UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III - 6th & Walnut Sts.
Philadelphia, Pa. 19106

SUBJECT: RCRA Inspection / RCA Corp. PAD 001 882 372

DATE: 6/12/87

FROM: Patrick M. McManus PMM.
Environmental Engineer (3HW11)

TO: File

Thru: Peter W. Schaul, Chief
RCRA Enforcement Section (3HW11)

BASED UPON A REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS REQUIRED AT THIS TIME.

Note:

I spoke to John Mellow concerning the observation on the low hydraulic head for the upgradient well. John explained that borings drilled prior to well installation confirm that the upgradient well (MW#) is properly located. The information known about the regional gw flow also supports the location of MW #1. John's opinion is that the low hydraulic head is cause by a vertical gradient in the area. The wells are located in a confined aquifer and [redacted] are all about 400' deep.

Update:

Ken called John Mellow of DER to relay his comments. John said he will be looking into the possible well placement problem during the annual gw elevation measurements. PMM. 6/28/87

[illegible]

Pat,

The explanation that the lower head in well M-1 is due to a vertical hydraulic gradient is questionable. All the wells are of comparable depth and open to the same formations. The water levels in all wells fluctuate similarly and well M-1 has had the lowest total head for the last 9 months. I had John send me the drillers logs, a base map and all water level data which is attached. The

9/17/86 Chester Engineer Report [illegible] offers up some possible explanations for the seemingly anomalous water level results.

✓ 1. Equilibrium - This does not seem feasible since the water levels have been the same for 9 months.

✓ 2. Artificial impacts - Pumping wells southeast of the sites could be responsible for the water level results in a confined aquifer. This could also mean that groundwater flow could be to the west/southwest. If this is the case the monitoring network would have to be modified

3. Hydrostatic pressure - The mine voids are cased off. The well M-1 water level does not reach up to the bottom of the cased off interval (about 800' msl) The boring log for well M-1 does not show any voids below the 700 ft elevation it does show a soft [illegible] sandstone at Elev. 780 which is where the water level is.

4. Complex Structural Patterns - Just because the geology is complicated does not release RCA from adequately characterizing the hydrogeology. The water level data indicates that the monitoring system may not be adequate it is RCA responsibility to show that it is

I might suggest down hole geophysics to log the bore hole voids, joints and fractures, Also a Down hole camera survey might help identify where water is coming into the bore holes and where it might be exiting the bore holes via fractures above the aquifer. It should be determined that there are no pumping wells located west or south west of the RCA facility

Ken

ER—WM—7: Rev. 10/85

CME

4/20/87

Date Prepared

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

P	A	D	0	0	1	8	8	2	3	7	2

I.D. Number

Hazardous Waste Management

Facility Inspection Checklist for Compliance with Interim Status Standards Covering Ground-Water Monitoring

FORM 4

Facility Name RCA Corporation

County Lackawanna

Company Address Keystone Industrial Park, Dunmore, PA

Company Contact/Official Thomas Conley

Title Manager, Plant Engineering

Facility Permit Number PAD# 001882372

Municipality Dunmore Borough

Inspector's Name Alexander J. Zdzinski

Branch/Organization Pa DER/BWM

Date of Inspection 3/4/87

Type of facility: (check appropriately)	Yes	No	Unknown
a) surface impoundment	✓		
b) landfill		✓	
c) land treatment facility		✓	
d) disposal waste pile*		✓	

Ground-Water Monitoring Program

	Yes	No	Unknown
1. Was the ground-water monitoring program reviewed prior to site visit?		✓	
If "No",	Comment A		
a) Was the ground-water program reviewed at the facility prior to site inspection?	✓		
2. Has a ground-water monitoring program (capable of determining the facility's impact on the quality of any ground-water system which the facility has the potential to affect, or as otherwise deemed necessary by the Department) been implemented? 75.265(n)(1)	✓		
	Comment B.		
3. Has at least one monitoring well been installed hydraulically upgradient from the limit of the waste management area? 75.265(n)(3)(i)	✓		
	Comment C		
a) Are ground-water samples from the upgradient well representative of background ground-water quality and not affected by the facility (as ensured by proper well number, locations, and depths)?	✓		

* Listed separate from landfill for convenience of identification.

		Yes	No	Unknown
4.	Have at least three monitoring wells been installed hydraulically downgradient at the perimeter of the waste management area? 75.265(n)(3)(ii)	✓		
	a) Do well number, locations, and depths ensure prompt detection of any statistically significant amounts of hazardous waste or hazardous waste constituents that migrate from the waste management area to the groundwater?	✓		
	b) Have the locations of the monitoring wells been approved by the Department? 75.265(n)(3)(iii)	✓		
5.	Have the locations of the waste management areas been verified to conform with information in the ground-water program?	✓		
	a) If the facility contains multiple waste management components, is each component adequately monitored?	n.a.		
6	Do the numbers, locations, and depths of the ground-water monitoring wells agree with the data in the ground-water monitoring system program? (If "No", explain discrepancies on an attachment.)	✓		
7.	Well completion details: 75.265(n)(5) and 75.265(n)(6)			
	a) Are wells properly cased?	✓		
	b) Are wells screened (perforated) and packed where necessary to enable sampling at appropriate depths?	✓		
	c) Are annular spaces properly sealed to prevent contamination of samples and the ground water?		comment H ✓	
8.	Has a ground-water sampling and analysis plan been developed? 75.265(n)(7)	✓		
	a) Has it been followed?	✓		
	b) Is the plan kept at the facility?	✓		
	c) Does the plan include procedures and techniques for:			
	1) Sample collection?	✓		
	2) Sample preservation?	✓		
	3) Sample shipment?	✓		
	4) Analytical procedures?	✓		
	5) Chain of custody control?	✓		

	Yes	No	Unknown
9. Are the required parameters in ground-water samples being tested quarterly for the first year? 75.265(n)(8) and 75.265(n)(9)	✓		
a) Are the ground-water samples analyzed for the following:			
1) Parameters characterizing the suitability of the ground-water as a drinking water supply? 75.265(n)(8)(i)	✓		
2) Parameters establishing ground-water quality? 75.265(n)(8)(ii)	✓		
3) Parameters used as indicators of ground-water contamination? 75.265(n)(8)(iii)	✓		
(i) Has provision been made for the establishment of initial background concentrations of all parameters in all monitoring wells quarterly during the first year? 75.265(n)(9)	✓		
(ii) For each indicator parameter, are at least four replicate measurements obtained at each upgradient well for each sample obtained during the first year of monitoring? 75.265(n)(10)	✓		
(iii) Are provisions made to calculate the initial background arithmetic mean and variance of the respective parameter concentrations or values obtained from the upgradient well(s) during the first year? 75.265(n)(10)	comment D ✓		
b) For facilities which have completed first year ground-water sampling and analysis requirements:			
1) Have samples been obtained and analyzed for the ground-water quality parameters at least semi-annually? 75.265(n)(11)(i)	n.a.		
2) Have samples been obtained and analyzed for the indicators of ground-water contamination at least quarterly? 75.265(n)(11)(ii)	n.a.		
c) Were ground-water surface elevations determined at each monitoring well each time a sample was taken? 75.265(n)(12)	✓		
d) Were the ground-water surface elevations evaluated at least annually (by January 31) to determine whether the monitoring wells are properly constructed? 75.265(n)(17)			comment E ✓
e) If it was determined that modification of the number, location, or depth of monitoring wells was necessary, was the system brought into compliance with 75.265(n)(3)? 75.265(n)(17)	n.a.		
f) Prior to any construction modification, were any proposed changes approved in writing by the Department? 75.265(n)(17)	n.a.		

		Yes	No	Unknown
		comment	F	
10.	Has an outline of a ground-water quality assessment and abatement program been prepared? 75.265(n)(13)	✓		
	a) Does it describe a program capable of the following:			
	1) Determining which hazardous waste or hazardous waste constituents have entered the ground water? 75.265(n)(13)(i)	✓		
	2) Determining the rate and extent of migration of hazardous waste or hazardous waste constituents in ground water? 75.265(n)(13)(ii)	✓		
	3) Determining concentrations of hazardous waste or hazardous waste constituents in ground water? 75.265(n)(13)(iii)	✓		
	4) Abating any ground-water contamination attributable to the hazardous waste management facility? 75.265(n)(13)(iv)			not required ✓
	b) After the first year of monitoring, have at least four replicate measurements of each indicator parameter been obtained for samples taken from each well monitored? 75.265(n)(14)	n.a.		
	1) Were the results compared with the initial background means from the upgradient well(s) determined during the first year?	n.a.		
	(i) Was each well considered individually?	n.a.		
	(ii) Was the Student's t-test used at the appropriate level of significance (see Chapter 75, Subchapter D, Appendix III)?	n.a.		
	2) Was a significant increase (or pH decrease as well) found in the:			
	(i) Upgradient wells	n.a.		
	(ii) Downgradient wells	n.a.		
	If "Yes", Hazardous Waste Management Form 5 must also be completed.			
11.	Have records been kept of the analyses required in paragraphs 75.265(n)(9) through 75.265(n)(11)? 75.265(n)(18)(i)	✓		
12.	Have records been kept of ground-water surface elevations taken at the time of sampling for each well (75.265(n)(12))? 75.265(n)(18)(i)	✓		
13.	Have records been kept of required elevations in indicator parameters (75.265(n)(14))? 75.265(n)(18)(i)	✓		

		Yes	No	Unknown
14.	Has the following ground-water information been reported to the Department: 75.265(n)(18)(ii)			
(a)(i)	During the first year, initial background concentrations of parameters listed in 75.265(n)(8)(i) within 15 days after completing each quarterly analysis required during the first year?	✓		
(ii)	For each well, have any parameters whose concentrations or values have exceeded the maximum contaminant levels allowed in drinking water supplies been separately identified?	coliform - yes Turbidity - no	✓	Comment G.
(b)(i)	Semi-annual measurements of the parameters establishing ground-water quality (75.265(n)(8)(ii)) for each ground-water monitoring well taken at the end of the first (April 1) and third (October 1) quarters?	na.		
(ii)	Have any significant differences from the initial background found in the wells been separately identified?	na.		
(iii)	Has this information been submitted as part of the quarterly report (75.265(m)) for those facilities receiving hazardous waste from off-site sources?	na.		
(c)(i)	Quarterly measurement of the parameters used as indicators of ground-water contamination (75.265(n)(8)(iii)) and the required evaluations of these parameters under 75.265(n)(14)?	✓		
(ii)	Have any significant differences from initial background found in the upgradient wells been separately identified and included in the quarterly submission?	na.		
(d)(i)	Quarterly results of the evaluation of ground-water surface elevations under 75.265(n)(17)?	✓		
(ii)	If applicable, has a description of the response to that evaluation been included?	na.		

Form 4 Attachment
Facility: RCA Corporation
I.D. # PAD 001882372

Comments:

A). I was accompanied on my site visit by John Mellow, a hydrogeologist with the PaDER Wilkes-Barre office who was familiar with the site. He reviewed with me the configuration of the site's groundwater monitoring system while we were on the site.

B). The hydraulic head level in the upgradient well (MW-1) is generally 30 ~~feet~~ lower than the highest hydraulic head level observed among the site observation wells (well MW-3 usually had the highest observed hydraulic head level of the four observation wells). Based on observed hydraulic head levels at nearby sites (such as the adjacent Keystone Landfill) the direction of groundwater flow was inferred by the DER hydrogeologist to be toward the east-northeast. This would mean that well MW-1 should be in an upgradient position relative to the lagoon. However, well MW-1 is drilled to a greater depth than the other observation wells before it intercepted the confined aquifer, so it is possible that the lower value of hydraulic

This can't be so.

head may due to a vertical hydraulic head drop with depth rather than a local reversal of the direction of groundwater flow away from its regional trend.

C). Because the hydraulic head of the designated upgradient well is lower than the hydraulic head of the other observation wells there exists some slight possibility that the local direction of groundwater flow has been mis-identified, but I do not think this is likely (see comment B above).

D). The closure plan specifies that the arithmatic mean and varience of the indicator parameter concentrations sampled in the upgradient well over the first year of sampling will be calculated at the end of the first year of sampling. (The first year of background sampling has not yet been completed).

E). No evaluation of the groundwater surface elevations has yet been given, but the first full year of groundwater monitoring has not yet been completed.

F). An outline of an assesment program has been submitted but no outline of an abatement program has been submitted other than statements saying that an abatement program would be pursued if the results of the assessment program showed groundwater contamination has occured and that the abatement program that would be pursued would be based on the results of the assessment program. Note: Commonwealth regulations 75.264 only require the submission of an assessment plan outline, and do not require the submission of an abatement plan outline.

G). On 8/18/86 groundwater samples were taken which had turbidity values exceeding 5 NTU when they were subsequently analyzed. No comment was made by RCA about these high Turbidity values. RCA did identify in its reports where well water samples exceeded the recommended levels of coliform. Overall the facility has generally reported where maximum contaminents levels have been exceeded much more than they have failed to report where maximum contaminent levels have been exceeded.

H) The cement collars around the outsides of the walls were generally sitting flush with or slightly below the surface (sitting in a depression). The location of these cement collars could allow water to pond around the top of the well-casing, which might allow water to seep downward along the cement casing contact. If this were to happen the water might contaminate the well-water in the well. The presence of water between the cement and the casing might also lead to the degradation of the cement seal at the top of the well, since the freezing and thawing of this water over time might open a gap between the cement and the casing. Responsible people at the R.C.A Corporation were verbally told of these deficiencies by John Mellow, a hydrogeologist with the Wilkes-Barre Regional Office of the Pa. DER, but no action had yet been taken to correct this problem at the time of the last quarterly sampling.

ER-BL-13.1
7/83

1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number CMb-1315

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD#001882372	MW-1	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3) 1 / 2	ID CODE (ALL CARDS) 4–16 Cnty Mun T Est Case Fac.	LATITUDE 4–10	LONGITUDE 11–18	DATE 19–24 M D Y	TIME 25–28 Hr Min	KIND 29
			0	03 04 87	11 45	

USGS Q 30 34	BUREAU 35–37 AMIS	SAMPLE NUMBER 38–43	STREAM NAME 44–57	RELATIVE POINT 58
	300	220 2243		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Endrin, Sinclone, Methoxychlor toxaphene

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043375

Received by: JHM

Legal Seal Condition: Intact

QUALITATIVE REPORT

Unscheduled 1900 **DO NOT WRITE BELOW THIS LINE**

Melt "Pesticides" - None detected

Several unknown compounds present.

SOLID WASTE MOUT
APR 9 12 05 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST J. H. Maljevac
SIGNATURE

DATE 4/3/87

ER-BL-13.1
7/83

1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number CW-1316

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD ID# 001882372	MW-1	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J MELLOW 826-2516		

CARD (3)	ID CODE (ALL CARDS) 4–16	LATITUDE 4–10	LONGITUDE 11–18	DATE 19–24	TIME 25–28	KIND 29
1 / 2	Cnty / Mun / T / Est / Case / Fac.		0	M 03 D 04 Y 87	Hr 11 Min 45	

USGS Q 30 34	BUREAU 35–37 AMIS	SAMPLE NUMBER 38–43	STREAM NAME 44–57	RELATIVE POINT 58
	300	220243		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

2,4-D
2,4,5-TP (Silvex)

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043374

Received by:

Legal Seal Condition: INTACT

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

2,4-D - DETECTION LIMIT ~0.4 mg/L } NONE DETECTED
SILVEX - DETECTION LIMIT ~0.1 mg/L }

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST [signature] SIGNATURE

DATE 3/20/87

ER-BL-13.1
7/83

Lab Number ORG-1318

Date Received 3/6/87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORP.	PAD#001882372	MW-2	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3)	ID CODE (ALL CARDS) 4–16	LATITUDE 4–10	LONGITUDE 11–18	DATE 19–24	TIME 25–28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 0 3 9 4 8 7	Hr Min: 1 2 1 0	

USGS Q 30 34	BUREAU 35–37 AMIS	SAMPLE NUMBER 38–43	STREAM NAME 44–57	RELATIVE POINT 58
	3 0 0	2 2 0 2 2 4 4		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

2,4-D
2,4,5-TP (Silvex)

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043345

Received by:

Legal Seal Condition: INTACT (ok)

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

2,4-D - DETECTION LIMIT ~ 0.4 mg/L
SILVEX - DETECTION LIMIT ~ 0.1 mg/L
} NONE DETECTED

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST [signature] SIGNATURE DATE 3/30/87

ER-BL-13.1
7/83

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number ORG-1317

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD ID# C 01882372	MW-2	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 03 04 87	Hr Min: 12 10	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	2202244		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Endrin, Lindane
Methoxychlor
Toraphene

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043346

Received by: JHM

Legal Seal Condition: Intact

QUALITATIVE REPORT

Unscheduled 1900 **DO NOT WRITE BELOW THIS LINE**

MEL+ Pesticides - None detected

Several unknown compounds present.

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST J. H. Malgeran
SIGNATURE

DATE 4/3/87

ER-BL-13.1
7/83

Lab Number ORG-1320

Date Received 3/6/87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORP	PAD ID# 001882372	MW-3	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW		

CARD (3)	ID CODE (ALL CARDS) 4–16	LATITUDE 4–10	LONGITUDE 11–18	DATE 19–24	TIME 25–28	KIND 29
1 / 2	Cnty / Mun / T / Est / Case / Fac.		0	M D Y: 030497	Hr Min: 1245	

USGS Q 30 34	BUREAU 35–37 AMIS	SAMPLE NUMBER 38–43	STREAM NAME 44–57	RELATIVE POINT 58
	300	220224 5		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

2,4-D
2,4,5-TP (SILVEX)

CUSTODY LOG

How Shipped PUROLATOR Date 3/4/87

Legal Seal No. 043363

Received by:

Legal Seal Condition: INTACT

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

2,4-D - DETECTION LIMIT ≈ 0.4 ug/L } NONE DETECTED
SILVEX - DETECTION LIMIT ≈ 0.1 ug/L }

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST [signature] SIGNATURE

DATE 3/20/87

ER-BL-13.1
7/83

Lab Number ORG-1319

Date Received 3/6/87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD ID# 001882372	MW-3	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELCOW 826-2516		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 03 04 87	Hr Min: 12 45	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	3 0 0	2 2 0 2 2 4 5		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Endrin, Lindane
Methoxychlor
toxaphene

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043362

Received by: J Hm

Legal Seal Condition: Intact

QUALITATIVE REPORT

Unscheduled 1900

DO NOT WRITE BELOW THIS LINE

MEL+ Pesticides - None detected

Several unknown compounds present.

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

SOLID WASTE MGMT.
APR 9 12 05 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
BUREAU OF
ENV. PROTECTION
WILKES-BARRE REGION

ANALYST J. H. Maljevac
SIGNATURE

DATE 4/3/87

ER-BL-13.1
7/83

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number ORG-1321

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD ID# 001882372	MW-4	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3) 1 / 2	ID CODE (ALL CARDS) 4-16 Cnty Mun T Est Case Fac.	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 Hr Min	KIND 29
			0	03 04 87	13 10	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	2202246		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES
Endrin, Lindane
Methochlor
toraphene

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043373

Received by: J Hm

Legal Seal Condition: Intact

QUALITATIVE REPORT

Unscheduled 1900 **DO NOT WRITE BELOW THIS LINE**

MEL+ Pesticides - none detected

Several unknown compounds present.

SOLID WASTE MGMT.
APR 9 12 PM '87
DEPT OF ENVIRONMENTAL RESOURCES
OFFICE OF ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST J. H. Maljevac
SIGNATURE

DATE 4/3/87

ER-BL-13.1
7/83

Lab Number ORG-1322

Date Received 3/6/87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD IDH 001882372	MCC-4	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3)	ID CODE (ALL CARDS) 4–16	LATITUDE 4–10	LONGITUDE 11–18	DATE 19–24	TIME 25–28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 030487	Hr Min: 1310	

USGS Q 30 34	BUREAU 35–37 AMIS	SAMPLE NUMBER 38–43	STREAM NAME 44–57	RELATIVE POINT 58
	300	220246		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

2,4-D
2,4,5-TP (Silvex)

CUSTODY LOG

How Shipped Pumpkin Date 3/4/87

Legal Seal No. 043398

Received by:

Legal Seal Condition: INTACT

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

2,4-D - DETECTION LIMIT ~0.4 MG/L - NONE DETECTED
2,4,5-TP (SILVEX) - DETECTION LIMIT ~0.1 MG/L - NONE DETECTED

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST [signature] SIGNATURE

DATE 3/20/87

ER-BL-13.1
7/83

1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number Orle-1314

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORP.	PAD#	MW-6	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2516		

CARD (3) 1 / 2	ID CODE (ALL CARDS) 4-16 Cnty Mun T Est Case Fac.	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 Hr Min	KIND 29
			0	03 04 87	11 15	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	2202242		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

2,4-D
2,4,5-TP (Silvex)

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043355

Received by:

Legal Seal Condition: INTACT CNS

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

2,4-D - DETECTION LIMIT ~ 0.4 ug/L } NONE DETECTED
SILVEX - DETECTION LIMIT ~ 0.1 ug/L }

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST [signature] SIGNATURE DATE 3/20/87

ER-BL-13.1
7/83

1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number 01Gr-1313
Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD# 001882372	MW-6	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. MELLOW 826-2576		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 03 04 87	Hr Min: 11 15	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	310	220224 2		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES
Endrin, lindane
Methoxychlor
toxaphene

CUSTODY LOG

How Shipped Purolator Date 3/4/87
Legal Seal No. 043354
Received by: J Hun
Legal Seal Condition: Intact

QUALITATIVE REPORT

Unscheduled 1750

DO NOT WRITE BELOW THIS LINE

MELT Pesticides - None detected

Many unknown compounds present.

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

SOLID WASTE MGMT.
APR 9 12 05 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
OFFICE OF ENV. PROTECTION
WILKES-BARRE REGION

ANALYST J. H. MacGregor
SIGNATURE

DATE 4/3/87

ER-BL-13.1
7/83

Lab Number 20442

Date Received 3-6-87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD# 001882372	MW-1	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. Mellow		

CARD (3)	ID CODE (ALL CARDS) 4-16						LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24			TIME 25-28		KIND 29
1 / 2	Cnty	Mun	T	Est	Case	Fac.		0	M	D	Y	Hr	Min	
									03	04	87	11	45	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	202243		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Gross α
Gross β
Radium

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043347

Received by:

Legal Seal Condition:

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

SOLID WASTE MGMT.
1 46 PM '87
DEPT. OF ENV. RESOURCES
OFFICE OF
ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST _____ DATE _____
SIGNATURE

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

Lab Number 20442

Date Received 3/6/87

Establishment RCA Corporation	**Case** PAD# 001882372	**Facility** MW-1
Collector's Name J.Mellow	**Phone Number** ?	**Sample Number** 2022243
Region N/A	**Grant** OTHER	**Bureau/Agency** SWM
Type Water	**Date Collected** 3/04/87	**Time Collected** 11:45
Air Volume N/A	**County** Lackawanna	**Municipality** Dunmore

---

Tests Requested :
Gross Alpha Beta
Radium

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

ANALYTICAL RESULTS

Lab Number 20442

Date Received 3/6/87

Values are in picocuries per liter

	L.L.D.(95%)	SAMPLE VALUE	COUNTING ERROR(95%)
Alpha	*** 2.149419	.1537496	1.313551
Beta	3.003732	4.837665	2.024932
Radium 226	2.145613E-02	.1286562	1.722919E-02
Radium 228	*** 2.55571	-1.559525	1.398827

'***' = LESS THAN L.L.D.

DATE PRINTED : 3/30/87

REVIEWED BY : MM Thall
4-1-87

ER-BL-13.1
7/83

Lab Number 20443

Date Received 3-6-87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD # 001882372	MW-2	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. Meliow		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 030487	Hr Min: 12 10	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	202224		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Gross α
Gross β
Radium

CUSTODY LOG

How Shipped Pumulator Date 3/4/87

Legal Seal No. 043341

Received by:

Legal Seal Condition:

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

SOLID WASTE MGMT.
APR 6 1 10 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST _____ DATE _____
SIGNATURE

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

Lab Number 20443

Date Received 3/6/87

Establishment RCA Corporation	**Case** PAD# 001882372	**Facility** MW-2
Collector's Name J.Mellow	**Phone Number** ?	**Sample Number** 2022244
Region N/A	**Grant** OTHER	**Bureau/Agency** SWM
Type Water	**Date Collected** 03/04/87	**Time Collected** 12:10
Air Volume N/A	**County** Lackawanna	**Municipality** Dunmore

---

Tests Requested :
Gross Alpha Beta
Radium

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

ANALYTICAL RESULTS

Lab Number 20443

Date Received 3/6/87

Values are in picocuries per liter

	L.L.D.(95%)	SAMPLE VALUE	COUNTING ERROR(95%)
Alpha	*** 1.688104	.1207514	1.031632
Beta	2.308914	5.145977	1.62134
Radium 226	2.537733E-02	.0953858	1.814601E-02
Radium 228	*** 2.774098	-.5592133	1.609425

'***' = LESS THAN L.L.D.

DATE PRINTED : 3/30/87

REVIEWED BY : [illegible]
4-1-87

ER-BL-13.1
7/83

Lab Number 2C444

Date Received 3-6-87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD # 001882372	MW-3	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. Mellow		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24	TIME 25-28	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	M D Y: 0 3 0 4 8 7	Hr Min: 1 2 4 5	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	3 0 0	2 0 2 2 2 4 5		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Gross α
Gross β
Radium

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043368

Received by:

Legal Seal Condition:

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

SOLID WASTE MGMT.
APR 6 1 46 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
OFFICE OF ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST _____ DATE _____
SIGNATURE

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

Lab Number 20444

Date Received 3/6/87

Establishment RCA Corporation	**Case** PAD# 001882372	**Facility** MW-3
Collector's Name J.Mellow	**Phone Number** ?	**Sample Number** 2022245
Region N/A	**Grant** OTHER	**Bureau/Agency** SWM
Type Water	**Date Collected** 03/04/87	**Time Collected** 12:45
Air Volume N/A	**County** Lackawanna	**Municipality** Dunmore

---

Tests Requested :
Gross Alpha Beta
Radium

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

ANALYTICAL RESULTS

Lab Number 20444

Date Received 3/6/87

Values are in picocuries per liter

	L.L.D.(95%)	SAMPLE VALUE	COUNTING ERROR(95%)
Alpha	*** 1.668932	-.5968997	.8436437
Beta	*** 2.294991	1.829433	1.458048
Radium 226	2.026527E-02	7.241081E-02	1.510859E-02
Radium 228	*** 1.522301	-.2112903	.8907361

'***' = LESS THAN L.L.D.

DATE PRINTED : 3/30/87

REVIEWED BY : [illegible]
4-1-87

ER-BL-13.1
7/83

Lab Number 20445

Date Received 3-6-87

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA CORPORATION	PAD# 001882372	MW-4	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. Mellow		

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 Cnty Mun T Est Case Fac.	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 Hr Min	KIND 29
			0	03 04 87	13 10	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	2022246		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Gross α
Gross β
Radium

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043512

Received by:

Legal Seal Condition:

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

SOLID WASTE MGMT.
APR 17 '87
DEPT. OF ENVIRONMENTAL RESOURCES
ENVIRONMENTAL PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST _____ DATE _____
SIGNATURE

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

Lab Number 20445

Date Received 3/6/87

Establishment RCA Corporation	**Case** PAD# 001082372	**Facility** MW-4
Collector's Name J.Mellow	**Phone Number** ?	**Sample Number** 2022246
Region N/A	**Grant** OTHER	**Bureau/Agency** SWM
Type Water	**Date Collected** 03/04/87	**Time Collected** 13:10
Air Volume N/A	**County** Lackawanna	**Municipality** Dunmore

---

Tests Requested :
Gross Alpha Beta
Radium

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

ANALYTICAL RESULTS

Lab Number 20445

Date Received 3/6/87

Values are in picocuries per liter

	L.L.D.(95%)	SAMPLE VALUE	COUNTING ERROR(95%)
Alpha	1.757171	4.776288	1.843559
Beta	2.357856	6.866093	1.72591
Radium 226	1.682102E-02	.1182697	1.489129E-02
Radium 228 ***	1.613995	-.2190619	.9440694

'***' = LESS THAN L.L.D.

DATE PRINTED : 4/9/87

REVIEWED BY : [illegible]
4/10/87

ER-BL-13.1
7/83

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF LABORATORIES
SPECIAL ANALYSES REPORT

Lab Number 20441

Date Received 3/6/87

ESTABLISHMENT	CASE	FACILITY	COLL NUMBER
RCA Corporation	PAD# 001882372	MW-6	2202

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME/PHONE NUMBER	TYPE TR	STD ANALYSIS
LACKAWANNA	DUNMORE	SWM	J. Mellow		

CARD (3)	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (Hr Min)	KIND 29
1 / 2	Cnty Mun T Est Case Fac.		0	030487	11 15	

USGS Q 30 34	BUREAU 35-37 AMIS	SAMPLE NUMBER 38-43	STREAM NAME 44-57	RELATIVE POINT 58
	300	202242		

FULL DESCRIPTION WHERE SAMPLE TAKEN:

ADDITIONAL LAB ANALYSES

Gross - α
Gross β
Radium

CUSTODY LOG

How Shipped Purolator Date 3/4/87

Legal Seal No. 043382

Received by:

Legal Seal Condition:

QUALITATIVE REPORT

DO NOT WRITE BELOW THIS LINE

SOLID WASTE MGMT.
APR 6 1 46 PM '87
DEPT. OF ENVIRONMENTAL RESOURCES
OFFICE OF ENV. PROTECTION
WILKES-BARRE REGION

QUANTITATIVE RESULTS

ANALYSIS:	UNITS:	ANALYSIS CODE	RESULTS (SHOW DECIMAL POINTS ON LINES)

ANALYST _____ DATE _____
SIGNATURE

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

Lab Number 20441

Date Received 3/6/87

Establishment RCA Corporation	**Case** PAD# 001882372	**Facility** MW-6
Collector's Name J.Mellow	**Phone Number** ?	**Sample Number** 2022242
Region N/A	**Grant** 205(J)	**Bureau/Agency** SWM
Type Water	**Date Collected** 03/04/87	**Time Collected** 11:15
Air Volume N/A	**County** Lackawanna	**Municipality** Dunmore

---

Tests Requested :
Gross Alpha Beta
Radium

Commonwealth Of Pennsylvania
Department of Environmental Resources
Bureau of Laboratories
Radiation Measurement Laboratory

ANALYTICAL RESULTS

Lab Number 20441

Date Received 3/6/87

Values are in picocuries per liter

		L.L.D.(95%)	SAMPLE VALUE	COUNTING ERROR(95%)
Alpha	***	.732429	-.2095648	.3842187
Beta	***	1.924239	0	1.144575
Radium 226		1.669944E-02	3.917935E-02	1.196046E-02
Radium 228	***	1.986042	.8268021	1.24596

'***' = LESS THAN L.L.D.

DATE PRINTED : 3/30/87

REVIEWED BY : [illegible]
4-1-87

SAMPLE INQUIRY [illegible] FROM COLLECTOR # [illegible]

ESTABLISHMENT RCA CORPORATION — DATE COLLECTED 3/04/87

FACILITY PAD 001882372 — TIME COLLECTED 11:15

SMP PT DESC MW 6 — STREAM CODE 00000

RECEIVE INFO — [illegible]

SAMPLE STATUS IN PROCESS SOURCE [illegible] TYPE [illegible] [illegible] CODE

[illegible] FLOW INITIAL [illegible] [illegible] [illegible]

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
SPEC [illegible]		[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
T NO3-N	<	0.0400	MG/L	BLP	G	00620	A
T ORG C MG/L	<	1.0000	MG/L	WVM	[illegible]	[illegible]	
CA,TOTAL		0.0400	MG/L	[illegible]	G	[illegible]	A
[illegible]	<	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	<	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN -

DESCRIPTION		RESULT	UNITS	ANALYST	VO	TEST CODE	METHOD
BA DISS			UG/L			01005	A
BA TOT UG/L	<	10.0000	UG/L	DHN	G	01007	A
CD DISS	<	0.2000	UG/L	BHL	G	01025	Y
CD TOT UG/L	<	0.2000	UG/L	BHL	G	01027	[illegible]
CR DIS UG/L	<	4.0000	UG/L	BHL	G	01030	[illegible]
CR TOT UG/L	<	4.0000	UG/L	BHL	G	01034	[illegible]
FE TOT		24.0000	UG/L	DHN	G	01045	A
PB,DIS UG/L	<	4.0000	UG/L	BHL	G	01049	Y
PB,TOTAL	<	4.0000	UG/L	BHL	G	01051	Y
AG,DISS	<		UG/L			01075	[illegible]
AG,TOTAL	<	30.0000	UG/L	WPK	G	01077	A
SE DISS	<	6.0000	UG/L	BBM	G	01145	[illegible]
SE,T AS UG/L	<	6.0000	UG/L	BBM	G	01147	Y

SAMPLE INQUIRY ON [illegible] FROM COLLECTOR # [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED [illegible]

FACILITY PAD [illegible] TIME COLLECTED [illegible]

[illegible] STREAM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - :

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
PHENOLS		0.0000	UG/L	EVC	G	32730	A
ORG HLDS PPB	<	5.0000	UG/L	LCW	G	70353	
HG DISS	<	1.0000	UG/L	BBM	G	71890	X
MERCURY	<	1.0000	UG/L	BBM	G	[illegible]	X
TURB	<	1.0000	NTU	GMH	G	[illegible]	

SAMPLE INQUIRY CR- [illegible] FROM COLLECTOR [illegible]
ESTABLISHMENT NCA CORPORATION DATE COLLECTED [illegible]
FACILITY PAD [illegible] TIME COLLECTED 11.45
SMP PT [illegible] MW 1 STREAM CODE [illegible]
RECEIVE INFO RIVER MILE IND 0.0
SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE
AIR FLOW INITIAL 00 FINAL 00 HOURS RUN [illegible]

DESCRIPTION	RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
SPEC COND	430.0000		HWS	G	00095	
PH LAB	6.5000		MAM	G	00403	
RES D155/105	306.0000	MG/L	RLS	G	00515	
[illegible]	0.0400	MG/L	BLF	G	[illegible]	A
T ORG C MG/L	6.5000	MG/L	WVH	G	[illegible]	
CA,TOTAL	24.9000	MG/L	DHN	G	[illegible]	A
MG TOT MG/L	5.6700	MG/L	DHN	G	00927	A
NA,TOT MG/L	58.0000	MG/L	DHN	G	00929	A
CHLORIDE	4.0000	MG/L	BLF	G	00940	A
SO4 TOT	108.0000	MG/L	PUR	G	[illegible]	A
F,TOTAL	0.1000	MG/L	LVE	G	[illegible]	
AS DISS	5.0000	PPB	DES	G	[illegible]	[illegible]
AS,TOTAL	5.0000	UG/L	DES	G	01002	Y

SAMPLE INQUIRY ON [illegible] FROM COLLECTOR I [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED [illegible]

FACILITY PAD [illegible] TIME COLLECTED [illegible]

[illegible] STREAM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - :

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
BA DISS			UG/L			01005	A
BA TOT UG/L		- 40.0000	UG/L	DHN	G	01007	A
CD DISS	<	0.2000	UG/L	BHL	G	01025	Y
CD TOT UG/L	<	0.2000	UG/L	BHL	G	01027	Y
CR DIS UG/L	<	4.0000	UG/L	BHL	G	01030	Y
CR TOT UG/L	<	4.0000	UG/L	BHL	G	[illegible]	Y
FE TOT		2620.0000	UG/L	DHN	G	01045	A
PB,DIS UG/L	<	4.0000	UG/L	BHL	G	01049	Y
PB,TOTAL	<	4.0000	UG/L	BHL	G	01051	Y
AG,DISS	<	60.0000	UG/L	WPK	G	01075	A
AG,TOTAL	<	60.0000	UG/L	WPK	G	01077	A
SE DISS	<	6.0000	UG/L	BBM	G	01145	Y
SE,T AS UG/L	<	6.0000	UG/L	BBM	G	01147	Y

SAMPLE INQUIRY OR- [illegible] FROM COLLECTOR [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED 3/04/87

FACILITY PAD [illegible] TIME COLLECTED 11.45

SMP PT DESC MW 1 STREAM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - [illegible]

DESCRIPTION		RESULT	UNITS	ANALYST	VO	TEST CODE	METHOD
PHENOLS		0.0000	UG/L	EVC	G	32730	A
ORG HLDS PPB	<	5.0000	UG/L	LCW	G	70353	
HG DISS	<	1.0000	UG/L	BBM	G	71890	X
MERCURY	<	1.0000	UG/L	BBM	G	71900	X
TURB		32.0000	NTU	CMM	G	82077	

SAMPLE INQUIRY [illegible] FROM COLLECTION [illegible]

ESTABLISHMENT [illegible] CORPORATION DATE COLLECTED [illegible]

FACILITY [illegible] TIME COLLECTED [illegible]

[illegible] STREAM [illegible]

RECEIVE INFO RIVER MILE INC [illegible]

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN -

DESCRIPTION	RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
SPEC COND	360.0000		HWS	G	00095	
PH LAB	7.1000		MAM	G	00403	
RES DISS/105	250.0000	MG/L	RLS	G	00515	
T [illegible]	[illegible]	MG/L	[illegible]	G	[illegible]	A
T [illegible] MG/L	[illegible]	[illegible]	[illegible]	G	[illegible]	
CA,TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A
MG TOT MG/L	1.0900	MG/L	DHN	G	00927	A
NA,TOT MG/L	75.8000	MG/L	DHN	G	00929	A
CHLORIDE	4.0000	MG/L	BLF	G	00940	A
SO4 TOT	[illegible]	MG/L	[illegible]	G	[illegible]	A
F,TOTAL	[illegible]	MG/L	[illegible]	G	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	G	[illegible]	[illegible]
AS,TOTAL	5.9000	UG/L	DES	G	01002	Y

[illegible]

[illegible]

[illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN [illegible]

DESCRIPTION		RESUL.	UNITS	ANALYST	VE	TEST CODE	DETECT
BA DISS			UG/L			01005	A
BA TOT UG/L		46.0000	UG/L	DHN	G	01007	A
CD DISS	<	0.2000	UG/L	BHL	G	01025	Y
CD TOT UG/L	<	0.2000	UG/L	BHL	G	01027	Y
CR DIS UG/L	<	4.0000	UG/L	BHL	G	01030	Y
CR TOT UG/L	<	4.0000	UG/L	BHL	G	01034	Y
FE TOT		865.0000	UG/L	DHN	G	01045	A
PB,DIS UG/L	<	4.0000	UG/L	BHL	G	01049	Y
PB,TOTAL	<	4.0000	UG/L	BHL	G	01051	Y
HG,DISS	<	60.0000	UG/L	WPK	G	01070	A
HG,TOTAL	<	60.0000	UG/L	WPK	G	01071	A
SE DISS	<	1.0000	UG/L	DES	G	01145	Y
SE,T AS UG/L	<	15.0000	UG/L	BBM	G	01147	Y

SAMPLE INQUIRY ON NOTIFICATION FROM COLLECTOR # 2202244

ESTABLISHMENT RCA CORPORATION DATE COLLECTED 3/04/87

FACILITY PAD 001832872 TIME COLLECTED 12.10

SMPLRT DESC MW 2 STREAM CODE 00000

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
PHENOLS		5.0000	UG/L	EVC	G	32730	A
ORG HLDS PPB	<	5.0000	UG/L	LCW	G	70353	
HG DISS	<	1.0000	UG/L	BBM	G	71890	X
MERCURY	<	1.0000	UG/L	BBM	G	71900	X
TURB		5.0000	NTU	GMM	G	82079	

SAMPLE INQUIRY ON [illegible] FROM COLLECTOR [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED [illegible]

FACILITY PAD [illegible] TIME COLLECTED [illegible]

SMP PT DESC MW [illegible] STREAM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - [illegible]

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
SPEC COND		340.0000		HWS	G	00095	
PH LAB		6.9000		MAM	G	00403	
RES DISS/105		226.0000	MG/L	RLS	G	00515	
T NO3-N	<	0.0400	MG/L	BLF	G	00620	A
T ORG C MG/L		8.4000	MG/L	WVM	G	00680	
CA,TOTAL		5.7500	MG/L	DHN	G	00916	A
MG TOT MG/L		1.5100	MG/L	DHN	G	00927	A
NA,TOT MG/L		74.9000	MG/L	DHN	G	00929	A
CHLORIDE		5.0000	MG/L	BLF	G	00940	A
SO4 TOT		65.0000	MG/L	PUR	G	00945	A
F,TOTAL		0.2000	MG/L	EVC	G	00951	
AS DISS	<	4.0000	PPB	BBM	G	01000	Y
AS,TOTAL	<	4.0000	UG/L	BBM	G	01002	Y

SAMPLE INQUIRY ON [illegible] FROM COLLECTION [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED [illegible]

FACILITY [illegible] TIME COLLECTED [illegible]

SMP PT DESC MW 3 STREAM CODE 00000

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN -

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
BA DISS			UG/L			01005	A
BA TOT UG/L		41.0000	UG/L	DHN	G	01007	A
CD DISS	<	0.2000	UG/L	BHL	G	01025	Y
CD TOT UG/L	<	0.2000	UG/L	BHL	G	01027	Y
CR DIS UG/L	<	4.0000	UG/L	BHL	G	01030	Y
CR TOT UG/L	<	4.0000	UG/L	BHL	G	01034	Y
FE TOT		412.0000	UG/L	DHN	G	01045	A
PB,DIS UG/L	<	4.0000	UG/L	BHL	G	01049	Y
PB,TOTAL	<	4.0000	UG/L	BHL	G	01051	Y
AG,DISS	<		UG/L			[illegible]	A
AG,TOTAL	<	30.0000	UG/L	[illegible]	G	[illegible]	A
SE DISS	<	7.5000	UG/L	DES	G	[illegible]	Y
SE,T AS UG/L	<	7.5000	UG/L	DES	G	01147	Y

SAMPLE INQUIRY OR [illegible] FROM COLLECTOR # - [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED [illegible]

FACILITY PAL [illegible] TIME COLLECTED 12:45

[illegible] STREAM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN -

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
PHENOLS		2.5000	UG/L	EVC	G	32730	A
ORG HLDS PPB	<	5.0000	UG/L	LCW	C	70353	
HG DISS	<	1.0000	UG/L	DBM	G	71890	X
MERCURY	<	1.0000	UG/L	[illegible]	C	71900	X
TURB	<	[illegible]	[illegible]	[illegible]	G	82079	

SAMPLE INQUIRY ON [illegible] FROM COLLECTOR # [illegible]

ESTABLISHMENT RCA CORPORATION DATE COLLECTED 3/04/87

FACILITY PAD 661882372 TIME COLLECTED 13:10

SMP PT DESC MW 4 STREAM CODE 00000

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - :

DESCRIPTION	RESULT	UNITS	ANALYST	TC	TEST CODE	METHOD
SPEC COND	375.0000		HWS	G	00095	
PH LAB	7.1000		MAM	G	00403	
RES DISS/105	240.0000	MG/L	RLS	G	00515	
T NO3-N <	0.0400	MG/L	BLF	G	00620	A
T ORG C MG/L	6.2000	MG/L	WVM	G	00680	
CA,TOTAL		MG/L			00916	A
MG TOT MG/L		MG/L			00927	A
NA,TOT MG/L		MG/L			00929	A
CHLORIDE	4.0000	MG/L	BLF	G	00940	A
SO4 TOT	71.0000	MG/L	PUR	G	00945	A
F,TOTAL	0.3200	MG/L	[illegible]	G	00951	
AS DISS <	4.0000	PPB	[illegible]	G	01000	[illegible]
AS,TOTAL <	4.0000	UG/L	BBM	G	01002	Y

[illegible]

[illegible] DATE COLLECTED [illegible]

[illegible] TIME COLLECTED [illegible]

[illegible] [illegible]

RELEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN [illegible]

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
BA DISS			UG/L			01005	A
BA TOT UG/L			UG/L			01007	A
CD DISS	<	0.2000	UG/L	BHL	G	01025	Y
CD TOT UG/L	<	0.2000	UG/L	BHL	G	01027	Y
CR DIS UG/L	<	4.0000	UG/L	BHL	G	[illegible]	[illegible]
CR TOT UG/L	<	4.0000	UG/L	BHL	G	[illegible]	[illegible]
FE TOT			UG/L			01045	A
PB,DIS UG/L	<	4.0000	UG/L	BHL	G	01049	Y
PB,TOTAL	<	4.0000	UG/L	BHL	G	01051	Y
AG,DISS	<		UG/L			[illegible]	[illegible]
AG,TOTAL	<	30.0000	UG/L	WPK	G	[illegible]	[illegible]
SE DISS	<	6.0000	UG/L	BBM	G	[illegible]	[illegible]
SE,T AS UG/L	<	6.0000	UG/L	BBM	G	01147	Y

SAMPLE INQUIRY [illegible] PRE COLLECTION [illegible]

ESTABLISHMENT [illegible] CORPORATION DATE COLLECTED [illegible]

FACILITY [illegible] TIME COLLECTED [illegible]

[illegible] ITEM CODE [illegible]

RECEIVE INFO RIVER MILE IND 0.0

SAMPLE STATUS IN PROCESS SOURCE 00 TYPE 00 ID-CODE

AIR FLOW INITIAL 00 FINAL 00 HOURS RUN - [illegible]

DESCRIPTION		RESULT	UNITS	ANALYST	VC	TEST CODE	METHOD
PHENOLS		5.0000	UG/L	EVC	C	32730	A
ORG HLDS PPB	<	5.0000	UG/L	LCW	C	70353	
HG DISS	<	1.0000	UG/L	BBM	C	71890	X
MERCURY	<	1.0000	UG/L	BBM	C	[illegible]	X
TURB		[illegible]	NTU	GMM	[illegible]	82079	

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86 0-12248 706256-01 8/86

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA CORP	PAD ID# 001882372	MW-6	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKAWANNA	DUNMORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	11 15	

USGS Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	30	22022 42					

Composite Samples:	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG
HOW SHIPPED Purolator DATE 3/4/87
LEGAL SEAL NO. 043350
RECEIVED BY JAB
CONDITION OF SEAL INTACT

Field Analysis
Cl. Tot. mg/l (50060)
Cl. Free mg/l (50064)

COMMENTS

Total Coliforms (Per 100 ml)	(3150__)	
Fecal Coliforms (Per 100 ml)	(3161__)	
Total Fecal Strep (Per 100 ml)	(3167 3)	0 0
Total Plate Count (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

---

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86 0-12248 706256-01 8/86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003468 | DATE RECEIVED 3/6 7 AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA CORPORATION	PAD # 001882372	MW-1	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKA.	DUNMORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	11 15	

USGS Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	30	22022 42					

Composite Samples:	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG
HOW SHIPPED Purolator DATE 3/4/87
LEGAL SEAL NO. 043361
RECEIVED BY JAB
CONDITION OF SEAL INTACT

Field Analysis
Cl. Tot. mg/l (50060)
Cl. Free mg/l (50064)

COMMENTS

Total Coliforms (Per 100 ml)	(3150 1)	0 0
Fecal Coliforms (Per 100 ml)	(3161__)	
Total Fecal Strep (Per 100 ml)	(3167__)	
Total Plate Count (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86 0-12248 706236-01 8/86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003170

DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA CORP.	PAD#001882372	MW-6	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKA.	DUNMORE	SWM.	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11 18	DATE 19 24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	0 3 0 4 8 7	1 1 2 5	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59 60	Source 61-62	Reason 63-64
	3 0	2 2 0 2 2 4 2					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow.	STATION DESCRIPTION
						–

CUSTODY LOG

HOW SHIPPED Pinkerton DATE 3/4/87

LEGAL SEAL NO. 043529

RECEIVED BY [illegible]

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150__)	
Fecal Coliforms ~~(Per 100 ml)~~	(3161 6)	0 – – – – 0
Total Fecal Strep (Per 100 ml)	(3167__)	
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS

ANALYZED BY FMB

DATE 3/10

☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

FMB | 1/10 | ☒ Standard Methods for Valid Analysis

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003483

DATE RECEIVED 3/6 7Am

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA Corporation	PAD ID # 001882372	MW-4

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
Lackawanna	Dunmore	SWM	J. Mellow	

CARD (3)	ID CODE (ALL CARDS) 4-16 (Cnty / Mun / T / Est / Case / Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
1 / 2			0	03 04 97	13 10	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2202246					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG

HOW SHIPPED Purolator DATE 3/4/87

LEGAL SEAL NO. 043514

RECEIVED BY JAB

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150___)	
Fecal Coliforms (Per 100 ml)	(3161___)	
Total Fecal Strep (Per 100 ml)	(3167 3)	<0 — 0 1 0
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS

ANALYZED BY FMB

DATE 3/10

☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86

BACTERIOLOGICAL ANALYSES

☐ REQUEST MPN

LAB NO. 003481

DATE RECEIVED 3/6 7AM

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA CORPORATION	PAD ID# 001882372	MW-4

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKA.	DUNMORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 06 87	13 10	

USGS Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 2 4 6					

Composite Samples:	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Purolator DATE

LEGAL SEAL NO. 043394

RECEIVED BY JAB

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150 5)	0 — — — — 0
Fecal Coliforms (Per 100 ml)	(3161)	
Total Fecal Strep (Per 100 ml)	(3167)	
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS

ANALYZED BY FMB

DATE 3/10

☐ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86

BACTERIOLOGICAL ANALYSES

☐ REQUEST MPN

LAB NO. 003482

DATE RECEIVED 3/6 7AM

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA Corporation	PAD ID # 001882372	MW-4

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
Lackawanna	Dunmore	SWM	J. Mellow	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 06 87	13 10	

USGS Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 2 4 6					

Composite Samples:	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Purolator DATE

LEGAL SEAL NO. 043513

RECEIVED BY JAB

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150)	
Fecal Coliforms (Per 100 ml)	(3161 5)	0 — — — — 0
Total Fecal Strep (Per 100 ml)	(3167)	
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS

ANALYZED BY

DATE

MW-3

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.	RESULT
Lacka.	Dunmore	SWM	J. Mellow		

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty Mun T Est Case Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	12 45	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2202245					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG

HOW SHIPPED Pusolator DATE 3/4/87

LEGAL SEAL NO. 043516

RECEIVED BY JAB

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150__)	
Fecal Coliforms (Per 100 ml)	(3161__)	
Total Fecal Strep (Per 100 ml)	(3167 3)	0 — 07
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 7/86 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 0-12248 706256-01 8/86

BACTERIOLOGICAL ANALYSES

☐ REQUEST MPN

LAB NO. 003478 | DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA CORPORATION	PAD#001882372	MW-3	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKA.	DUNMORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty Mun T Est Case Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	12 45	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2202245					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow.	STATION DESCRIPTION

CUSTODY LOG

HOW SHIPPED Pusolator DATE 3/4/87

LEGAL SEAL NO. 043366

RECEIVED BY JAB

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150 1)	0 — 021
Fecal Coliforms (Per 100 ml)	(3161__)	
Total Fecal Strep (Per 100 ml)	(3167__)	
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 7/86 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 0-12248 706256-01 8/86

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86 706256-01 8/86 0-12248

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 0013479

DATE RECEIVED 3/6 Am

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA Corporation	PAD#001882372	MW-3

COUNTY	MUNICIPALITY	PROGRAM	COLL NAME	TYPE TR.
Lacka.	Dunmore	SWM	J. Mellow	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 HR Min	KIND 29
	Cnty Mun T Est Case Fac		0	03 04 87	12 45	

USGS Q 30-34	BUR AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 2 4 5					

Composite Samples	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow.	STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Pennsylvania DATE

LEGAL SEAL NO. 043367

RECEIVED BY [illegible]

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml)	(3150__)	
Fecal Coliforms (Per 100 ml)	(3161 6)	0 — — — — 0
Total Fecal Strep (Per 100 ml)	(3167__)	
Total Plate Count (Per ml)	(31751)	

COMMENTS

STD ANALYSIS

ANALYZED BY FMB

DATE 3/10

☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

---

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. [illegible]

DATE RECEIVED [illegible]

706256 0-12248 Department of Environmental Resources Bureau of Laboratories Commonwealth of Pennsylvania ERBL 151 7/86

J. Mellow

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	12 10	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 2 4 4					

Composite Samples: P/U 65 | T/S 66 | Alq 67-68 | Cond. 80 | Flow. | STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Purolator DATE
LEGAL SEAL NO. 043381
RECEIVED BY JJB
CONDITION OF SEAL INTACT

Field Analysis: Cl. Tot. mg/l (50060); Cl. Free mg/l (50064)

COMMENTS

Total Coliforms (Per 100 ml)	(3150___)	
Fecal Coliforms (Per 100 ml)	(3161 5)	0 — 0
Total Fecal Strep (Per 100 ml)	(3167___)	
Total Plate Count (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

706256-01 8/86 Department of Environmental Resources Bureau of Laboratories Commonwealth of Pennsylvania ERBL 151 7/86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 1103177 | DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA Corporation	PA DID. # 00188322	MW-2	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
Lacka.	Dunmore	SWM	J. Mellow	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	12 10	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 2 4 4					

Composite Samples: P/U 65 | T/S 66 | Alq 67-68 | Cond. 80 | Flow. | STATION DESCRIPTION

CUSTODY LOG 3/4/81

HOW SHIPPED Purolator DATE
LEGAL SEAL NO. 043525
RECEIVED BY JJB
CONDITION OF SEAL INTACT

Field Analysis: Cl. Tot. mg/l (50060); Cl. Free mg/l (50064)

COMMENTS

Total Coliforms (Per 100 ml)	(3150___)	
Fecal Coliforms (Per 100 ml)	(3161___)	
Total Fecal Strep (Per 100 ml)	(3167 3)	0 — 0
Total Plate Count (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories 7/86 0-12248 706256-01 /86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003475

DATE RECEIVED 3/6 7AM

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA CORPORATION	PAD ID# 001882372	MW-2

		PROGRAM	COLL. NAME	TYPE TR
LACKA.	DOM MORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 Cnty / Mun / T / Est / Case / Fac	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 HR Min	KIND 29
			0	0 3 0 4 8 7	1 2 1 6	

USGS Q 30-34	BUR AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel Pt. 58	Type 59-60	Source 61-62	Reason 63-64
	3 0	0 2 2 0 2 2 4 4					

Composite Samples.	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow.	STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Purolator DATE

LEGAL SEAL NO. 04 3381

RECEIVED BY

CONDITION OF SEAL

Field Analysis

Cl. Tot. mg/l (50060)

Cl. Free mg/l (50064)

Total Coliforms (Per 100 ml) (3150 5) 0

Fecal Coliforms (Per 100 ml) (3161)

Total Fecal Strep (Per 100 ml) (3167)

Total Plate Count (Per ml) (31751) -

COMMENTS

Legal seal no. was 043380 INTACT 943

STD ANALYSIS

ANALYZED BY FMB

DATE 3/10

☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

---

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003476

DATE RECEIVED 3/6 7AM

PREVIOUS RESULT

ESTABLISHMENT	CASE	FACILITY
RCA Corporation	PA D ID. # 001882372	MW-2

Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories

0-12248 706256-01 8/86

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. L 003473

DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA Corporation	PADID #001882322	MW-1	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
Lackawanna	DUNMORE	SWM	J. Mellow	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 Cnty / Mun / T / Est / Case / Fac	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 M D Y	TIME 25-28 HR Min	KIND 29
			0	07 04 87	11 45	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel. Pt. 58	Type 59 60	Source 61-62	Reason 63-64
	3 0 0	2 2 0 2 4 3					

Composite Samples:	P/U 65	T/S 66	Alg 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG 3/4/87

HOW SHIPPED Purolator DATE

LEGAL SEAL NO. 043378

RECEIVED BY JOS

CONDITION OF SEAL INTACT

Field Analysis

Cl. Tot. mg/l (50060)		
Cl. Free mg/l (50064)		

Total Coliforms (Per 100 ml)	(3150)	
Fecal Coliforms (Per 100 ml)	(3161 5)	0
Total Fecal Strep (Per 100 ml)	(3167)	

COMMENTS

ERBL 15 7/86

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 7/86 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003474 | DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA Corporation	PA DID #001882372	MW-1	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
Lackawanna	Dunmore	SWM	J. Mellow	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	11 45	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel.Pt. 58	Type 59 60	Source 61 62	Reason 63-64
	30	220243					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow:	STATION DESCRIPTION

CUSTODY LOG
HOW SHIPPED Purolator DATE 3/4/87
LEGAL SEAL NO. 043527
RECEIVED BY JAB
CONDITION OF SEAL INTACT

Field Analysis
Cl. Tot. mg/l (50060)
Cl. Free mg/l (50064)

COMMENTS

Total Coliforms (Per 100 ml)	(3150___)	
Fecal Coliforms (Per 100 ml)	(3161___)	
Total Fecal Strep (Per 100 ml)	(3167 3)	0
Total Plate Count (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY FMB | DATE 3/10 | ☒ SAMPLE Exceeds Time Limits of Standard Methods for Valid Analysis

ERBL 151 7/86 Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Laboratories

☐ REQUEST MPN

BACTERIOLOGICAL ANALYSES

LAB NO. 003472 | DATE RECEIVED 3/6 7AM

ESTABLISHMENT	CASE	FACILITY	PREVIOUS RESULT
RCA CORPORATION	PAD ID#001882372	MW-1	

COUNTY	MUNICIPALITY	PROGRAM	COLL. NAME	TYPE TR.
LACKA	DUNMORE	SWM	J. MELLOW	

CARD (3) 1/2	ID CODE (ALL CARDS) 4-16 (Cnty, Mun, T, Est, Case, Fac)	LATITUDE 4-10	LONGITUDE 11-18	DATE 19-24 (M D Y)	TIME 25-28 (HR Min)	KIND 29
			0	03 04 87	11 45	

USGS-Q 30-34	BUR/AMIS 35-36	Sample No. 38-43	STREAM NAME 44-57	Rel.Pt. 58	Type 59 60	Source 61 62	Reason 63-64
	30	220243					

Composite Samples:	P/U 65	T/S 66	Alq 67-68	Cond. 80	Flow:	STATION DESCRIPTION

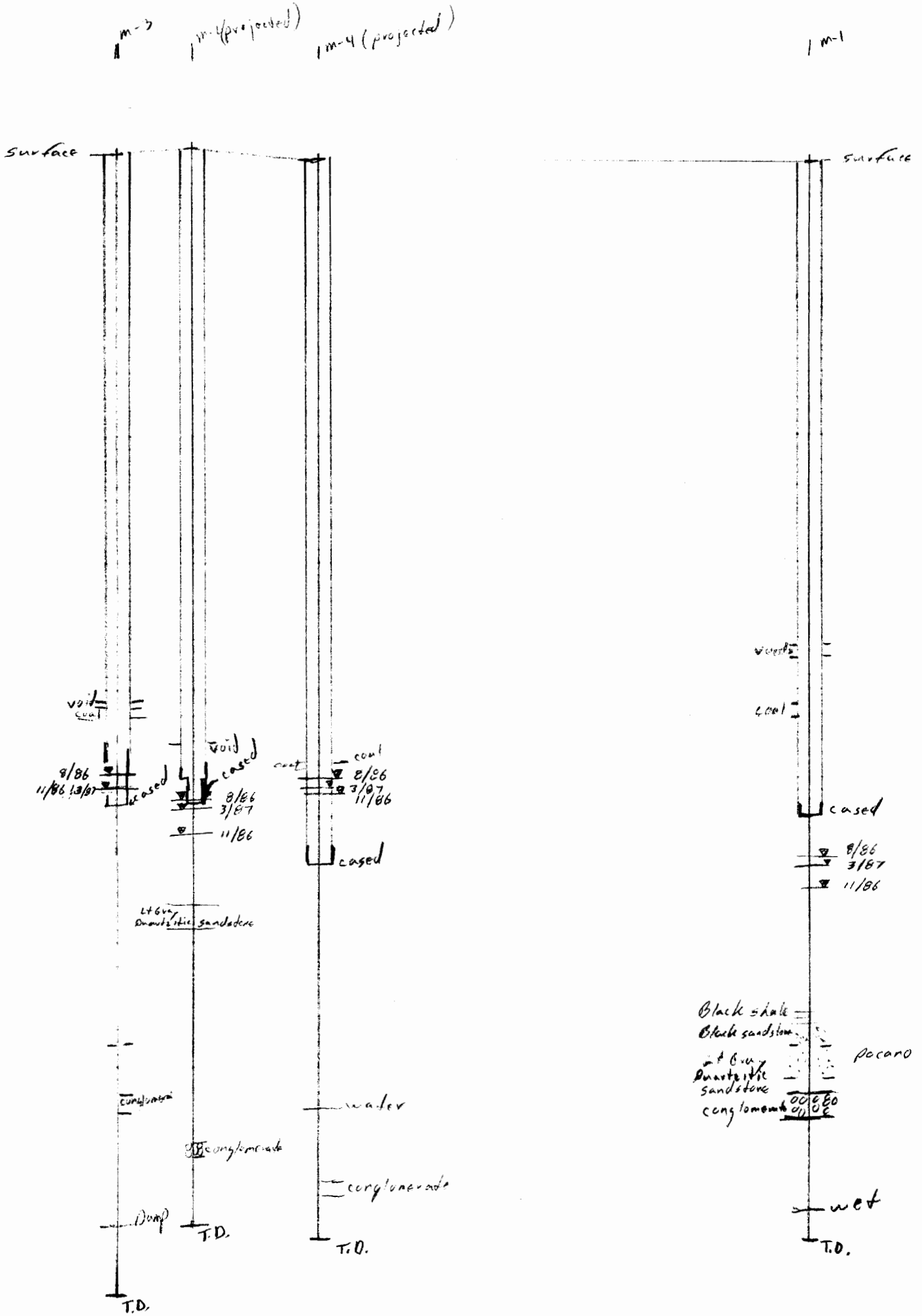
CUSTODY LOG 3/4/87
HOW SHIPPED Purolator DATE ___
LEGAL SEAL NO. 043376
RECEIVED BY JAB
CONDITION OF SEAL INTACT

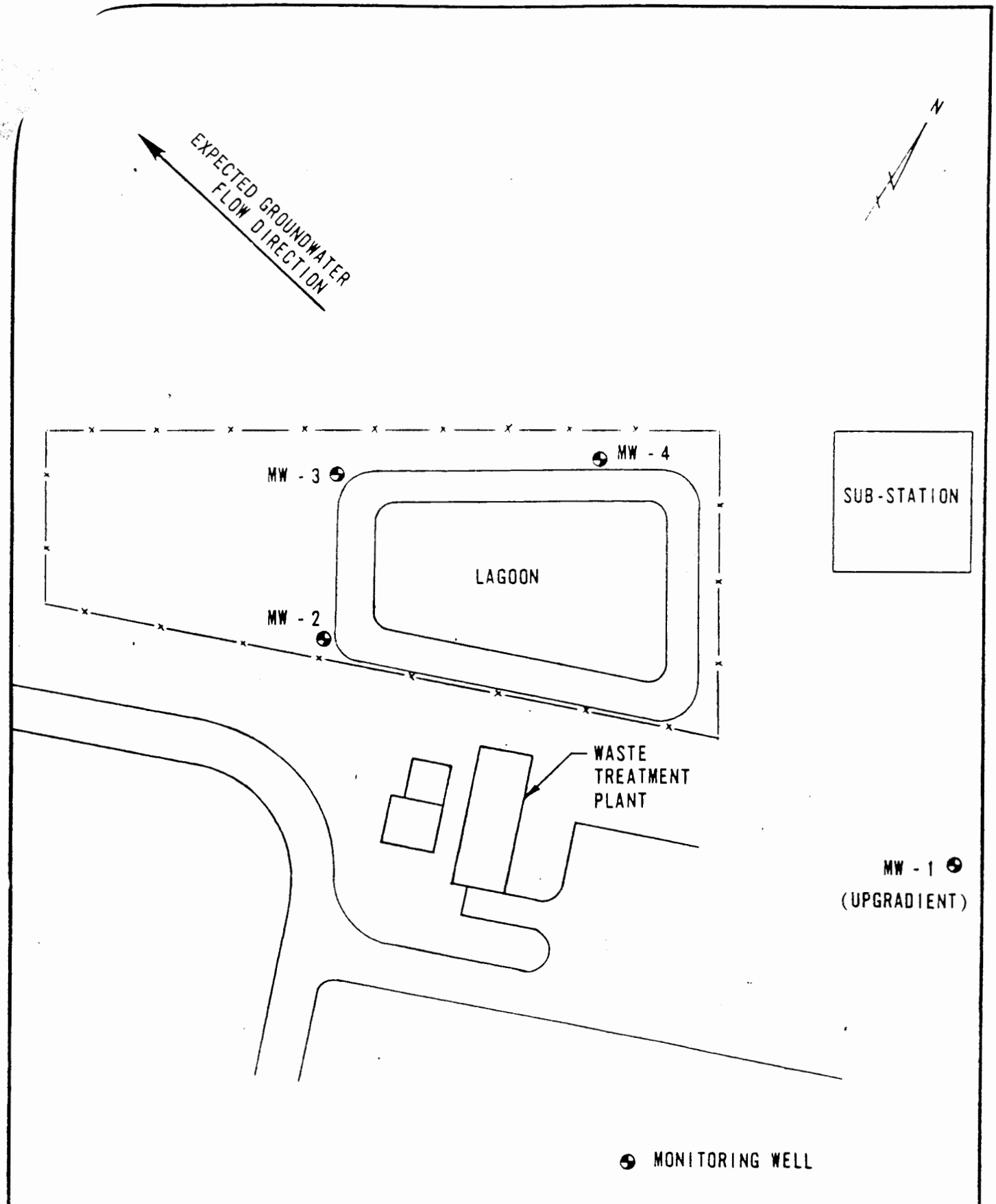
Field Analysis
Cl. Tot. mg/l (50060)
Cl. Free mg/l (50064)

COMMENTS

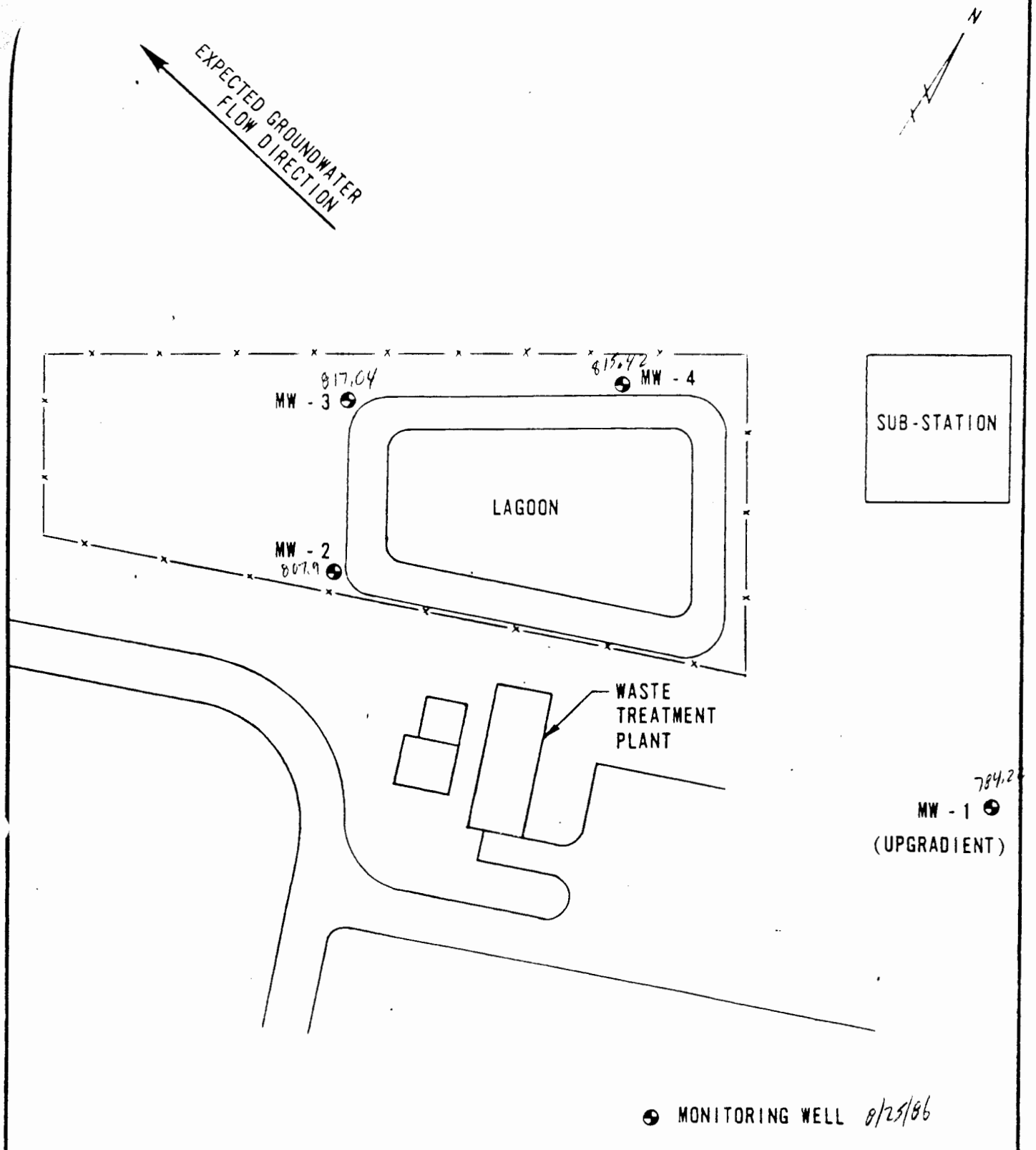
Total Coliforms (Per 100 ml)	(3150 5)	0
~~Fecal Coliforms~~ (Per 100 ml)	(3161___)	
~~Total Fecal Strep~~ (Per 100 ml)	(3167___)	
Total Plate C[illegible] (Per ml)	(31751)	

STD ANALYSIS | ANALYZED BY | DATE 3/

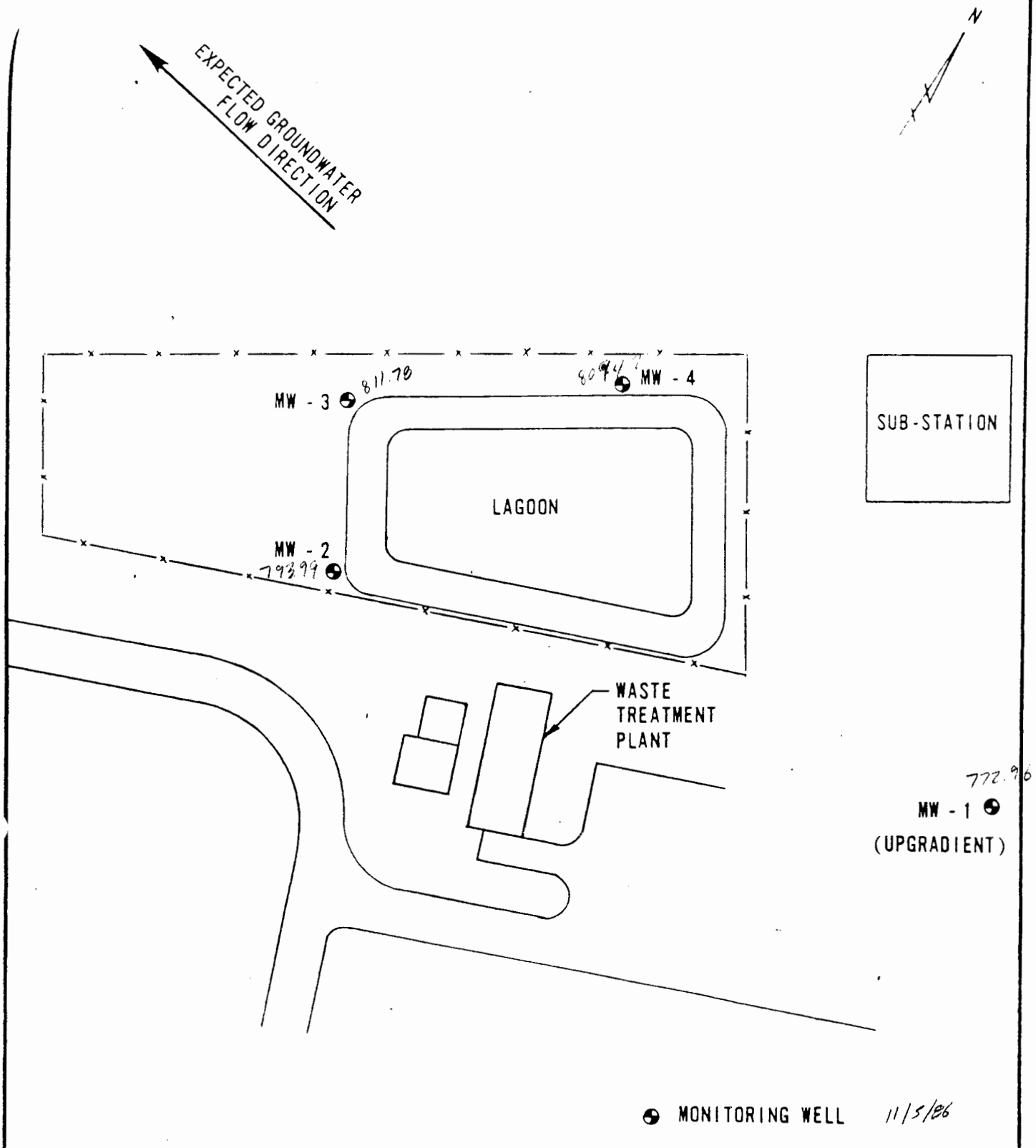

m-3
m-4 (projected)
m-4 (projected)
m-1
surface
surface
void
coal
8/86
11/86
3/87
cased
cased
8/86
3/87
11/86
coal
coal
8/86
3/87
11/86
cased
Lt Gray Quartzitic sandstone
conglomerate
water
conglomerate
conglomerate
Damp
T.D.
T.D.
T.D.
T.D.
coal
coal
cased
8/86
3/87
11/86
Black shale
Black sandstone
Lt Gray Quartzitic sandstone
conglomerate
Pocono
wet
1100
1050
1000
950
900
850
800
750
700
650
600



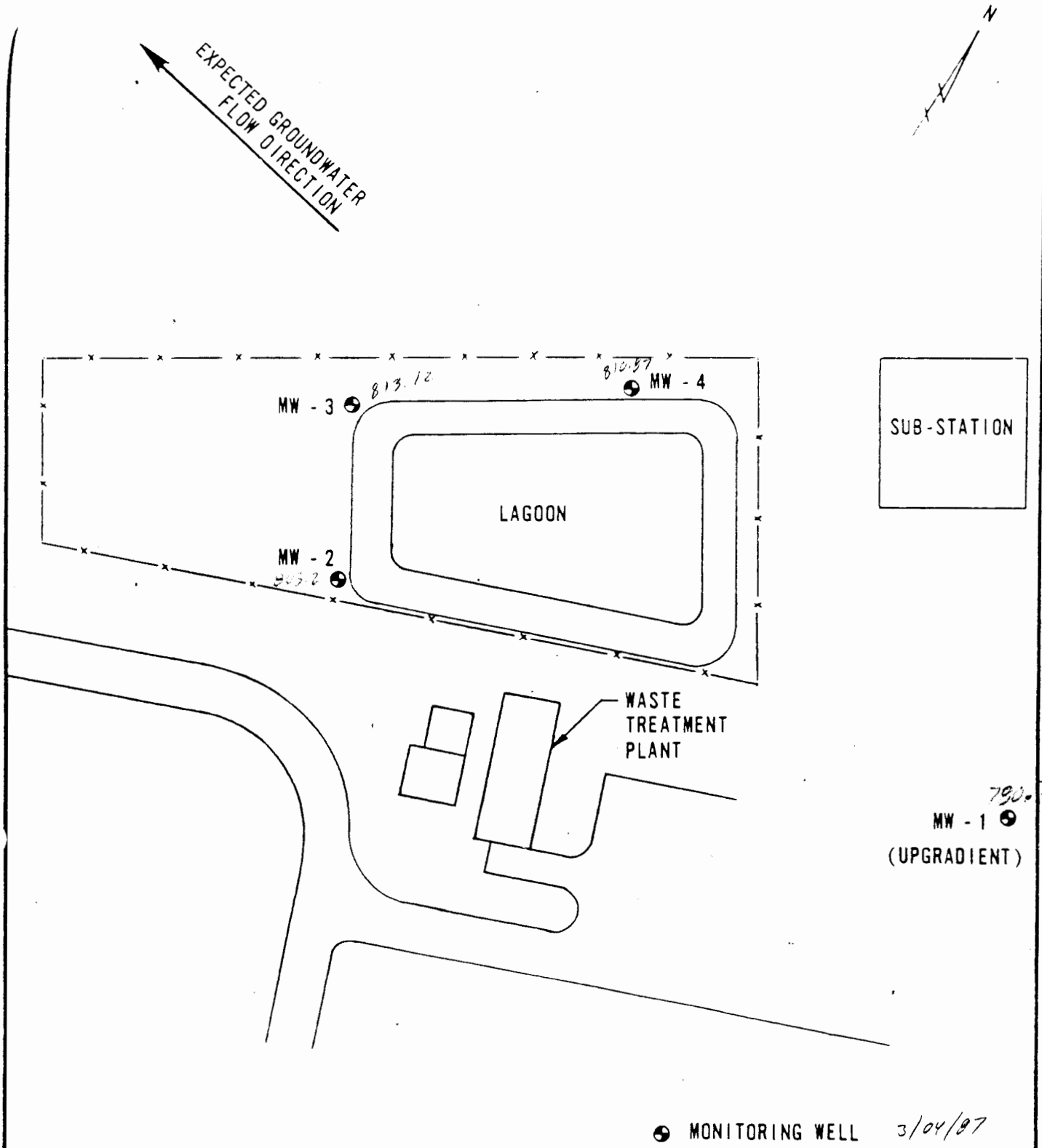
The Chester Engineers			SHEET NO.	RCA CORPORATION SCRANTON PENNSYLVANIA MONITORING WELL LOCATION MAP
DWN.BY: JOT	SCALE: NTS	DATE	DWG. NO.	
CHK'D.BY: DCF	APPR.BY:	SEPT 1986	FIGURE 3	



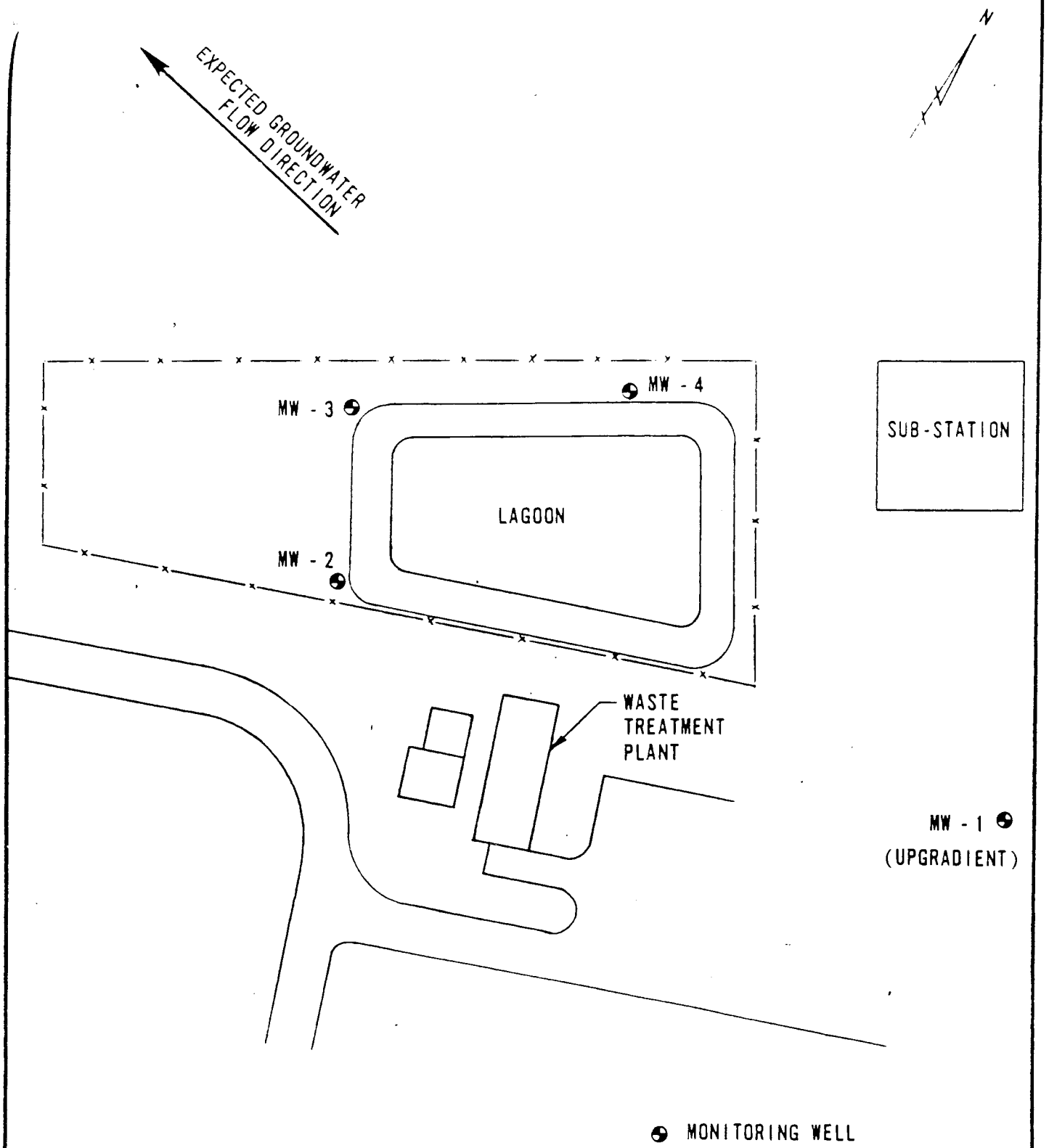
The Chester Engineers			SHEET NO.	RCA CORPORATION SCRANTON PENNSYLVANIA MONITORING WELL LOCATION MAP
DWN.BY: JOT	SCALE: NTS	DATE	DWG. NO.	
CHK'D.BY: DCF	APPR.BY:	SEPT 1986	FIGURE 3	



The Chester Engineers			SHEET NO.	RCA CORPORATION SCRANTON PENNSYLVANIA MONITORING WELL LOCATION MAP
DWN.BY: JOT	SCALE: NTS	DATE	DWG. NO.	
CHK'D.BY: DCF	APPR.BY:	SEPT 1986	FIGURE 3	



The Chester Engineers			SHEET NO.	RCA CORPORATION SCRANTON PENNSYLVANIA MONITORING WELL LOCATION MAP
DWN.BY: JOT	SCALE: NTS	DATE	DWG. NO.	
CHK'D.BY: DCF	APPR.BY:	SEPT 1986	FIGURE 3	



The Chester Engineers			SHEET NO.	RCA CORPORATION SCRANTON PENNSYLVANIA MONITORING WELL LOCATION MAP
DWN.BY: JDT	SCALE: NTS	DATE	DWG. NO.	
CHK'D.BY: DCF	APPR.BY:	SEPT 1986	FIGURE 3	

Engineers
Architects
Planners

Suite 201
Chadds Ford Professional Center
Chadds Ford
Pennsylvania 19317
215 358-1840

KLC. 4/11
JSM ____

SOLID WASTE MGMT.

The**Chester**Engineers

APR 10 11 46 AM '87

DEPT. OF ENVIRONMENTAL RESOURCES
OFFICE OF
ENV. PROTECTION
WILKES-BARRE REGION

April 8, 1987

Mr. John Mellow
Department of Environmental Resources
Commonwealth of Pennsylvania
90 East Union Street
Wilkes-Barre, PA 18701

Dear John:

Enclosed is a copy of the monitoring well analyses for the most recent sampling at RCA in Scranton.

Please note that the coliform count in all the wells has come down from the last sampling period. It is my opinion that the coliform introduced when the well was constructed is being flushed out and doesn't appear to be increasing.

I would appreciate a copy of your results on these wells when this information becomes available.

Very truly yours,

Robert P. Laslo

cc: D. Steele, RCA

THE CHESTER ENGINEERS

RCA CORPORATION

SCRANTON, PA

SUMMARY OF MONITORING WELL ANALYSES

Constituent	Well #1	Well #2	Well #3	Well #4
Sample Date 3-4-87				
pH (Field Measurement)	6.3 6.4 6.5 6.5	7.4	7.4	7.8
pH (Lab Measurement)	7.0 6.9 6.9 7.0	7.6	7.5	7.8
Water Temp °F	56	56	56	56
Water Level Ft. Elev.	780.38	803.20	813.12	810.87
Tot. Dissolved Solids, mg/L	228	176	184	204
Specific Cond. umhos/cm	434 430 430 433	378	347	379
Turbidity, NTU	0.8	1.0	0.7	0.65
Gross Alpha, pCi/L	0.2	0	0	0
Gross Beta, pCi/L	0	5	0	1
Radium 226, pCi/L	0	0.2	0	0
Chloride, mg/L Cl	5.0	3.0	4.0	3.0
Fluoride, mg/L F	0.31	0.29	0.29	2.6
Nitrate, mg/L N	<0.01	0.014	0.022	0.022
Nitrite, mg/L N	0.01	0.015	0.017	<0.01
Phenolics, mg/L PhOH	<0.005	<0.005	<0.005	<0.005
Sulfates, mg/L SO_4	88	70	30	39
Total Coliform, No./100 ml.	5	1,600	1,400	<4
TOC, mg/L C	7.3 8.0 6.9 7.7	6.4	6.9	5.0
Tot. Organic Hal. mg/L Cl	<0.005 (all)	<0.005	<0.005	<0.005
Arsenic, mg/L As	<0.003	<0.003	<0.003	<0.003
Barium, mg/L Ba	<0.01	<0.01	<0.01	<0.01
Cadmium, mg/L Cd	<0.01	<0.01	<0.01	<0.01
Total Chromium, mg/L Cr	<0.01	<0.01	<0.01	<0.01
Total Iron, mg/L Fe	2.3	0.33	0.31	1.3
Lead, mg/L Pb	<0.01	<0.01	<0.01	<0.01
Manganese, mg/L Mn	0.25	0.02	0.01	0.02
Mercury, mg/L Hg	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, mg/L Se	<0.002	<0.002	<0.002	<0.002
Silver, mg/L Ag	<0.01	<0.01	<0.01	<0.01
Sodium, mg/L Na	51	66	64	77
g-BHC, μg/L	<0.01	<0.01	<0.01	<0.01
Endrin, μg/L	<0.01	<0.01	<0.01	<0.01
Toxaphene, μg/L	<0.5	<0.5	<0.5	<0.5
Methoxychlor, μg/L	<0.1	<0.1	<0.1	<0.1
2,4-D μg/L	<1	<1	<1	<1
2,4,5-TP Silvex	<1	<1	<1	<1

D7

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region III - 6th & Walnut Sts.

Philadelphia, Pa. 19106

SUBJECT: RCRA Inspection / RCA Corp PAD001882372

DATE: 10/29/85

FROM: Patrick M. McManus
Environmental Engineer (3HW11) P.M.

TO: File

Thru: Peter W. Schaul, Chief
RCRA Enforcement Section (3HW11)

BASED UPON A REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS REQUIRED AT THIS TIME.

HAZARDOUS WASTE INSPECTION REPORT
Generators - Part A

Date of inspection 9/24/85 Time start 1:30 Time finish 3:50

Name of inspector Reno Ducieschi

Company, installation name RCA Corp

Location Keystone Industrial Park

County Lackawanna Municipality Dunmore

Identification number PAD018Y2372

Name of responsible official Mr. Harlen May

Title Plant Manager

Mailing address Same as above

Area code and phone no. 717-346-7771

Name of person interviewed Mr. John Conte Jr.

Title Supv, Bld & Ground

Mailing address (if different from above)

Area code and phone no.

1. Current waste handling method:

   a. ☑ On-site ☑ treatment, ☑ storage, ☐ disposal

   b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

   c. ☑ Off-site ☐ treatment, ☐ storage, ☑ disposal

   d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

2. Amount of hazardous waste produced:

   a. 8,550,000 ~~kg.~~ gal/mo. based on 270 gpm (Treatment) 27,300 kg/month after Treatment

   b. _____ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number:

   F001, F002, F003, D002, D007, D008

4. Are hazardous wastes transported off-site by the generator? ☐ Yes ☑ No

RECEIVED
OCT 16 1985
DIV. OF HAZARDOUS WASTE

Central Office

HAZARDOUS WASTE INSPECTION REPORT
Generators - Part

RCA
9/24/15

1- NON-COMPLIANCE, 2- COMPLIANCE, 3- NOT APPLICABLE, 4- NOT DETERMINED

COMPLIANCE STATUS 1	2	3	4	REQUIREMENT	CHAPTER CITATION 75.262
	X			Identification number	(c)(1)
	X			Hazardous waste shipments offered only to licensed transporters	(c)(4)
		X		Authorization received from TSD facility for wastes shipped off-site	(d)
		X		PA manifest used for intrastate shipments	(e)(1)(i)
	X			Disposer state manifest or EPA format manifest used for out-of-state shipments	(e)(1)(iii)
	X			Manifests filled out properly and completely	(e)(1)
	X			Manifests routed properly and within time limits (24 hours)	(e)(2)
	X			Proper U.S. DOT shipping containers or packages	(f)(1)(i)
	X			Shipping containers marked and labeled according to U.S. DOT	(f)(1)(ii)
	X			Containers of 110 gal. or less marked with required PA label	(f)(1)(iii)
			X	Placards offered to transporter	(f)(2)
	X			Wastes accumulated on-site for less than 90 days	(g)(1)
	X			Wastes stored in proper containers and properly marked and labeled	(g)(1)(ii)
	X			Containers managed in accordance with 75.265(g)	(g)(1)(iii)
	X			Containers clearly marked with accumulation date and visible for inspection	(g)(1)(iv)
				Records retained at designated location for 20 years	(h)
	X			Quarterly reports submitted to the Department	(i)
		X		Exception reporting procedures followed	(j)
		X		Hazardous waste disposal plan, if required	(l)
		X		Spill reporting procedures followed	(m)(1)
	X			Preparedness, Prevention and Contingency Plan approved and implemented	(m)(5)
		X		Special requirements followed for international shipments	(o)

HAZARDOUS WASTE INSPECTION REPORT
Part C - Comments

te of Inspection 9/24/85 Identification Number PAD 0188 2372

mpany, Installation Name RCA Corp

unty Lackawanna Municipality Dunmore

In the "Requirement" Section of this inspection report, each listed inspection item may provide only a brief version of its corresponding obligation as described in the body of the regulations. Please use the Chapter citations listed on this inspection report as a reference to obtain a detailed description of compliance requirements.

Several drums of waste material located in drum storage area. No violations noted during this inspection

s inspection report is official notification that a representative of the Department of ironmental Resources, Bureau of Solid Waste Management, inspected the above installation. findings of this inspection are shown in this report. Any violations which were uncovered ing the inspection are indicated. Violations may also be discovered upon examination of results of laboratory analyses and review of Department records. Notification will be thcoming, confirming any violations indicated herein and listing any additional violations.

son Interviewed (signature) John [signature] Date 9/24/85

ector (signature) [signature] Date 9/24/85