Florida

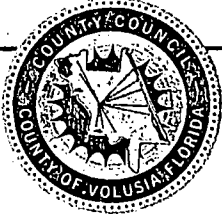
*John
File*

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700



December 13, 1984

Environmental Protection Agency
Region IV
Facilities Performance Branch
Water Management Division
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Attention: David J. Sample
Environmental Engineer

Subject: NPDES #FL-0037877
Tomoka Landfill



Dear Mr. Sample:

In conformance with requirements of NPDES #FL-0037877, attached are completed forms and original sample analyses of the designated sampling locations of the Tomoka Landfill (map enclosed).

We are in the process of installing a pump that will accommodate a flow meter system prior to discharging any retained runoff. We have also acquired a field pH meter that will enable us to perform frequent measurements for determination of average pH levels and influx of rainfall (acid rain). Please note that the pH levels on this report were taken from the grab samples that were furnished to the lab for analyses and are not averaged indicators. Also, please be advised that the Specific Conductance level of Sample #3 is not an average value and a recent check resulted in a level of 115 umhos/cm.

If you need additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 13H02
PW-SW-85-23

Attachments

cc: Leonard T. Kozlov, Department of Environmental Regulation
J. L. Griffin, Assistant Director of Public Works
Susan Gaze, Chemist

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Doliner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

County of Volusia
Florida



ENVIRONMENTAL CONTROL DIVISION
1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/258-7000

December 3, 1984

Mr. William Bostwick. P.E.
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Plymouth Avenue and Tomoka Road Landfills, SW
Water Sampling Requirements
Volusia County, Florida

Dear Mr. Bostwick:

In accordance with Plymouth Avenue Landfill Permit # SO64-58275 and Tomoka Farm Landfill Permit # SO64-34352, please be informed that we plan to collect samples from the monitoring wells on the tentative dates of December 11, 1984, for Plymouth Avenue Landfill and December 12, 1984, for the Tomoka Farms Road Landfill.

If you have any questions, please let us know.

Very truly yours,

A handwritten signature in cursive script that reads "Barry J. Appleby".

Barry J. Appleby, Director
Environmental Control Division

BJA:SMG:cbc

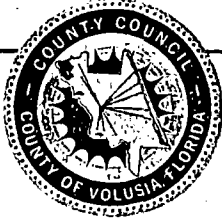
cc: Mr. Jim Griffin, Public Works
Mr. Wayne Cribbs, DPW Landfill
Mr. John McManamy, DER
Mr. Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5



County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

John

November 13, 1984



Mr. Leonard T. Kozlov, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, IO-64-39230
Plymouth Landfill Permit #SO-64-0088
Monitoring Well and Surface Water Analyses

Dear Mr. Kozlov:

In accordance with the specific conditions of the above referenced permits, enclosed are monitoring well analyses reports for the Tomoka and Plymouth Landfill systems. Location maps of the well systems are attached. Please note that Wells MO-5 and M-11 at Plymouth Landfill continue to indicate the presence of nitrate but are confined to the landfill site.

If you require additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 13T13
PW-SW-85-05

Enclosures

cc: ✓ John McManamy, D.E.R.
J. L. Griffin, Assistant PW Director
Barry Appleby, Environmental Control Officer
Susan Gaze, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Doliner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

John
**County of Volusia
Florida**

cc
ENVIRONMENTAL CONTROL DIVISION
1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/258-7000



August 29, 1984



Mr. Charles Collins, P.E.
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Plymouth Avenue & Tomoka Road Landfills, SW
Water Sampling Requirements
Volusia County, Florida

Dear Mr. Collins:

In accordance with Plymouth Avenue Landfill Permit No. SO64-58275 and Tomoka Farms Road Landfill Permit No. SO64-34352, please be informed that we plan to collect samples from the monitoring wells on the tentative dates of September 11, 1984, for the Plymouth Avenue Landfill and September 12, 1984, for the Tomoka Farms Road Landfill.

If you have any questions, please let us know.

Very truly yours,

Barry J. Appleby

Barry J. Appleby
Environmental Control Officer

BJA:SMG:cam

cc: Mr. Jim Griffin, Public Works
Mr. Wayne Cribbs, Public Works
Mr. John McManamy, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

County of Volusia Florida



July 31, 1984

Mr. A. T. Sawicki, P.E.
Hazardous/Solid Waste Engineer
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, IO-64-39230
Plymouth Landfill Permit #SO-64-0088
Monitoring Well and Surface Waters Analyses

Dear Mr. Sawicki:

In accordance with specific conditions of the above referenced permits, enclosed are Monitoring Well Analyses Reports for the Tomoka and Plymouth Landfill systems. Location maps of the well system are attached.

Please note that Wells M-05 and M-11 at Plymouth Landfill continue to indicate the presence of nitrates, but are confined to the landfill site. Also, additional analyses of samples of surface waters required for our NPDES Permit for Tomoka Landfill are included.

If you require additional information or clarification, please advise.

Sincerely

Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 31T03
PW-SW-84-30

Enclosures

cc: John Macmanamy, DER
James L. Griffin, Assistant to Public Works Director
Barry Appleby, Environmental Control Officer
Susan Gaze, Environmental Control

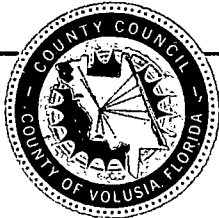
COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Doliner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



County of Volusia
Florida



DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700

June 25, 1984

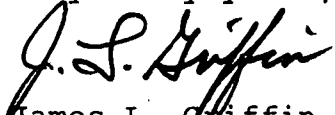
Mr. A. T. Sawicki, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill
ID #64C00071
Monitoring Wells
Static Water Level

Dear Mr. Sawicki:

Enclosed is the log for Monitoring Wells Static Water Levels
sampled at Tomoka Landfill for the period of January 1st
through June 30th, 1984.

Very truly yours,



James L. Griffin
Assistant to Public Works Director

JLG:lm 25M05
PW-SW-84-28

Enclosure

cc: Thomas M. McClelland, Director of Public Works
John McManamy, DER, 3319 Maguire Boulevard, Orlando

COUNTY COUNCIL MEMBERS

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Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

Sample Month/December / June 1984

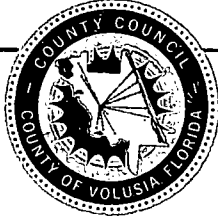
1984

REMARKS

TOMOKA		PERMIT # SO64-34352												WELL DEPTH FT. & MSL	TOP OF WELL IN MSL	HIGH OF CAS ABOVE SURFACE	DATE OF SAMPLE	SAMPLERS INITIALS	TYPE OF WELL CASING	LAB PREPARED ANALYSIS		
DER WELL IDENTIFICATION NUMBER		JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC									
B2 = 64A71M01		27.15	27.05	26.55	27.45	25.90	29.05								31.45	29.20	1984	WC	PVC			
FA1 = 64A71M13		21.74	21.64	20.84	21.34	19.94	19.54								31.94	28.30		WC	PVC			
FA2 = 64A71M14		18.86	18.86	17.96	18.46	15.54	15.98								27.86	25.10		WC	PVC			
B3 = 64A71M15				DESTROYED											26.97	24.50		WC	PVC			
#2 = 64A71M06		25.63	26.13	25.33	25.43	25.47	DESTROYED									30.03	29.40		WC	PVC		
B4 = 64A71M08		21.59	21.29	20.89	21.49	19.05	19.37								27.69	24.70		WC	PVC			
B5 = 64A71M02		26.30	26.60	26.10	26.60	25.16	25.24								31.80	29.30		WC	PVC			
B6 = 64A71M11		22.50	22.00	21.50	22.30	19.94	20.06								27.30	25.30		WC	PVC			
Domestic 64A71D12				JET PUMP																		
#1 = 64A71M03				DESTROYED																		
#5 = 64A71M05		23.34	23.34	23.24	23.44	22.54	22.74								28.54	26.10		WC	PVC			
B1 = 64A71M06		22.74	22.54	22.24	22.84	21.00	20.44								27.24	25.60		WC	PVC			

Well Casing
P = PVC
G = Galvanized
S = S Steel
T = Teflon
C = Cast Iron

County of Volusia
Florida



May 18, 1984

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



Mr. A. T. Sawicki, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permit #SO-64-34352, IO-64-39230
Plymouth Landfill Permit #SO-64-0088
Monitoring Well Analyses

Dear Mr. Sawicki:

In accordance with specific conditions of the above
referenced permits, enclosed are Monitoring Well Analyses
reports for the Tomoka and Plymouth Landfill systems.
Location maps of the well systems are attached.

Please note that wells M-05 and M-11 at Plymouth Landfill
continue to have high concentration of nitrates. We have
no indication of movement of the nitrate to adjacent wells
and we will continue to monitor off site domestic wells.

If you require additional information or clarification,
please advise.

Very truly yours,

A handwritten signature in cursive script, reading "Thomas M. McClelland".

Thomas M. McClelland
Director of Public Works

TMM:JLG:mb 18F08
PW-SW-84-22

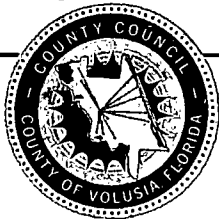
Enclosures

cc: John McManamy, D.E.R.
J. L. Griffin, Assistant to the Director
Barry Appleby, Environmental Control Officer
Susan Gaze, Chemist, Environmental Control

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
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County of Volusia
Florida



Environmental Control Division
1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/258-7000

March 16, 1984



William Bostwick, P.E.
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Plymouth Avenue and Tomoka Road Landfills, SW
Water Sampling Requirements
Volusia County, Florida

Dear Mr. Bostwick:

Due to a change in permit requirements please accept my delay of notification for sampling dates. In accordance with Plymouth Avenue Landfill Permit No. SO64-58275 and Tomoka Farms Road Landfill Permit No. SO64-34352, please be informed that we plan to collect samples from the monitoring wells on the tentative dates of March 26, 1984, for the Plymouth Landfill and March 27, 1984, for the Tomoka Landfill.

If you have any questions, please let us know.

Very truly yours,

Barry J. Appleby

Barry J. Appleby
Environmental Control Officer

BJA:SMG:cam

cc: Jim Griffin, Public Works
Wayne Cribbs, Solid Waste Coordinator
John McManamy, DER
Larry Sims, DER

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
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Telephone 904/736-2700



Jack Ascherl - At Large	P.T. Fleuchaus - At Large	Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2	Jerome (Jerry) N. Doliner - District #3	Kurt Massfeller - District #4
		Clyde R. Mann - District #5

VOLUSIA

SITE ID # 64C00071

TOMOKA

PERMIT # SO64-34352

1983

DER WELL
IDENTIFICATION NUMBER

JAN 4	FEB 2	MAR 3	APR 6	MAY 4	JUNE 6	JULY 7	AUG 3	SEPT 21	OCT 4	NOV 2	DEC	WELL DEPTH FT. & MSL	TOP OF WELL IN MSL	HIGH OF CASI ABOVE SURFAC
-------	-------	-------	-------	-------	--------	--------	-------	---------	-------	-------	-----	-------------------------	-----------------------	------------------------------

B2 = 64A71M01

FA1 = 64A71M13

FA2 = 64A71M14

B3 = 64A71M15

2 = 64A71M06

B4 = 64A71M08

B5 = 64A71M02

B6 = 64A71M11

Domestic
64A71D12

#1 = 64A71M03

#5 = 64A71M05

B1 = 64A71M06

T

County of Volusia
Florida

*John -
Lupo*

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700



October 21, 1983

Mr. A. Senkevich, P.E.
District Manager
Department of Environmental Regulation
St. Johns River District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Permit IO64-39230 Tomoka Landfill

ID 64C 00071

Dear Mr. Senkevich:

It has been brought to our attention that the above referenced permit has an expiration date of November 3, 1983. Based on conversations with DER personnel during the processing of the Tomoka Landfill Hydro-Geo studies, this office was under the impression that this permit would run concurrent with the Tomoka Landfill Operating Permit SO-S64-34352.

Attached are analyses reports of samples collected from the retention system at Tomoka Landfill and a monthly discharge log indicating an average daily discharge of 2,010 GPD which is significantly lower than the permitted average of 86,000 GPD.

Please advise if our request for extension is granted or if additional information is required.

Sincerely,

Thomas M. McClelland

Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 21F15
PW-SW-83-05

Attachment

cc: William Bostwick, DER
Ralph Malloy, DER
Thomas C. Kelly, County Manager
Barry Appleby, Environmental Control Officer
J. L. Griffin, Assistant to Public Works Director
Bert Riley, Briley, Wild & Associates, Inc., P.O. Box
607, Ormond Beach, FL 32074

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large

P.T. Fleuchaus - At Large

Alice Cycler - District #1

Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

TOMOKA LANDFILL
DRAINAGE DISCHARGE LOG

<u>YEAR</u>	<u>MONTH</u>	<u>END OF MONTH HOUR METER</u>	<u>GALLONS DISCHARGED</u>
1981	July	108.00	0
	August	137.00	116,000
	September	176.00	160,000
	October	180.00	12,000
	November	196.00	64,000
	December	198.00	8,000
1982	January	208.00	40,000
	February	208.00	0
	March	217.00	36,000
	April	217.00	0
	May	217.00	0
	June	253.00	140,000
	July	304.00	204,000
	August	320.00	64,000
	September	394.00	296,000
	October	399.00	20,000
	November	467.00	272,000
	December	467.00	0
1983	January	467.00	0
	February	467.00	0
	March	467.00	0
	April	467.00	0
	May	467.00	0
	June	474.00	28,000
	July	481.00	28,000
	August	492.00	44,000
	September	522.00	120,000

Average Daily Discharge = 2010 GPD

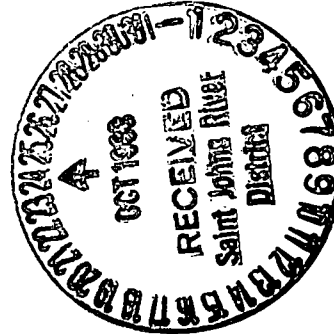
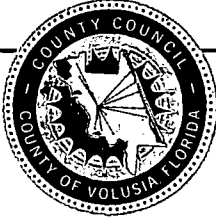
County of Volusia Florida

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue

DeLand, Florida 32720

Telephone 904/736-2700



October 20, 1983

Mr. John MacManamy
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Static Water Levels - Monitoring Well System
Tomoka and Plymouth Landfills

Dear John:

Pursuant to your request, I have assembled a complete record of the static water levels that have been monitored from January 1982 through October 1983.

Attached are the following exhibits:

Plymouth Landfill

- #1A 1982 Water Levels
- #2A 1983 Semi Annual Static Water Level Report
- #3A July-October 1983 Water Levels
- #4A Monitoring Well Location Map

Tomoka Landfill

- #1B 1982 Water Levels
- #2B 1983 Semi Annual Static Water Level Report
- #3B July-October 1983 Water Levels
- #4B Monitoring Well Location Map

(continued)

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
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October 20, 1983
PW-SW-83-04
Page 2

If additional information or clarification is needed, please advise.

Very truly yours,

J. L. Griffin
J. L. Griffin

Assistant to Public Works Director

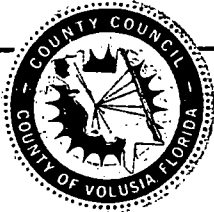
JLG:lm 20H14
PW-SW-83-04

Attachments

cc: Thomas M. McClelland, Director of Public Works
Susan Gaze, Environmental Control Chemist
Wayne Cribbs, Foreman III
R. G. Palmatier, Foreman III



County of Volusia Florida



DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

DEPARTMENT OF PUBLIC WORKS
136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

October 19, 1983



Mr. Alex Senkevich, P.E.
District Manager
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Volusia County SW
Plymouth Avenue Landfill: ID 64C00070 - Class I
Tomoka Landfill: ID 64C00071 - Class I

Dear Mr. Senkevich:

In conformance with requirements for increased protection of the State's groundwater and any activities which have an impact on the groundwater, we are submitting a monitoring program plan in compliance with Rule 17-4.246 (see attached Enviro Lab monitoring program schedule). Please note the Environmental Control Laboratory will also conduct those parameters such as conductivity, chlorides, pH, nitrates (NO_3), iron and heavy metals. The new wells located at the Plymouth Avenue landfill will fall under a separate monitoring program for one year. New wells shall be sampled quarterly for the first year. An initial and annual scan shall be made for volatile and extractable organic pollutants in Wells 2, 2s, 5, 5s, 17 and 17s and in the stormwater pond(s). These wells and pond(s) shall be monitored for heavy metals, TDS, TOC, NH_4 , pH, cl, SO_4 , nitrates, iron and conductivity.

Enclosed are reports and plans from Permits SO64-0088 and SO64-34352 prepared by Briley, Wild & Associates, Inc. on (1) Design Criteria, (2) Survey Data, and (3) Hydrogeological Information on Plymouth Avenue Landfill and Tomoka Farms Road Landfill and monitoring well analyses reports from 1977 to date.

(continued)

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
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October 19, 1983
PW-SW-83-03
Page 2

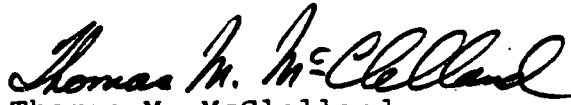
As requested, the following monitoring wells are designated as listed:

Tomoka Farms Road Landfill
Well FA-1 (upgradient)
Well FA-2 (downgradient)
Well B-4 (interceptor)

Plymouth Avenue Landfill
Well #2 (upgradient)
Well #5 (downgradient)
Well 64A71M01 (interceptor)

Please advise if additional information or clarification is needed.

Sincerely,



Thomas M. McClelland
Director of Public Works

TMM:JLG:lm 18T09
PW-SW-83-03

Enclosures

cc: Thomas C. Kelly, County Manager
John McManamy, DER
Barry Appleby, Environmental Control Officer
Susan Gaze, Environmental Control Chemist

County of Volusia Florida

File
Tomoka
Volusia

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700



August 4, 1983



Mr. A. T. Sawicki, P.E.
Hazardous/Solid Waste Engineering
Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill Permits - SO64-34352, IO64-39230
Plymouth Landfill Permit - SO64-0088
Monitoring Well Analyses

Dear Mr Sawicki:

In accordance with specific conditions of the above referenced permits, enclosed are monitoring well analyses reports from the Tomoka and Plymouth Landfill systems.

Please note that a complete Gas Chromatogram/Mass Spectra for organics was provided by Mead CompuChem. Remaining testing parameters were provided by Enviro Lab and Volusia County Environmental Control Office. If you require additional information or clarification, please advise.

Very truly yours,

Thomas M. McClelland
Thomas M. McClelland

Director of Public Works

TMM:JLG:lm 08W02
PW-SW-83-21

Enclosures

cc: ✓ John McManamy, Department of Environmental Regulation,
3319 Maguire Boulevard, Suite 232, Orlando, FL 32813
J. L. Griffin, Assistant to Public Works Director
Barry Appleby, Environmental Control Officer
Susan Gaze, Environmental Control Office

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Dollner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

County of Volusia Florida



ENVIRONMENTAL CONTROL DIVISION
1250 Indian Lake Road
Daytona Beach, Florida 32014
Telephone 904/258-7000

March 2, 1983

Mr. William Bostwick, P.E.
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Tomoka Farms Road Landfill Discharge
Volusia County IW
Page 3 of 4 of Permit No. IO64-39230

Dear Mr. Bostwick:

Please note in my Introduction of the Water Quality Report for Tomoka Farms Road, December 28, 1982, that an organic scan was not conducted at the Industrial Discharge site to detect the presence of pesticides, PCB's or chlorinated hydrocarbons since no discharge was observed on the day of sampling.

Please notify me if my deduction is incorrect - that if on the day of sampling no discharge is observed, then my report would not include those parameters mentioned; or am I to take samples when pumping is required? I would appreciate your direction in this matter. Perhaps when the new permit is issued this area could be clarified.

Also be notified that future delays will not exist now that I am trained in Atomic Absorption Spectroscopy.

Thank you for your assistance in this matter.

Sincerely,

Susan M. Gaze, Chemist
Environmental Control Division

SMG:cam

cc: Mr. John McManamy, DER
Mr. Jim Griffin, Volusia County Public Works

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large P.T. Fleuchaus - At Large Alice Cycler - District #1
Frank T. Bruno, Jr. - District #2 Jerome (Jerry) N. Doliner - District #3 Kurt Massfeller - District #4 Clyde R. Mann - District #5

County of Volusia Florida

*Tomoka, LA
Volusia Co*

ENVIRONMENTAL CONTROL DIVISION
Indian Lake Road, Rt. 8, Box 201
Daytona Beach, Florida 32014
Telephone 904/258-7000



December 11, 1981

Mr. William Bostwick, P.E.
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

RE: Tomoka Landfill
Water Sampling Requirements



Dear Mr. Bostwick:

In accordance with special condition number 5 of Tomoka Landfill Permit No. S064-34352 please be informed that we plan to collect samples from the monitoring wells on December 28, 1981.

If you have any questions, please let us know.

Very truly yours,

Barry J. Appleby
Environmental Control Officer

BJA:JRB:cam

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large	P.T. Fleuchaus - At Large	Alice Cycler - District #1
Edgar Bennett - District #2	Donald K. Adams - District #3	Robert N. Hartman - District #4
		Clyde R. Mann - District #5

**MONITORING
SYSTEM ID 64A71**

FA-1 M13

FA-2 M14

B-1 M16

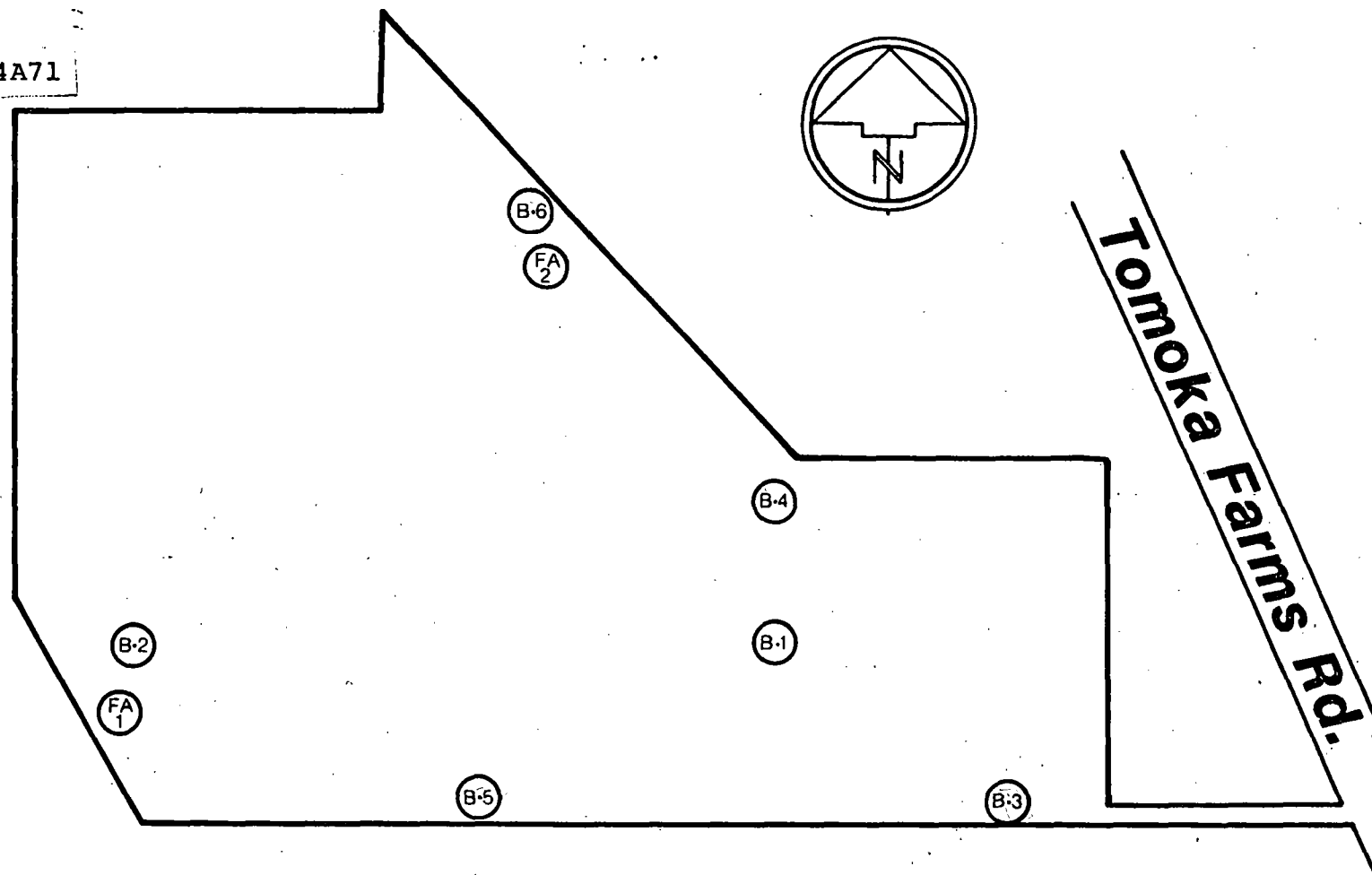
B-2 M01

B-3 M15

B-4 M08

B-5 M02

B-6 M11



TOMOKA FARMS RD. LANDFILL

MAP II

- HARRY E. WILD, JR., P.E.
- JOHN F. DENNIS, P.E.
- L. J. DILLARD, JR., P.E.
- WILLIAM O. DUKE
- A. J. BIRCHALL, P.E.
- STEVEN E. THAYER, P.E.
- RICHARD B. GABBETT, P.E.
- W. E. STRANG, JR.

Briley, Wild & Associates

CONSULTING ENGINEERS AND PLANNERS

ORMOND BEACH - CLEARWATER

FLORIDA

- FEASIBILITY
- PLANNING
- REPORTS
- LABORATORY
- CONSULTATION
- DESIGN
- INSPECTION
- RESEARCH

December 8, 1980

VC79050-6E

WHEN REPLYING PLEASE ADDRESS
8000 U. S. HIGHWAY #1 NORTH
P. O. BOX 607
ORMOND BEACH, FLORIDA 32074
904/672-5660

Mr. James L. Griffin
Volusia County Public Works Dept.
136 North Florida Avenue
DeLand, Florida 32720

Dear Jim:

Attached please find a summary of the background water samples taken at the Tomoka Road Landfill on December 2, 1980. The data preceded by a < (less than) designation indicates that the substance was not detected in the laboratory analysis. The number following a < mark is the estimated limit of detectability of the test equipment. Also please note that the metals are reported in parts per billion.

In order to identify the sampling locations, please refer to Section VI of our report, Figures 4, 5 and 6.

Very truly yours,

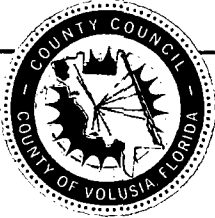
BRILEY, WILD & ASSOCIATES, INC.
CONSULTING ENGINEERS & PLANNERS

B. B. Reilly
Bertram B. Reilly, P.E.

BBR/dak
Enclosure

cc: Mr. William M. Bostwick, P.E., DER
Mr. H. Kelly Brooks
BWA/Field Office

County of Volusia Florida



July 15, 1980

Mr. Charles M. Collins, P.E.
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

RE: Tomoka Road Sanitary Landfill
Monitoring Well Analyses

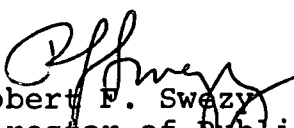
Dear Mr. Collins:

Enclosed are water analyses certifications of samples taken from the monitoring well system at Tomoka Landfill. In addition, there are results from five (5) new wells installed by Dr. Kelly Brooks and an analysis of the holding pond. The location of the wells with water elevations are shown on an enclosed sketch. Please note that Well MO-7 has been destroyed and grouted due to being crushed by a 23 yard scraper.

You will note that Envirolab conducted the testing which is being incorporated into Dr. Brooks hydro-geological study.

If you wish additional information, please advise.

Sincerely,


Robert P. Swezy
Director of Public Works

RFS:JLG:lm T-1
PW-SW-80-25

Enclosures

cc: Vohnnie L. Pearson, Jr., County Engineer
John McManamy, D.E.R., 3319 Maguire Blvd., Orlando, Fla.
Jim Griffin, Solid Waste Superintendent

COUNTY COUNCIL MEMBERS

Jack Ascherl - At Large
Tom C. Brown - District #2

P. T. Fleuchaus - At Large
Donald K. Adams - District #3

John W. Summers - District #1
Robert N. Hartman - District #4

Clyde R. Mann - District #5

DEPARTMENT OF PUBLIC WORKS

136 N. Florida Avenue
DeLand, Florida 32720
Telephone 904/736-2700

