IN-089-10

Lab Analysis # 3166 Sample Opened On AUG 27 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT Sample Date 76 (YR 11-12) 8 (MO 13-14) 26 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[redacted]						
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[redacted]						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: send results to BRUCE PALIN
SOLID WASTE MGMT.
SAMPLE #1 WELL ROOM 221
Ext. 6400
(WELL ON WEST SIDE)

Code	Parameter	Unit	✓	Lab Data
(28-32) 00410	Alkalinity total as $CaCO_3$	mg/l		(34-41)
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l		
01027	Cadmium	mg/l	✓	<0.01
00940	Chlorides	mg/l	✓	77.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		<0.01
00340	COD	mg/l	✓	90.
01042	Copper	mg/l	✓	<0.02
00720	Cyanide -CN	mg/l	✓	<0.001
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l		
01051	Lead	mg/l	✓	0.09
01055	Manganese	mg/l	✓	0.42
71900	Mercury-Total	PPB	✓	2.8
01065	Nickel	mg/l	✓	0.04
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l	✓	10.
00403	pH (lab)		✓	7.7
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l	✓	0.11
74055	Fecal Coli.	100 ml		
	SELINIUM		✓	<0.010
	BORON		✓	1.30

REPORTED
OCT 7 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

US EPA RECORDS CENTER REGION 5
416227

Lab Analysis # 3167 Sample Opened On AUG 27 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT Sample Date 76 (YR 11-12) 8 (MO 13-14) 26 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) - Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21)
0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[redacted]						
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[illegible]						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: send results to BRUCE PALIN
SOLID WASTE MGMT.
SAMPLE #2 WELL ROOM 221
Ext. 6400
(WELL ON NORTH SIDE)

Code	Parameter	Unit	✓	Lab Data
(28-32) 00410	Alkalinity (total) as $CaCO_3$	mg/l		(34-41)
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	< 0.010
00310	BOD_5	mg/l		
01027	Cadmium	mg/l	✓	< 0.01
00940	Chlorides	mg/l	✓	9.
01032	Chromium-Hex	mg/l	✓	< 0.01
01034	Chromium-Tot	mg/l		< 0.01
00340	COD	mg/l	✓	32.
01042	Copper	mg/l	✓	< 0.02
00720	Cyanide -CN	mg/l	✓	< 0.001
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l		
01051	Lead	mg/l	✓	0.08
01055	Manganese	mg/l	✓	0.58
71900	Mercury-Total	PPB	✓	4.3
01065	Nickel	mg/l	✓	0.05
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l	✓	11.
00403	pH (lab)		✓	6.3
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l	✓	0.12
74055	Fecal Coli.	100 ml		
	SELENIUM		✓	< 0.010
	BORON		✓	0.24

REPORTED
OCT 7 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

Lab Analysis # 2101 Sample Opened On AUG 27 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT Sample Date 76 (YR 11-12) 8 (MO 13-14) 26 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[redacted]						
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[redacted]						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: sendresults to: BRUCE DALIN
SOLID WASTE MGMT
SAMPLE #3 WELL Room 221
Ext. 6400
(WELL ON EAST END)

Code	Parameter	Unit	✓	Lab Data
(28-32) 00410	Alkalinity Total as $CaCO_3$	mg/l		(34-41)
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l		
01027	Cadmium	mg/l	✓	<0.01
00940	Chlorides	mg/l	✓	36.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		<0.01
00340	COD	mg/l	✓	29.
01042	Copper	mg/l	✓	<0.02
00720	Cyanide -CN	mg/l	✓	<0.001
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l		
01051	Lead	mg/l	✓	0.05
01055	Manganese	mg/l	✓	0.34
71900	Mercury-Total	PPB		<0.1
01065	Nickel	mg/l	✓	<0.02
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l	✓	9.2
00403	pH (lab)		✓	7.0
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp.	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l	✓	0.13
74055	Fecal Coli.	100 ml		
	SELINIUM		✓	<0.010
	BORON		✓	0.14

REPORTED OCT 7 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

1138

Lab Analysis # (3) Sample Opened On MAY 13 1976 By JFS

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT LANDFILL Sample Date

City GARY 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21)
0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
RM 221
[WELL #3]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Alkalinity Total as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	2.3
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	13.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	16.
01042	Copper	mg/l		
00720	Cyanide-CN	mg/l		
00951	Fluoride	mg/l	✓	0.8
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	7.1
32730	Phenol	mg/l		
00670	Phosphorus-P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	<0.10 AS AROCLOR 1254

REPORTED
JUN 17 1976
WATER LABORATORY
U. S. EPA REGION V

Lab Analysis # 6 Sample Opened On MAY 13 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT L.F. Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYNUFF
SOLID WASTE SEC.
RM 221
[WELL #6

Code	Parameter	Unit	✓	Lab Data
(28-32) 00410	Alkalinity Total as $CaCO_3$	mg/l		(34-41)
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	1.3
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	210.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	17.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	0.7
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	7.3
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		

REPORTED
JUN 1 1976
WATER LABORATORY
MD. STATE BD. OF HEALTH

11-26

Lab Analysis # (1) Sample Opened On MAY 13 1976

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMET L.F.

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) _____ (17) 1-NPDES 2-SPC-15 3-WQ Study

_____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

_____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

_____ (20) Sample Interval

_____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl, mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
RM. 221
[WELL #17]
(SAMP. IS IN WALK IN ON LEFT FLOOR)
[redacted] IN RED COOLER.

Code	Parameter	Unit	✓	Lab Data
28-32 00410	Alkalinity Total as $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	8.3
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	86.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	74.
01042	Copper	mg/l		
00720	Cyanide-CN	mg/l		
00951	Fluoride	mg/l	✓	0.3
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Greese	mg/l		
00403	pH (lab)		✓	8.3
32730	Phenol	mg/l		
00670	Phosphorus-P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		JUN 7 1976
00625	TKN	mg/l		
00680	TOC	mg/l		LABORATORY STATE BD. OF HEALTH
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	<0.10 FS
				DRCOOK 12-54

1137

Lab Analysis # (2) Sample Operation MAY 13 1976 By 972

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT LANDFILL Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) - _____ (8-10) Outfall _____ (17) 1-NPDES 2-SPC-15 3-WQ Study

(18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

(19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

(20) Sample Interval _____

(22-26) Stream Miles from Outfall _____

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
Rm 221
[WELL #27]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Alkalinity Total as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	3.1
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	14.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	27.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	2.0
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	7.0
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	<0.10 AS AROCHOR 1254

REPORTED
JUN 7 1976
WATER LABORATORY
ILL. STATE DEPT. OF HEALTH

WATER SAMPLE IDENTIFICATION SHEET

Sample Site: Development

Station Number: [illegible]

Sample Date: ____ Mo. (11-12) ____ Day (13-14) ____ Yr. (15-16) ____ AM/PM

Supervisor: [illegible]

Collector(s): [illegible] 7/22/87?

Delivered to lab: ____ Mo. ____ Day ____ Yr. ____ AM/PM

By: [illegible]

Preservatives Added:

	Kind	Lot No.	Amount

Sample Chlorinated ____ Not Chlorinated ✓

	Field	Lab
No. of 1 Liter Plastic Bottles		
No. of 2 Liter Plastic Bottles	4	4
No. of Bacteriological Bottles		
No. of Glass Jars or Bottles		
Total	4	4

Standard Procedure Followed: All Some None

NPDES Number ____ (1-7) Outfall ____ (8-10)

17:
1. NPDES
2. SPC-15
3. WQ Study
4. Pollution complaint
5. Fish kill investigation

18:
1. Industry
2. Semi-Public
3. Municipal
4. Federal
5. Public Water Supply
6. State operation
7. Other

19 Sample Type:
1. Grab
2. 24-hour comp.
3. 8-hour comp.
4. 24-hour flow comp.
5. 8-hour flow comp.

20 Sample Interval

21:
0 - at outfall
1 - above outfall
2 - below outfall

22-26 Stream miles from outfall

LAB INFORMATION

Lab No. 2408 Date JUL 21 1990 9:30 (Mo. Day Yr. AM/PM)

Rec'd by [illegible]

Temp of samples when received ____

Comments:

CODE	PARAMETERS	UNIT		LAB DATA
26-32 00410	Alkalinity Total $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01002	Arsenic	ug/l	✓	4.
00310	BOD_5	mg/l		
01027	Cadmium	ug/l	✓	<2.
00940	Chlorides	mg/l	✓	73.
01032	Chromium-Hex	ug/l	✓	<10.
01034	Chromium-Tot	ug/l		
00335	COD	mg/l	✓	34.
01042	Copper	ug/l		
00720	Cyanide-CN	mg/l		
00951	Fluoride	mg/l	✓	0.5
01045	Iron	ug/l	✓	41,200.
01051	Lead	ug/l	✓	<20.
01055	Manganese	ug/l		
71900	Mercury	ug/l	✓	0.1
01067	Nickel	ug/l		
00630	NO_2+NO_3-N	mg/l	✓	0.1
00550	Oil & Grease	mg/l		
00403	pH (lab)	S.U.		
32730	Phenol	ug/l		
00665	Phosphorus-P	mg/l		
00530	Solids - Susp	mg/l		
00500	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l	✓	10.9
01092	Zinc	ug/l		
31616	Fecal coliform	100 ml		
	TIC ppm		✓	800.
	[illegible] ppm ($CaCO_3$)		✓	404.
	[illegible] ppb		✓	<10.
	[illegible] ppb		✓	90.
	[illegible] ppb		✓	<1.

REPORTED AUG 20 1990 [illegible]

WATER LABORATORY MD. STATE DEPT. OF HEALTH

Gary Land Development
Lake Co.

To: E. [illegible] Smitecik

Date: October 7, 1976

INTO DEPARTMENT MEMO

Subject: Gary Land Development Co.
Well Water Samples

Given Below are test data obtained on water samples delivered September 17, 1976.

Sample Identification	pH	Hex. Chrome PPM	Total Chrome PPM	Lead PPM	Cadmium PPM	Arsenic PPM
# 1 WELL - WEST BANK OF PIT	7.8	0.08	0.08	0.09	>1.12	0.013
# 2 WELL - NORTH BANK OF PIT	6.4	0.05	0.08	0.008	>1.12	0.0
# 3 WELL - EAST BANK OF PIT	7.15	<0.02	<0.02	0.01	>1.12	0.0
# 4 WELL - SOUTH BANK OF PIT	6.5	0.03	0.03	0.0	<0.1	0.0
# 5 PERIMETER OUT PIT	7.05	0.02	0.07	0.12	<0.1	0.36
# 6 WELL - AT BLDG	7.1	0.06	0.06	>1.0 (1)	<0.1	0.0

(1) Sample with optimum dilution to be tested for finite value!

Andrew F. Livovich
Chemist

AFL: 2
ms

WATER SAMPLE IDENTIFICATION SHEET

Sample site GARY LAND DEVELOPMENT OUTFALL INTO GRAND CALUMET

Station No. #1

Sample Date 4 (MO. 11-12) 7 (DAY 13-14) 78 (YR. 15-16) 10:15 A.M./P.M.

Supervisor DAVID D. LAMM

Collector(s) BRUCE PALIN EXT. 176

Delivered to lab 4 (MO.) 7 (DAY) 78 (YR.) A.M./P.M.

by

NPDES NO. (1 - 7) OUTFALL (8 - 10)

17 _____
1. NPDES
2. SPC 15
3. WQ Study
4. Pollution complaint
5. Fish kill investigation

18 _____ Category of Discharge
1. Industry
2. Semi-Public
3. Municipal
4. Federal
5. Public Water Supply
6. State operation
7. Other

19 _____ Sample Type
1. Grab
2. 24-hour comp.
3. 8-hour comp.
4. 24-hour flow comp.
5. 8-hour flow comp.

20 _____ Sample Interval

21 _____
0 - at outfall
1 - above outfall
2 - below outfall

22-26 _____ Stream miles from outfall

LAB INFORMATION

Lab No. 0459 by JEF

Rec'd APR 7 1978 (MO DAY YR) 11:00 A.M./P.M. by

CONTAINER TYPE & SIZE

glass 500 ml 1 liter total no. 2

plastic 2 liter other

Standard method followed? all some none

TEMPERATURE & PRESERVATION

Samples refrig. or iced? all some none

Chlorinated samples? all some none

Standard method followed? all some none

Teflon capped Foil capped Solvent rinsed

TEMP. °C

Reported out:

REPORTED
JUN 6 1978
WATER LABORATORY
IND. STATE BD. OF HEALTH

CODE	PARAMETER	UNIT		LAB DATA
28-32 00410	Alkalinity Total $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	0.035
00310	BOD_5	mg/l		
01027	Cadmium (Total)	mg/l	✓	<0.01 (D)
00940	Chlorides	mg/l	✓	1600.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l	✓	0.10
00340	COD	mg/l		
01042	Copper (Total)	mg/l	✓	0.04 (D)
00720	Cyanide-CN	mg/l		
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l	✓	7.0
01051	Lead	mg/l	✓	<0.02
01055	Manganese	mg/l	✓	1.2
71900	Mercury-Total	PPB		
01065	Nickel (Total)	mg/l	✓	0.48 (D)
00630	NO_2+NO_3 - N	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)			
32730	Phenol	mg/l		
00670	Phosphorus-P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l	✓	<1.
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc (Total)	mg/l	✓	0.14 (D)
74055	Fecal coliform	100ml		
	BORON MG/L		✓	0.85
	(D) SAMPLE DIGESTED BEFORE			
	ANALYSIS			

WATER SAMPLE IDENTIFICATION SHEET

Sample Site: Gary Land Development

Station Number: ~~[illegible]~~ WEST

Sample Date: 7 (Mo. 11-12) 20 (Day 13-14) 82 (Yr. 15-16) AM/PM

Supervisor: SCHMIDT

Collector(s): BERNAUER, COPELAND

Delivered to lab: 7 (Mo.) 22 (Day) 82 (Yr.) AM/PM

By: [signature]

Preservatives Added:

	Kind	Lot No.	Amount
	$K_2Cr_2O_7$		20 ml
	HNO_3		5 "
	H_2SO_4		2 "
	NaOH		1 "

Sample Chlorinated _____ Not Chlorinated _____

	Field	Lab
No. of 1 Liter Plastic Bottles	5	5
No. of 2 Liter Plastic Bottles	1	1
No. of Bacteriological Bottles		
No. of Glass Jars or Bottles		
Total	6	6

Standard Procedure Followed: All Some None

PDES Number _____ (1-7) Outfall _____ (8-10)

17 (1-7):
1. NPDES
2. SPC-15
3. WQ Study
4. Pollution complaint
5. Fish kill investigation

18 (8-10):
1. Industry
2. Semi-Public
3. Municipal
4. Federal
5. Public Water Supply
6. State operation
7. Other

19 Sample Type:
1. Grab
2. 24-hour comp.
3. 8-hour comp.
4. 24-hour flow comp.
5. 8-hour flow comp.

20 Sample Interval

21:
0 - at outfall
1 - above outfall
2 - below outfall

22-26 Stream miles from outfall

LAB INFORMATION

Lab No. D2198 Date JUL 22 1982 8:30 (Mo. Day Yr. AM/PM)

Rec'd by: JB

Temp of samples when received: 4°C

Comments:

CODE	PARAMETERS	UNIT		LAB DATA
28-32 00410	Alkalinity Total $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01002	Arsenic	ug/l	1	17.
00310	BOD_5	mg/l		
01027	Cadmium	ug/l	1	<2.
00940	Chlorides	mg/l	1	320.
01032	Chromium-Hex	ug/l		
01034	Chromium-Tot	ug/l	1	<10.
00335	COD	mg/l	1	160.
01042	Copper	ug/l		
00720	Cyanide-CN TOT	mg/l	1	0.007
00951	Fluoride	mg/l		
01045	Iron tot	ug/l	1	12,000.
01051	Lead	ug/l	1	40.
01055	Manganese	ug/l		
71900	Mercury	ug/l	1	0.1
01067	Nickel	ug/l		
00630	NO_2+NO_3-N	mg/l		
00550	Oil & Grease	mg/l		
00403	[redacted] Sp.C.	S.U.	1	3,100 NMHOS/CM
32730	Phenol	ug/l	1	<5.
00665	Phosphorus-P	mg/l		
00530	Solids - Susp	mg/l		
00500	Solids (total) Diss	mg/l	1	2000.
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l	1	71.
01092	Zinc	ug/l		
31616	Fecal coliform	100 ml		
	Barium	mg/l	1	200
	Selenium	↓	1	1.9
	Silver	↓	1	<10
	T. H.	mg/l		292

REPORTED
AUG 3 1982
WATER LABORATORY
IND. STATE BD. OF HEALTH

WATER SAMPLE IDENTIFICATION SHEET

Sample Site: GARY LAND DEV. LAKE CO.

Station Number: ~~NORTH~~ SOUTH

Sample Date: 7 (Mo. 11-12) 20 (Day 13-14) 82 (Yr. 15-16) AM/PM

Supervisor: SCHMIDT

Collector(s): BERNHEER, COPELAND

Delivered to lab: Mo. Day Yr. AM/PM

By: [signature]

Preservatives Added:	Kind	Lot No.	Amount
	$K_2Cr_2O_7$		20 ml
	HNO_3		5 "
	H_2SO_4		2 "
	NaOH		1 "

Sample Chlorinated _____ Not Chlorinated _____

	Field	Lab
No. of 1 Liter Plastic Bottles	5	5
No. of 2 Liter Plastic Bottles	1	1
No. of Bacteriological Bottles		
No. of Glass Jars or Bottles		
Total	6	6

Standard Procedure Followed: All Some None

NPDES Number _____ (1-7) Outfall _____ (8-10)

17:
1. NPDES
2. SPC-15
3. WQ Study
4. Pollution complaint
5. Fish kill investigation

18:
1. Industry
2. Semi-Public
3. Municipal
4. Federal
5. Public Water Supply
6. State operation
7. Other

19 Sample Type:
1. Grab
2. 24-hour comp.
3. 8-hour comp.
4. 24-hour flow comp.
5. 8-hour flow comp.

20 Sample Interval

21:
0 - at outfall
1 - above outfall
2 - below outfall

22-26 Stream miles from outfall

LAB INFORMATION

Lab No. D2199 Date JUL 22 1982 8:30 AM/PM (Mo. Day Yr.)

Rec'd by: JB

Temp of samples when received: 4°C

Comments:

CODE	PARAMETERS	UNIT		LAB DATA
28-32 00410	Alkalinity Total $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01002	Arsenic	ug/l	✓	2.0
00310	BOD_5	mg/l		
01027	Cadmium	ug/l	✓	<2.
00940	Chlorides	mg/l	✓	130.
01032	Chromium-Hex	ug/l		
01034	Chromium-Tot	ug/l	✓	<10.
00335	COD	mg/l	✓	44.
01042	Copper	ug/l		
00720	Cyanide-CN TOT	mg/l	✓	<0.005
00951	Fluoride	mg/l		
01045	Iron TOT	ug/l	✓	170.
01051	Lead	ug/l	✓	<10.
01055	Manganese	ug/l		
71900	Mercury	ug/l	✓	<0.1
01067	Nickel	ug/l		
00630	NO_2+NO_3-N	mg/l		
00550	Oil & Grease	mg/l		
00403	~~pH (Lab)~~ SPC	S.U.	✓	1700 µmhos/cm
32730	Phenol	ug/l	✓	<5
00665	Phosphorus-P	mg/l		
00530	Solids - Susp	mg/l		
00500	Solids (total) DISS	mg/l	✓	1200.
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l	✓	14.0
01092	Zinc	ug/l		
31616	Fecal coliform	100 ml		
	Barium	ug/l	✓	150.
	Selenium	↓	✓	4.0
	Silver	↓	✓	<10.
	Tot. Hard	mg/l	✓	600.

REPORTED
8 1982
JB
WATER LABORATORY
IND. STATE BD. OF HEALTH

SRH65 030

WATER SAMPLE IDENTIFICATION SHEET

Sample Site: Development [illegible]

Station Number: [illegible]

Sample Date: [illegible] Mo. (11-12) [illegible] Day (13-14) [illegible] Yr. (15-16) [illegible] AM/PM

Supervisor: [illegible]

Collector(s): [illegible]

Delivered to lab: [illegible] Mo. [illegible] Day [illegible] Yr. [illegible] AM/PM

By: [illegible]

Preservatives Added:

Kind	Lot No.	Amount
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Sample Chlorinated _____ Not Chlorinated ✓

	Field	Lab
No. of 1 Liter Plastic Bottles		
No. of 2 Liter Plastic Bottles	4	4
No. of Bacteriological Bottles		
No. of Glass Jars or Bottles		
Total	4	4

Standard Procedure Followed: All Some None

NPDES Number _____ (1-7) Outfall _____ (8-10)

17 (1-2):
1. NPDES
2. SPC-15
3. WQ Study
4. Pollution complaint
5. Fish kill investigation

18 (3):
1. Industry
2. Semi-Public
3. Municipal
4. Federal
5. Public Water Supply
6. State operation
7. Other

19 (4):
Sample Type
1. Grab
2. 24-hour comp.
3. 8-hour comp.
4. 24-hour flow comp.
5. 8-hour flow comp.

20 (5-6): Sample Interval

21 (7):
0 - at outfall
1 - above outfall
2 - below outfall

22-26 (8-12): Stream miles from outfall

LAB INFORMATION

Lab No. 2407 Date JUL 21 1980 9:30 (Mo. Day Yr. AM/PM)

Rec'd by 9103

Temp of samples when received _____

Comments:

CODE	PARAMETERS	UNIT		LAB DATA
28-32 00410	Alkalinity Total $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01002	Arsenic	ug/l	✓	1.
00310	BOD_5	mg/l		
01027	Cadmium	ug/l	✓	<2.
00940	Chlorides	mg/l	✓	840.
01032	Chromium-Hex	ug/l	✓	<10.
01034	Chromium-Tot	ug/l		
00335	COD	mg/l	✓	49.
01042	Copper	ug/l		
00720	Cyanide-CN	mg/l		
00951	Fluoride	mg/l	✓	1.5
01045	Iron	ug/l	✓	650.
01051	Lead	ug/l	✓	<20.
01055	Manganese	ug/l		
71900	Mercury	ug/l	✓	0.1
01067	Nickel	ug/l		
00630	NO_2+NO_3-N	mg/l	✓	0.1
00550	Oil & Grease	mg/l		
00403	pH (lab)	S.U.		
32730	Phenol	ug/l		
00665	Phosphorus-P	mg/l		
00530	Solids - Susp	mg/l		
00500	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l	✓	29.4
01092	Zinc	ug/l		
31616	Fecal coliform	100 ml		
	TDS ppm		✓	3300.
	T[illegible] ppm ($CaCO_3$)		✓	1048.
	[illegible] ppb		✓	10.
	[illegible] ppb		✓	100.
	[illegible] ppb		✓	1.

REPORTED
JUL 30 1980 9103
WATER LABORATORY
IND. STATE BD. OF HEALTH

INDIANA STATE BOARD OF HEALTH
WATER LABORATORY

(W.S.; Sur.; Sew.; I.W.; A.W.; S.W.; S.E.; Misc.)

Date Rec'd. AUG 27 1976 by [illegible] Source [illegible] Collected by [illegible]

Lab "D" No.	3166	3167	3168	[illegible]	[illegible]					
Station Code or Location / Parameters	1 W. SIDE WELL	2 No. [illegible] WELL	3 EAST END WELL	4 [illegible] FILL AREA	5 [illegible]	GARY LAND [illegible] PLANT				
Alkalinity ($CaCO_3$)										
Ammonia - N										
Arsenic	<0.010	<0.010	<0.010	2.11	0.41	COMPOSITES IN REFRIG.				
BOD										
COD	90.	32.	29.	260.	320.					
Cadmium	<0.01	<0.01	<0.01	0.01	0.01					
Chloride	77.	9.	36.	530.	470.					
Chrom. - Hex.	<.01	<.01	<.01	<.01	<.01					
Chrom. - Total	<.01	<.01	<.01	<.01	<.01					
Copper	<0.02	<0.02	<0.02	<0.02	<0.02					
Cyanide	<.001	<.001	<.001	<.001	<.001					
Fluoride										
Hardness ($CaCO_3$)										
Iron										
Lead	0.09	0.08	0.05	0.14	0.13					
Manganese	.42	[illegible]	.34	0.89	0.58					
Mercury (ug/l)	2.8	4.3	<0.1	<0.1	0.6	pH.				
Nickel	0.04	0.05	<0.02	0.08	0.13					
Nitrate+Nitrite - N										
Nitrogen - Organic										
Nitrogen - TKN										
Oil & Grease	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
PCB (ug/l)										
pH (lab)	7.7	6.3	7.0	7.1	7.6					
Phenol										
Phos. - Total P										
Phthalate (ug/l)										
Potassium										
Sodium										
Solids, Suspend.										
Solids, Vol. Susp.										
Solids, Total										
Spec. Cond.										
~~Sulfate~~ BORON	1.30	0.24	0.14	0.61	0.50					
TOC (Org. Carbon)										
Zinc	[illegible]	.12	.13	[illegible]	[illegible]					
Calcium ($CaCO_3$)										
Magnesium ($CaCO_3$)										
Solids, Dissolved										
Coliform - Total										
Coliform - Fecal										
Fecal Strep.										
SELENIUM	<0.010	<0.0[illegible]	[illegible]	<[illegible]	[illegible]					

3166 - 3170

4-76

Lab Analysis # 3169 Sample Opened On AUG 27 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT Sample Date 76 (YR 11-12) 8 (MO 13-14) 26 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: Send results to BRUCE PALM
SOLID WASTE MGMT.
SAMPLE #4 ROOM 221
EXT. 6400
(DITCH NEAR BASE OF FILL AREA)

Code	Parameter	Unit	✓	Lab Data
28-32 00410	Alkalinity Total as $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	0.11
00310	BOD_5	mg/l		
01027	Cadmium	mg/l	✓	0.01
00940	Chlorides	mg/l	✓	500.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		<0.01
00340	COD	mg/l	✓	260.
01042	Copper	mg/l	✓	<0.02
00720	Cyanide -CN	mg/l	✓	<0.001
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l		
01051	Lead	mg/l	✓	0.14
01055	Manganese	mg/l	✓	0.89
71900	Mercury-Total	PPB		<0.1
01065	Nickel	mg/l	✓	0.08
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l	✓	14.
00403	pH (lab)		✓	7.1
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l	✓	0.33
74055	Fecal Coli.	100 ml		
	SELINIUM		✓	<0.010
	BORON		✓	0.61

REPORTED
OCT 28 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

Lab Analysis # 3170 AUG 27 1976 Sample Opened On _____ By _____

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT Sample Date 76 (YR 11-12) 8 (MO 13-14) 26 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) _____ (17) 1-NPDES 2-SPC-15 3-WQ Study

_____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

_____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

_____ (20) Sample Interval

_____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[redacted]						
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[redacted]						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: send results to: BRUCE PALIN
SOLID WASTE MGMT
SAMPLE #5 ROOM 221
Ext. 6400
(OUTFALL GOING INTO THE RIVER)

Code	Parameter	Unit	✓	Lab Data
(28-32) 00410	Alkalinity Total as $CaCO_3$	mg/l		(34-41)
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	0.41
00310	BOD_5	mg/l		
01027	Cadmium	mg/l	✓	0.01
00940	Chlorides	mg/l	✓	470.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		<0.01
00340	COD	mg/l	✓	320.
01042	Copper	mg/l	✓	<0.02
00720	Cyanide -CN	mg/l	✓	<0.001
00951	Fluoride	mg/l		
01045	Iron-Total	mg/l		
01051	Lead	mg/l	✓	0.13
01055	Manganese	mg/l	✓	0.58
71900	Mercury-Total	PPB	✓	0.6
01065	Nickel	mg/l	✓	0.13
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l	✓	15.
00403	pH (lab)		✓	7.6
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l	✓	0.35
74055	Fecal Coli.	100 ml		
	SELINIUM		✓	<0.010
	BORON		✓	0.50

REPORTED
OCT 7 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

11 89

Lab Analysis # (4) Sample Opened On MAY 13 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT L.F.

City GARY

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10)

17: 1-NPDES 2-SPC-15 3-WQ Study

18: Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

19: Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

21: 0-at outfall
1-above outfall
2-below outfall

20: Sample Interval

22-26: Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
Rm 221
[WELL #4]

Code	Parameter	Unit	✓	Lab Data
28-32 00410	Alkalinity (total) as $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	2.7
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	110.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	45.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	1.8
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	8.3
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		

REPORTED
JUN 7 1976
WATER LABORATORY
N.D. STATE BD. OF HEALTH

11HO

Lab Analysis # (5) Sample Opened On MAY 13 1976 By JGS

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT L.F.

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) - Outfall _____ (8-10) _____ (17) 1-NPDES 2-SPC-15 3-WQ Study

_____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

_____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

_____ (20) Sample Interval

_____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
Rm 221
[DISCHARGE PIPE ON S. SIDE OF SITE]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Alkalinity Total as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	0.64
00310	BOD_5	mg/l	✓	130.
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	480.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	350.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	<0.1
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	8.2
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	<0.10 AS AROCLOR 1254

REPORTED
JUN 22 1976
WATER LABORATORY
IND. STATE BD. OF HEALTH

1142

Lab Analysis # 7 Sample Opened On MAY 1 3 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT L.F.

City GARY

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10)

_____ (17) 1-NPDES 2-SPC-15 3-WQ Study

_____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

_____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21)
0-at outfall
1-above outfall
2-below outfall

_____ (20) Sample Interval

_____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						
Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						
Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
RM 221
[STREAM 100 YD. ABOVE DISCH. PIPE]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Alkalinity (Total) as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	3.5
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	42.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	25.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	0.7
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	7.4
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	<0.10 AS AROCLOR 1254

REPORTED
JUN 7 1976
WATER LABORATORY
ILL. STATE BD. OF HEALTH

1142

Lab Analysis # (8) Sample Opened On MAY 13 1976 By

Supervisor Room # Station

Facility GARY LAND DEVELOPEMENT L.F. Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # (1-7) - Outfall (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21)
0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[illegible]						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[illegible]						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
Rm 221
[DITCH ON E. SIDE OF ON SITE ROAD]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Alkalinity Total as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	0.27
00310	BOD_5	mg/l	✓	140.
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	530.
01032	Chromium-Hex	mg/l	✓	< 0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	360.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	1.7
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	8.3
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		
	PCB (ug/l)		✓	< 0.10 AS AROCLOR 1254

REPORTED
JUN 7 1976
WATER LABORATORY
N.D. STATE BD. OF HEALTH

Lab Analysis # 9 Sample Opened On MAY 13 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPEMENT L.F.

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

City GARY

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) ____ (17) 1-NPDES 2-SPC-15 3-WQ Study

____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21)
0-at outfall
1-above outfall
2-below outfall

____ (20) Sample Interval

____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
Rm 221
[DITCH ON W. SIDE OF ON SITE ROAD]

Code	Parameter	Unit	✓	Lab Data
28-32 00410	Alkalinity Total as $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	1.7
00310	BOD_5	mg/l	✓	120.
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	1300.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	460.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	1.2
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	10.5
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		JUN 7 1976
00625	TKN	mg/l		
00680	TOC	mg/l		WATER LABORATORY IND. STATE BD. OF HEALTH
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		

114/C

Lab Analysis # (10) Sample Opened On MAY 1 3 1976 By

Supervisor _____ Room # _____ Station _____

Facility GARY LAND DEVELOPMENT L.F.

City GARY

Sample Date 76 (YR 11-12) 5 (MO 13-14) 12 (DAY 15-16)

NPDES # or Prime # _____ (1-7) Outfall _____ (8-10) _____ (17) 1-NPDES 2-SPC-15 3-WQ Study

_____ (18) Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

_____ (19) Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

(21) 0-at outfall
1-above outfall
2-below outfall

_____ (20) Sample Interval

_____ (22-26) Stream Miles from Outfall

Card # (27)	1	1	1	1	1	1
Para. # (28-32)	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl, mg/l
34-41						
42-49						
50-57						
58-65						

Card # (27)	2	2	2	2	2	2
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Card # (27)	3	3	3	3	3	3
Para. # (28-32)	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAYHUFF
SOLID WASTE SEC.
RM 221
[STREAM 300YD. DOWN STREAM OF DISCH. PIPE]

Code (28-32)	Parameter	Unit	✓	Lab Data (34-41)
00410	Total Alkalinity as $CaCO_3$	mg/l		
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	<0.010
00310	BOD_5	mg/l	✓	4.8
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	46.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	36.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	0.7
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	7.0
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		

REPORTED
JUN 7 1976
WATER LABORATORY
ILLINOIS DEPT. OF HEALTH

1146

Lab Analysis # (11) Sample Opened On MAY 13 1974 By

Supervisor Room # Station

Facility GARY LAND DEVELOPEMENT L.F. Sample Date

City GARY YR 11-12 MO 13-14 DAY 15-16

NPDES # or Prime # 1-7 Outfall 8-10 17 1-NPDES 2-SPC-15 3-WQ Study

18 Category of Discharger
1-Industry
2-Semi-Public
3-Municipal
4-Federal
5-Public Water Supply
6-Other

19 Sample Type
1-Grab
2-24-Hr. Equal Volume Comp.
3-8-Hr. Equal Volume Comp.
4-24-Hr. Flow Weighted Comp.
5-8-Hr. Flow Weighted Comp.

21 0-at outfall
1-above outfall
2-below outfall

20 Sample Interval

22-26 Stream Miles from Outfall.

Card # 27	1	1	1	1	1	1
Para. # 28-32	00001	00010	00300	00400	50050	50060
	Time, hr	Temp, °C	DO	pH	Flow, MGD	Res. Chl. mg/l
[redacted]						
42-49						
50-57						
58-65						

Card # 27	2	2	2	2	2	2
Para. # 28-32	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
[redacted]						

Card # 27	3	3	3	3	3	3
Para. # 28-32	00001	00010	00300	00400	50050	50060
34-41						
42-49						
50-57						
58-65						

Comments: SEND RESULTS TO:
GEORGE DAXAUFF
SOLID WASTE SEC.
RM 221
[POOL AT BOTTOM OF SITE'S
W. CENTRAL SIDE]

Code	Parameter	Unit	✓	Lab Data
28-32 00410	Alkalinity Total as $CaCO_3$	mg/l		34-41
00610	Ammonia-N	mg/l		
01000	Arsenic	mg/l	✓	4.8
00310	BOD_5 *	mg/l	✓	
01027	Cadmium	mg/l		
00940	Chlorides	mg/l	✓	220.
01032	Chromium-Hex	mg/l	✓	<0.01
01034	Chromium-Tot	mg/l		
00340	COD	mg/l	✓	1000.
01042	Copper	mg/l		
00720	Cyanide -CN	mg/l		
00951	Fluoride	mg/l	✓	1.5
01045	Iron-Total	mg/l		
01051	Lead	mg/l		
01055	Manganese	mg/l		
71900	Mercury-Total	PPB		
01065	Nickel	mg/l		
00630	$NO_2 + NO_3$	mg/l		
00550	Oil & Grease	mg/l		
00403	pH (lab)		✓	11.8
32730	Phenol	mg/l		
00670	Phosphorus -P	mg/l		
00547	Solids - Susp	mg/l		
70401	Solids (total)	mg/l		
00945	Sulfate	mg/l		
00625	TKN	mg/l		
00680	TOC	mg/l		
01092	Zinc	mg/l		
74055	Fecal Coli.	100 ml		

REPORTED
JUN 7 1974
WATER LABORATORY
IND. STATE BD. OF HEALTH

* BOD 10% DIL. = 48.
3% DIL = 150.
1% DIL = 220.