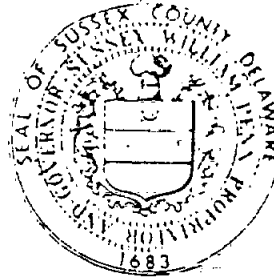


PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



100805
SUSSEX County

P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 330

MEMORANDUM:

TO: A. Dean Betts, Esquire
Sussex County Attorney

FROM: Phillip J. Ellingsworth *Phil*

RE: SUSSEX COUNTY LANDFILL NO. 5

DATE: March 27, 1979

Dean, attached please find one (1) original and two (2) copies of the Contract for the above referenced Landfill.

A second Certificate of Insurance has been included which states that an additional \$500,000.00 coverage is being carried by Hudson Transfer & Construction Company so that they do comply with the \$1,000,000.00 public liability requirement as stated in Section 6.06.02 of the Contract.

Please review these Contracts again and return them to me. Thank you.

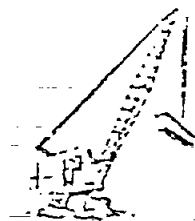
cat

Attachments: 3

AR200406

HUDSON TRANSFER & CONSTRUCTION CO., INC.

General Contractor



Located on Rt. 9 • Harbeson
P.O. Box 187 • Milton, Delaware 19968

AREA CODE 302

684-4221
836-7538
684-8095

June 5, 1979

Mr. Joseph Conoway
County Administrator
Sussex County Council
Georgetown, Delaware 19947

Re: Landfill # 5

Dear Joe:

I wish to submit the following cost estimate and procedure for closing Landfill # 5 as per our meeting in council chambers with Mr. Betts, Mr. Benson, John Argo, and Douglas Hudson.

We will finish out Landfill # 5 on an equipment rental basis with a 20% add on for insurance, bond, clerical work, and supervision. This close out work will cost approximately \$100,000.00.

If this meets your approval, a prompt confirmation will be appreciated.

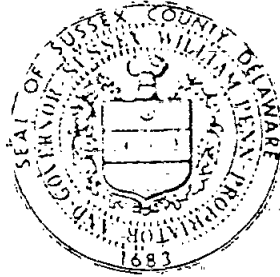
Sincerely,

A handwritten signature in cursive script, appearing to read "Wayne D. Hudson".

Wayne D. Hudson, President
Hudson Transfer & Construction
Co., Inc.

AR200407

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

MEMORANDUM:

TO: Mr. Joseph T. Conaway
County Administrator

Mr. Phillip J. Ellingsworth
Assistant County Administrator

FROM: Mr. John P. Argo *J.P.A.*
Landfill Supervisor

RE: LANDFILL #5

DATE: June 14, 1979

I believe the contract documents that Hudson Transfer and Const. Co., Inc. used for a guide line to place a bid on the job should be the one and only gospel. By this I mean the documents they used to do their bidding from should be the only guidance we use in settling this matter no matter what may or may not have been said at the bidders meeting, or the meeting that was held in the Council Chambers with Mr. Betts, Mr. Benson, Wayne Hudson, Douglas Hudson and myself. These documents clearly spell out the procedure of what steps would be taken should there be a closure of the Landfill before the 3 year contract ended. On page 5-21 of these documents it states "The Council reserves the right to terminate this contract by giving the Contractor ninety (90) days written notice should all of the usable land suitable for landfill operations be completely filled prior to March 31, 1982."

hw

AR200408

Q 8

July 24, 1979

M 267 79
Cont.

Vote by Roll Call: Mr. Cannon, Yea; Mr. Cole, Yea;
Mr. Hill, Yea; Mr. Workman, Yea;
Mr. Benson, Yea

M 268 79
Fenwick
Island
Sanitary
Sewer
District

A Motion was made by Mr. Cole, seconded by Mr. Hill, that Change Order No. 4 for Contract No. C-10-108-2 of EPA Grant No. C-100080-02 with Teal Construction, Inc. (Fenwick Island Sanitary Sewer District) be approved in the amount of \$4,800.60, thereby increasing the contract price from \$1,866,748.23 to \$1,871,548.83 and the County Attorney be authorized to seek reimbursement of a part of this contract increase, \$1,873.81, from the Consulting Engineer, B. J. Campagna Associates, Inc., who designed the project since this part of the increase may be a result of an omission on its part. Motion Adopted; 5 Yea.

Vote by Roll Call: Mr. Cannon, Yea; Mr. Cole, Yea;
Mr. Hill, Yea; Mr. Workman, Yea;
Mr. Benson, Yea

M 269 79
Investment

A Motion was made by Mr. Hill, seconded by Mr. Workman, that \$105,000.00 from the Bond Issue - 1975 account be invested for a period of approximately thirty days at the best possible rate of interest. Motion Adopted; 5 Yea.

Vote by Roll Call: Mr. Cannon, Yea; Mr. Cole, Yea;
Mr. Hill, Yea; Mr. Workman, Yea;
Mr. Benson, Yea

Bids on
Operation &
Maintenance
of Collec-
tion Station
at Landfill
No. 5

The following bids were received for the Operation and Maintenance of Collection Station at Landfill Site 5 from August 13, 1979 to August 12, 1982:

Eastern Disposal, Inc., Salisbury, Maryland: On volumes of household trash to be transferred from Transfer Station No. 5 near Laurel, Delaware, to Landfill No. 1, near Bridgeville, Delaware, trash from public users and vehicles with capacities of 4.7 cubic yards or less - \$33,265.00 per year; On volumes from public users and vehicles with capacities of 4.7 cubic yards or less, plus half of the volumes from the Towns of Delmar and Laurel, Delaware, to be transferred to the Bridgeville, Delaware Landfill No. 1 - \$47,142.00 per year; On the total volume of household trash from the entire old Landfill No. 5 area which is to be transferred to the Bridgeville, Delaware Landfill No. 1 -- \$184,201.00 per year.

July 24, 1979

Bids on Hudson Transfer & Construction Co., Inc., Milton, Delaware:
Operation & Maintenance On volumes of household trash to be transferred from Transfer
of Collec- Station No. 5, near Laurel, Delaware, to Landfill No. 1, near
tion Station Bridgeville, Delaware, trash from public users and vehicles
at Landfill with capacities of 4.7 cubic yards or less - \$89,988.00 per
No. 5 year; On volumes from public users and vehicles with capacities
Cont. of 4.7 cubic yards or less, plus half of the volumes from the
Towns of Delmar and Laurel, Delaware, to be transferred to
the Bridgeville, Delaware Landfill No. 1 - \$119,988.00 per
year; On the total volume of household trash from the entire
old Landfill No. 5 area which is to be transferred to the
Bridgeville, Delaware Landfill No. 1 - \$189,600.00 per year.

The above bids will be reviewed and a recommendation made to
the Council at a later date.

M 270 79
C/U #498

A Motion was made by Mr. Cole, seconded by Mr. Workman, to
concur with the recommendation of the Planning and Zoning
Commission and approve subject to site plan review C/U #498 -
An application of Marguerite and David R. Briggs to consider
the Conditional Use of land in an AR-1 Agricultural Residential
District in Indian River Hundred for a Mobile Home Park
located on the west side of Route 310A, 0.75 mile south of
Route 24, and to be located on a parcel containing 5.5 acres
more or less. Motion Adopted; 5 Yea.

Vote by Roll Call: Mr. Cannon, Yea; Mr. Cole, Yea;
Mr. Hill, Yea; Mr. Workman, Yea;
Mr. Benson, Yea

Town of
Milton,
Inc.

The Council agreed that the Town of Milton, Inc. can change
the use of their Revenue Sharing grant from sidewalks, paving
and a trash truck to the purchase of a new sanitation truck.

du Pont
Corporate
News

Mr. Conaway, County Administrator, submitted to the Council
copies of "du Pont Corporate News" dated July 13, 1979 re-
garding the appointment of William T. Wood, Jr. to the posi-
tion of Corporate Coordinator for Economic Development in
Delaware.

Releases
from the
President

Mr. Conaway, County Administrator, submitted to the Council
copies of "Remarks of the President in his Address to the
Nation" dated July 15, 1979 and "Fact Sheet on the President's
Import Reduction Program" dated July 16, 1979.

Mayor and Council

14 E. STATE STREET
DELMAR, DELAWARE 19940

PHONE NO. 391-1111

June 25, 1979

Mr. Howard Workman
County Councilman
Route 1
Delmar, DE 19940

Dear Mr. Workman,

The Town of Delmar operates its own garbage collection service and presently carries Delmar, Delaware's trash only to the Laurel Landfill. We understand that after August 13, 1979, the landfill will be closed there necessitating our truck to travel 21 miles to landfill #1 in Bridgeville. Presently, we travel 10 miles and the additional distance will place an economic burden on all town residents plus reduce the life of our one packer.

We would appreciate your consideration of the following facts prior to deciding whether or not to grant Delmar and Laurel permission to dump in the Laurel transfer station.

1. We collect trash from 323 houses and businesses in Delmar, DE.
2. It takes approximately 5.4 hours to collect the trash.
3. Two trips to the dump are required on the average.
4. Presently, we are traveling 10 miles each way to the dump and spending 68 minutes in transporting and unloading.
5. We average 2.5 mpg on the packer, which includes pick-up time.
6. In order to provide once a week trash pick-up as we presently do, we foresee that it will take 11 hours to accomplish what now takes 7.

We foresee that it will cost us approximately \$5,000 additionally if we are forced to haul the Town trash to Bridgeville. This amount includes additional wear and tear on the truck, additional salaries and added fuel cost.

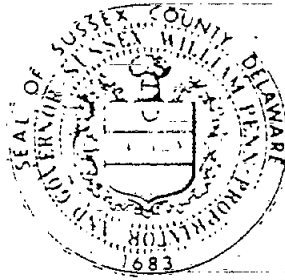
Your consideration of these facts will be greatly appreciated. If you wish any documentation or additional information, please call.

Very truly yours,

William C. Brittingham
Mayor

AR200411

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302 856-7701
EXT 335

July 30, 1979

Mr. Donald T. Penuel
Georgetown-Laurel Highway
Georgetown, Delaware 19947

Dear Mr. Penuel:

We would like for you to letter a wood board, not plywood please, 6 inches wide, 60 inches long, and $\frac{1}{2}$ inch thick with letters $2\frac{1}{2}$ inches wide and $3\frac{1}{2}$ inches tall to read: Household Garbage Only. This lettering shall be done in black letters on a white back ground. Completion by August 13, 1979 would be appreciated.

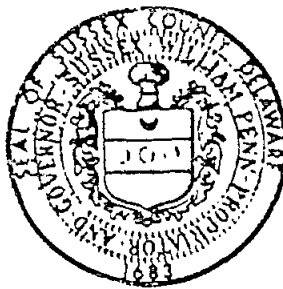
Sincerely,

John P. Argo
Landfill Supervisor

lab

AR200412

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

8,11

MEMORANDUM:

TO: Mr. Joseph T. Conaway
County Administrator

FROM: Mr. John P. Argo *J.P.A.*
Landfill Supervisor

RE: HUDSON TRANSFER & CONST. CO., INC.
FINAL PAYMENT FOR LANDFILL #5,
LAUREL, DELAWARE

DATE: February 1, 1980

To my estimation Hudson Transfer is maybe entitled to the charges on the last four pages of the twelve pages, with the exception of item 9 on page 11.

Last four pages of twelve except item 9 on pg. 11	\$11,270.11
11 days work in month of August at \$440.00 per day	4,840.00
Total due Hudson Transfer & Const. Co.	<u>\$16,110.11</u>
Was paid out to Hudson for months of April, May, June, July -	\$31,500.00

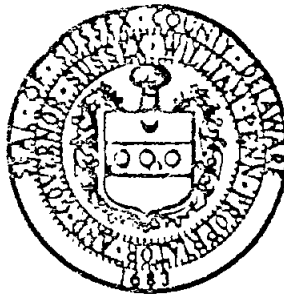
This is my recommendation for a final and close out payment of the work at Landfill site #5, Laurel, Delaware.

Pages 1-8 to my opinion was work completed on the old or previous contract LF5-76 and should not be considered for payment.

hw

AR200413

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE 1994
302-456-7701

8,11

April 7, 1980

Mr. Douglas C. Hudson
Vice President
Hudson Transfer and Construction
Company, Inc.
P.O. Box 187
Milton, DE 19968

Dear Doug:

After review of the close out bill dated January 23, 1980 for Landfill No. 5, Mr. Argo and myself are prepared to agree that the total close out cost to Hudson Transfer is \$62,402.36, of which the County has already paid Hudson Transfer \$31,500.00. At this point, the County is prepared to issue a check for \$30,902.36 to complete the contract for this landfill.

After reviewing the bill, we feel the following charges are eligible costs to the County:

Crawler Loader	\$47,520.00
Supervisor	2,041.66
Insurance Coverage	1,288.10
Performance Bond	512.60
Excavator	11,040.00
Total	\$62,402.35
Credit	- 31,500.00
Balance Due	\$30,902.35

If this figure is acceptable, please contact Mr. Argo, who will authorize payment of the balance due.

You have submitted to the County a total bill of \$58,674.79 for close out of this landfill. Upon review of the various items that went into the makeup of this bill, we are not satisfied that these are eligible costs and, therefore, are not prepared to recommend payment to the level you have proposed.

Yours truly,

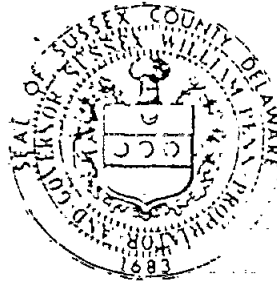
Joseph T. Conaway
County Administrator

✓ John P. Argo

JTC/nc
cc: A. Dean Betts, Esquire
Sussex County Councilmen

AR200414

OFFICE OF DIRECTOR
ECONOMIC DEVELOPMENT
AND
PUBLIC WORKS



7
P.O. BOX 589
GEORGETOWN, DELAWARE 19920
956 2701 EXT 325

MEMORANDUM

TO: Mr. Joseph T. Conaway
County Administrator

FROM: Robert Wm. Martin *RS*
Director

RE: LAUREL LANDFILL

DATE: March 10, 1983

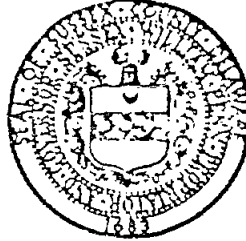
Please be advised that I called Mr. Lee Littleton on Wednesday afternoon asking him if he could attend a meeting on the planned subdivision adjacent to the Laurel Landfill. During our discussion he advised me that he was aware of the potential problem and he is advising all buyers of land in the area. Mr. Littleton received his information from the Planning and Zoning Office when he took out a permit. Mr. Littleton is cognizant of the problem and feels there is no need for a meeting.

cc: Laurel Landfill file

b1

AR200415

ROONEY L. WYATT
Sussex County Engineer



Sussex County

ENGINEERING DEPARTMENT
8 NORTH RACE STREET
P. O. BOX 589
GEORGETOWN, DELAWARE 19947
302-856-7701

MEMORANDUM

TO: Mr. Harold Carmean
Director of Assessments

FROM: Michael Izzo *MI*
Civil Engineer

REF: SUSSEX COUNTY TAX MAP
4-32-7-30.06

DATE: April 18, 1985

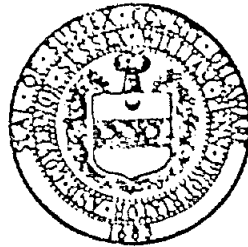
While working in the vicinity of the Laurel Landfill site, I happened upon some information that Mr. Conaway felt should be brought to your attention. Under the above referenced parcel, tax records show Mr. King Gullette having 5.18 acres with no improvement. Since we frequently take water samples there, it is apparent to me that a structure exists.

If you have any questions, please call. Thank you.

MI:jed

AR200416

RODNEY L. WYATT
Sussex County Engineer



Sussex County

ENGINEERING DEPARTMENT

8 NORTH RACE STREET

P O BOX 589

GEORGETOWN DELAWARE 19947

302-856-7701

MEMORANDUM

TO: MR. DAVID BAKER
Director of Accounting

FROM: Michael Izzo *MI*
Civil Engineer

REF: FUNDS FOR WELL PERMIT APPLICATION

DATE: January 3, 1986

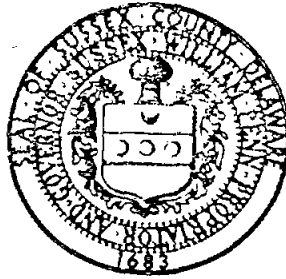
As you may or may not know, Sussex County has entered into an agreement with the Delaware Geological Survey to drill thirteen (13) new test wells to monitor the groundwater quality at the Laurel, Omar, Stockley and Anderson Crossroads Landfill sites. Shortly, I will send an extended breakdown of the estimated costs to be incurred. However, at this time a \$50.00 fee is required to be sent to the DNREC for the permit applications. The County Engineer has deemed these funds to be taken from the Landfill Improvements Bond Money. Please know that this was an unexpected cost and since drilling is scheduled to begin on January 9th, it is imperative these applications be forwarded as soon as possible.

Thank you very much.

MI:guh

AR200417

FREDERICK MERTES
COUNTY ADMINISTRATOR



Sussex County

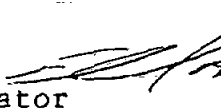
COURTHOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE 19947
302 855 7741

RECEIVED
SUSSEX COUNTY
DEPARTMENT OF
RW
RME
10/2/87

9/22/87

MEMORANDUM:

TO: Rodney L. Wyatt
County Engineer

FROM: Frederick Mertes 
County Administrator

RE: FORMER COUNTY LANDFILL SITES

DATE: September 22, 1987

File
Note to file
and letter to
10/2/87 TO
Phil Cree
JK

Rodney, please put in motion the necessary requests to the State Department of Natural Resources and Environmental Control for the County to obtain the water franchise rights in the vicinity of all six former County landfills, with the exception of Angola, where Tidewater Utilities already has the franchise rights. Please follow-up on this and get back to me in the next two weeks.

FM/nc

AR200418

APPENDIX H

CORRESPONDENCE BETWEEN THE COUNTY
AND REGULATORY AGENCIES AND THIRD PARTIES
REGARDING ACTIONS TAKEN AT THE LANDFILL

AR200419

ASSOCIATED DELAWARE ENGINEERS, INC.
CONSULTING ENGINEERS

1315 N. UNION STREET • WILMINGTON, DELAWARE 19806

Area (302) 655-3626

PRINCIPALS.

H. GILROY DAMON, P.E.
LOUIS H. DOANE, P.E.
WERNER C. LEHM, P.E.
FRANK T. LYNCH, P.E.
ALICK MURRAY, P.E.
JOSEPH E. PLOTTS, JR., P.E.



REGISTERED ENGINEERS

DELAWARE
MARYLAND
NEW JERSEY
NORTH CAROLINA
PENNSYLVANIA

27 August 1970

Sussex County Levy Court
Courthouse
Georgetown, Delaware 19947

Attention Mr. William C. Henry, County Engineer

Re: Sussex County Landfill #5,
Lincoln, Delaware

Gentlemen:

During the inspection trip on Wednesday, 26 August 1970, the operating techniques of the Contractor were noted to be in conflict with the specifications in that the bulky trash area had been permitted to accumulate too long and that the daily refuse was not being properly compacted.

The bulky trash area has been permitted by the County and the Bureau of Environmental Health as an expedient procedure. This type of refuse must be compacted and covered. Only the interval of covering has been arbitrarily set at a period greater than daily, but at the discretion of the County. Other operators have ultimately decided to place all types of refuse in one pit and to compact and cover daily. This is per Section 38.4, part (b)3 of the State Solid Waste Code. Thus, it is proper to order the covering of the tree limbs, logs, and bulky trash at the referenced site.

Compaction of all solid wastes received is adequately described in the specifications and in Section 38.4 of the State Code. Every effort must be taken by the Contractor to obtain maximum consolidation prior to covering.

As a result of the inspection, it would be appropriate for you to issue a letter to the Contractor, at the referenced site, informing him of the infractions noted above.

Very truly yours,

JEP:ar

cc: Sussex County Levy Court ✓
Mr. John L. Briggs, President
Mr. Frederic L. Stiegler, Jr.
Bureau of Environmental Health

Joseph E. Plotts, Jr., P.E.

AR200420

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 319
GEORGETOWN, DELAWARE 197
302-686-7701

11

October 1, 1975

Mr. Douglas C. Hudson
Hudson Transfer and Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

In re: Sussex County Landfill No. 5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with article 7.b. of an Agreement for the Operation and Maintenance of Sussex County Landfill No. 5 between the Sussex County Council and Hudson Transfer & Construction Co., Inc., the Sussex County Engineer's Office visited the specified site on the evening of 30 September 1975. The visit occurred after all operations and maintenance activities had ceased for the day and the landfill had been closed to the public.

It was observed that a layer of suitable cover material had not been placed over the refuse deposit in Pit A. Such a condition is not in compliance with Article 1.c. of your Agreement with the Sussex County Council. A photograph of the conditions that were observed is enclosed.

Please see that corrective measures are taken for the above so that during the next visit, all operations and maintenance work will be in compliance with your Agreement with the Sussex County Council.

It would be to your best advantage to operate a "B" pit at this Site to save on dirt much needed at this landfill.

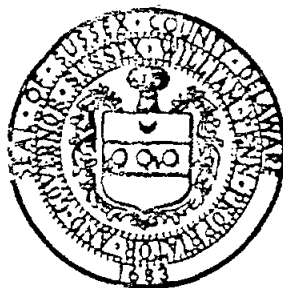
Sincerely,
Sussex County Landfill Office

John P. Argo
John P. Argo,
Sussex County Landfill Supervisor

JPA:rsh
cc: Sussex County Council
Mr. Joseph T. Conaway
Mr. William C. Henry ✓

AR200421

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 389
GEORGETOWN, DELAWARE 19347
302-858-7701

20 October 1975

Mr. Douglas C. Hudson
Hudson Transfer and Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

In re: Sussex County Landfill No. 5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with article 7.b. of an agreement for the operation and maintenance of Sussex County Landfill No. 5 between the Sussex County Council and Hudson Transfer and Construction Co., Inc., the Sussex County Engineer's Office visited the specified site on the evening of 16 October 1975. The visit occurred after all operations and maintenance activities had ceased for the day and the Landfill had been closed to the public.

It was observed that a layer of suitable cover material had not been placed over the refuse deposited in Pit "A". Such a condition is not in compliance with Article 1.c. of your Agreement with the Sussex County Council. A photograph of the conditions that were observed is enclosed

not done!

Please see that corrective measures are taken for the above matter.

Sincerely,

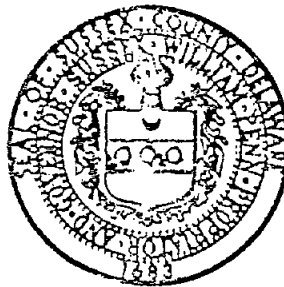
John P. Argo
John P. Argo,

Sussex County Landfill Supervisor

cc: Sussex County Council
Mr. J.T. Conaway
Mr. W. C. Henry ✓

AR200422

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 289
GEORGETOWN, DELAWARE 19347
302-886-7701

30 October 1975

Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

Attn: Messrs. Douglas & Wayne Hudson

In re: Past verbal statements regarding Landfills, in our conversation of 29 October 1975.

Sirs:

Disregard all verbal statements made by William C. Henry, Erwin C. Talley, and myself, if they were ever made, regarding skimping on dirt for daily cover of "A" Material Pits.

Your guideline for all work that is to be done at the Landfills is the signed Contracts you have with the Sussex County Council.

Operation procedure for this Agreement for Type "A" Material is governed by the operation standards set forth in the State Sanitary Code, part 38, a regulation governing solid waste disposal as adopted on December 19, 1968 by the Delaware State Board of Health.

This regulation in Exhibit "A" of your Contract is under Section 38.4, Sanitary Landfill standards (b.) Operational Requirements, item # 3 Frequency and depth of cover. It states that a layer of suitable cover material shall be placed over all refuse as soon as possible after deposit and, at least, by the end of each working day. This layer shall be of such depth that when compacted it produces a cover layer of a least six (6) inches in depth. Final cover of suitable material, compacted to a minimum thickness of two feet shall be placed over all completed areas or cells by the end of the working day on which the area or cell was completed.

May I quote also from the Contract, under Contractor's Responsibilities:
Cover Material: "It shall be the Contractor's responsibility to provide all cover Material. The County shall have the right to refuse the use of cover material if the characteristics of the material are such that it is not suitable for this purpose."

Additionally under County Responsibilities: b. Site Inspection: "The County, through its authorized representatives, shall make random inspection of the sanitary Landfill to verify compliance with this Agreement. The representative may request revisions in the Landfill operation in order to maintain an orderly, proper, or safe operation of the Landfill in accordance with this agreement."

AR200423

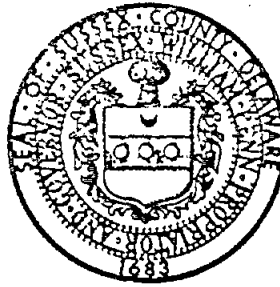
Your continuing cooperation will be sincerely appreciated.

John P. Argo,
Landfill Supervisor
Sussex County

cc: Sussex County Council
Mr. Joseph T. Conaway, County Administrator
Mr. William C. Henry, P.E., County Engineer
Mr. Fred M. McKee, Civil Engineer

AR200424

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



SUSSEX COUNTY
COURTHOUSE
P. O. BOX 529
GEORGETOWN, DELAWARE 19547
302-856-7701

11
21 November 1975

Mr. Douglas C. Hudson
Hudson Transfer and Const. Co., Inc.
P.O. Box 187
Milton, Delaware 19968

In Re: Sussex County Landfill #5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with article 7.b. of an agreement for the operation and maintenance of Sussex County Landfill #5 between the Sussex County Council and HUDSON Transfer and Construction Co., Inc., the Sussex County Engineer's Office visited the specified site on the evening of 19 November 1975. The visit occurred after all operations and maintenance activities had ceased for the day and the Landfill had been closed to the public.

It was observed that a layer of suitable cover material had been placed over all the refuse deposited in Pit "A". Such a condition is not in compliance with article 1.c. of your agreement with the Sussex County Council.

A photograph of the conditions that were observed is enclosed. Please see that corrective measures are taken for the above matter.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor
Sussex County

cc: Sussex County Council
Mr. J. T. Conaway
Mr. W. C. Henry ✓

AR200425

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 569
GEORGETOWN, DELAWARE 1994
302-856-7701

January 16, 1976

Mr. Douglas C. Hudson
Hudson Transfer and Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

In re: Sussex County Landfill # 5, Laurel, Delaware

Dear Mr. Hudson:

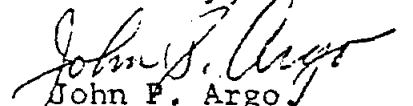
In accordance with article 7.b of an agreement for the operation and maintenance of Sussex County Landfill # 5, between the Sussex County Council and Hudson Transfer and Construction Co., Inc., representatives from the Sussex County Engineer's Office visited the specified site on the evening of 13 January 1976. The visit occurred after all operations and maintenance activities had ceased for the day and the Landfill had been closed to the public.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited in Pit "A".

A photograph of the conditions that were observed is enclosed.

Please see that corrective measures are taken for the above matter.

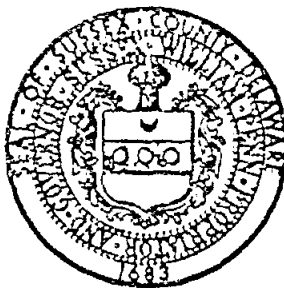
Sincerely,


John P. Argo
Landfill Supervisor

cc: Sussex County Council
Mr. J.T. Conaway, County Administrator
Mr. W.C. Henry, County Engineer
Mr. Fred M. McKee, Civil Engineer

AR200426

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



11
Sussex County
COURTHOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701

February 26, 1976

Mr. Douglas C. Hudson
Hudson Transfer & Construction Company, Inc.
P. O. Box #187
Milton, Delaware 19968

In re: Sussex County Landfill #5
Laurel, Delaware

Dear Mr. Hudson:

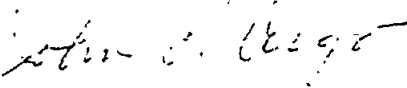
In accordance with Article 7.b of an Agreement for the operation and maintenance of Sussex County Landfill #5 between the Sussex County Council and Hudson Transfer & Construction Company, Inc., representatives from the Sussex County Engineer's Office visited the specified site on the evening of 24 February 1976. The visit occurred after all operations and maintenance activities had ceased for the day and the Landfill had been closed to the public.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited in Pit "A". Also, blown paper should be picked up and placed in pit.

It was also observed that your Operator is carrying on a salvage operation, which is not permitted.

Please see that corrective measures are taken for the above matters.

Sincerely,

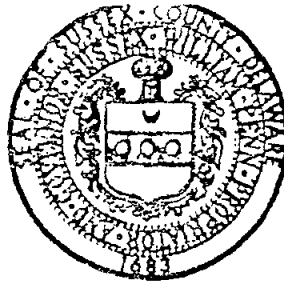

John P. Argo
Landfill Supervisor

JPA:hs

cc: Mr. J. T. Conaway, County Administrator
Mr. W. C. Henry, County Engineer ✓
Mr. Fred M. McKee, Civil Engineer
Sussex County Council

AR200427

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



SUSSEX County

COURTHOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE 195
302-654-7701

11
March 29, 1976

Mr. Douglas C. Hudson
Hudson Transfer & Construction Company, Inc.
P. O. Box # 187
Milton, Delaware 19968

In re: Sussex County Landfill # 5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 7.b of an Agreement for the Operation and Maintenance of Sussex County Landfill # 5, between the Sussex County Council and Hudson Transfer & Construction Company, Inc., a representative from the Sussex County Engineer's Office visited the specified site on the afternoon of 28 March 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

A photograph of the conditions that were observed is enclosed.

Please see that corrective measures are taken for the above matter.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor

JPA:has

cc: Mr. J. T. Conaway, County Administrator
Mr. W. C. Henry, County Engineer ✓
Mr. Fred M. McKee, Civil Engineer
Sussex County Council

AR200428

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County
COURTHOUSE
P. O. BOX 200
GEORGETOWN, DELAWARE 19522
302 (50) 7701

11

May 18, 1976

Mr. Douglas C. Hudson
Hudson Transfer & Construction Company, Inc.
P.O. Box 187
Milton, Delaware 19968

In re: Sussex County Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

In accordance, with Article 5.01.02 of an agreement for the Operation and Maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Company, Inc., a representative of the Sussex County Council visited the specified site the evening of 17 May 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

Under Article 4.06.21 Character of Workmen and Equipment. The Contractor shall employ only competent and efficient laborers, mechanics, or artisans, and shall have them at the landfill site at all times the landfill site is open for business. The Contractor's supervisor for the landfill site shall be competent and capable of directing the operations and maintenance of the Landfill site in accordance with the plan of operations. Whenever, in the opinion of the Sussex County Council, any employee is careless or incompetent, obstructs the progress of the work, acts contrary to instructions of the Contractor's superintendent or foreman, or conducts himself improperly, the Contractor shall, upon the request of the County Council discharge him from the work and shall not again employ him on the Contract except with the written consent of the Sussex County Council.

A photograph of the conditions that were observed is enclosed.

Corrective measures for the above conditions must be taken immediately.

Sincerely,

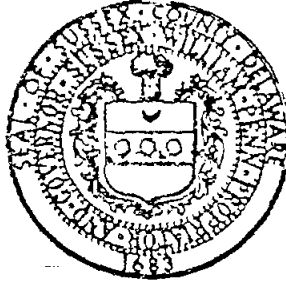
John P. Argo
Landfill Supervisor
Sussex County

cc: Mr. J.T. Conaway
Mr. Fred M. McKee
Sussex County Council

JPA/rsh

AR200429

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE 19947
302-456-1701

June 24, 1976

Mr. Douglas C. Hudson
Hudson Transfer & Construction Company, Inc.
P.O. Box 187
Milton, Delaware 19968

In re: Sussex County Landfill # 5, Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the Operation and Maintenance of Sussex County Landfill # 5, between the Sussex County Council and Hudson Transfer and Construction Company, Inc., representatives of the Sussex County Council visited the specified site the evening of 23 June 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

Daily cover requirements must be brought up to the standards specified by the signed contract you have with the Sussex County Council to operate Landfill # 5.

A photograph of the conditions that were observed is enclosed.

Corrective measures for the above conditions must be taken immediately.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor
Landfill Department

cc: Sussex County Council
Mr. Joseph T. Conaway
Mr. Fred M. McKee

AR200430

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

July 23, 1976

Mr. Wayne D. Hudson, President
Hudson Transfer and Construction Company, Inc.
P. O. Box 187
Milton, Delaware 19968

RE: Sussex County Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an Agreement for the Operation and Maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer and Construction Company, Inc., a representative of the Sussex County Council visited the specified site the evening of 22 July 1976.

It was observed that a layer of suitable cover material had been placed over most all the refuse deposited at the Landfill.

A photograph of the conditions that were observed is enclosed.

Sincerely,

John P. Argo
Landfill Supervisor

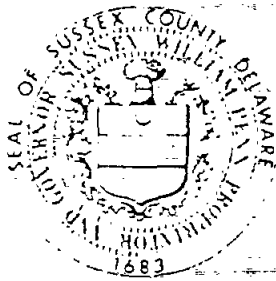
JPA:wh

Enclosure

cc: Mr. Joseph T. Conaway
Mr. Fred M. McKee

AR200431

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

August 25, 1976

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Del. 19968

Re: Sussex County Landfill #5, Laurel, Del.

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an Agreement for the Operation and Maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer and Construction Co., Inc., a representative of the Sussex County Council visited the specified site the evening of August 24, 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

A photograph of the conditions that were observed is enclosed.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor

JPA:hw

cc: Mr Joseph T. Conaway
Mr. Fred M. McKee ✓

AR200432

LEGAL NOTICE

FILE
LANDFILL
5

Notice is hereby given that application dated May 26, 1982, has been filed by the Public Works and Special Services, Sussex County, to operate a transfer station at the Sussex County Landfill #5 site, Laurel, Delaware.

The application may be inspected at the office of the Division of Environmental Control in Room 203, Blue Hen Mall, Dover; 14 Ashley Place, Wilmington; or the Highway Building, Georgetown. For additional information or an appointment to inspect the application, please call in Kent County 736-4781; New Castle County 571-3242; or Sussex County 856-5360.

A public hearing concerning this application will not be held unless the Secretary of the Department of Natural Resources and Environmental Control receives a request for such a hearing within 15 days from the date of this notice. A request for a hearing shall be in writing and state the reasons and purposes for making this request.

Solid Waste Management Branch
Division of Environmental Control
Room 203, Blue Hen Mall
Dover, Delaware 19901

PLEASE PUBLISH IN THE:

Sussex Countian
Delaware State News

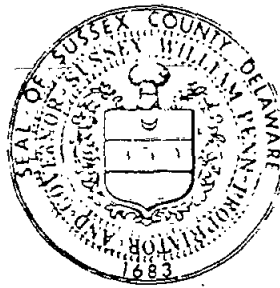
DATE: June 24, 1982

DO NOT PUBLISH

Kenneth R. Weiss
Supervisor/Environmental Engineer
736-4781

AR200433

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County
COURTHOUSE
GEORGETOWN, DELAWARE 19947
302 656-7701

May 25, 1973

Hudson Transfer & Construction Co., Inc.
P. O. Box 187
Milton, Delaware 19968

Attention: Mr. W. Douglas Hudson

Re: Operation and Maintenance Contract
Landfill No. 5, Laurel, Delaware

Gentlemen:

On 13 May 1973, the County Administrator and members of the Sussex County Council inspected all County operated landfills. They were extremely dissatisfied with the lack of proper compaction and cover, the scattered paper in the disposal area and along the access road, and the smoldering fire and general condition of the "B" pit.

On 23 May 1973, our Landfill Supervisor inspected the referenced site after it had closed and your equipment operator had left. He reported that no cover material had been placed on the material in "A" pit, which had been deposited that day and two loads had been dumped in the same pit which had not even been leveled or compacted. The aforementioned condition is a definite violation of the requirements of the contract.

This letter is notice to you that Sussex County Council, through this office, intends to obtain the quality of operation of all its landfill sites which is specified in the contract. If the aforementioned deficiencies are not corrected, Sussex County Council will terminate the contract and take the necessary actions to obtain satisfactory operation and maintenance of this landfill.

If you have any questions regarding this matter, you are requested to contact this office.

Very truly yours,

William C. Henry
William C. Henry, P. E.
County Engineer

Joseph T. Conaway
Joseph T. Conaway,
County Administrator

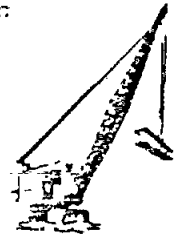
WCH:E
cc: J. T. Conaway,
County Administrator
J. P. Argo
Landfill Supervisor
Certified Mail,
Return Receipt Requested

AR200434

HUDSON TRANSFER & CONSTRUCTION CO., INC.

Located on Rt. 16

General Contractor



684-4221
684-4240
684-5095

P O Box 157 Milton, Delaware 19968

AREA CODE 302

3 11

June 25, 1973

Mr. William Henry, County Engineer
Courthouse
Georgetown, Delaware 19947

Re: Landfill #5
Laurel, Delaware

Dear Sir:

It has been brought to my attention by the operator at landfill #5 that there has been in the past and present a repeated dumping of live chickens in Pit A.

I have complained about this repeatedly with no success.

So at this time, I wish to bring this to everyone's attention that may be concerned or who may be able to correct this deplorable situation.

I was informed by the former dump inspector that live fowl, fish or animals were not to be accepted by the operator.

At one time we got the driver to dump his load of rotten eggs and chickens separately and the load was inspected by the former inspector. The correction made at this time was the hatchery sent out a man with a rake, who smashed the live chickens.

I do not believe this is the solution we were looking for.

Trusting this will receive your immediate attention and what ever action necessary will be taken to correct this.

Very truly yours;

HUDSON TRANSFER & CONSTRUCTION CO., INC.

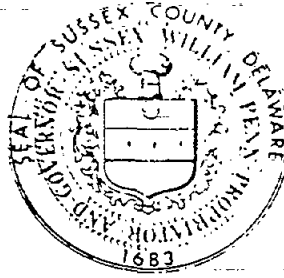
Douglas C. Hudson
Douglas C. Hudson
Executive

DCH/b

*Have copy to John Argo 26 June 73, with
instructions to correct.*

AR200435

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County
COURTHOUSE
GEORGETOWN, DELAWARE 19347
302-856-7701

11

File #

MEMO TO: John Arango,
Landfill Supervisor
FROM: William C. Henry,
County Engineer
SUBJECT: Test Wells at Landfills 2, 5, and 6
DATE: 25 March 1974

This is to advise you that the Department of Natural Resources and Environmental Control has requested and been granted permission to install test wells on the sites of landfills. A representative of the agency will contact this office prior to starting work at any of the sites.

When we receive this notice, it will be necessary for us to meet with their representative to make sure at the sites that the wells do not and will not in the future interfere with the practical operation of the landfills.

I am attaching a copy of this memo to each of the responsible offices so that our personnel at the sites will be informed about this project.

Signed: W.C. Henry
William C. Henry

Pasquale,
Division of Environmental Control

Frank Mc,
Division of Environmental Control

AR200436

WICOMICO COUNTY BOARD OF ZONING APPEALS

P. O. Box 791

Plaza East - Suite 700

Salisbury, Maryland

September 17, 1974

Re: Special Exception Case # WA-74119

Sanitary Land Fill

Use in

Agricultural-Rural Residential

District.

Consolidated Contractors, Inc.
c/o Mr. Bob Miller
710 Fitzwater Street
Salisbury, Maryland, 21801

Dear Mr. Miller:

The Wicomico County Board of Zoning Appeals, after a public hearing of your request on August 29, 1974 hereby notifies you of their decision to:

- Deny the request
 Defer a decision; to be made in 30 days and notification given
 Approve the request with no special conditions
 Approve the request with the following condition(s):

(SEE ATTACHED)

The Board stated its reason for the decision as follows:

"We find from a preponderance of the evidence that the use of this property for a sanitary land fill operation, with the Conditions imposed by the Board, will not adversely affect the health, safety, and general welfare of residents or workers in the area, will not be detrimental to the use or development of adjacent properties or the general neighborhood and will be so designed to minimize possible adverse effects on the surrounding area."

If your request was approved either with or without conditions, you may now obtain any necessary permits from the Health Department and the County Building Inspector's Office. The Building Inspector is also the official responsible for enforcing the zoning regulations and any conditions placed on the Special Exception. The Building Inspector will assist you in any way possible.

If your request was denied, you may appeal the Board's decision to the Wicomico County Circuit Court within 30 days of the hearing identified above. The Court is empowered to overturn or confirm the Board's decision.

If you have any questions, please do not hesitate to call this office.

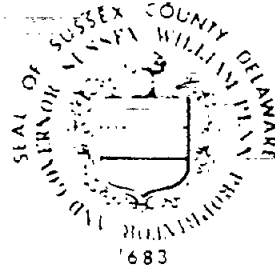
Sincerely yours,

Richard B. Royce
Richard B. Royce,
Planning Director

cc: Building Inspector
County Attorney
Mr. John Long, Attorney
Mr. Pat Rogan, Attorney
Mr. Herschell Claggett, Solid Waste Control
Mr. Ed Hopkins, Health Department
Mr. Matthew Creamer, County Administrative Director
Mr. Paul Sigrist, Soil Conservation
Mr. William Porter

AR200437

IAMC HENRY PE
COUNTY ENGINEER



Sussex County

COURT HOUSE
GEORGETOWN, DELAWARE 19801
3 2 23 1 1 1

December 18, 1974

Hudson Transfer and Construction Company
P.O. Box 157
Milton, Delaware 19968
Attn: Mr. Douglas Hudson

Dear Mr. Hudson:

Please be advised that this office desires that all unfinished work at each of the County Landfills be updated and completed within the next sixty (60) days. Prompt repairs of all cracked, eroded and uneven areas of all the landfills. All two (2) foot final cover on completed cells must be brought up to date.

This letter is a notice to you that Sussex County Council, through this office intends to obtain the quality of operation of all its landfill sites which is specified in the contract. If the aforementioned is not corrected, County Council will exercise the withholding of payments.

If you have any question regarding this matter you are requested to contact this office.

Very truly yours,

John P. Argo
John P. Argo,
Landfill Supervisor

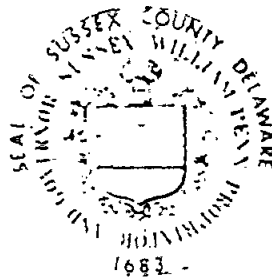
RA, rsh

Frederic M. McKee

County Engineer's Office

AR200438

IAM C HENRY PE
COUNTY ENGINEER



Sussex County

COURTHOUSE
GEORGETOWN DELAWARE 1987
3 2 2 1 1 1 1 1

APR 09 1977

11

April 7, 1977

Hulson Construction Company
P.O. Box 117
Wilton, Delaware
Attn: Mr. Douglas Hulson

Re: ~~Letter of December 18, 1976~~

Dear Mr. Hulson:

The above letter reads, "Please be advised that this office desires that all unfinished work at each of the County Landfills be updated and completed within the next sixty (60) days. Prompt repairs on all eroded, erode and uneven areas of all the Landfills. All two (2) foot final cover on completed cells must be brought up to date."

As you know, the weather has been during this period, wet, cool, and windy at times. However Spring has sprung and the good weather has broken and in most cases have seen little or no progress towards the above request. All Landfills are falling behind on some of the above requests, and all of this is part of the Contract signed by you.

If you have any question regarding this matter you are requested to contact this office.

Very truly yours,

John P. Argo
Landfill Supervisor

AR200439

May 6, 1975

Mr. Douglas Hudson
c/o Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

In re: Letters Dated December 18, 1974 and April 8, 1975

Dear Mr. Hudson:

I have seen little or no response to the items listed in these letters. It is with deep regret that you are not completely living up to your signed contracts with Sussex County Council.

It has been brought to my attention that in the future Landfill Contract will be let, according to past performance and not just on the lowest bid because it is the lowest bid. Performance means the Contractor's ability to do the work that his contract calls for. And the fact that the Contractor does not have to be reminded constantly that his work has to be brought up to date, and not be told three or four times a year if he doesn't bring his work up to date that his pay is going to be cut off until the work is done.

It is requested to have all work brought up to date by June 15, 1975.

Very truly yours,

John P. Argo,
Landfill Supervisor

JPA/rsh

AR200440

LF 5

11

to Mr. William C. Henry, Engineer, Sussex County AT

SUBJECT Inquiry of Council President Benson Regarding Letter to Mr. Hudson DATE 5/12/75

Pursuant to your request, attached please find a copy of the letter John Argo sent to Mr. Douglas Hudson, relating to the above subject. I cannot see where John used any undue language in this matter.

PLEASE REPLY TO →

SIGNED *Frank W. Miller*

cc: Mr. John P. Argo

SIGNED

SEND PARTS 1 AND 3 INTACT
PART 3 WILL BE RETURNED WITH REPLY

me

John P. Argo,
Landfill Supervisor

JPA/rsh

AR200441

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County
COURTHOUSE
P. O. BOX 189
GEORGETOWN, DELAWARE 1984
302-385 7761

9 June 1975

(Handwritten initials)

Mr. Oliver Hitchens
Sussex Sand & Gravel, Inc.
Millsboro, Delaware 19966

Ref: Sussex County Landfill No. 5

Dear Mr. Hitchens:

Under your contract for the above referenced landfill which ended on 1 April 1973, you were required to provide a minimum final suitable cover material depth of 2 feet over those areas which were filled with refuse during the period of your contract. It was recently discovered that an area filled with refuse during the period of your contract has only a 6 inch final cover depth.

Thus, the Sussex County Council has asked me to advise you that under the terms of your previous contract, a final cover depth of 2 feet must be provided. The area for which this final cover must be provided is approximately 570 feet in length by 80 feet in width.

Please contact Mr. John P. Argo, Sussex County Landfill Supervisor, and he will show you the area that needs to be filled.

The Sussex County Council looks forward to continuing the fine working relationship that has been established with you in the past in your compliance with this request under the terms of your contract. Please let me know at your earliest convenience the date by which you expect to meet this contract commitment for final cover.

Sincerely,

William C. Henry
William C. Henry, P.E.
SUSSEX COUNTY ENGINEER

WCH:FMM:jb

cc: Sussex County Council
A. Dean Betts, Esq.
Mr. Joseph T. Conaway
Mr. John P. Argo

AR200442

June 6, 1973 Few loose papers but not too bad. While at site #5 Mr. Hudson returned my call in reference to letter he received around May 25th. He wanted to know just what it was we wanted at these sites. I told him that the paper along the access road had to be picked up and returned to pit. And that the ramp had to be leveled and graded to get rid of bumps and depressions, also told him that the fire in pit (B) was to be put out. He in return told me this fire had been burning for 18 months. He thought that Mr. Sharp should put out this fire. I asked him if there was a fire at the time he bid this contract. He said that there was a fire at this time. In a conversation with Mr. Sharp later in the day he informed me that there was no fire in pit (B) at the time contract changed hands.

June 12, 1973 Machine broken down for 4 or 5 hours. "B" pit needs to be covered. Some loose paper.

June 14, 1973 Landfill covered over fair, but could have been better. 8 or 10 more buckets of dirt would have covered the fill much better. Chickens scrap showing through and a lot of flies.

June 19, 1973 Machine was broken down for several hours. Very far behind in his work at this time.

June 25, 1973 Operator one of Mr. Hudson's best Operators has put this site in good shape at this time.

June 27, 1973 Things are getting pretty rough at this site. Ramp very rough. Compaction very poor. Covered very poorly.

July 3, 1973 Ramp very soft and rough. Hudson has had 3 different Operators at this site in last 6 days. Machine was broken down part of Saturday. It is believed that the cover was not too good over weekend.

July 6, 1973 Here for just a few minutes. Substitute operator at this site today.

July 7, 1973 - 8:45 P.M. Visited this site after Mr. Owens called me at 6:00 P.M. to tell me that there had not been a operator here all day. I called Mr. D. Hudson to tell him that there had not been an operator on that site all day. He told me to not worry about a thing, that he would have somebody on the site in 30 minutes time, and cover up this material. I arrived at this site at 8:45 P.M. and whom ever pushed the material back was gone at this time. Face of Pit was not covered at all. Ramp very rough, lot of material on ramp not covered.

AR200443

cont. - Site #5 Laurel, Delaware

July 10, 1973 Ramp very rough, lot of material on ramp. Not compacting and covering properly. Eggs quite a problem at this site.

July 14, 1973 Machine has been down half of day due to being hot. Material will not be covered good at 5:00 by no means. Ramp rough and trashy.

July 17, 1973 Ramp very rough, cover bad, eggs smell very bad. New Operator came to this site today.

July 18, 1973 2:00 P.M. New operator and new track front end loader at this site. It will take some time to get this site in shape.

July 20, 1973 10:00 A.M. Ramp very rough. Lot of loose paper and material on ramp. New machine sitting idle when I went back to fill. Operator sleep in his car.

July 23, 1973 11:00 A.M. Ramp rough, litter^{up} with paper, tires, etc. Far behind in work, lot of material not pushed back. New machine not much good without a good operator.

July 24, 1973 Called Mr. Hudson to inform him that his new operator was not doing too well at site #5. Ramp rough and ect.

July 26, 1973 Some improvement at this site since I called Mr. Hudson Tuesday of this week. Ramp some what improved, cover and compaction also improved.

July 30, 1973 Ramp poor, ramp completely covered with garbage and trash. Machine was started for the first time today at 2:40 P.M., there is no way this material will be covered at 5:00 P.M. This operator is taking no interest in his work at this site. Operator was gone from site 4½ hours.

July 31, 1973 Mr. Doug Hudson, Operator at this site today. Mr. Hudson shaped this site up a little today. Mr. Hitchens moved in today to start work on finishing cover of fills at this site. Did not get much done today on this job. I put out new grade stakes at this site today.

August 1, 1973 While at this site Mr. Doug Hudson and Son, Wayne, came to this site only to find the operator in Hitchens old trailer asleep. Material in "A" & "B" pits very far behind in work. Ramp very rough, uneven.

August 2, 1973 Operator at this site not doing much. Material piled up. Operator laying down in car.

August 3, 1973 Mr. Hudson changed Operators at this site today. Have reason to believe that this site will improve in next few days.

AR200444

cont. Site #5

August 6, 1973 Mr. Hudson's new operator is making quite a change in the appearance and smell of this site. Hopefully, some of the problems at this site are about solved.

August 7, 1973 3:00 P.M. Ramp fair, cover and compaction fair. Few loose pieces of material on ramp. Mr. Hitchen's men to complete work of placing two foot of cover on cells at this site today.

August 11, 1973 Ramp fair, but a little sandy. Compaction fair, cover could have been better.

August 14, 1973 Ramp fair, compaction fair, cover fair. "B" material a little behind.

August 22, 1973 Ramp poor, very muddy. Cover and compaction better at this site.

August 28, 1973 4:30 P.M., Ramp and compaction good, cover fair. "B" material needs some attention.

August 31, 1973 4:10 P.M., Ramp good, compaction good, cover fair. Some loose material on ramp, paper and some small pieces of metal. "B" pit material has been pushed back, compacted and covered.

September 4, 1973 1:00 P.M., Ramp and compaction fair, cover fair. Some loose paper, etc. on ramp that could have been picked up.

September 8, 1973 6:00 P.M., Ramp good, compaction fair, cover good. Some loose material on ramp.

September 11, 1973 Ramp fair, compaction fair, cover fair. Some loose material on ramp.

September 17, 1973 Ramp good, compaction good, cover good. "B" material pit in good shape.

September 26, 1973 Ramp good, compaction good, cover fair, some loose paper on ramp. "B" material pit needs some work as of today.

October 1, 1973 Compaction, ramp, cover fair. "B" pit in good shape. Mr. Hudson has a good man at this site for now.

October 8, 1973 Ramp and compaction good, cover fair, "B" material pit pushed, compacted and covered. Some loose material lying around.

October 15, 1973 Some loose material on Ramp. Compaction good, cover good. Cell that is in use is about filled. Mr. Hudson not looking to far ahead at this site or site # 4.

AR200445

Cont. Site # 5

October 23, 1973 Ramp rough and dusty. Compaction good, cover fair. Some loose papers lying around.

October 31, 1973 Ramp and compaction good, cover fair. Some loose material on ramp.

November 2, 1973 Started new pit at site today.

November 5, 1973 New cell coming along fine at this time.

November 13, 1973 11:45 A.M., Ramp and compaction good, cover poor. Some loose paper, etc. lying around. Work on cell coming along very good at this time.

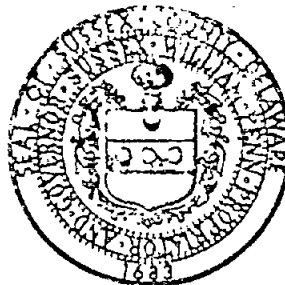
November 19, 1973 Ramp good, compaction good, cover fair. Some loose paper, etc. lying around.

November 24, 1973 Ramp and compaction good, cover fair. New cell coming along just fine at this time.

November 26, 1973 Ramp good, compaction good, cover fair. Little material laying on ground.

AR200446

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COURTHOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE 19347
302 656-7701

14 July 1975

Mr. Douglas C. Hudson
Hudson Transfer and Construction Company, Inc.
Post Office Box 187
Milton, Delaware 19968

Ref: Sussex County Landfill No. 5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 7.b. of an Agreement for the operation and maintenance of Sussex County Landfill No. 5 between the Sussex County Council and Hudson Transfer and Construction Company, Inc., the Sussex County Engineer's Office visited the specified site on the day of 2 July 1975 and the evening of 10 July 1975.

At this landfill you have provided separate disposal pits for Type A and Type B solid wastes. However, some Type A solid wastes have been deposited in the Type B disposal pit. This problem can be nearly eliminated if your operator would spend more time at the disposal site and less time at the landfill gatehouse.

Sincerely,

William C. Henry, P.E.
SUSSEX COUNTY ENGINEER

WCH:FMM:jb

cc: Sussex County Council
Mr. J. T. Conaway
Mr. J. P. Argo

AR200447

WILLIAM C. HENRY, P.E.
COUNTY ENGINEER



Sussex County

COUNTY HOUSE
P. O. BOX 888
GEORGETOWN, DELAWARE 19347
302-658-7701

22 August 1975

Mr. Douglas C. Hudson
Hudson, Transfer & Construction Co., Inc.
P. O. Box 187
Milton, Delaware 19968

Ref: Sussex County Landfill No. 5
Laurel, Delaware

Dear Mr. Hudson:

In accordance with 7.b. of an Agreement for the operation and maintenance of Sussex County Landfill No. 5 between the Sussex County Council and Hudson, Transfer & Construction Co., Inc., the Sussex County Engineer's Office visited the specified site on the evening of 21 August 1975. The visit occurred after all operations and maintenance activities had ceased for the day and the landfill had been closed to the public.

Since my last correspondence to you of 14 July 1975, Pit B has been completed and now all Type B solid wastes are being disposed of jointly with Type A solid wastes in a combination Pit A and B. However, the former Pit B has not been covered in many areas. This is in direct violation of Article 1.c. of your Agreement with the Sussex County Council.

Moreover, due to the large quantity of bulky paper products (that is, a Type B solid waste) that are deposited at Sussex County Landfill No. 5, the combination Pit A and B that is now being used is most hard to place a layer of suitable cover material completely over the refuse deposited each day, as required by Article 1.c. of your Agreement with the Sussex County Council. Thus, it was observed that a layer of suitable cover material had not been completely placed over the refuse deposited in the combination Pit A and B. Such a condition is not in compliance with either Section 38.42 (b) 3. of the State of Delaware Sanitary Code or with Article 1.c. of your Agreement with the Sussex County Council.

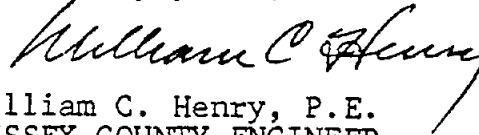
Please see that the above described violations are corrected so that no future violations occur.

AR200448

22 August 1975

I recommend that you once again consider having separate pits for Type A and Type B solid waste.

Very truly yours,



William C. Henry, P.E.
SUSSEX COUNTY ENGINEER

WCH:FMM:jb

cc: Sussex County Council
Mr. J. T. Conaway
Mr. J. P. Argo

AR200449

FILE

WILLIAM C HENRY PE
COUNTY ENGINEER



Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE

MAY 6 1975

May 6, 1975

Mr. Douglas Hudson
c/o Hudson Transfer & Construction Co.
P.O. Box 157
Milton, Delaware 19968

In re: Letters Dated December 18, 1974 and April 8, 1975.

Dear Mr. Hudson:

I have seen little or no response to the items listed in these letters. It is with a deep regret that you are not completely living up to your signed contracts with Sussex County Council.

It has been brought to my attention that in the future Landfill Contract will be let according to past performance and not just on the lowest bid, because it is the lowest bid. Performance means the Contractor's ability to do the work that his contract calls for. And the fact that the Contract does not have to be reminded constantly that his work has to be brought up to date, and not to be told three or four times a year if he doesn't bring his work up to date that his pay is going to be cut off until the work is done.

It is requested to have all work brought up to date by June 15, 1975.

Very truly yours,

John P. Argo
John P. Argo
Landfill Supervisor

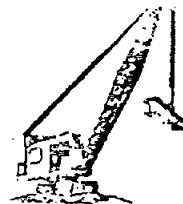
JPA/rsh

AR200450

HUDSON TRANSFER & CONSTRUCTION CO., INC.

Located on Rt. 16

General Contractor



P. O. Box 157 Milton, Delaware 19968

AREA CODE 302

65
684-4200
684-8095

Mr. Donn R. Arge
Landfill Supervisor
County Courthouse
P. O. Box 539
Dorchester, Delaware 19947

August 24, 1977

Dear Mister Arge:

In Reference to your Letters Dated August 23, 1977 and Pictures Dated August 21, 1977 and August 22, 1977.

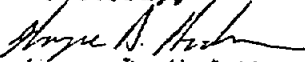
We again request we be notified immediately of violations of contract of Landfills so we can verify violations and correct them immediately. We feel that if the violations are worthy of instigating non payment up to 30 days after violation then they are worthy of being corrected immediately.

We did not receive notice until 2 or 3 days after alleged violation and have no way of verifying them.

We have supplied you with telephone numbers that someone could be reached at anytime of the night or day. To meet with you at the sites. If you have lost or misplaced this list we will be glad to supply you with another on request.

Your earnest consideration in the matter is most important.

Sincerely,

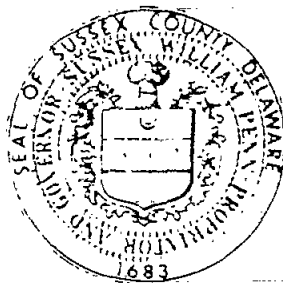

Wayne D. Hudson
President

Enclosed

C.C. Mr. Joe Conway
Mr. Phil Ellingsworth
Mr. Oliver Hill
Mr. Charles Cole
Mr. Ralph Benson
Mr. Howard Lorkson
Mr. John Cannon

AR200451

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

August 23, 1977

Mr. Wayne D. Hudson, President.
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, DE 19968

RE: Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

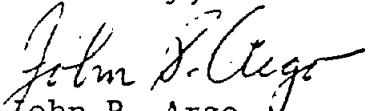
In accordance with article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., a representative of the Sussex County Council visited the specified site the evening of August 22, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the landfill, will instigate non payment, until such a time as this matter is resolved.

Sincerely,


John P. Argo
Landfill Supervisor

hw

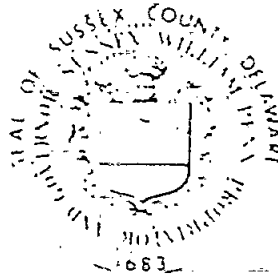
Enclosure

cc: Joseph T. Conaway
✓ Phil J. Ellingsworth

AR200452

JOHN P. ARGO

LANDFILL SUPERVISOR



Sussex County

COURT HOUSE

P.O. BOX 1382

SELWYCEAN, DELAWARE

302-650-7701

EXT. 221

October 20, 1977

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL, DELAWARE

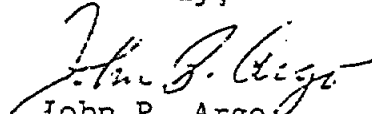
Dear Mr. Hudson:

In accordance with article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., a representative of the Sussex County Council visited the specified site the evening of October 19, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Sincerely,


John P. Argo
Landfill Supervisor

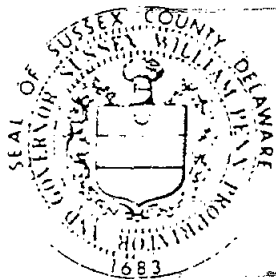
hw

Enclosure

cc: Joseph T. Conaway
Phillip J. Ellingsworth

AR200453

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

November 21, 1977

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Const. Co., a representative of the Sussex County Council visited the specified site the day of November 20, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

Rate of daily cover on trash upon inspection.

Good

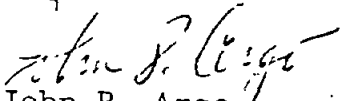
Satisfactory

Fair

Poor

Unsatisfactory #5

Sincerely,


John P. Argo
Landfill Supervisor

hw

cc: Joseph T. Conaway
Phillip J. Ellingsworth

AR200454

P.O. BOX 148
Seaford, Delaware
January 11, 1978

Mr. John Argo
Land Fill Office
% Engineers Office
#8 Race St
Georgetown, Delaware

Dear Sir:

I was advised to write you about the condition of the Portsville Land-fill. I have been hauling my own trash for almost a year and have yet to see it in any condition other than deplorable. I am afraid to drive my car in there anymore for fear of a flat from the uncovered debris or being stuck in the mud.

I am sure the heavy equipment operator does something other than sit with that large motor running, I just never see him.

Compare the Portsville Land-fill with the one at Bridgeville on the Georgetown road. Those men deserve to be recognized as doing an outstanding job, and I do see the equipment in use everytime I go there.

I would appreciate hearing from you.

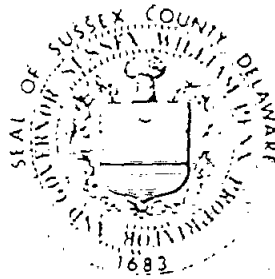
Sincerely,

Ms. E. G. Lovelace

CC: Mr. Fred McKee

AR200455

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
SECRETOAN, DELAWARE
302-856-7701
EXT. 221

January 13, 1978

Ms. E. G. Lovelace
P.O. Box 148
Seaford, Delaware 19973


RE: LANDFILL #5, LAUREL, DELAWARE

Dear Ms. Lovelace:

Each landfill Sussex County has is let out on a separate contract to contractors. Mr. Wayne Hudson is the contractor for the Laurel landfill and has changed his heavy equipment operator in the last few days. Hopefully the conditions you stated in your letter to me dated January 11, 1978, are much improved by the next time you should need to use the landfill. However, the contractor or the County has no control over the weather, which sometimes makes conditions a little bit rough at all of our landfills.

I appreciate your concern in this matter concerning the County Landfill at Laurel.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

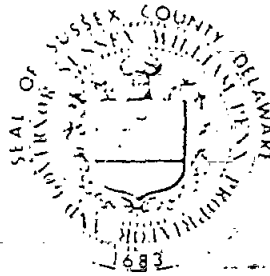
hw

Enc.

cc: Mr. Fred M. McKee
Mr. Phillip J. Ellingsworth ✓
Mr. Wayne Hudson

AR200456

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

March 20, 1978

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL, DELAWARE

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Const. Co., a representative of the Sussex County Council visited the specified site the day of March 19, 1978.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Rate of daily cover on trash upon inspection.

Good

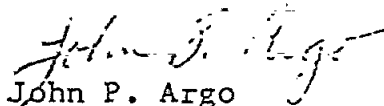
Satisfactory

Fair

Poor

Unsatisfactory #5

Sincerely,

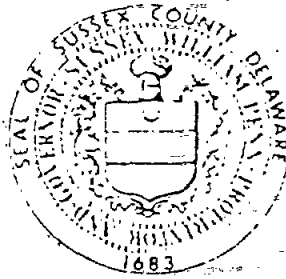

John P. Argo
Landfill Supervisor

hw

cc: Joseph T. Conaway
Phillip J. Ellingsworth ✓

AR200457

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

May 4, 1978

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILLS #4, #5, & #6

Dear Mr. Hudson:

Per our conversation of May 3, 1978 at Landfill #4 concerning Landfills #4, #5, & #6. I stated to you we have had several complaints by Landfill users about not being able to discharge their trash due to lack of space for dumping on Saturdays. Article Four, Section 4.06.15 Deposit Access: The Contractor shall maintain sufficient space, at the point where refuse is deposited, for the simultaneous dumping from at least two compactor vehicles. In addition, suitable space for receipt of deposits from area residents shall be provided for traffic control and safety of operation. The Contractor shall maintain the deposit access area so that it is passable for all types of vehicular travel that use the Landfill site during the hours that the Landfill site is open for business. Article Four, Section 4.06.21 states: The Contractor shall employ only competent and efficient laborers, mechanics, or artisans, and shall have them at the Landfill site at all times the Landfill site is open for business.

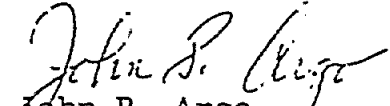
The Landfill office has had several complaints in the last few days as to the condition the Landfills are getting into by not being covered daily as should be. I see no excuse for there not being a cell excavated at Landfill #4, there not being a cell no larger than a good size truck.

AR200458

Mr. Wayne D. Hudson, President
May 4, 1978
Page 2

All of the above violations of the Landfill contracts you have with the Sussex County Council, must be improved. If you have any questions concerning the above, please contact me at the above phone number.

Sincerely,

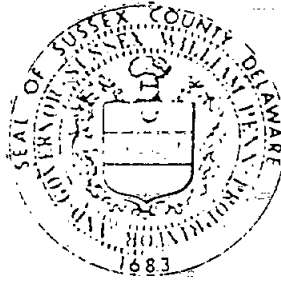

John P. Argo
Landfill Supervisor

hw

cc: Joseph T. Conaway
Phillip J. Ellingsworth

AR200459

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

May 26, 1978

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Company
P.O. Box 187
Milton, Delaware 19968

RE: UNSATISFACTORY CONDITION OF LANDFILLS #4, #5, & #6

Dear Mr. Hudson:

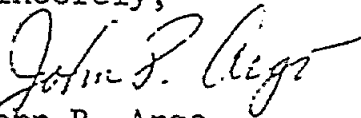
A letter to you dated May 4, 1978 and a couple of conversations on the above subject seems to have been overlooked. The letter dated May 4, 1978 sighted several infractions of the signed Landfill contracts your company has with the Sussex County Council. If there is no improvement seen by me by June 7, 1978, I shall recommend to the Sussex County Council that they terminate all Landfill contracts with Hudson Transfer & Construction Company. Article Six, section 6.01, States, "The County Engineer will have the authority to suspend the work, wholly or in part, due to the failure of the Contractor to correct conditions unsafe for the workmen or the general public; for failure to carry out provisions of the contract; for failure to carry out orders; or for and other conditions or reason deemed to be in the public interest." Article Six, section, 6.12, Failure of Performance. "In The event that the Contractor shall wholly fail to dispose of garbage and other materials herein provided to be disposed of for a period in excess of three (3) days, and provided such failure is not due to war, insurrection, riot, strike, Act of God, or any other cause or causes beyond the Contractor's control, the Council may, at its option after written notice to the Contractor, take over and operate any or all of the Contractor's equipment used in the performance of this contract, and use and operate the same itself until such matter is resolved and the Contractor resumes its operations under this contract.

AR200460

Mr. Wayne D. Hudson, President
May 26, 1978
Page 2

Any and all expense incurred by the Council in so doing
may be deducted by it from compensation to the Contractor
hereunder."

Sincerely,

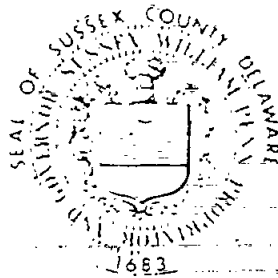

John P. Argo
Landfill Supervisor
Sussex County

hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth ✓

AR200461

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

CERTIFIED MAIL

May 30, 1978

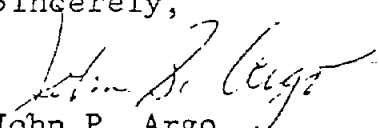
Alton L. Hastings
R.D.
Laurel, Delaware 19956

RE: LETTER DATE APRIL 20, 1978 AND ILLEGAL DUMPING
AT LANDFILL #5, LAUREL, DELAWARE

Dear Mr. Hastings:

Letter to you dated April 20, 1978 has gone unheeded. There was no dead line quoted to you in the above mentioned letter when a reasonable amount of time for you to clean up the land clearing from the Landfill, that you and your employees placed there. The dead line shall be June 7, 1978.

Sincerely,

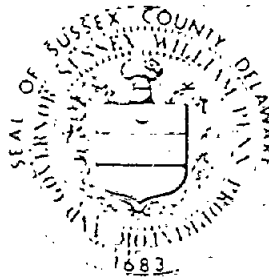

John P. Argo
Landfill Supervisor

hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth

AR200462

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 221

June 6, 1978

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., a representative of the Sussex County Council visited the specified site the day of June 4, 1978.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Rate of daily cover on trash upon inspection.

Good

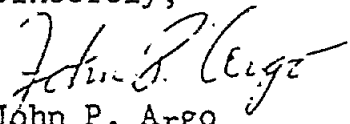
Satisfactory

Fair

Poor

Unsatisfactory #5

Sincerely,

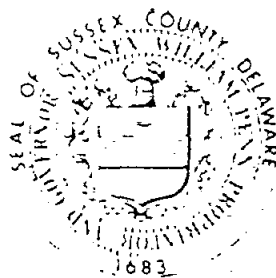

John P. Argo
Landfill Supervisor

hw

cc: Mr. Joseph T. Conaway w/photograph
Mr. Phillip J. Ellingsworth

AR200463

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

June 15, 1978

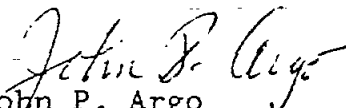
Mr. Wayne Hudson, President
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

RE: FINAL COVER OF TWO FEET ON ALL FINISHED AREAS

Dear Mr. Hudson:

Your contract at Landfill #5, Laurel, Delaware, will expire March 31, 1979. All final cover of two feet of earth shall be in place before the final payments of this contract are released. All work must be found to be satisfactory and complete before your performance bond and final payments are release. 6.09 Performance and Payments Bonds, states "The bond shall also contain the successful bidder's guarantee to indemnify and save harmless the Council from all costs, damages and expenses growing out of or by reason of the successful bidder's failure to comply and perform the work and complete the contract in accordance with the contract. If you have any questions concerning the above matter please contact me at the above number.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

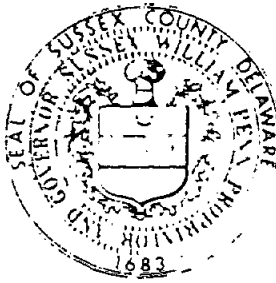
hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth

AR200464

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 330

August 14, 1978

Mr. Austin P. Olney
Secretary
State of Delaware
Department of Natural Resources
and Environmental Control
Edward Tatnall Building
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILLS
WESTON SOLID WASTE STUDY

Dear Austin:

Enclosed is a copy of a letter to Governor duPont on October 31, 1977. Sussex County has not received a response to this letter as of this date. Please inform us of the status of P.L. 94-580 funding. The Sussex County Solid Waste Plan is ninety-five percent (95%) complete.

Any assistance you can give us to help us obtain this funding will be greatly appreciated.

Sincerely,

Raymond F. Brotherton
Public Works Engineer

jr

Enclosure

cc: Mr. Joseph T. Conaway, w/enc.
Mr. N. C. Vasuki, P.E., w/enc.
Mr. John P. Argo, w/enc.

AR200465

L
11

August 22, 1978

Mr. Joseph Conaway
Sussex County
8 North Race Street
P.O. Box 589
Georgetown, Delaware 19947

Dear Mr. Conaway:

The opportunity to meet with you on July 17, 1978 was certainly appreciated. Not only did the occasion allow all of us present to review some of the past correspondence between your office and the Division of Environmental Control, but it also allowed us to discuss the present status of Sussex County plans for bringing the County Landfills into compliance with the Delaware Solid Waste Regulations.

As you know, our purpose in reviewing the correspondence was to emphasize our deep concern over the amount of time that has already elapsed since the need for landfill compliance was first established. If any detrimental impact of the landfills on groundwater quality is to be kept at a minimum with respect to both problem complexity and attendant corrective costs, then a more expeditious approach to the desired objective should receive our strongest joint encouragement.

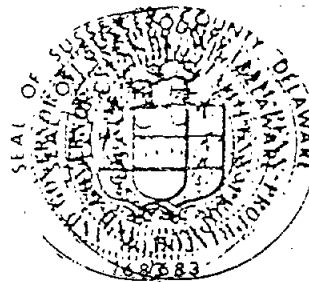
Our concern, of course, was appreciably relieved by the subsequent discussion on present County plans. Indeed, we were quite pleased to learn that your office was already preparing a bid-package to solicit bids on the construction of monitoring wells at the landfill sites. If our review and comments on that package will assist you in seeking such bids during the next several weeks, our cooperation is hereby assured.

In discussing the various elements of present County plans, there were five of particular note. They were:

- 1) All completed landfill sections will be covered and vegetated in accordance with prevailing regulations;
- 2) The installation of gas monitoring/venting systems at the landfills will be deferred until a need has been established by the Division of Environmental Control on the basis of analytical samples provided by the water-monitoring wells and, if no need arises, no system will be required;

AR200466

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P O BOX 824 589
GEORGETOWN, DELAWARE
302-852-3361/7701
EXT. 333 5

August 28, 1978

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: Landfill #5

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill # 5, between the Sussex County Council and Hudson Transfer & Construction Co., a representative of the Sussex County Council visited the specified site the day of August 27, 1978.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

Rate of daily cover on trash upon inspection.

GOOD

SATISFACTORY

FAIR

POOR

UNSATISFACTORY #5

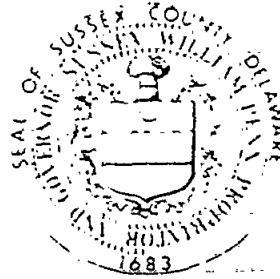
Sincerely,


John P. Argo
Landfill Supervisor

cc: Mr. Joseph T. Conaway
Mr. Raymond F. Brotherton

AR200467

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEGETOWN, DELAWARE
302-856-7701
EXT. ~~28~~ 335

September 20, 1978

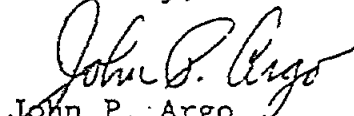
Mr. Wayne Hudson, President
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

RE: FINAL COVER AT LANDFILLS #4 & #5

Dear Mr. Hudson:

As you are aware the above two contracts will be expiring in the near future and so far the letter of June 15, 1978 has gone unheeded towards final cover. The above stated letter states; All work must be found to be satisfactory and complete before your performance bond and final payments are released. If you have any questions concerning the above matter call 856-7701 ext. 336.

Sincerely,

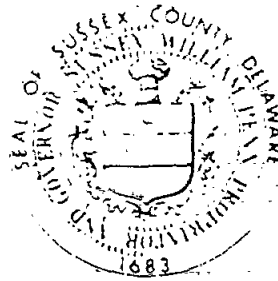

John P. Argo
Landfill Supervisor
Sussex County

hw

cc: Mr. Joseph T. Conaway, Sussex County Administrator
Mr. Raymond F. Brotherton, Public Works Engineer

AR200468

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 335

September 20, 1978

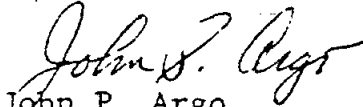
Mr. W. Paynter Sharp
W. Paynter Sharp & Son, Inc.
R. D. #1, Box 223
Milton, Delaware 19968

RE: LETTER DATED JUNE 15, 1978, FINAL COVER

Dear Mr. Sharp:

The above mentioned letter stated; All work must be found to be satisfactory and complete before your performance bond and final payments are released. As to this date the work of placing two feet final cover on finished areas has not been completed. If you have any questions concerning the above matter please contact me at 856-7701 ext. 336.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

hw

cc: Mr. Joseph T. Conaway, Sussex County Administrator
Mr. Raymond F. Brotherton, Public Works Engineer -

AR200469

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. ~~231~~ 335

September 20, 1978

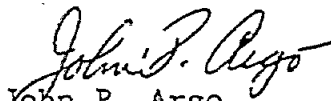
Mr. Darrell Hitchens
Hitchens Bros., Inc.
Box 66
Selbyville, Delaware 19975

RE: LETTER DATED JUNE 13, 1978, FINAL COVER

Dear Mr. Hitchens:

To date the above mentioned letter and work of two feet cover has gone unheeded by you and your concern. The letter stated all work must be found to be satisfactory and complete before your performance bond and final payments are released. If you have any questions concerning the above matter please contact me at 856-7701 ext. 336.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

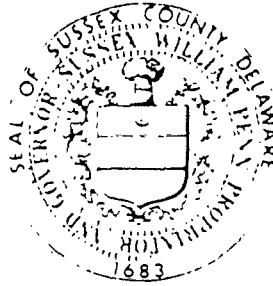
hw

cc: Mr. Joseph T. Conaway, Sussex County Administrator
Mr. Raymond F. Brotherton, Public Works Engineer

AR200470

JOHN P. ARGO

LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEGETOWN, DELAWARE
302-856-7701
EXT. 221

October 14, 1976

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

Re: Sussex County Landfill #5, Laurel, Del.

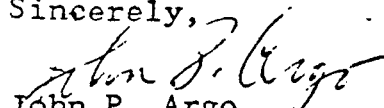
Dear Mr. Hudson:

In accordance with Article 5.01.02 of an Agreement for the Operation and Maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer and Construction Co., Inc., a representative of the Sussex County Council visited the specified site the evening of October 12, 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

A photograph of the conditions that were observed is enclosed.

Sincerely,

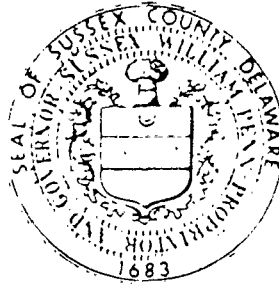

John P. Argo
Landfill Supervisor

JPA:hw

cc: Mr. Joseph T. Conaway
Mr. Fed M. McKee

AR200471

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County 11

COURT HOUSE
P. O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

December 16, 1976

Mr. Wayne D. Hudson
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

Re: Sussex County Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

In accordance with article 5.01.02 of an agreement for the Operation and Maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., Inc., representatives of the Sussex County Council visited the specified site on the evening of December 15, 1976.

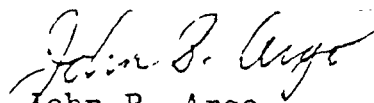
It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

Photographs of the conditions that were observed is enclosed. Loose paper should be picked up and returned to the pit.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the landfill, will instigate non payment, until such a time as this matter is resolved.

Seasons Greetings.

Sincerely,



John P. Argo
Landfill Supervisor

JPA/hw

Encl.

cc: Mr. Joseph T. Conaway
Mr. Fred M. McKee

AR200472


STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
PO BOX 1401
DOVER, DELAWARE 19901

TELEPHONE (302) 678 4761

April 5, 1979

Mr. Raymond F. Brotherton
Sussex County
P. O. Box 589
Georgetown, Delaware 19947

Dear Mr. Brotherton:

This is in response to your letter of March 22, 1979, regarding requirements for the construction and operation of a collection station at the Sussex County Landfill No. 5 near Laurel, Delaware. This landfill, which is approaching its fill capacity, will be closed in the very near future. Please be aware of the provisions of the Delaware Solid Waste Disposal Regulation, (Section 6.03 (h)) for the proper completion of the landfill.

In accordance with 7 Del. C., Chapter 60, you will be required to operate the solid waste collection station in such a manner that it will not cause any pollution of the environment. Also, the proposed collection station should be able to handle the solid waste which is presently received at the Sussex County Landfill No. 5. Therefore, we require that, for your permit application, you submit plans for the disposal of the solid waste, which will be accumulated at the proposed collection station.

In addition, Section 6003 of 7 Del. C., Chapter 60, requires that you conduct the transportation of solid waste in an environmentally sound manner.

We anticipate receiving for our review and approval, the above mentioned plans for solid waste disposal. Should you have any questions regarding this matter, please contact this office.

Sincerely,

T. Lee Go

T. Lee Go
Supervisor
Solid Waste Management Section

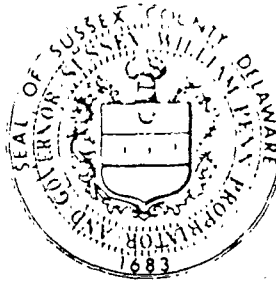
TLG:elm

cc: The Honorable Austin P. Olney
Dr. Edward A. Sienicki
Mr. Robert J. Touhey
Mr. Thomas F. Smith, Esquire

Mr. Joseph Conaway
Mr. John P. Argo ✓
Mr. N. C. Vasuki

AR200473

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
PO BOX 589
GEORGETOWN DELAWARE
302/856-7701
EXT 335

April 24, 1979

Mr. Wayne Hudson, President
Hudson Transfer & Const. Company
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Const. Company, a representative of the Sussex County Council visited the specified site the day of April 22, 1979.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Rate of daily cover on trash upon inspection.

Good

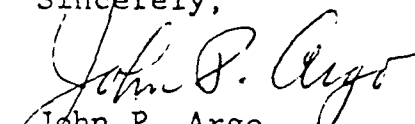
Satisfactory

Fair

Poor

Unsatisfactory #5

Sincerely,


John P. Argo
Landfill Supervisor

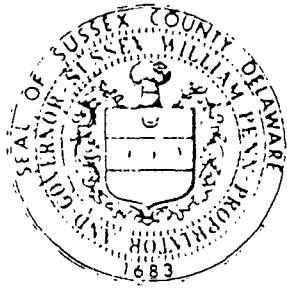
hw

Encl. 1

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth ✓

AR200474

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

May 16, 1979

Mr. Wayne D. Hudson, President
Hudson Transfer & Const. Company
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5, LAUREL, DELAWARE

Dear Mr. Hudson:

Because the usable land suitable for landfill operations will be completely filled by August 31, 1979, you are notified that there will be no further landfilling after August 31, 1979 at the above site.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor

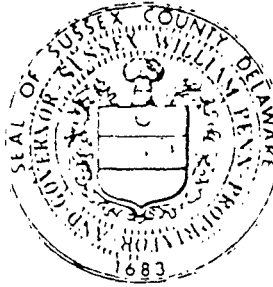
hw

cc: Honorable Ralph E. Benson
Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth
Mr. A. Dean Betts, Esquire
Mr. T. Lee Go
Mr. N. C. Vasuki

AR200475

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

P. O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 330

April 4, 1979

Dr. T. Lee Go
State of Delaware
Department of Natural Resources
& Environmental Control
Tatnall Building
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILLS

Dear Dr. Go:

I am in receipt of a copy of your letter dated February 23, 1979 in which you state that the burning of tree stumps in Sussex County Landfills is not allowable.

We agree that this method of doing away with tree stumps is not an attractive one; however, we are experiencing serious space problems in our Landfills because of these stumps.

Therefore, we respectfully request to be allowed to stack the tree stumps on finished portions of our Landfills in order to conserve space.

Thank you for your consideration on this matter.

Sincerely,

Phillip J. Ellingsworth

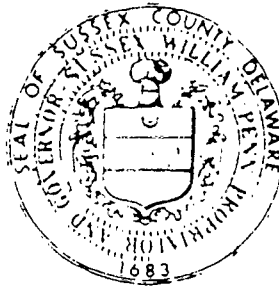
cat

cc: The Honorable Oliver E. Hill
Mr. Joseph T. Conaway

AR200476

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 330

March 22, 1979

Mr. Kenneth R. Weiss
Resources Engineer
State of Delaware
Department of Natural Resources
& Environmental Control
Division of Environmental Control
Post Office Box 1401
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILL NO. 5

Dear Ken:

Please be informed that Sussex County Landfill No. 5 near Laurel, Delaware is nearing its fill capacity.

As you know, Sussex County has plans for utilizing a transfer and collection station at this Landfill. Toward this goal, I plan to advertise bids for this work to contractors to transfer solid waste from Landfill No. 5 to Landfill No. 1 near Bridgeville, Delaware. I will need a permit to operate a collection station; but I plan to incorporate the obtaining of this permit in my bid documents. Please forward copies of any regulations or procedures you might deem necessary for this project to me so that they too may be included in the bid documents.

Should you have any questions, please contact me. Thank you for your cooperation.

Sincerely,

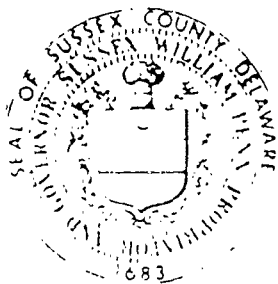
Raymond F. Brotherton
Public Works Engineer

cat

cc: Mr. Joseph T. Conaway
Mr. John P. Argo
Mr. N. C. Vasuki, P.E.

AR200477

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P O BOX 589
GEORGETOWN DELAWARE
302-855-7701
EXT. 221

January 3, 1977

Mr. Wayne D. Hudson
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

Re: Sussex County Landfill #5, Laurel, Delaware

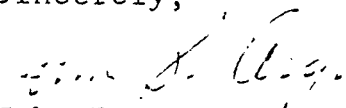
Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the Operation and Maintenance of Sussex County Landfill #4, between the Sussex County Council and Hudson Transfer and Construction Co., Inc., representatives of the Sussex County Council visited the specified site on the evening of December 30, 1976.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the Landfill.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the Landfill, will instigate non payment, until such a time as this matter is resolved.

Sincerely,

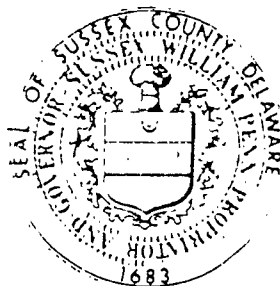

John P. Argo
Sussex County Landfill Supervisor

JPA/hw

cc: Joseph T. Conaway
Fred M. McKee ✓

AR200478

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

March 14, 1977

Mr. Wayne D. Hudson, Pres.
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

Re: Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

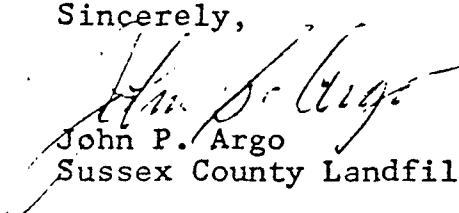
In accordance with article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., representatives of the Sussex County Council visited the specified site the day of March 13, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the landfill, will instigate non payment, until such a time as this matter is resolved.

Sincerely,


John P. Argo
Sussex County Landfill Supervisor

Enc.

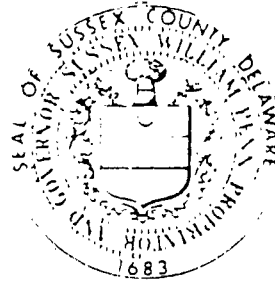
JPA/hw

cc: Joseph T. Conaway
Fred M. McKee

AR200479

JOHN P. ARGO

LAND FILL SUPERVISOR



Sussex County

COURT HOUSE

P. O. BOX 589

GEORGETOWN, DELAWARE

302-856-7701

EXT. 221

April 29, 1977

Mr. Wayne D. Hudson, President
Hudson Transfer Construction Co.
P.O. Box 187
Milton, DE 19968

//

RE: Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer Construction Co., representatives of the Sussex County Council visited the specified site the day of April 28, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill. All solid waste must be covered daily.

Not Found.

A photograph of the conditions that were observed is enclosed.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the landfill, will instigate non payment, until such a time as this matter is resolved.

Sincerely,

John P. Argo
John P. Argo
Landfill Supervisor
Sussex County

Enc.

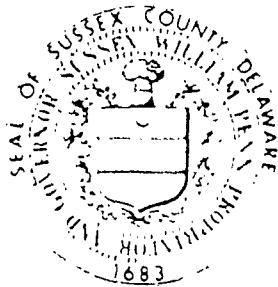
hw

cc: Joseph T. Conaway
Fred M. McKee

200

AR200480

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County 11

COURT HOUSE
P O BOX 589
GEORGETOWN DELAWARE
302-856-7701
EXT. 221

May 24, 1977

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, Delaware 19968

RE: Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

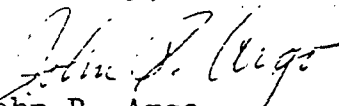
In accordance with article 5.01.02 of an agreement for the operation and maintenance of Sussex County Landfill #5, between the Sussex County Council and Hudson Transfer & Construction Co., a representative of the Sussex County Council visited the specified site the day of May 23, 1977.

It was observed that a layer of suitable cover material had not been placed over all the refuse deposited at the landfill.

A photograph of the conditions that were observed is enclosed.

Further, neglect of you, having your operator place ample daily cover on the daily volume of solid waste, which is deposited at the landfill, will instigate non payment, until such a time as this matter is resolved.

Sincerely,


John P. Argo
Landfill Supervisor

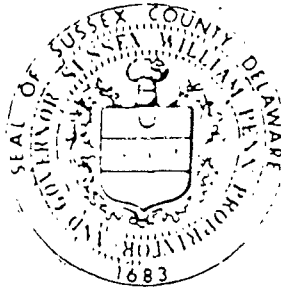
hw

Enc.

cc: Joseph T. Conaway
Fred M. McKee
Phil Ellingsworth ✓

AR200481

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 221

June 16, 1977

Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Co.
P.O. Box 187
Milton, DE 19968

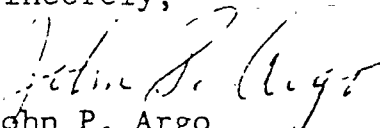
RE: Sussex County Landfills #6, Omar, Delaware
& Landfill #5, Laurel, Delaware

Dear Mr. Hudson:

In accordance with Article 4.06.16 Access Roadway:
The Contractor shall maintain the all-weather access
road from the end of the surfaced access road to the work
area free of broken glass, metals and any other materials
which may be hazardous to the operation of private and
collection vehicles using the site.

Once again we are receiving several complaints on this
matter and these problems should be corrected immediately.

Sincerely,


John P. Argo
Landfill Supervisor

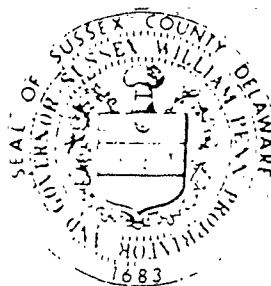
hw

cc: Joseph T. Conaway
Phillip J. Ellingsworth ✓

AR200482

PHILIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

8 NORTH RACE STREET
P O BOX 589
GEORGETOWN DELAWARE
302-855-7701
EXT 288

July 12, 1977

Mr. Wayne Hudson
President
Hudson Transfer & Construction
Company
Post Office Box 187
Milton, DE 19968

RE: SUSSEX COUNTY LANDFILL NOS 5 & 6

Dear Mr. Hudson:

As I explained during a recent telephone conversation with Doug Hudson, Mr. John Argo and I found some problems with your landfills during our monthly inspection of all landfills in June 1977. However, rather than start off in my new position by sending you a letter expressing our concerns about these landfills, I thought it would be more appropriate for me to call you and express these concerns to you over the telephone.

On July 11, 1977 I informed Mr. Argo that I would again like to inspect Landfill Nos. 5 and 6 to see if there were any significant improvements. In my opinion, Landfill No. 5 overall had improved but still needs work particularly compared to the rest of the landfills. I am still very concerned about Landfill No. 6 for the following reasons:

1. There has not been much improvement since my last inspection as far as materials being properly covered;
2. There was very little cover dirt available; and
3. There was a large hole and, according to Mr. Argo, there should not be that type of hole in that particular location.

I realize that you cannot personally supervise the operations of these landfills on a daily basis, but I would hope that you too would realize that I must try to see that all landfills are properly run and that the people responsible for these landfills are treated fairly. I am not asking anything of you that I would not ask of any other landfill operator.

AR200483

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

8 NORTH RACE STREET
P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 288

June 28, 1977

Mr. Wayne Hudson
President
Hudson Transfer Construction
& Company
Post Office Box 187
Milton, DE 19968

RE: SUSSEX COUNTY LANDFILL NO. 5

Dear Mr. Hudson:

Last night, June 27, 1977, I accompanied Mr. John Argo on my first inspection of the County landfills. Since I have only been on the job approximately one month, I by no means feel I am an expert in this area. However, after seeing all six landfills and evaluating the condition the landfills were left in on this one occasion, I feel that Landfill No. 5 was in poor condition.

In my opinion, it would appear that your operator did not make an effort to cover even that garbage dumped on the day of the inspection. As I stated at the beginning of this letter, I am not an expert in this field; however, after seeing all six landfills, it does not take an expert to see that this site was by far in the worst condition of any of the landfills. There may be circumstances that I am not aware of that could cause this problem. If so, I would appreciate your contacting me at your convenience.

I look forward to working with you in the future. If at any time I can be of service to you, please do not hesitate to call me.

Sincerely,

Phillip J. Ellingsworth

cat

Enclosure

cc: Mr. Joseph T. Conaway
Mr. Fred M. McKee
Mr. John P. Argo

AR200484

Mr. Wayne Hudson
July 12, 1977
Page 2

I would appreciate any help you can give me on this matter. If you have any questions, please do not hesitate to call me.

Sincerely,

Phil Ellingsworth

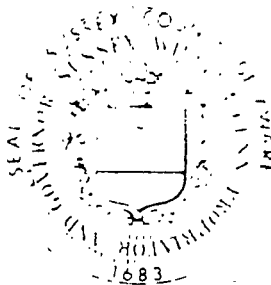
Phillip J. Ellingsworth

cat

cc: Mr. Joseph T. Conaway
Mr. Fred M. McKee
Mr. John P. Argo

AR200485

JOHN P. ARGO
LAND FILL SUPERVISOR



Sussex County

COURT HOUSE
P.O. BOX 589
DEPOTOWN, DELAWARE
800-856-7701
EXT. 336

September 21, 1978

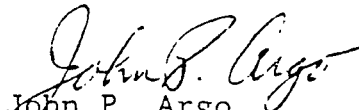
Mr. Wayne Hudson, President
Hudson Transfer & Construction Co., Inc.
P.O. Box 187
Milton, Delaware 19968

RE: LETTERS DATED JUNE 15, 1978, SEPTEMBER 20, 1978
REFERRING TO LANDFILLS #4 & #5

Dear Mr. Hudson:

Above mentioned letters were reminders of work to be complete at contract expiring date. If you have any questions concerning the above matter call 856-7701 ext. 336.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

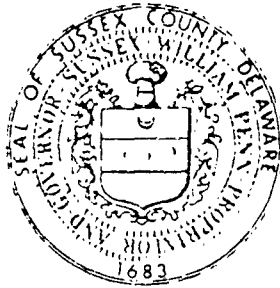
hw

cc: Mr. Joseph T. Conaway, Sussex County Administrator
Mr. Raymond F. Brotherton, Public Works Engineer ✓

AR200486

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County 11

P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 330

November 8, 1978

Dr. Edward A. Sienicki
Director
State of Delaware
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Tatnall Building
Post Office Box 1401
Dover, DE 19901

Dear Dr. Sienicki:

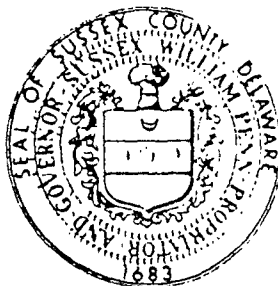
RE: SUSSEX COUNTY LANDFILLS

This letter is to inform you of the action taken by Sussex County to bring our landfills into compliance with the Delaware Solid Waste Regulation of 1974. As you know, Sussex County operates its landfills in compliance with the permits issued under the old Sanitary Code of 1969. We have attempted, however, to comply with the new code whenever possible. Sussex County is now considering closing our landfills and implementing a new plan which would be in compliance with the 1974 regulations. Closure of the existing landfills would be in compliance with the recommendations of your letter addressed to me dated August 22, 1978. We consider the five points of your letter reasonable and environmentally sound. The following are responses to your five areas of concern:

1. Plans and specifications will be developed by our staff regarding vegetative cover and cover material in accordance with the Delaware Solid Waste Regulations. As each landfill closes, a contract shall be issued and awarded. This contract will include the placement of vegetative cover and will verify that the final cover over the landfill cells is a minimum of two feet.
2. Gas monitoring wells and a gas venting system shall not be required unless the groundwater quality monitoring wells indicate the need for them.
3. Five or more groundwater quality monitoring wells shall be placed at each landfill by our consultants, Weston, Inc.

AR200487

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P O BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

December 14, 1978

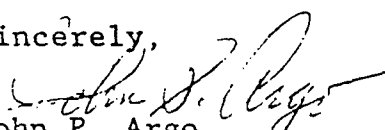
Mr. Wayne D. Hudson, President
Hudson Transfer & Construction Company
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILLS #4, #5, & #6, ACCESS ROADWAYS

Dear Mr. Hudson:

Article Four, Section: 4.06.16 Access Roadway: states; The Contractor shall provide, erect, install and maintain, subject to the approval of the County Engineer, an all weather access roadway from the surfaced access roadway, provided by others, to the work area on the Landfill site. The usable access roadway shall be a minimum width of twenty (20) feet. No bumps, holes, or grades over ten percent (10%) shall be permitted. The Contractor shall maintain the all-weather access roadway so that it is passable for all types of vehicular travel that use the Landfill site during the hours that the Landfill site is open for business. The Contractor shall maintain the all-weather access road from the end of the surfaced access road to the work area free of broken glass, metals and any other materials which may be hazardous to the operation of private and collection vehicles using the site. Any and all cost incurred for such maintenance shall be paid for by the contractor. It has been observed in the past few days that there has been some vehicles that could not make it into the above mentioned Landfills. Please take corrective measures to assure that all persons, that may like to make use of the Landfills that their tax money provides for them to make use of, can do so.

Sincerely,

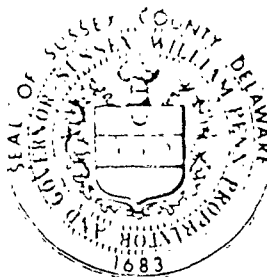

John P. Argo
Landfill Supervisor

hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth

AR200488

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County

COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302.856-7701
EXT. 335

January 29, 1979

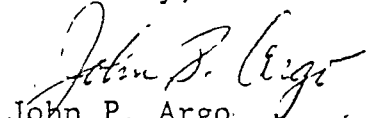
Mr. Wayne D. Hudson
Hudson Transfer & Const. Company
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILLS #4, #5, #6, A DAYS PAY FOR A DAYS WORK

Dear Mr. Hudson:

Your signed contracts with the Sussex County Council for work to be performed at Landfills #4, #5, & #6, states, under Article 4.06.21 Character of Workmen and Equipment, Page 5-10. "The Contractor shall employ only competent and efficient laborers, mechanics, or artisans, and shall have them at the Landfill site at all times the Landfill site is open for business." Effective as of the date you signed each contract and henceforth a days pay will be deducted from your monthly invoices for days or fraction of days in which no work was performed. This will be for the Landfill site you bill the County for work performed, and there was a day or days in said month that there was no work performed during open hours of said Landfill. This deduction will be based on the amount of working days in a given period at the rate per day for a said period of the monthly billing requested. Should you have any questions on this matter contact me at 856-7701 ext. 336.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

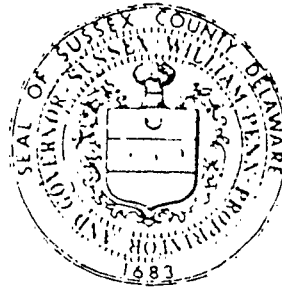
hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth ✓
Mr. George F. Purpur

AR200489

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

P.O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT. 330

February 5, 1979

Mr. Wayne D. Hudson
President
Hudson Transfer & Construction
Company
Post Office Box 187
Milton, DE 19968

RE: SUSSEX COUNTY LANDFILL NOS. 4, 5 and 6.
A DAYS PAY FOR A DAYS WORK LETTER DATED 1/29/79

Dear Wayne:

As we discussed today, I am requesting the Sussex County Finance Director to reimburse your firm in the amounts of \$224.00 (L#4) and \$416.00 (L#5). These amounts were previously deducted from your landfill payments.

The reason for these reimbursements is that you were not notified on the dates your employees were absent. However, from this date forward, if one of your employees does not report for work at the landfills, you will be contacted by either Mr. John Argo or me so that you may have the opportunity to get someone to the landfill. Should you not comply with our request and if you can offer no good reason for not having someone at the landfill, we will deduct a day's pay from your next payment.

Should you have any questions, please call at your convenience.

Sincerely,

Phillip J. Ellingsworth

cat

cc: Mr. Joseph T. Conaway
Mr. George F. Purpur, Jr.
Mr. John P. Argo

AR200490

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P O BOX 589
GEORGETOWN DELAWARE
302,856-7701
EXT 335

//

June 15, 1979

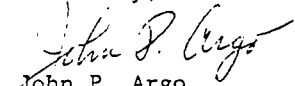
Mr. Wayne D. Hudson, President
Hudson Transfer & Const. Co., Inc.
P.O. Box 187
Milton, Delaware 19968

RE: LANDFILL #5 FINAL COVER
TO FIRST OF APRIL

Dear Mr. Hudson:

Upon inspection of the area covered under the old contract I found some areas to have insufficient cover and a area that did have sufficient cover. A plot of the area is enclosed showing the depths of cover.

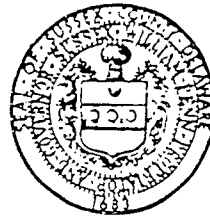
Sincerely,


John P. Argo
Landfill Supervisor

hw

Enclosure

AR200491



October 1, 1979

Mr. Kenenth R. Weiss
Resources Engineer
State of Delaware
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Post Office Box 1401
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILLS

Dear Mr. Weiss:

In your letter dated 30 June 1979 to Mr. Raymond Brotherton, the State of Delaware Department of Natural Resources and Environmental Control officials required the County to include various items in the ground water monitoring report. We feel that the sampling and analysis program recommended by the State is a very detailed and expensive one. In this early stage of landfill monitoring, we do not think that we should go in for that detailed analysis. Moreover, there are no suspected or reported dumping of pesticides in any of these landfills to warrant the extensive analysis for pesticides at this time. The fact that all of these landfills are surrounded by farmlands also should be considered when thinking of pesticide analysis.

At present we have only a very generalized sampling system in these landfills. Therefore, we would prefer a step-by-step approach for sampling and analysis.

As Step No. 1, we propose to conduct a generalized sampling and analysis. In this step we would prefer sampling and analysis for a key indicator group as opposed to all the parameters for all the wells as mentioned in the letter from the DNREC. The proposed key indicator group includes TOC, COD, specific conductance, pH, chloride, ammonia-nitrogen, iron, manganese and total dissolved solids. The analysis of these highly sensitive and analytical parameters can be performed accurately at a relatively reasonable cost. The results of this analysis will indicate the presence or absence of leachate and will provide information regarding inorganic and organic constituents of the ground water sample. Data obtained from the key indicator analyses have value in and of themselves. In addition, the data obtained from several indicator analyses can be cross-correlated and interpreted so that even more insight can be gained about the nature of the contamination. Additional analyses will be performed to provide more positive verification of contamination

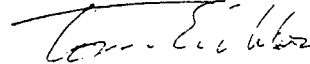
AR200492

Mr. Joseph T. Conaway
September 21, 1979
Page Two

We will be contacting you and the Delaware Solid Waste Authority in the near future to arrange a meeting to discuss the above.

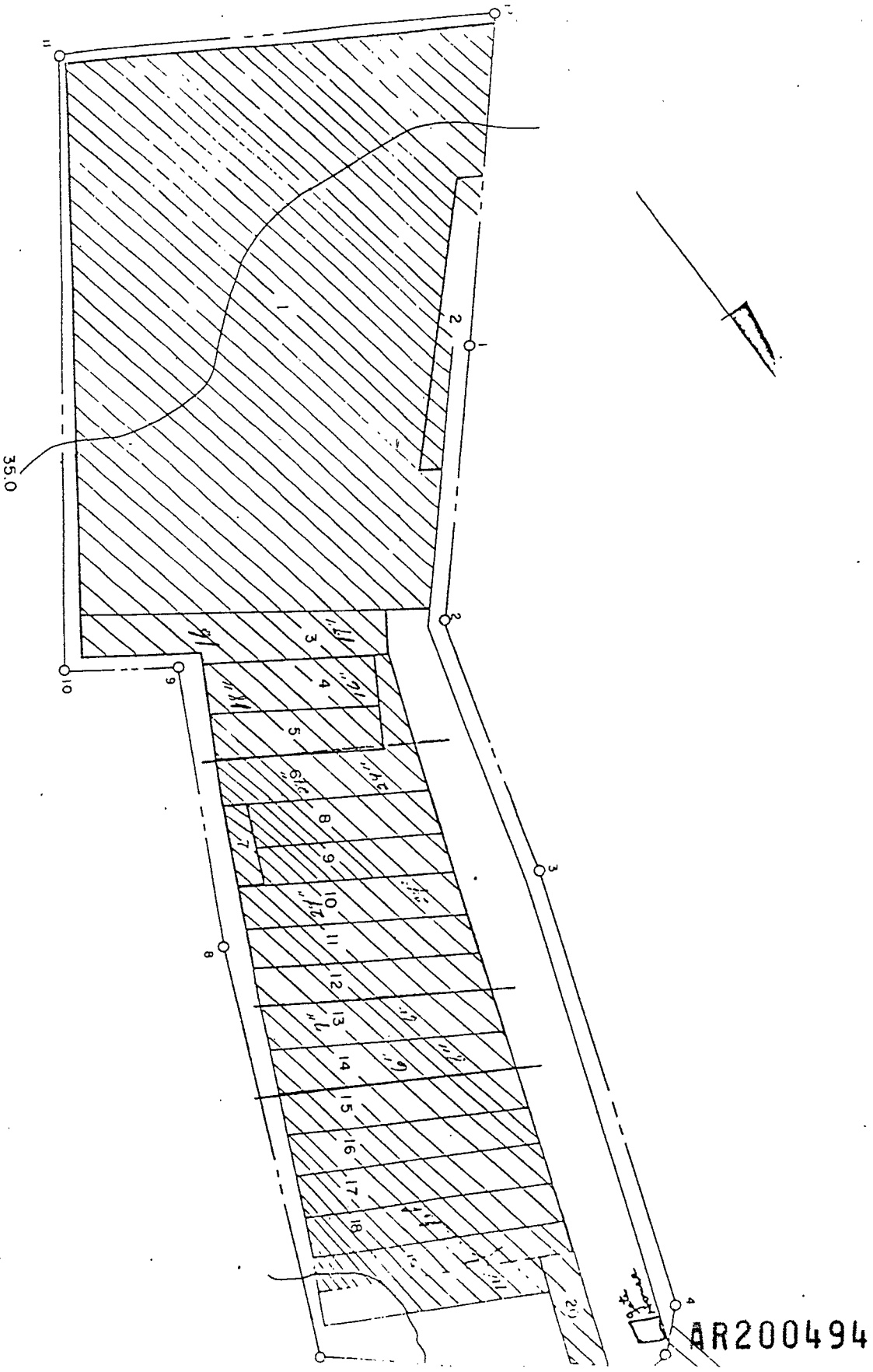
If we can be of further assistance in this matter, please contact this office.

Very truly yours,



Thomas P. Eichler
Director

AR200493

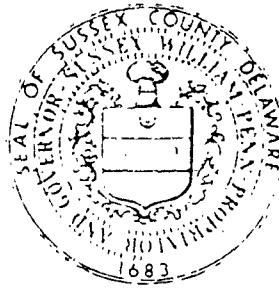


CO. P. 11

AR200494

PHILLIP J. ELLINGSWORTH

ADMINISTRATIVE ASSISTANT
COUNTY ADMINISTRATOR



Sussex County

P O. BOX 589
GEORGETOWN, DELAWARE
302-856-7701
EXT 330

July 2, 1979

Mr. Kenneth R. Weiss
Resources Engineer
State of Delaware
Department of Natural Resources
& Environmental Control
Division of Environmental Control
Post Office Box 1401
Dover, DE 19901

RE: SUSSEX COUNTY CONTRACT NO. TR5-79

Dear Ken:

I am writing to request your assistance on the above referenced project. Would you please assist us in having the permit requested by Mr. John Argo, Sussex County Landfill Supervisor, in his letter of June 27, 1979 handled as a top priority item?

We are forced to advertise for bids on this transfer station at Landfill No. 5 since this Landfill will have reached its capacity as of August 11, 1979.

Your assistance on this matter will be greatly appreciated.

Sincerely,

Phillip J. Ellingsworth

cat

cc: ~~Mr.~~ John P. Argo

AR200495



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P. O. BOX 1401
DOVER, DELAWARE 19901

//

TELEPHONE (302) 678-4761

July 2, 1979

Permit: SW-79/09
Laurel Transfer Station
Laurel, Delaware

Mr. John Argo
Sussex County
P. O. Box 589
Georgetown, Delaware 19947

Dear Mr. Argo:

Pursuant to the provisions of the Delaware Solid Waste Disposal Regulation, Section 3.06 (a), a permit is hereby granted to Sussex County to construct and operate a solid waste transfer station at Laurel, Delaware. The transfer station shall be operated in accordance with your permit application dated May 30, 1979.

This permit is issued subject to the following conditions:

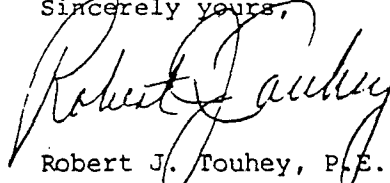
1. The operation shall be conducted in accordance with the information submitted in the permit application and provisions of the Delaware Solid Waste Disposal Regulation. Closure of the Laurel landfill shall be in compliance with the Delaware Solid Waste Disposal Regulations.
2. Solid waste collected at the transfer station shall be transported to the Bridgeville Landfill.
3. Representatives of the Department of Natural Resources and Environmental Control may, at any reasonable time, inspect this operation and facility.
4. This permit shall expire in one year, subject to renewal. Within ninety (90) days from the expiration date of this permit, the permittee shall notify the Department on plans for renewal.

AR200496

Permit: SW-79/09
Laurel Transfer Station
Page Two

5. A copy of this permit shall be available at the facility at all times.
6. This permit shall be revoked upon violation of any of the preceding conditions or provisions of the Delaware Solid Waste Disposal Regulation.

Sincerely yours,



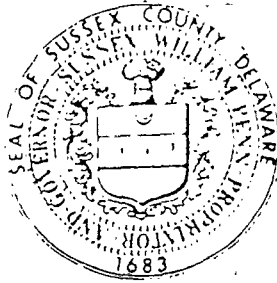
Robert J. Touhey, P.E.
Manager

RJT:KRW:ltg

cc: Mr. Thomas P. Eichler, Director
Mr. Kenneth R. Weiss
Mr. Phil Ellingsworth

AR200497

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

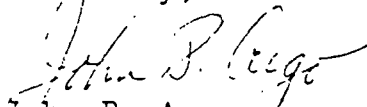
June 27, 1979

Mr. Ken Weiss
Project Engineer
Del. Department of Natural Resources
and Environmental Control
Office of Solid Waste
Dover, Delaware 19901

Dear Mr. Weiss:

The Sussex County Council would like to formally apply for a permit to operate a Transfer Station at the present site at Landfill #5, Laurel, Delaware. Your attention on this matter would be appreciated, because we anticipate letting out the bid on this project, July 24, 1979 and for the Transfer Station to become a reality August 13, 1979. Thank you.

Sincerely,

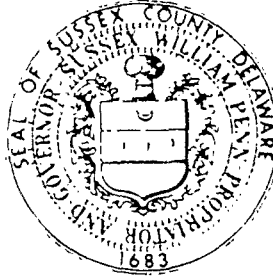

John P. Argo
Landfill Supervisor
Sussex County

hw

cc: Mr. Joseph T. Conaway
Mr. Phillip J. Ellingsworth

AR200498

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County

COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302 856-7701
EXT 335

MEMORANDUM:

TO: USERS OF TRANSFER STATION
FROM: Mr. John P. Argo *J.P.A.*
Landfill Supervisor
RE: ACCEPTABLE AND UNACCEPTABLE MATERIAL
DATE: July 27, 1979

ACCEPTABLE MATERIALS AS OF AUGUST 13, 1979:

Household garbage only
Newspapers and magazines

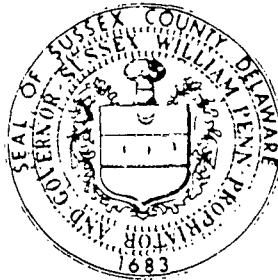
UNACCEPTABLE MATERIALS TO BE TAKEN TO THE BRIDGEVILLE LANDFILL:

Tires of all kinds-	car, truck, tractor, etc.
Land clearing-	leaves, grass, brush, limbs, plant trimmings, tree trunks, stumps, etc.
Demolition wastes-	all types
Construction wastes-	all types
Bulky wastes-	refrigerators, washers, dryers, stoves water tanks, earth, rocks, broken masonry, concrete, car seats, car parts, gas tanks, chemical containers, mattress or box springs, metals of any description.
Animals and fowl-	all kinds and types, unacceptable at all Landfills

hw

AR200499

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County

COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

MEMORANDUM:

TO: USERS OF TRANSFER STATION

FROM: Mr. John P. Argo *J.P.A.*
Landfill Supervisor

RE: ACCEPTABLE AND UNACCEPTABLE MATERIALS

DATE: September 1, 1979

ACCEPTABLE MATERIALS AS OF SEPTEMBER 1, 1979

Household garbage

Newspapers and magazines to be placed as directed by attendant.

ACCEPTABLE BULKY MATERIALS TO BE PLACED AS DIRECTED BY ATTENDANT
INTO CONTAINER FOR BULKY ITEMS.

Tires -	only 4 per load
Leaves & grass	
Brush & limbs-	only must be cut to 2 foot lengths
Demolition waste-	only 4 foot lengths no wider than 12 inches or smaller
Construction waste-	only 4 foot lengths no wider than 12 inches or smaller
Refrigerators, washers, dryers, stoves, water tanks, mattresses or box springs	
Metals of and description-	all materials must be placed in container by the hauler at haulers own risk

UNACCEPTABLE MATERIALS TO BE TAKEN TO THE BRIDGEVILLE LANDFILL

Land clearing -	tree trunks, stumps, earth, etc.
Demoliton waste-	larger than 4 foot lengths and wider than 12 inches
Construction waste-	larger than 4 foot lengths and wider than 12 inches
Animals and fowl-	unacceptable at all Tranfer Stations and Landfills

hw

AR200500

Delaware Solid Waste Authority

P. O. BOX 981
DOVER, DELAWARE 19901

N. C. Vatsuki, P. E.
General Manager

Telephone:
(302-678-5351)

September 7, 1979

Mr. Joseph Conaway
Sussex County Administrator
Sussex County Court House
Georgetown, Delaware 19947

Dear Mr. Conaway:

Mr. Jennings, Mr. McCabe, and I appreciated the opportunity to meet with you and discuss solid waste disposal practices in Sussex County.

It is my understanding that the County has already closed Landfill #5 and converted that site to a collection station. You also informed us that Landfill #3 (Angola) and Landfill #6 (Omar) will be closed within the next twelve (12) months. Therefore, the County will continue to operate three (3) landfills at Andersons Corner, Millsboro, and Bridgeville.

We informed you about our study of potential for converting waste to energy in Kent and Sussex Counties. CSI, Inc., our consultants, will be expected to initiate the study in October, 1979. The results of the study will indicate whether a single waste to energy recovery project serving both counties will be economically and technically feasible. In this regard, we would appreciate any cooperation you and your staff can give us in identifying potential steam users. Your Industrial Development Group may find such a facility beneficial in attracting new industry.

If the study indicates that waste to energy conversion is not economically viable at this time, then the Authority will select a landfill site in Sussex County to serve Sussex County's long term needs. The Authority would own and operate such a landfill with the understanding that Sussex County would continue to operate collection stations for domestic solid waste. Sussex County has the powers to form collection districts to serve those residents who request such service. The Authority would dispose the solid waste and charge the County directly for the disposal costs. Commercial collectors would be billed directly by the Authority.

Regarding sludge disposal, you indicated that the County is currently disposing the sludge on land and that the County may benefit from the Authority's experience in this area. I offered to meet with Mr. McKee, the County Engineer, to discuss ways and means by which the Authority could assist the County in long term sludge disposal.

Printed on Recycled Paper

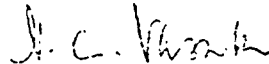
AR200501

Mr. Joseph Conaway
September 7, 1979
Page Two

The proposed Sussex County Solid Waste Management Plan was also discussed at the meeting and we referred you to our letter dated May 10, 1979, which advised Mr. Benson, President of County Council, that the Authority's Board approved the Sussex County Solid Waste Management Plan. It is my understanding that a public hearing has been held and that you would recommend to the Council that they adopt the plan. We also agreed that you could cite our Administrative Agreement dated August 16, 1977 as a basis for adopting the plan and recognize the study to investigate the feasibility of waste conversion to energy.

If I can be of assistance to you or the County Council in matters affecting solid waste disposal, please call me.

Sincerely yours,

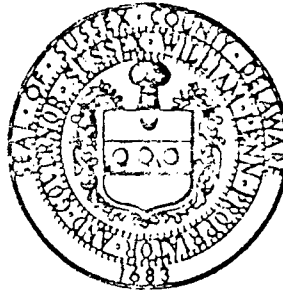


N. C. Vasuki
General Manager

cc: Solid Waste Authority Directors
Mr. F. Michael Parkowski
Mr. Thomas Eichler

AR200502

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County
COURTHOUSE
GEORGETOWN, DELAWARE 19
302-856-7701

NSW

September 21, 1979

Mr. N. C. Vasuki
General Manager
Delaware Solid Waste Authority
P. O. Box 981
Dover, Delaware 19901

Dear Mr. Vasuki:

Thank you very much for your letter of September 7, 1979. I have already spoken to Mr. Bob Bernard, Director of Economic Development for Sussex County, and Mr. Fred McKee, Sussex County Engineer, relevant to your proposals. They look forward to working with the Delaware Solid Waste Authority in the two areas mentioned. On September 18, 1979, at its regularly scheduled meeting, the Sussex County Council unanimously approved the Sussex County Solid Waste Management Plan as prepared by Weston Associates. The public hearing concerning this plan was held on ~~June 28, 1979~~. Very little comment was made by the public at this hearing. One point that was brought up was the use of the trash collected in Sussex County as a fuel for industry. Although the plan does speak to this type of operation, it does not recommend that we do it because of the economics of the situation. We were very pleased, however, to see that the Delaware Solid Waste Authority is studying that possibility and we are hopeful that your study indicates that such a use of the trash can be made. There were no amendments, revisions, or corrections to the plan as presented.

Thank you for your continued cooperation. I look forward to working with you on resolving the solid waste problems of Sussex County.

Yours truly,

Joseph T. Conaway
County Administrator

JTC/sww

cc: Mr. John P. Argo
Mr. Robert C. Bernard
Mr. Fred M. McKee
✓ Mr. Rodney L. Wyatt

AR200503



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF ENVIRONMENTAL CONTROL
 500 STATE HOUSE BUILDING
 DOVER, DELAWARE 19901

OFFICE OF THE
 DIRECTOR

PERMITS SECTION 678

September 23, 1979

Mr. Joseph T. Conaway
 County Administrator
 Sussex County
 Courthouse
 Georgetown, Delaware 19947

Dear Mr. Conaway:

This letter is in response to your correspondence of August 20, 1979 concerning steps planned by Sussex County to bring landfilling operations into compliance with state regulations.

Dr. Harry W. Otto of our Technical Services Section will be available to you to offer assistance in regard to your negotiations with consultants to conduct laboratory analyses of groundwater samples. As stated in previous correspondence, the results of the groundwater monitoring program are iterative to determine the impact of past disposal practices.

In addition, we propose that a meeting be scheduled between [redacted], the Department of Natural Resources and Environmental Control, and the Delaware Solid Waste Authority to discuss solid waste planning activities. We are interested in discussing the following items:

1. The agenda should include Sussex County's plans for landfill closure in the near future. The plan should consider the timing for closure and method of closure including monitoring and clean-up.
2. At facilities where solid waste disposal will continue permits must be obtained and the operation must comply with the Department's regulations. The Delaware Solid Waste Disposal Regulation requires installation of a liner, leachate collection system, and leachate treatment system except for completed landfill sections.
3. A discussion of the status of the Delaware Solid Waste Authority's plans to conduct a joint energy recovery study for Kent and Sussex Counties.
4. A discussion of reuse of completed landfills facilities, such as agricultural operations.

AR200504

Mr. Kenneth R. Weiss
October 1, 1979
Page 2

which has been indicated by the key indicator analyses group. We see this as a second step to be approached conservatively from both a technical and cost standpoint.

Our recommended step-by-step approach in sampling and analysis program will allow the County to meet the objectives of monitoring at a comparatively reasonable cost. This will also give us the preliminary data necessary to assess the impact of past disposal practices at Sussex County landfills. Based on the nature of contamination indicated by the data generated, we will provide you a proposal for assessing the present and future impact and to determine short- and long-term corrective actions.

Please let us know if this sampling and analysis program is acceptable so that we may conclude our ground water monitoring report.

Thank you very much for your cooperation.

Sincerely,

PUBLIC WORKS & SPECIAL SERVICES

Rodney L. Wyatt
Rodney L. Wyatt
Public Works Engineer

cat

cc: Mr. Joseph T. Conaway
Mr. Abraham Thomas, P.G.

AR200505

Meeting with [unclear] & [unclear]

[unclear]
[unclear]
[unclear]

[unclear]
[unclear]
KEN WICK

[unclear]

- timing
- methods

5 years
monitor
site [unclear]

[unclear]

- [unclear]
- [unclear]

[unclear]

6 in [unclear] - to [unclear]

5 by [unclear] - to [unclear]

[unclear]

[unclear]

[unclear]

2- estimate of the ...
a ...

3- Review of completed ...
Council as ...

- 11: ... - permits that tell ...
what to do (testing) - ...
is restrictive for regulations.

top of ... should ...
...
... create a water ...

~~SECRET~~

It is my intention to purchase
the following equipment

to meet the requirements of all
units in the area
Performed this Oct. 30, 1979

AR200508



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION

EDWARD TATNALL BUILDING
PO BOX 1401
DOVER DELAWARE 19901

TELEPHONE (302) 678-4761

November 9, 1979

Mr. Rodney L. Wyatt
Public Works Engineer
Sussex County
Courthouse
Georgetown, Delaware 19947

Dear Mr. Wyatt:

Enclosed are application forms for permits for the six Sussex County landfills. We request that you complete and submit them to the Department. Also, we have enclosed a copy of the Delaware Solid Waste Disposal Regulation.

If we can be of further assistance in this matter, please contact this office.

Very truly yours,

Kenneth R. Weiss

Kenneth R. Weiss
Resources Engineer
Solid Waste Management Section

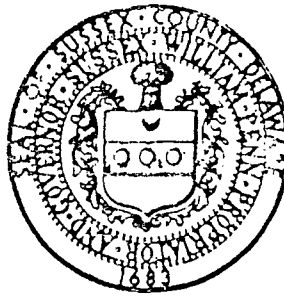
Enclosure

KRW:ltg

cc: Mr. Thomas P. Eichler
Mr. Robert J. Touhey
Mr. Joseph T. Conaway

AR200509

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County
COURTHOUSE
GEORGETOWN, DELAWARE 19941
302 856-7701

October 30, 1979

Mr. Thomas P. Eichler
Director
State of Delaware
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Edward Tatnall Building
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILLS

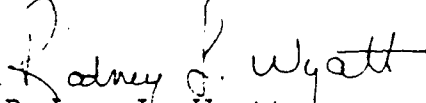
Dear Mr. Eichler:

The Sussex County Council hereby requests permits for our six (6) County landfills for use after closure. We would appreciate your inclusion of all Department rules and regulations governing this use.

Thank you for your cooperation with this request.

Sincerely,

PUBLIC WORKS & SPECIAL SERVICES


Rodney L. Wyatt
Public Works Engineer

cat

cc: Mr. Joseph T. Conaway
Mr. John P. Argo

AR200510

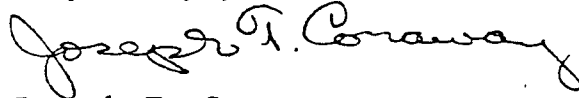
Dr. Edward A. Sienicki
November 8, 1978
Page 2

4. Our study of future plans regarding the Sussex County landfill system must be approved by the Sussex County Council and the Delaware Solid Waste Authority. Approval should be received by mid-November. The plan must then go to public hearing prior to acceptance.
5. Weston, Inc. shall prepare a schedule of events and forward it to the Division of Environmental Control to insure that these closures will be compliant with the Division's regulations and, thereby, new permits can be issued.

At present, the Angola Landfill and the Laurel Landfill are near capacity. Both landfills are predicted to close within one year. We realize time is of the essence at these landfills. Our immediate plan is to make the Angola and Laurel areas into transfer stations. This will be easily adopted to the Weston Solid Waste Plan. We shall need information and coordination with your office in obtaining permits for these future transfer stations.

Your help in this matter will be greatly appreciated. If you have any questions, please feel free to contact me.

Very truly yours,

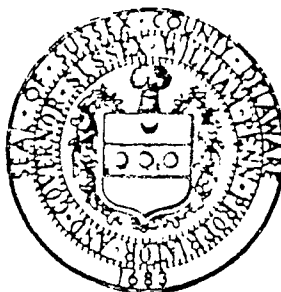


Joseph T. Conaway
County Administrator

wlh

cc: Mr. Robert J. Touhey
Dr. T. Lee Go
✓ Mr. Raymond F. Brotherton

AR200511



November 19, 1979

Mr. Kenneth R. Weiss
Resources Engineer
Solid Waste Management Section
State of Delaware
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Water Resources Section
Post Office Box 1401
Dover, DE 19901

RE: SUSSEX COUNTY LANDFILLS

Dear Ken:

As requested in our letter of October 30, 1979, the Sussex County Council hereby requests permits for our six (6) landfills for use after closure for agricultural purposes, etc. We would appreciate your inclusion of all Department rules and regulations governing such uses.

Thank you.

Sincerely,

PUBLIC WORKS & SPECIAL SERVICES

Rodney L. Wyatt
Rodney L. Wyatt
Public Works Engineer

cat

cc: Mr. Thomas P. Eichler
Mr. Robert J. Touhey
Mr. Joseph T. Conaway
Mr. John P. Argo

AR200512



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
PO BOX 1401
DOVER, DELAWARE 19901

TELEPHONE (302) 678-4761

December 12, 1979

Mr. Joseph T. Conaway
County Administrator
Sussex County Courthouse
Georgetown, DE 19947

RE: Sussex County Landfills

Dear Mr. Conaway:

Recent correspondence and discussion with Mr. Rodney Wyatt of your staff reflect a difference of opinion over the outcome of our October 29, 1979 meeting on the Sussex County Landfills. My purpose in writing this letter is to summarize the Division's understanding of the meeting so we may proceed with the issuance of the approvals you seek.

First, it was your position that Sussex County did not need permits from the Department for the six Sussex County Landfills, as the original permits issued under the Sanitary Code were still in effect, and since they did not contain expiration dates. It was our position that passage of the Delaware Environmental Protection Act and the Delaware Solid Waste Disposal Regulation in 1974 rendered those permits issued under the Sanitary Code void and required that new permits be obtained from the Department. It was our understanding that Sussex County would make application for permits for both the landfills and the transfer stations as the landfills were closed with the following understanding.

The County would make application for permits for the landfills. Consideration of whether installation of leachate collection and treatment systems would be required would depend on the outcome of the Delaware Solid Waste Authority's Resource Recovery Plan for Kent and Sussex Counties, which is due in one year, and the results of samples from the groundwater monitoring system at each landfill.

Where transfer stations are concerned and/or re-use of the landfill site is being considered, a commitment must be made to continue monitoring and provide abatement where groundwater contamination from leachate is found.

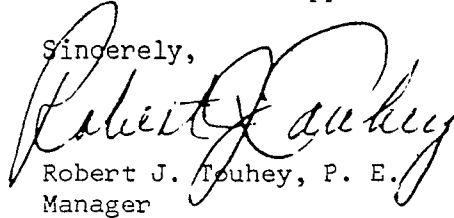
AR200513

Mr. Joseph T. Conaway
December 12, 1979
Page Two

We have also requested that Mr. Otis Fincher, State Soil Conservationist, provide us with assistance in identifying permissible agricultural uses for old landfill sites. We expect to hear from Mr. Fincher by mid-December on his findings, and hopefully address the question of agricultural re-use at that time.

Your review and reply to these comments will be appreciated.

Sincerely,



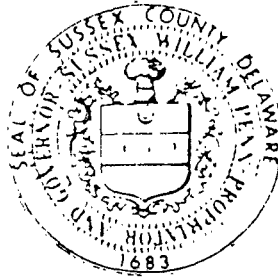
Robert J. Touhey, P. E.
Manager

RJT:clr

cc: Thomas P. Eichler

AR200514

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County

COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302 856-7701
EXT. 335

May 9, 1980

Mr. Ken Weiss
Project Engineer
Delaware Department of Natural Resources
and Environmental Control
Office of Solid Waste
Dover, Delaware 19901

Dear Mr. Weiss:

The Sussex County Council request a permit renewal for Transfer Station #5 at Laurel, Delaware.

If you any questions, please contact me at 856-7701 ext. 336.

Sincerely,

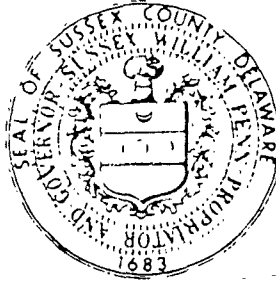
John P. Argo
Landfill Supervisor
Sussex County

hw

cc: Mr. Joseph T. Conaway
Mr. Rodney Wyatt
Mr. Robert J. Touhey

AR200515

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
PO BOX 589
GEORGETOWN DELAWARE
302/856-7701
EXT 335

//

June 25, 1980

Mr. William Dean Roe
Eastern Disposal, Inc.
Post Office Box 1915
Salisbury, Maryland 21801

RE: SUSSEX COUNTY TRANSFER STIE #5

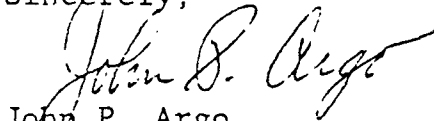
Dear Sir:

In accordance with Article 5.01.02 of an agreement for the operation and maintenance of Sussex County Transfer Station #5, Laurel, Delaware, between the Sussex County Council and Eastern Disposal, Inc., representatives of the Sussex County Council visited the specified site the day of June 24, 1980.

It was observed that Section "O" of Exhibit "C" on page C-2, which states, "Contractor shall keep transfer station free of litter, trash, and odor at all times was in violation, also Article four, Sections 4.06.03 and 4.06.04, page 5-7, and Section 4.06.06, page 5-8, needs your immediate attention.

Corrective measures for the above conditions must be taken immediately.

Sincerely,


John P. Argo
Landfill Supervisor

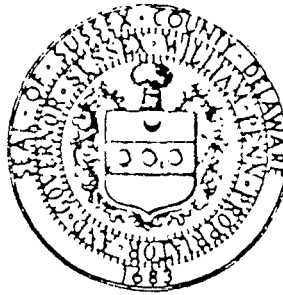
hw

cc: Mr. Joseph T. Conaway
Mr. Rodney L. Wyatt

File

AR200516

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County
COURTHOUSE
GEORGETOWN DELAWARE 198
302 856 7701

August 5, 1980

Mr. Kenneth R. Weiss
Resources Engineer
State of Delaware
Department of Natural Resources
and Environmental Control
Post Office Box 1401
Dover, Delaware 19901

REF: SUSSEX COUNTY CONTRACT NO. TR5-79
PERMIT RENEWAL

Dear Mr. Weiss:


On May 9, 1980, Mr. John P. Argo, Sussex County Landfill Supervisor, sent a letter on behalf of the Sussex County Council, to your office requesting a permit renewal for Transfer Station No. 5 at Laurel, Delaware.

As of to date, we have not received a positive or negative response to this request and have been operating without a permit since July 2, 1980.

The County would hope a positive response is forthcoming. However, if some problems exist, please call.

Sincerely,

PUBLIC WORKS AND SPECIAL SERVICES


Rodney L. Wyatt
Chief of Public Works and Special Services

cc: Mr. Joseph T. Conaway
Mr. John P. Argo -
Mr. Robert J. Touhey

RLW:bf

AR200517



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
PO BOX 1401
DOVER, DELAWARE 19901

TELEPHONE (302) 736.4761

August 28, 1980

Permit: SW-80/10 (Renewal of SW-79/09)
Laurel Transfer Station
Laurel, Delaware

Mr. Rodney Wyatt
Sussex County
P. O. Box 489
Georgetown, Delaware 19947

Dear Mr. Wyatt:

Pursuant to the provisions of the Delaware Solid Waste Disposal Regulation, Section 3.06 (a), a permit is hereby granted to Sussex County to operate a solid waste transfer station at Laurel, Delaware. The transfer station shall be operated in accordance with the permit application dated May 30, 1979, the request for renewal dated May 9, 1980, and the ground-water monitoring results dated June 23, 1980.

This permit is issued subject to the following conditions:

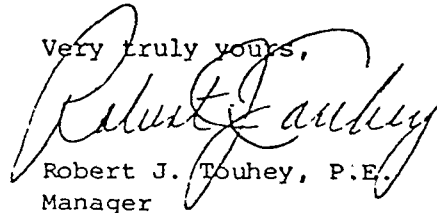
1. The operation shall be conducted in accordance with the information submitted in the permit application and provisions of the Delaware Solid Waste Disposal Regulation.
2. Closure of the Laurel Landfill shall be in compliance with Section 6.03 (h) of the Delaware Solid Waste Disposal Regulation. Within sixty (60) days from the date of this permit, you shall submit to the Department closure plans for the Laurel Landfill. The closure plans shall address the following requirements:
 - a. Providing complete vegetation on the inactive landfill,
 - b. The identification of the parties to be responsible for the closure and for the clean-up of any environmental problem created by the landfill, and
 - c. Sampling of irrigation and domestic wells near the landfill to determine the impact of potential ground-water contamination being generated at the closed landfill. The sampling program is necessary based on a review of the hydrogeologic report submitted by Sussex County on June 23, 1980. The sampling program shall consider the potential draw down of monitoring wells when the irrigation wells are being pumped; as recommended on page 10-6 of the hydrogeologic report.

AR200518

The plans shall also include specific dates when tasks a, b, and c above will be completed.

3. Quarterly, you shall sample ground-water monitoring wells LS-1, LS-2, LS-3, LS-4, and LD-1 for COD, TDS, pH, NH₃-N, TOC, Fe, Mn, Cl, and Specific Conductance. Prior to analysis, the samples shall be filtered through a 0.45 micron pore size filter. You shall also measure the depth to water in each ground-water monitoring well. You shall notify the Department within thirty (30) days prior to the sampling of the monitoring wells for the purpose of split-sampling with the Department. Within sixty (60) days after the sampling date, you shall submit the results to the Department. The ground-water monitoring system shall be maintained for a minimum of five (5) years from the date of closure.
4. Harvestable or cultivated crops shall not be used as a vegetative cover at the inactive landfill site at any time.
5. Should a complete vegetative cover fail to minimize the generation of leachate, you shall submit plans to cover the landfill with a less permeable cover than sand.
6. Solid waste collected at the transfer station shall be transported to the Bridgeville Landfill.
7. Representatives of the Department of Natural Resources and Environmental Control may, at any reasonable time, inspect this operation and facility.
8. This permit shall expire in one year, subject to renewal. Within ninety (90) days from the expiration date of this permit, the permittee shall notify the Department on plans for renewal.
9. A copy of this permit shall be available at the facility at all times.
10. This permit shall be revoked upon violation of any of the preceding conditions or provisions of the Delaware Solid Waste Disposal Regulation.

Very truly yours,


Robert J. Touhey, P.E.
Manager

RJT:KRW:LAH:ltg

cc: Mr. Thomas P. Eichler
Mr. Kenneth R. Weiss
Ms. Lisa A. Hamilton
Mr. John Argo —

AR200519



9, 11

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
PO BOX 1401
DOVER DELAWARE 19901

TELEPHONE (302) 678 4761

July 31, 1981

Mr. Rodney Wyatt
Sussex County Engineers
Courthouse
Georgetown, DE 19947

Dear Mr. ~~Wyatt~~: *Rod*

The Department of Natural Resources and Environmental Control is writing a contingency plan in conjunction with the Department of Agriculture concerning emergency procedures that will be followed if an outbreak of Velagenic Viscerotropic New Castle Disease should occur in Sussex County.

As previously discussed through a phone conversation with you on July 28, 1981, the Department of Natural Resources and Environmental Control would like to receive permission from the Sussex County Council to utilize the existing landfills as an alternative solution for the disposal of diseased birds, which have been affected by the New Castle Disease, and a designated representative who could be contacted during such an emergency. Once the affected birds are buried, the disease dies within 24 hours of burial.

The main intent of the contingency plan is to immediately stop the disease from spreading, and the 'ideal' disposal method would be to bury the diseased birds on site. If this potentially risks a community's drinking water supply, then alternative methods or areas will be evaluated during the time of the emergency.

The county landfills would only be called upon in an extreme emergency of an outbreak of the New Castle Disease, when all alternate solutions have been expended, trying to protect public health, the poultry industry, and environmental concerns.

If you have any questions concerning this matter, please contact Mr. Kenneth R. Weiss at 736-4781.

Very truly yours,

Garrett H. Arai
Resources Control Specialist

GHA:jw

cc Thomas P. Eichler

Robert J. Touhey

Kenneth R. Weiss

AR200520



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF ENVIRONMENTAL CONTROL
 EDWARD TATNALL BUILDING
 DOVER, DELAWARE 19901

//

OFFICE OF THE
 DIRECTOR

TELEPHONE (302) 736-4785

August 21, 1981

Mr. Joseph T. Conaway
 County Administrator
 Sussex County
 Courthouse
 Georgetown, Delaware 19947

Dear Mr. Conaway:

We have been reviewing comprehensively the correspondence between your office and DNREC, regarding the disposal practices at the six Sussex County landfills. The County had submitted basic permit applications for all six landfills in 1977, and despite repeated requests by the Department for further information you have still not been able to provide us with sufficient information to comply with our regulatory requirements. You should now expedite the process of ensuring compliance with the DSWDR at all active and inactive sites.

At this juncture, we would like to propose a meeting between the Department and Sussex County to discuss the status of these applications and any additional requirements of the Solid Waste Disposal Regulations.

In particular, our concerns are regarding:

- a) adequate closure/post-closure plans for the three inactive sites at Angola, Omar and Laurel
- b) constructive planning for the development of a centralized landfill, in Sussex County, including an anticipated time schedule for its commencement
- c) expected lives of the three active sites at Bridgeville, Millsboro, and Anderson's Crossroads, ensuring compliance with regulations as required by the Department.

In order to discuss the above matters and to conduct a combined on-site inspection of a few of the Sussex County landfills, we will be contacting your office within the next week to arrange for suitable dates and times.

If you should have any questions regarding this matter, please call Mr. Ken Weiss at 736-4781.

Very truly yours,

for Robert J. Fichler
 Thomas P. Fichler
 Director

cc: John E. Wilson, III

AR200521

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE (302) 678-4761

November 5, 1981

Mr. Robert F. Molzahn
Delmarva Power & Light Company
800 King Street
P. O. Box 231
Wilmington, Delaware 19899

Dear Mr. Molzahn:

This letter is in regard to your correspondence concerning the disposal of oil spill debris and any such waste that may be contaminated with PCB material.

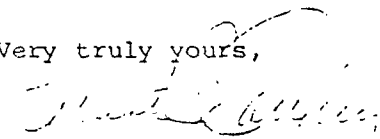
After review of this correspondence and contact with the Delaware Solid Waste Authority, we find that in the event that you have an oil spill, the debris may be disposed at one of the landfills operated by the Solid Waste Authority if you obtain the Department approval prior to disposal. We will need to know if any PCB's have been included in the spill material and review any related lab analysis. Also, information on the types of materials to be disposed shall be provided to the Department.

Regarding the disposal of any oil spill debris in Sussex County, since these landfills are unlined, you shall not dispose of waste oil at the Sussex County landfills.

In addition, we have received a request from your waste hauler to move these wastes to one of the landfills or to dispose of PCB materials out-of-state. Prior to issuance of a waste transporting permit, this section will require a letter of authorization and acceptance from the out-of-state disposal firm accepting the PCB materials. The waste hauler's permit will clearly outline the procedure we plan to follow.

We look forward to working closely with you in the event a spill and the disposal of the debris in a timely fashion.

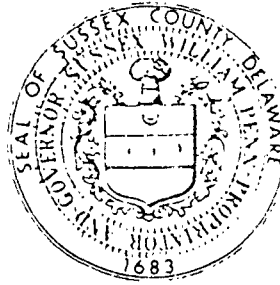
Very truly yours,


Robert J. Touhey, P.E.
Manager

cc: Thomas P. Eichler
Kenneth R. Weiss
Robert Zimmerman, Brad Smith
N. C. Vasuki, Rodney Wyatt ✓
White's Construction Company

AR200522

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County
COURT HOUSE
P.O. BOX 589
GEORGETOWN, DELAWARE
302/856-7701
EXT. 335

May 26, 1982

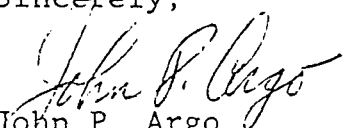
Mr. Ken Weiss
Project Engineer
Delaware Department of Natural Resources
and Environmental Control
Office of Solid Waste
Dover, Delaware 19901

Dear Mr. Weiss:

The Sussex County Council request a permit renewal for Transfer Station #5 at Laurel, Delaware.

If you any questions, please contact me at 856-7701 ext. 336.

Sincerely,


John P. Argo
Landfill Supervisor
Sussex County

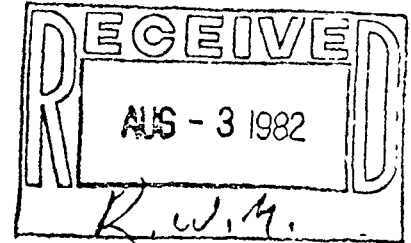
hw

cc: Mr. Joseph T. Conaway
Mr. Robert Wm. Martin
Mr. Robert J. Touhey

AR200523



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901



TELEPHONE: (302) 736-4761

July 22, 1982

Permit: SW-82/13 (Renewal of SW-80/10)
Laurel Transfer Station - Sussex
County Landfill #5

Mr. Robert Wm. Martin, Director
Sussex County Public Works and
Special Services
P. C. Box 589
Georgetown, Delaware 19947

Dear Mr. Martin:

Pursuant to the provisions of the Delaware Solid Waste Disposal Regulation, Section 3.06(a), a permit is hereby granted to Sussex County to operate a solid waste transfer station at Laurel, Delaware. The transfer station shall be operated in accordance with the application dated May 30, 1979, and the request for renewal dated May 26, 1982.

This permit is subject to the following conditions:

1. This operation shall be conducted in accordance with the information submitted in the application and provisions of the Delaware Solid Waste Disposal Regulation.
2. Closure of the Laurel landfill shall be in compliance with Section 6.03(h) of the Delaware Solid Waste Disposal Regulation. In addition to your closure plans dated September 12, 1980, you shall provide suitable vegetation on the inactive landfill.
- 3.a. Semi-annually, in April and October, the permittee shall sample groundwater monitoring wells LS-2, LS-4 and LD-1 for TDS, pH, $\text{NH}_3\text{-N}$, Fe, Cl, Specific Conductance, $\text{NO}_2\text{-N}$ and Mn. You shall submit the results to the department within thirty (30) days from the sampling date or as soon as possible thereafter.
- b. Annually, in April, the permittee shall sample groundwater monitoring wells LS-1 and LS-3 for TDS, pH, $\text{NH}_3\text{-N}$, Fe, Cl, Specific Conductance, $\text{NO}_2\text{-N}$ and Mn. You shall submit the results to the department within thirty (30) days from the sampling date or as soon as possible thereafter.

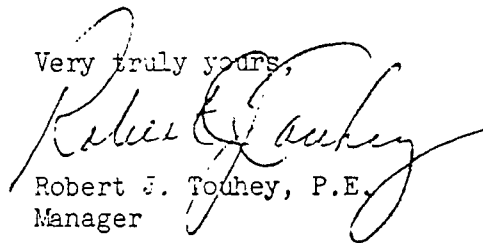
Prior to analyzing for TDS, Fe and Mn, the samples shall be filtered through at 0.45 micron pore size filter.

AR200524

Permit: SW-22/13 (Renewal of SW-80/10)
Laurel Transfer Station - Sussex
County Landfill #5
July 22, 1982
Page Two

4. Quarterly, in January, April, July and October, the permittee shall measure the depth to water in groundwater monitoring wells LS-1, LS-2, LS-3, LS-4 and LD-1 and determine the water elevations in each. The results shall be submitted to the department within thirty (30) days of the date measurements were made or as soon as possible thereafter.
5. Harvestable or cultivated crops shall not be used as a vegetative cover at the inactive site at any time.
6. Solid waste collected at the transfer station shall be transported to the Bridgeville Landfill.
7. You shall ensure that all garbage is contained within the transfer station bin, and that no littering occurs.
8. Representatives of the Department of Natural Resources and Environmental Control may, at any reasonable time, inspect this operation and facility.
9. This permit shall expire in one (1) year subject to renewal. Within ninety (90) days from the expiration date of this permit, you shall notify the Department on plans for renewal.
10. A copy of this permit shall be available at the facility at all times.
11. This permit may be revoked upon violation of any of the preceding conditions or provisions of the Delaware Solid Waste Disposal Regulation.

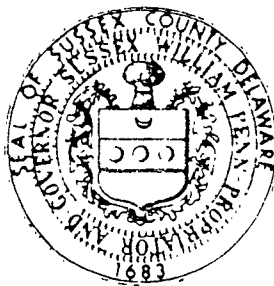
Very truly yours,


Robert J. Touhey, P.E.
Manager

RJT:LJN:mas

cc: Thomas P. Eichler
Kenneth R. Weiss
Manju R. Nair
Linda J. Norton
Lisa A. Hamilton
Joseph Conaway

AR200525



MEMORANDUM

TO: Mr. John Argo, Landfill Supervisor
FROM: Robert Wm. Martin, Director *RM*
RE: PERMIT SW-82/13 LAUREL TRANSFER STATION
SUSSEX COUNTY LANDFILL #5

DATE: August 6, 1982

Attached is a copy of the referenced permit, please see that copies are distributed and posted.

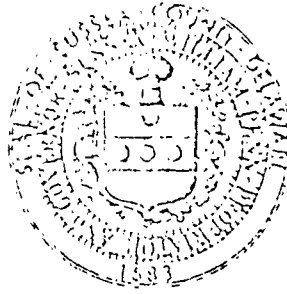
Have we completed plans for closure dated September 12, 1980?
Please advise me of vegetation process.

b1

cc: Mr. Joseph T. Conaway
Ms. Patricia A. Lowe
Mr. Abraham Thomas

AR200526

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex Court

COURTHOUSE
GEORGETOWN, DELAWARE 1
302 351-2700

December 8, 1982

Mr. N. C. Vasuki
General Manager
Delaware Solid Waste Authority
P. O. Box 455
Dover, Delaware 19901

Dear Mr. Vasuki:

The Sussex County Council realizes that the Delaware Solid Waste Authority is still wrestling with the decision as to what method of disposal of solid waste will be developed in Sussex County. The Council would hope that an alternative to landfilling would be found; but they realize that even alternatives would require some landfilling and towards that end urge the Solid Waste Authority to locate such a landfill somewhere in the central part of the County in keeping with the Weston study on solid waste disposal done for Sussex County a few years ago.

Thank you for your continued cooperation.

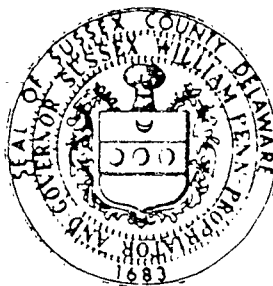
Yours truly,

Joseph T. Conaway
County Administrator

JTC/sww

AR200527

OFFICE OF DIRECTOR
ECONOMIC DEVELOPMENT
AND
PUBLIC WORKS



P O BOX 589
GEORGETOWN DELAWARE 19347
302 856-7701 EXT 325

MEMORANDUM

TO: Mr. John Argo, Landfill Supervisor
FROM: Robert Wm. Martin, Director *RM*
RE: PERMIT SW-82/13 LAUREL TRANSFER STATION
SUSSEX COUNTY LANDFILL #5
DATE: August 6, 1982

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Have we completed plans for closure dated September 12, 1980?
Please advise me of vegetation process.

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cc: Mr. Joseph T. Conaway
Ms. Patricia A. Lowe
Mr. Abraham Thomas

AR200526

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE 1
302 351-2700

December 8, 1982

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Dover, Delaware 19901

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Thank you for your continued cooperation.

Yours truly,

Joseph T. Conaway
County Administrator

JTC/sww

AR200527



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF ENVIRONMENTAL CONTROL
 WATER RESOURCES SECTION
 89 KINGS HIGHWAY
 P.O. BOX 1401
 DOVER, DELAWARE 19903

TELEPHONE (302) 736-4781

June 15, 1983

Solid Waste Section

TR 5-82

Mr. Robert Wm. Martin
 Sussex County
 P. O. Box 489
 Georgetown, DE 19947

Dear Mr. Martin:

This letter is to remind you that your Solid Waste Permit SW-82/13 for the operation of a transfer station expires July 22, 1983.

Please inform this office, in writing, on your plans for renewal.

If you have any questions, please contact this office at 36-4781.

Sincerely,

Linda J. Norton

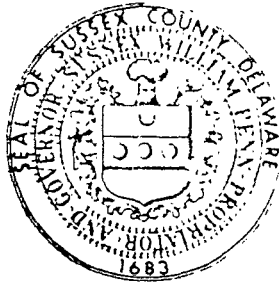
Linda J. Norton
 Resource Control Specialist II

LJN:mas

FACTS
PLEASE RECALL THE
APPLIC + PERMIT ON FILE
SECTION

AR200528

OFFICE OF DIRECTOR
ECONOMIC DEVELOPMENT
AND
PUBLIC WORKS



P O BOX 589
GEORGETOWN DELAWARE 1994
(302) 856-7701 EXT 325

June 22, 1983

Ms. Linda J. Norton
Resource Control Specialist II
Delaware Department of Natural
Resources and Environmental Control
Solid Waste Section
89 Kings Highway
Post Office Box 1401
Dover, Delaware 19903

Dear Ms. Norton:

The Sussex County Council requests a permit renewal for
Transfer Station # 5 at Laurel, Delaware.

If you need any additional information please give me a
call.

Very truly yours,

Robert Wm. Martin
Public Works Engineer

RWM/bl

cc: Mr. Joseph T. Conaway
Mr. John P. Argo ✓
Mr. Robert J. Touhey

AR200529



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
89 KING'S HIGHWAY
P.O. BOX 1401
DOVER, DELAWARE 19903

TELEPHONE (302) 736 4761

July 31, 1984

Mr. John Argo
Sussex County Council
P. O. Box 589
Landfill Department
Georgetown, DE 19947

Dear Mr. Argo:

Enclosed are the photographs taken during a site visit at the Sussex County No. 5 landfill on July 3, 1984. If you feel that any of the photographs should not be printed in the preliminary assessment of the landfill, please indicate which photograph(s) (numbers on back) and, at your discretion, the reason you do not want them printed.

Your prompt response on this matter and in returning the photographs will be deeply appreciated.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Brad Smith".

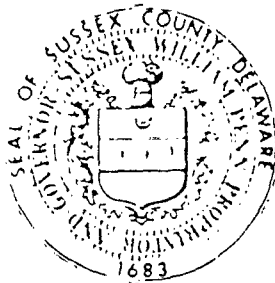
Brad Smith
ERRIS Investigator

BS/jw

Enclosures

AR200530

JOHN P. ARGO
LANDFILL SUPERVISOR



Sussex County

COURT HOUSE
PO BOX 589
GEORGETOWN, DELAWARE
302.856-7701
EXT. 335

11

August 20, 1984

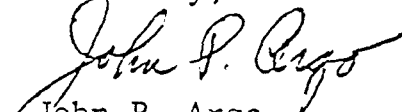
Mr. Brad Smith, ERRIS Investigator
State of Delaware
Department of Natural Resources
and Environmental Control
Water Resources Section
89 Kings Highway
P.O. Box 1401
Dover, Delaware 19903

Dear Mr. Smith:

Enclosed please find photographs taken during your visit at the Sussex County No. 5 Landfill near Laurel on July 3, 1984. The photographs were taken during a very rainy season and should be noted as to the same and I have no reason for you not printing same.

Should you have any questions on this matter call me at the above number.

Sincerely,


John P. Argo
Sussex County
Landfill Department

AR200531



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF ENVIRONMENTAL CONTROL
 WATER RESOURCES SECTION
 89 KINGS HIGHWAY
 P.O. BOX 1401
 DOVER DELAWARE 19903

RECEIVED 3/15/85
 SUSSEX COUNTY ENGINEERING
 DEPARTMENT

RLW	<u>RLW</u>	JBJ	_____
RWA	_____	RLI	_____
MAI	_____	BF	_____
ITB	_____	LWR	_____
RCG	_____	JED	_____
JRH	_____		_____

TELEPHONE (302) 736-4761

March 8, 1985

Mr. Rodney L. Wyatt
 Sussex County Engineer
 Sussex County Engineering Department
 8 North Race Street
 P.O. Box 589
 Georgetown, Delaware 19947

Dear Mr. ^{Rodney}Wyatt,

Your letter of February 15, 1985 and the attached agreement between Sussex County and Roy F. Weston, Inc. are consistent with our discussions and mutual objectives in evaluating and managing environmental contamination emanating from the County's abandoned landfills.

I have no objection to striking the second paragraph from my January 18th letter to you. That passage was only included because I interpreted your comments as desiring that Weston participate with the County's Landfill Stabilization and Planning Committee. I recognize that any restrictions on water development in the vicinity of the landfills would be the responsibility of this Department.

I am pleased that we are in full agreement on our course and look forward to making progress on these matters with you, your staff, and your consultant.

Sincerely,

Michael A. Apgar, P.G.
 Supervisor
 Water Supply Branch

cc: Gerard L. Esposito
 Linda N. Shanley

AR200532



11

RECEIVED
SUSSEX COUNTY ENGINEERING
DEPARTMENT

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
89 KINGS HIGHWAY
PO BOX 1401
DOVER DELAWARE 19903

TELEPHONE (302) 736-4761

RLW	_____	JBJ	_____
RWA	_____	PLI	_____
MAI	_____	BF	_____
ITB	_____	LWR	_____
RCG	_____	JED	_____
JRH	_____		_____

June 1, 1985

Mr. Lee Littleton
530 N. Central Avenue
Laurel, Delaware 19956

Dear Mr. Littleton:

This letter follows our telephone conversation on May 31st concerning approval for wells on property adjacent to Sussex County's old Laurel Landfill which you wish to subdivide. As I explained, the Delaware Environmental Protection Act (7 Del. C., Chapter 60) states that "... no permit may be granted unless the county or municipality having jurisdiction has first approved the activity by zoning procedures provided by law." (§6003(c)). Thus, the Department could not issue permits to construct wells on your property until your pending request to Sussex County Planning Department for subdivision is approved.

I called Mr. Lawrence Lank, head of the County Planning Department to clarify this matter. Mr. Lank wanted to know whether the Department would approve of such an application. I told him that we were concerned that a well located on the property would be directly downgradient of the landfill and thus be threatened by contamination. I explained to Mr. Lank after considerable discussion about the contamination potential with the County Engineering Department, we had agreed that the County's consultant (Roy F. Weston, Inc.) would conduct additional studies to determine the existing and potential zone of contamination at each of the County's old landfills. This information was to be submitted to the Department which would use it to determine the area in which restrictions would be placed on well construction permits.

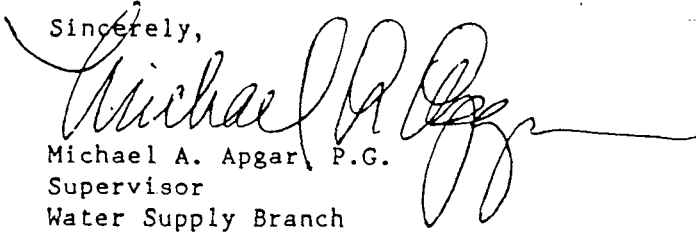
The County's report was to be submitted to the Department by the end of July 1985. Mr. Rodney Wyatt, the County Engineer, was not available on Friday. However, he called me to schedule a meeting with his consultant to discuss information gathered to date and the form in which it will be presented. We will meet next week.

AR200533

Mr. Lee Littleton
June 1, 1985
Page 2

I will provide you with the outlook for well restrictions from that meeting.
Your continued patience in this matter is appreciated.

Sincerely,



Michael A. Apgar, P.G.
Supervisor
Water Supply Branch

cc: Mr. Joseph T. Conaway
Mr. Lawrence Lank
Mr. Rodney Wyatt
Robert J. Touhey
Gerard L. Esposito
William G. Razor

AR200534

OCT 24 1986

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

MEMORANDUM

SUBJECT: Listing Municipal Landfills on the NPL

FROM: Henry L. Longest II, Director
Office of Emergency and Remedial Response

TO: Director, Emergency and Remedial Response Division
Region II
Director, Hazardous Waste Management Division
Region III
Director, Waste Management Division
Region IV and V
Director, Toxics and Waste Management Division
Region IX

The purpose of this memo is to outline the Agency's position regarding listing municipal landfills on the National Priorities List (NPL). Municipal landfills, and private landfills that accepted municipal waste, are being submitted by the Regions for addition to the NPL in increasing numbers. As a result, the Agency needs to evaluate whether municipal landfills that do not have a clear record of accepting hazardous waste should be included on the NPL. The current position, therefore, is that municipal landfills that have a record of hazardous waste disposal will be included in the next proposed update to the NPL scheduled for November. Those sites that have passed quality assurance review, but for which no record of hazardous waste disposal exists, will not be included in the next update, but rather will be set aside while the Agency develops a policy for listing these sites. Since NPL updates occur more frequently than in the past, we believe that temporarily setting aside sites that raise unresolved policy issues will allow the proposal to move ahead while not holding up sites for too long.

The specific sites in your Region that have been dropped from consideration for Update #6 are listed in the attachment. If additional information regarding hazardous waste disposal at these sites can be obtained, please send it to Mr. Harold J. Snyder, Chief, Discovery and Investigation Branch (WH-548E).

NONE
IN
DEL.

We believe that this issue is very important and are interested in the Regional perspective. Consequently, if you have any comments or questions regarding this issue, please forward them to my office.

Attachment

AR200535



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF AIR & WASTE MANAGEMENT

89 KINGS HIGHWAY
 PO BOX 1401
 DOVER, DELAWARE 19903

WASTE MANAGEMENT
 SECTION

TELEPHONE (302) 736 4781

November 20, 1986

Mike Izzo
 Sussex County Engineering Department
 P. O. Box 589
 Georgetown, DE 19947

Re: Municipal Landfills on the National Priorities List

Dear Mr. Izzo

Enclosed is a copy of the memorandum in reference to municipal landfills being listed on the National Priorities List that you requested in your conversation with Brad Smith of my staff on November 20, 1986.

If you have any further questions, please call Brad at 323-4545.

Sincerely,

Joseph J. Hardman
 Joseph J. Hardman, P.E.
 Supervisor

JJH:BLS/mff
 A:BLS2015.K

Attachment

cc: Gary A. Molchan
 Brad L. Smith

RECEIVED 12/1/86
 SUSSEX COUNTY ENGINEERING
 DEPARTMENT

RLW	_____	JES	_____
RWA	_____	FR	_____
MAI	<i>[Signature]</i>	SP	_____
ITB	_____	LWR	_____
RCG	_____	JED	_____
JRH	_____		_____

AR200536

April 3, 1987

Mr. Michael A. Apgar, P.G.
Supervisor, Water Supply Branch
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Post Office Box 1401
Dover, DE 19903

REF: SUSSEX COUNTY LANDFILLS

Dear Mr. Apgar:

This is just a reminder that we would like to meet and discuss the DNREC's comments toward the Weston Draft Report in as timely a manner as possible. A number of residents in the vicinity of the landfills are interested in zoning changes, new well construction, etc. which will be directly affected by the proposed restrictions. On the topic of well permits, it is hoped that any new permits in the proposed restricted areas will not be granted before we can meet. Our concern is that regardless of depth, new well construction will negatively affect any site ranking prepared for the National Priority List.

Thank you for any consideration you can give to this matter.

Respectfully yours,

SUSSEX COUNTY ENGINEERING DEPARTMENT

Michael A. Izzo
Civil Engineer

cc: Mr. Tom Drew
Mr. Fred Mertes
Mr. Rodney L. Wyatt

MAI:jed

AR200537



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

MAY 28 1987

Mr. Mike Izzo
Sussex County Engineering Office
P.O. Box 589
Georgetown, DE 19947

Dear Mr. Izzo:

I am the State of Delaware Program Manager for the Superfund Site Investigation Section of EPA Region III. As such, it is my responsibility to review and coordinate with the State of Delaware those sites which may be subject to the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

As you are already aware, the Sussex County Landfills have been studied under CERCLA authority by the State of Delaware and have submitted their reports to me. In review of the reports, I have found that a critical document was absent. The ground water study conducted by Weston was not made available for review. In order for me to complete my review, it is essential that I obtain a copy of the report. Should there be any problems in doing so, please contact me at your convenience at (215) 597-0823.

Sincerely,

Joel Karmazyn, SIO
Site Investigation Section

#1 priority in state

RECEIVED 6/1/87
SUSSEX COUNTY ENGINEERING
DEPARTMENT

RLW	_____	_____
RWA	_____	_____
MAI	<i>[Signature]</i>	_____
ITB	_____	_____
RCG	_____	_____
JRH	_____	_____

AR200538



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF AIR & WASTE MANAGEMENT
 99 NORTH MARKET STREET
 DOVER, DELAWARE 19903

WASTE MANAGEMENT
 SECTION

TELEPHONE 302-426-4747

November 20, 1986

Mike Izzo
 Sussex County Engineering Department
 P. O. Box 589
 Georgetown, DE 19947

Re: Municipal Landfills on the National Priorities List

Dear Mr. Izzo

Enclosed is a copy of the memorandum in reference to municipal landfills being listed on the National Priorities List that you requested in your conversation with Brad Smith of my staff on November 20, 1986.

If you have any further questions, please call Brad at 323-4545.

Sincerely,

Joseph J. Hardman, P.E.
 Supervisor

JJH:BLS/mff
 A:BLS2015.K

Attachment

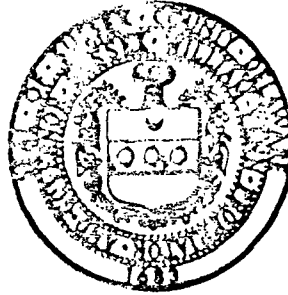
cc: Gary A. Molchan
 Brad L. Smith

RECEIVED 11/21/86
 SUSSEX COUNTY
 DEPARTMENT OF
 ENVIRONMENTAL CONTROL

RLT	
RW	
MA	
JTB	
ROB	
JRH	

AR200539

FREDERICK MERTES
DEPUTY COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
GEORGETOWN DELAWARE 19947
302 856 7701
EXT. 317

February 17, 1987

Mr. Robert J. Touhey, Director
Division of Air and Waste Management
Department of Natural Resources
and Environmental Control
State of Delaware
89 Kings Highway
P. O. Box 1401
Dover, Delaware 19903

Dear Mr. Touhey:

Sussex County Council is quite concerned about the possible rankings of the six Sussex County landfills onto the EPA Superfund List. On behalf of the Sussex County Council, I am hereby requesting information on the input that the DNREC uses in these rankings. It is the feeling of the Sussex County Council that all six of the former Sussex County landfills are manageable as to their potential environmental impact. The County Council further believes that the inclusion of any of these six landfills onto the EPA Superfund List will not benefit the citizens of Sussex County or the environment of Sussex County.

Sussex County Council fully intends to follow out any recommendations from its consultant, Roy F. Weston, Inc., or from the DNREC.

I look forward to working with you and your department on the long-term monitoring and control of these six former landfills.

Sincerely,

Frederick Mertes
Acting County Administrator

FM/sw

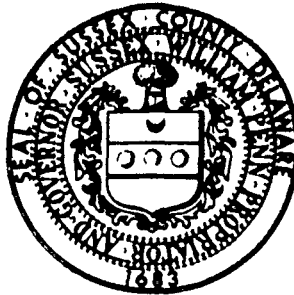
xc: Robert V. Witsil, Jr., Esquire

2/17/87
Atw
AR200540

ROBERT L. STICKELS

COUNTY ADMINISTRATOR

CERTIFIED MAIL
RETURN RECEIPT REQUEST
267 589 905



Sussex County

COURTHOUSE
P O BOX 589
GEORGETOWN, DELAWARE 19354
302-855-7741

August 19, 1988

Mr. Stephen Lingle, Director
Hazardous Site Evaluation Division
Office of Emergency and Remedial Response (WH-548A)
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

REF: RESPONSE COMMENTS TO PROPOSED PLACEMENT
OF SUSSEX COUNTY LANDFILL NO. 5
ON NATIONAL PRIORITIES LIST AS NOTED
IN THE FEDERAL REGISTER JUNE 24, 1988

Dear Mr. Lingle:

This response has been prepared to provide comments on the proposed placement of the Sussex County Landfill No. 5 (Laurel Landfill) on the National Priorities List (NPL). These response comments were formulated following review of the EPA's Hazard Ranking System (HRS) scoring documentation. The HRS score for the Laurel Landfill was obtained by considering the rating factors involved with contaminant migration via the ground water route. Therefore, the comments contained herein are focused towards ground water issues and programs related to the site, including a discussion of a Memorandum of Understanding (MOU) between Sussex County and the State of Delaware Department of Natural Resources and Environmental Control (DNREC) which has been established to manage the ground water resources around the landfill.

The Laurel Landfill was permitted by the DNREC to operate for the disposal of municipal waste from 1970 to 1979. During the operation of the landfill and following its closure, Sussex County has continued to work with the DNREC in establishing programs that would adequately monitor ground water quality and assess the potential impact on ground water from the Laurel Landfill. The ground water monitoring and site investigative programs have been conducted by Roy F. Weston, Inc. (WESTON) of West Chester, Pennsylvania. WESTON has been retained by the County as a consultant to help manage Sussex County landfills for more than ten years. The results of WESTON's most recent investigations are presented in a report entitled, "Groundwater

AR200541

Mr. Stephen Lingle

August 19, 1988

Page 2

Management Investigations for Six Sussex County Landfills", dated December 1987. This report, which is not referenced in the HRS documentation, details the results of an extensive investigative program designed to determine the extent and magnitude of any ground water contamination at the landfill, and to provide data to develop a ground water management plan to control ground water usage in the vicinity of the landfill. A copy of this report is included as an indication to the EPA of Sussex County's commitment to actively managing our landfill sites.

Review of the HRS documentation shows that organic compounds were identified at low concentrations in the on-site monitor wells which are located within or immediately adjacent to the landfill. However, WESTON's 1987 study indicates that the extent of ground water degradation at the site is limited such that no organic contaminants have been detected in newly installed monitor wells 300 feet downgradient of the site. These three monitor wells are screened in the aquifer of concern (Columbia Formation and Manokin Aquifer) and have total well depths of 10, 41 and 95 feet (LS-5, LS-6 and LS-7 respectively) below ground surface. Additional water sampling conducted by WESTON and EPA at the nearest downgradient residential wells (also screened in the aquifer of concern) did not indicate the presence of any organic contaminants. Our most recent test results verify this statement and are included as Attachment No. 1.

In order to provide the protection of future water supplies, ground water management zones (GMZ's) were established as an appropriate water management tool. These restriction zones were developed by using the findings of the site investigations, and the results of ground water modeling effort. This modeling study was designed to 1) simulate the existing ground water flow conditions; 2) simulate the present and predict the future distribution of contaminants in the ground water system; and 3) predict the contaminant migration. The ground water management zones consist of three concentric areas drawn around the landfill and designated as follows:

1. "no well zone" - all wells prohibited from the unconfined aquifer;
2. "GMZ A" - wells screened in the unconfined aquifer to be pumped at a rate of more than 10 gpm prohibited;
3. "GMZ B" - wells screened in the unconfined aquifer to be pumped at a rate of more than 100 gpm prohibited.

AR200542

Mr. Stephen Lingle
August 19, 1988
Page 3

In order to successfully apply the ground water management concept, Sussex County and the DNREC recognized that existing administrative processes had to be modified to assure proper implementation of the ground water use plan. To this end, Sussex County and the DNREC formulated and signed a binding MOU (Attachment No. 2) which legally establishes the GMZ's, and details specific technical requirements and administrative procedures for managing ground water use.

In addition to establishing ground water management zones around the landfills, the MOU requires Sussex County to identify all existing supply wells within the ground water management zones, and to determine their uses and approximate pumping rates. Sussex County must then address the effects of over-pumping in the two outer zones (GMZ A and GMZ B), and replace all existing residential wells in the "no well zone" with an alternate water source safe from any potential landfill contamination. Second, this agreement establishes administrative procedures for screening and evaluating water supply permit applications in coordination with the DNREC. In this way, potential ground water users in the "no well zone" would be identified and ultimately supplied with an alternate water source.

In the case of the Laurel Landfill, final management zones are currently being established in compliance with the MOU. Specific to this point, the MOU requires the acquisition of the final data and the delineation of GMZ's at the Laurel Landfill by February 9, 1989. In the interim, the DNREC will prohibit supply well installation within the contaminant plume as defined in WESTON's 1987 report, and other permit applications in the vicinity of the site will be compared to a preliminary GMZ map prepared using existing data. Until the ground water management zones are finalized at the Laurel Landfill, the newly installed and existing water supply wells downgradient of the landfill will be monitored, as required in the MOU, to determine any potential impact on water quality from the landfill.

In summary, the MOU is a binding agreement between the Sussex County Council and the DNREC that establishes ground water management zones, administrative procedures and technical requirements for managing ground water use in the vicinity of the Laurel Landfill. Sussex County firmly believes that the implementation of this ground water management plan addresses the groundwater issues in the vicinity of the landfill while providing the proper protection of public health.

AR200543

Mr. Stephen Lingle
August 19, 1988
Page 4

This progressive attitude toward landfill management has earned us the support of our state environmental agency (DNREC) and our citizens alike. Therefore, in light of the aforementioned comments and the response actions outlined in the MOU, Sussex County believes that the placement of the Sussex County Landfill No. 5 (Laurel landfill) on the NPL is not warranted, and requests the EPA to reconsider its proposal to list this site on the final NPL.

Thank you for your consideration on this important matter.

Sincerely,

Robert L. Stickels

Robert L. Stickels
Sussex County Administrator

Attachments: (2)

cc: The Honorable William D. Stevenson, Sr.,
Sussex County Council President

Mr. John E. Wilson III
Secretary of the DNREC

Mr. Abraham Thomas, P.G.
Sr. Proj. Geologist
Roy F. Weston, Inc.

RLS:MAI:jed

AR200544

Monday, May 18, 1988

Eastern New England to
storms across the
also is expected to get

May 18

© 1988 Accu-Weather, Inc.

1 (Lowell) 162.40 FM (Baltimore)

ern Pennsylvania
cloudy with a chance of show-
ers. High in the low
lows at 10 to 15
chance of rain or driz-
zle.
Chance of precipitation is 90
percent tonight.

New Jersey
cloudy with a chance of show-
ers. High in the low
lows at 10 to 15
chance of rain or driz-
zle.
Chance of precipitation is 90
percent tonight.

County, EPA hit snag in cleanup talks

BY NANCY KESLER
Dover Bureau Chief

Negotiations have broken down between the Environmental Protection Agency and New Castle County over how much money the county will pay toward the \$15.2 million cleanup of the Army Creek Superfund site.

The agency announced this week that it will proceed with plans to have a consulting engineer design the cleanup program. The county and other potentially responsible parties will then have another opportunity to agree to pay the cleanup costs, according to EPA spokesman Ray Germann. Otherwise, the agency will proceed with the cleanup plan and bill the people it considers responsible.

Germann said the agency currently considers the county the principle responsible party.

The 44-acre former landfill near U.S. 40 and U.S. 13 is owned by the county. It operated a municipal dump there from 1960 to 1968.

Almost one-third of the 1.9 million cubic yards of garbage was placed below the water table. The contaminants have leaked into the groundwater, polluting private wells and threatening a major Artesian Water Co. well field.

One sticking point in negotiations now is disagreement over how to credit the country for work it has already done.

Since 1973, the county has spent close to \$4 million in a program to pump contaminated water from the ground to prevent it from reaching the Artesian field and other wells.

The landfill was one of the first named to the federal Superfund list for priority cleanup.

After several years of studying the contamination problem and the county's containment approach, the EPA in October 1986 incorporated the pumping operation into a broader, \$15.2 million plan that includes regrading the landfill surface and capping it with a material to prevent rainwater from continuing to permeate the soil, washing more contamination into the groundwater.

The capping operation would be followed by a five-year study to

see if permanent structures around the sides of the landfill will be necessary to contain the seepage. The possibility of having to install expensive underground lateral controls is what makes the EPA plan different from the direction the county had been moving.

In a separate arrangement, the county signed an agreement with the state last year that requires the county to build a \$500,000 treatment plant for the contaminated water being pumped from the ground into Army Creek, a tributary of the Delaware River.

The agreement settled a long-time dispute in which the county had contended that it was environmentally safe to discharge the water untreated.

The EPA has been negotiating a cleanup plan financing agreement with the county for 18 months. "There have been sufficient negotiations to reach a settlement," Germann said.

Donald F. Marston, an assistant county attorney, said negotiations broke down for a variety of reasons, including disagreement over the method of crediting the county with some of the work it has already done.

"We're the only ones that have done anything," he said, and "ev-

eryone agrees" that the pumping operation is protecting the environment.

George Weiner, another attorney hired by New Castle County, said the county is also dissatisfied with the agency's efforts to involve other potential responsible parties in the negotiations. The county has been talking with several firms, including some that sent trash to the landfill and some garbage collectors, about sharing the cleanup costs.

Weiner said with the pumping operation already in place and other improvements, such as the sewerage treatment plant, being prepared, the county doesn't understand why the agency is in such a hurry to get the rest of the project under way.

However, he said the agency is under the gun to demonstrate to Congress by the fall of 1989 that cleanups are under way at least at 175 Superfund sites.

Germann would not comment on why the two sides have been unable to reach an agreement. But he confirmed one of the problems was the other potentially responsible parties.

City plans to send out street patrols in war on drugs

BY LORRAINE KIDD
Staff reporter

The war against drugs has become a battle of weaponry and technology across the country, but Wilmington police will return to traditional tactics this summer.

In August, 16 patrol officers will be attached on foot and on

said, adding that it was a disjointed effort.

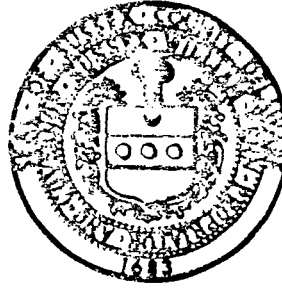
This time, those officers will stalk the dealers, arrest them and "give the streets back to the community," he said.

Although drug arrests have increased, Payne said, "arrest is not the total answer... I see more

tions "

Police are not only battling drugs in the streets, but "we've had trouble in Eden Park and other city parks," Payne said. "We've had police and our drug dog, Thor, down in Eden Park this weekend

FREDERICK MERTES
DEPUTY COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE 19847
302-855-7741

May 14, 1987

The Honorable John E. Wilson, III
Secretary of the Department of Natural
Resources and Environmental Control
89 Kings Highway
P.O. Box 1401
Dover, DE 19903

RECEIVED 5/14/87
SUSSEX COUNTY ENGINEERING
DEPARTMENT

_____	JBJ	_____
_____	PLI	_____
_____	BF	_____
_____	LWR	_____
_____	JED	_____
_____		_____
_____		_____

cc. [Handwritten signature]

Dear Jack:

At the Sussex County Council meeting of Tuesday, May 12, 1987, the Council took several positions in regards to the six closed County landfills in Sussex County. The position that the Council has taken was arrived at after discussions with members of your staff and careful consideration of the consequences and responsibilities that the County may have in regards to these sites.

First off, I have enclosed copies of two Resolutions that the Council adopted on Tuesday. The first one basically states that the County will not issue any building permits in the management zones of the six landfills, unless a well permit has been obtained from DNREC. The second Resolution essentially guarantees that any future applications for change in the land use in the six management zones of the landfills will have, as a major criteria, the factor that a landfill does exist in close proximity to the proposed change in land use and this will be evaluated in any decision that any of the County boards may deliberate upon.

What the County would like to see the State provide is the assurance that any wells drilled in the management zone will be supervised personally by DNREC staff. This will insure that any wells drilled in the management zones will be drilled properly and properly sealed. Further, the County would like to be informed of any well permits at the time one is applied for. We would like for the County to be copied on any applications.

In regards to the Angola site, where current zoning exists for intense development, the County would like to have only shallow wells approved by the State. With the expected high density in the area, it would be my expectation that

AR200546

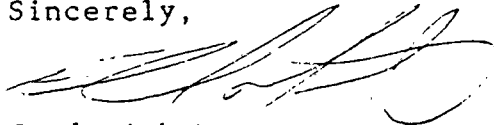
development in this site will, at some point in the future, need to be served by public or private water utility. Therefore, it would be an economic waste to require deep wells when they, in all likelihood, may be required to abandon them in the future. Also, by utilizing shallow wells, we would be insuring the integrity of the lower aquifer from contamination from the upper groundwaters. Members of my staff are currently working on trying to develop public water supplies in the Angola site, however, this may take some time. Therefore, the only short-term solution would be to allow shallow wells in the area and, at the same time that a public system is installed and operational, the less costly shallow wells would be abandoned.

In all the other sites, it would be the County's recommendation that only deep wells be permitted going below the surface waters into a safe aquifer. Being properly installed and sealed should eliminate any possibility of contamination to the lower aquifer. These other sites would then be limited in their future change of land use applications and, in so doing, the long-term potential problem would be minimized.

By the County taking the action it has taken and in the future cooperating with the DNREC on the management of these six sites, I believe the health, safety, and welfare of the public will be protected.

Looking forward to cooperating with your department in this regard,

Sincerely,



Frederick Mertes
Acting County Administrator

FM/nc

Enclosures

xc: Mr. Rodney L. Wyatt
Mr. Russell W. Archut
Mr. Michael A. Izzo
Mr. Gerard L. Esposito
Mr. Phillip Cherry
Mr. Michael A. Apgar
Robert V. Witsil, Jr., Esquire

AR200547

RESOLUTION NO. R 026 87

THAT THE COUNTY COUNCIL, THE COUNTY PLANNING AND ZONING COMMISSION AND THE COUNTY BOARD OF ADJUSTMENT WILL CONSIDER THE PROXIMITY OF THE LANDFILL SITES IN ANY LAND USE DECISIONS THAT COME BEFORE THEM

WHEREAS, the County did operate and manage the six (6) landfills, (Brigeville, Anderson Crossroads, Omar, Angola, Laurel and Millsboro); and

WHEREAS, the existence of these landfills requires the County to carefully review and manage the use of the land in these areas; and

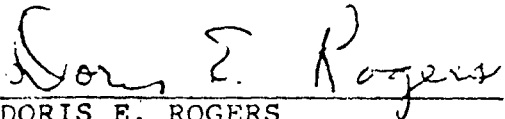
WHEREAS, major increases in the use of the land at or near these sites could cause long term land use management problems for the public; and

WHEREAS, by carefully reviewing the proximity of the former landfills prior to making land use decisions in the management zones, future potential problems will be properly evaluated;

NOW, THEREFORE,

BE IT RESOLVED that the County Council of Sussex County, Delaware hereby resolves that any future proposed land use changes before the County Council, the County Planning and Zoning Commission and the County Board of Adjustment in the land management areas of the six (6) former County landfill sites will include an evaluation of the possible impact by the existence of the landfills.

I DO HEREBY CERTIFY THAT THE FOREGOING IS A TRUE AND CORRECT COPY OF RESOLUTION NO. R 026 87 PASSED BY THE COUNTY COUNCIL OF SUSSEX COUNTY ON THE 12TH DAY OF MAY, 1987.


DORIS E. ROGERS
CLERK OF THE COUNTY COUNCIL

AR200548

RESOLUTION NO. R 025 87

TO RESTRICT THE ISSUANCE OF COUNTY BUILDING PERMITS IN THE SIX (6) FORMER LANDFILL MANAGEMENT ZONES UNLESS THE DIVISION OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL HAS APPROVED AND ISSUED A WELL PERMIT FOR THE APPROPRIATE USE

WHEREAS, the County did operate and manage the six (6) landfills, (Bridgeville, Anderson Crossroads, Omar, Angola, Laurel and Millsboro); and

WHEREAS, the existence of these landfills requires the County to review and manage in detail the use and development in these areas; and

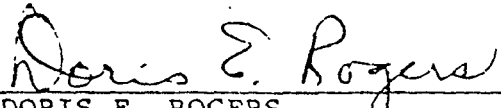
WHEREAS, through proper management of these areas, the County will insure the health and welfare of the nearby communities; and

WHEREAS, through proper management in the issuance of County building permits, property owners will be assured of proper water supplies prior to construction in the management areas;

NOW, THEREFORE,

BE IT RESOLVED that the County Council of Sussex County, Delaware hereby resolves that no County building permit will be issued in the land management areas of the six (6) former County landfill sites unless a well permit has been issued first by the State Department of Natural Resources and Environmental Control.

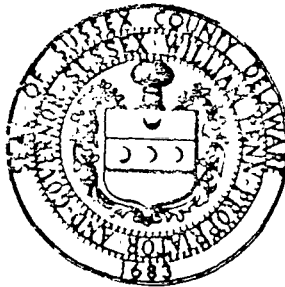
I DO HEREBY CERTIFY THAT THE FOREGOING IS A TRUE AND CORRECT COPY OF RESOLUTION NO. R 025 87 PASSED BY THE COUNTY COUNCIL OF SUSSEX COUNTY ON THE 12TH DAY OF MAY, 1987.


DORIS E. ROGERS
CLERK OF THE COUNTY COUNCIL

AR200549

FREDERICK MERTES

COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
P O BOX 589
GEORGETOWN DELAWARE 19947
302 855 7741

MEMORANDUM

TO: Sussex County Realtors, Builders, and Developers

RE: WATER QUALITY CONCERNS ON PRIVATE LANDS ADJACENT TO SUSSEX COUNTY LANDFILLS

FROM: Frederick Mertes
County Administrator

DATE: July 7, 1987

Attached is a map showing areas of concern to the Sussex County Council, the State of Delaware, and federal environmental agencies. These sites have been identified because of actual or potential water quality concerns. Please review these locations and if you have any transactions planned in the areas, I strongly advise that you first contact the Sussex County Planning and Zoning Office, where additional information may be obtained concerning these sites. The Sussex County Council considers it important and appropriate that the public be aware of these sites in developing, marketing, and constructing homes or businesses.

By referencing these sites, the Sussex County Council makes no express statement as to specific water quality problems at the sites, but is only identifying them so that the people or corporations involved in transactions near these sites can be better educated about the water qualities in these areas.

Again, should you have any questions, please feel free to call the Sussex County Planning and Zoning Office for assistance and identification of state or federal agencies that can provide further information, if necessary.

FM/sw

Attachment

xc: Michael A. Izzo
Civil Engineer
County Engineering Department

Brad E. Smith
Environmental Scientist
Delaware Division of Water Resources

Rodney L. Wyatt
County Engineer

Robert V. Witsil, Jr.
County Attorney

AR200550

REC'D
SUSSEX COUNTY ENGINEERING
DEPARTMENT
JBJ

OFFICIAL ZONING
MAP
OF
SUSSEX COUNTY
APPROVED BY
SUSSEX COUNTY COUNCIL
MAY 19 1977

LEGEND

RESIDENTIAL DISTRICTS

Single-Family Residential
Two-Family Residential
Medium-Density Residential
High-Density Residential
Special Residential

BUSINESS & COMMERCIAL DISTRICTS

Neighborhood Business
Community Business
General Business
Professional Business
Office Business

INDUSTRIAL DISTRICT

Light Industrial
Medium Industrial
Heavy Industrial

NOTES

1. This map is a zoning map and does not constitute a contract or warranty of any kind.

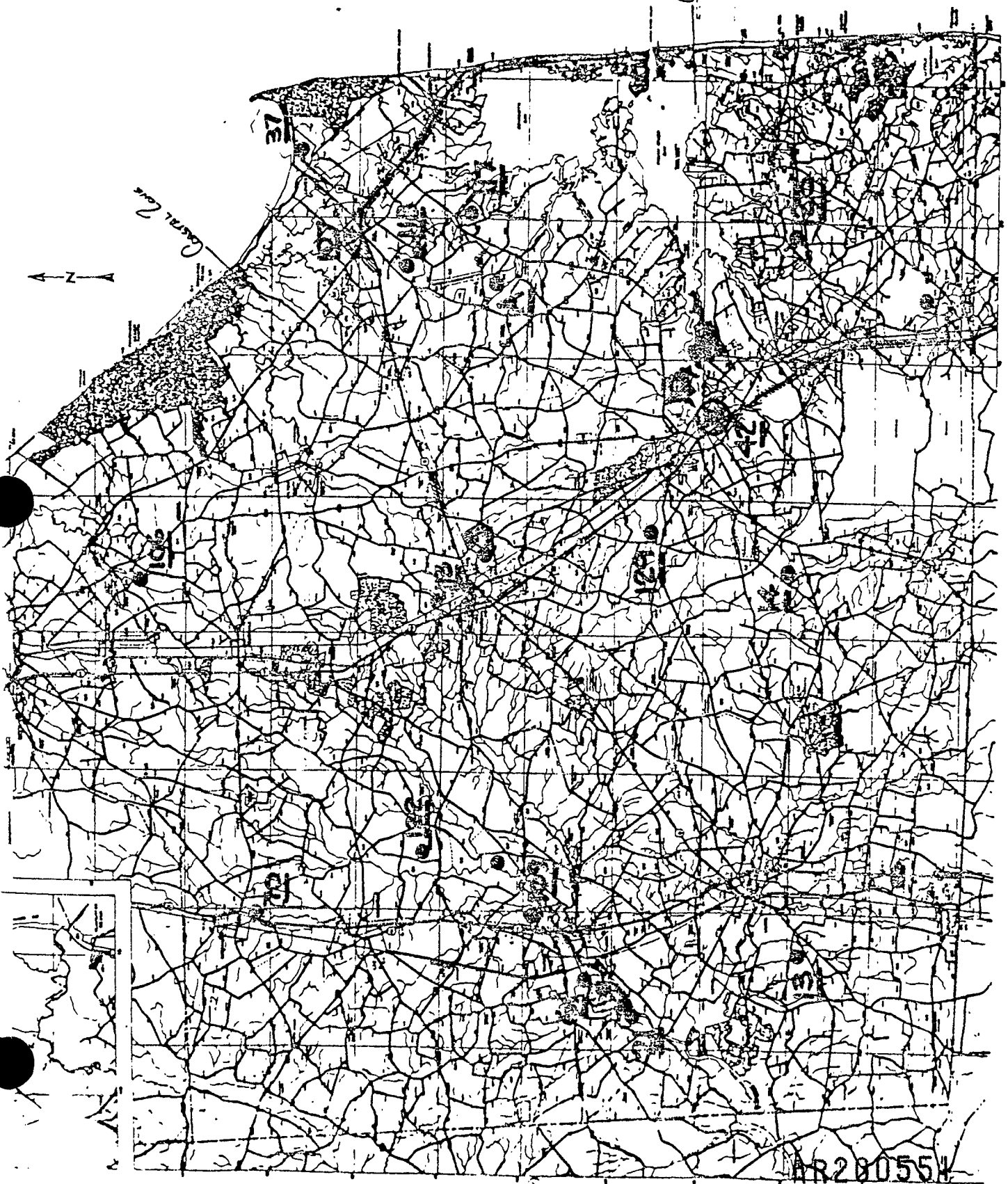
2. The zoning districts shown on this map are subject to change without notice.

3. The zoning districts shown on this map are subject to the provisions of the Zoning Ordinance of the County of Sussex.

☒ DNREC SITE OF CONCERN

⊕ SUPERFUND SITE

⊙ UN-NUMBERED SITES



AR280554

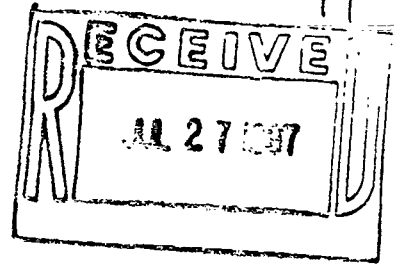
<u>Site Number</u>	<u>Site Developed By</u>
13	Sussex County (Landfill #5)
14	Delaware Farms, Inc.
21	du Pont (Seaford Plant)
37	Barcroft Co.
42	NCR Corp.
61	Seaford Town Gas
70	James Thompson and Co., Inc.
106	Sussex County (Landfill #4)
107	Hudson Pit
109	Krewatch Farm Site
113	Georgetown Cleaners
117	Love Creek Lumber Co.
118	Sussex Lumber Co.
122	Sussex County (Landfill #1)
123	Sussex County (Landfill #6)
129	Sussex County (Landfill #2)
A	Sussex County (Landfill #3)

AR200552



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL

89 KING STREET
PO BOX 1401
DOVER, DELAWARE 19903



TELEPHONE (302) 736-4403

OFFICE OF THE
SECRETARY

July 22, 1987

Mr. Frederick Mertes
County Administrator
Sussex County Courthouse
P.O. Box 589
Georgetown, De 19947

Dear Mr. Mertes:

Pursuant to your letter dated May 14, 1987, I am conveying the Department of Natural Resources and Environmental Control's (DNREC's) position regarding the management of groundwater in the vicinity of the six abandoned Sussex County landfills. Our comments have been formulated on the basis of Roy F. Weston, Inc.'s draft report entitled "Groundwater Management Investigations for Six Sussex County Landfills, January, 1987" which proposes the emplacement of water use restriction zones around these landfills.

The term "restriction zone" denotes three distinct concentric areas in, and around, the Anderson Crossroads, Bridgeville, Angola and Stockley landfills. These three zones are defined in Weston's 1987 report as: (1) all new wells restricted; required monitoring of existing wells (i.e., "no well zone"); (2) wells less than 10 gpm (i.e., "restricted pumpage zone "A"); and (3) wells less than 100 gpm (i.e., restricted pumpage zone "B") as depicted by the attached maps. To date, no specific restriction zones have been either proposed or adopted for the Omar and Laurel landfills.

The contamination at the landfills is principally characterized by organic and inorganic compounds resulting from the decomposition of household garbage. Although these compounds and trace metals are present in relatively low concentrations in the groundwater immediately adjacent to the landfills, they render local groundwater unsuitable for water supply purposes. Because the contaminants from the Sussex County landfills do not represent significant threats to human health or the environment, the DNREC considers the natural attenuation of these contaminants to be an adequate alternative to full scale remediation (source and groundwater clean-up), provided that the County takes responsibility for supplying safe water to water users at risk.

AR200553

Your proposals for DNREC well construction inspections, application advisement and well depth constraints in and around the landfills are acceptable. However, the DNREC's position on the water use restriction zones mapped by the County's consultant is as follows:

All wells, existing or proposed, in the "no well zone" must be deep, double-cased wells into confined aquifers or properties provided with public water supplied from a secure source (a source that adheres to restriction zone concept for the water table aquifer and is now and forever free of contamination from the landfills).

The County should pay the entire costs to replace all existing wells in the "no well zone". New water users will contribute to the County's purchase of a secure water supply (whether a deep double-cased well or public water) at the prevailing price for installation of a shallow well which might have been approved if a restriction zone did not exist.

Existing wells in the restricted pumpage zones ("A" and "B") installed in the unconfined aquifer must abide by the proposed pump rates as defined by Weston's 1987 report. The County will be expected to conduct an inventory of all wells in Zones "A" and "B" to determine use and approximate capacities. The results of this inventory should be forwarded to our Department so that we can determine if the possibility of over-pumping could exist in these restricted pumpage zones.

All future wells installed in the restricted pumpage zones ("A" and "B") that would exceed Weston's 1987 proposed pump rates will be required to be deep double-cased wells screened in a confined aquifer.

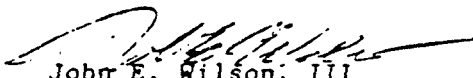
The County should prepare and submit to the Department, maps delineating the restriction zones for the Omar and Laurel landfills. Until such time, permits for wells to be constructed near the Omar and Laurel landfills will be issued or denied on a case-by-case basis after the Department has evaluated the proposed well placement, construction and water use.

We believe that the above plan is a very practical and cost effective approach to dealing with water problems in the vicinity of the landfills while still providing adequate protection of public health. The County is advised, however, that this plan is in no way a release from other requirements which may be imposed by CERCLA, should the sites be formally added to the National Priorities List (NPL).

Mr. Frederick Mertes
Page Three

The County's cooperation in this matter is appreciated. It is my understanding that a MOU between the Department and Sussex County reflecting these arrangements will be prepared by DNREC and sent to you in the near future. Any presently pending well permit applications will be handled in accordance with the plan outlined above. We are prepared to discuss this matter with the County Council. Should you have any comments or questions in the meantime, please do not hesitate to contact Jerry Esposito at 736-5722.

Sincerely,


John E. Wilson, III
Secretary

JEW:SNW:dag

cc: Rodney L. Wyatt
Abraham Thomas
William Stevenson
Robert V. Witsil, Jr., Esquire
Philip G. Retallick
R. Wayne Ashbee
Gerard L. Esposito

Att:

AR200555

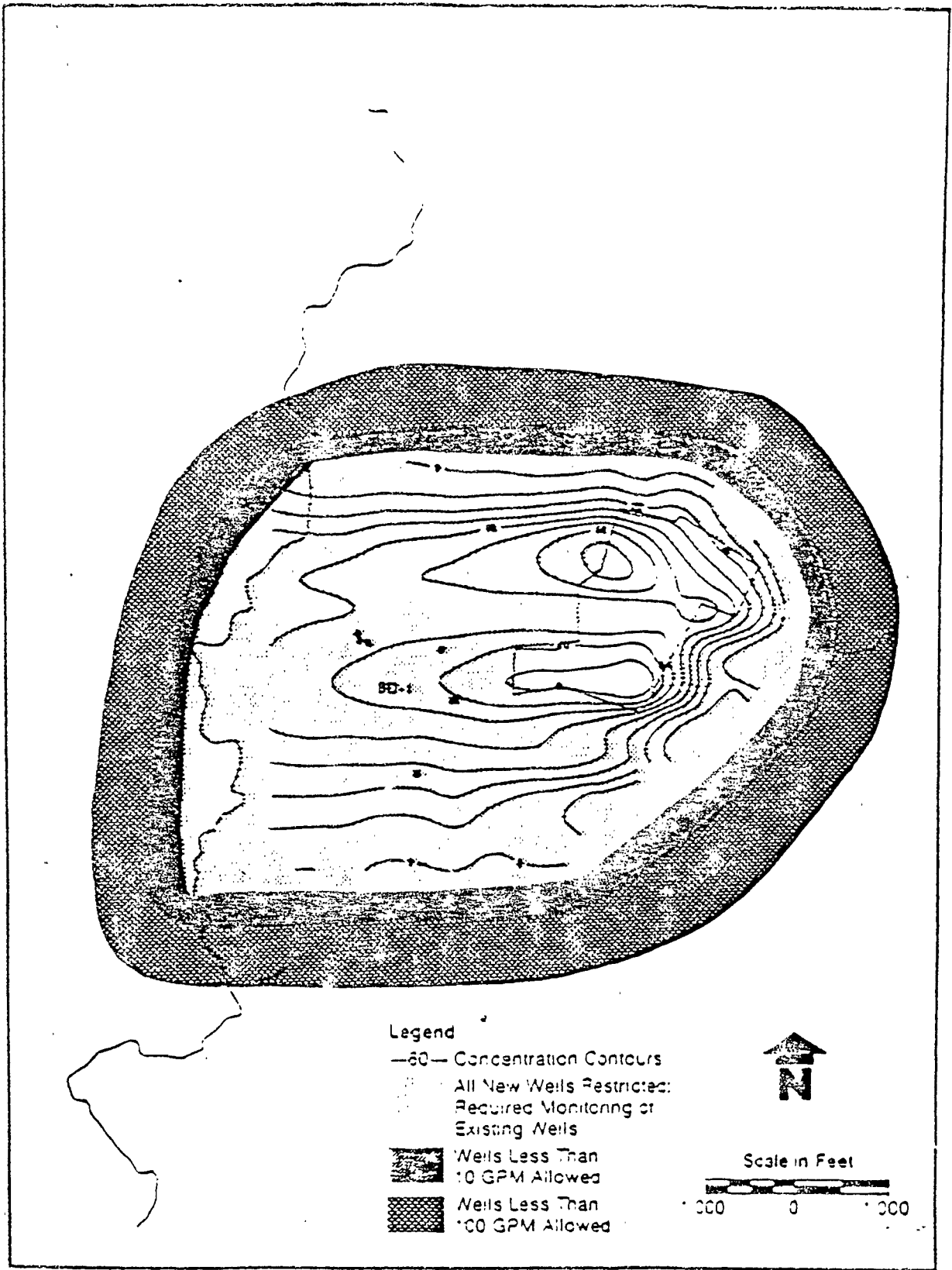


FIGURE 6-1 GROUND WATER RESTRICTION ZONE FOR BRIDGEVILLE LANDFILL

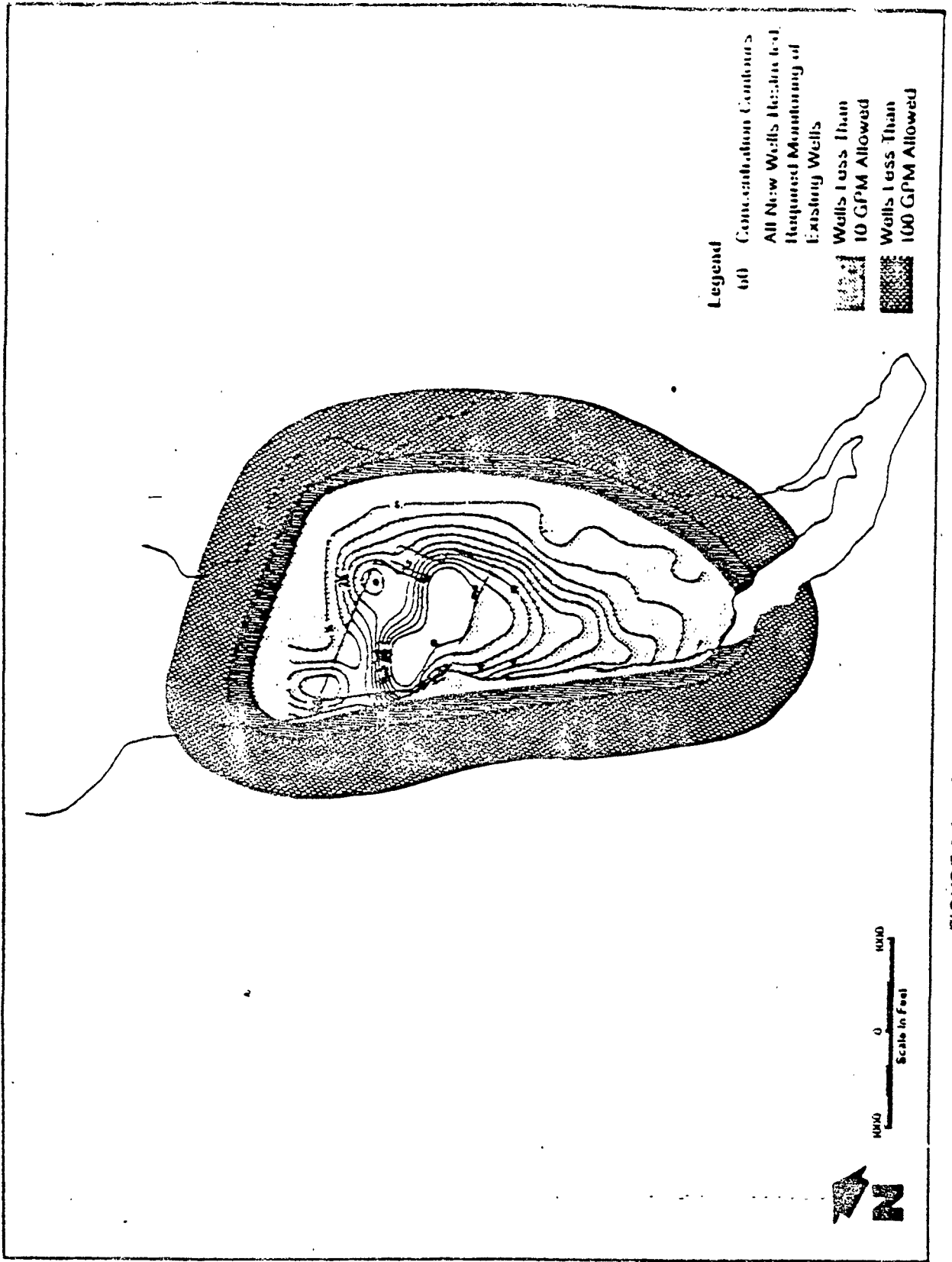


FIGURE 6-2 GROUNDWATER RESTRICTION ZONE FOR ANGOLA LANDFILL

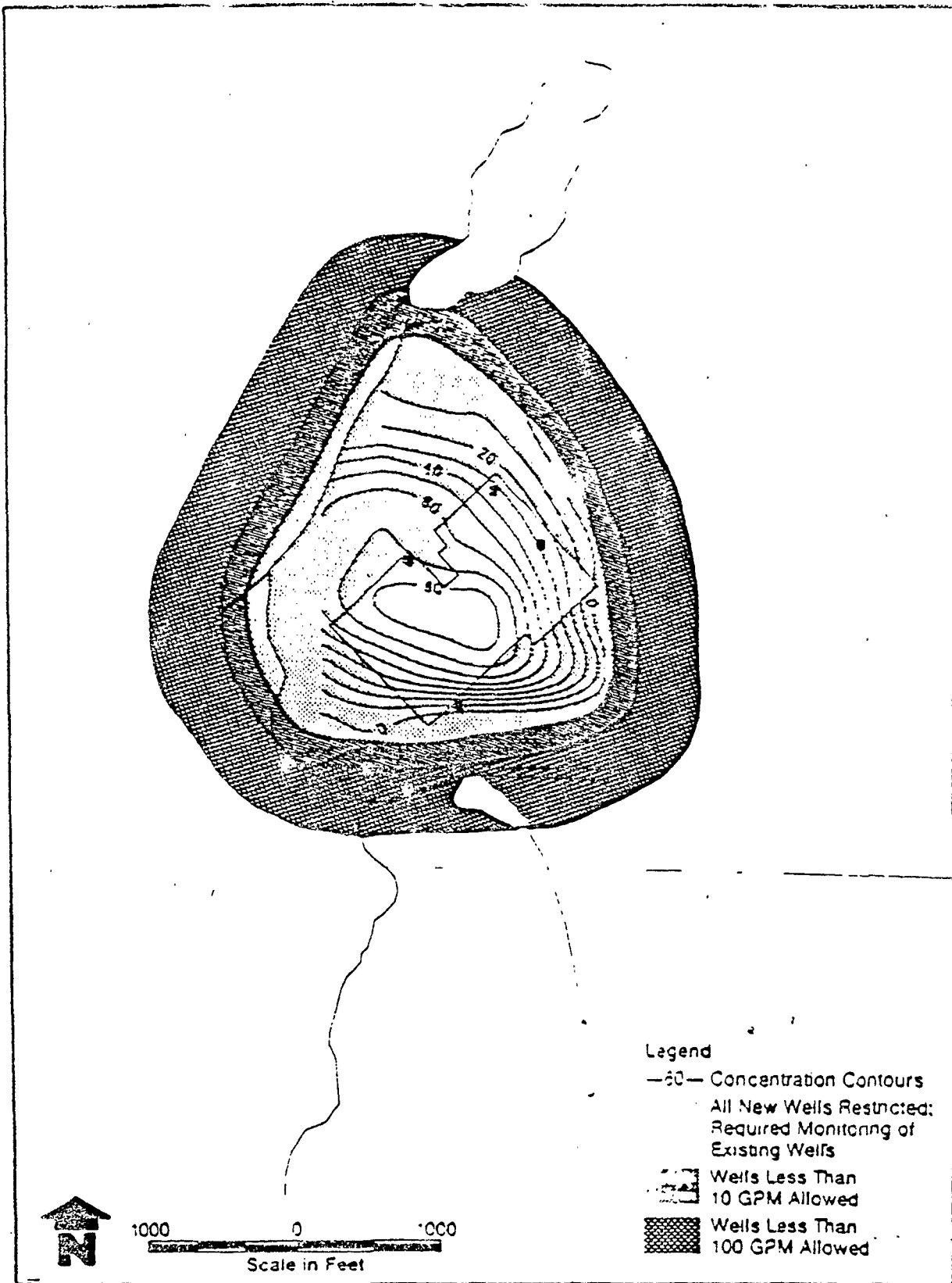


FIGURE 6-3 GROUNDWATER RESTRICTION ZONE
ANDERSON CROSS ROADS LANDFILL

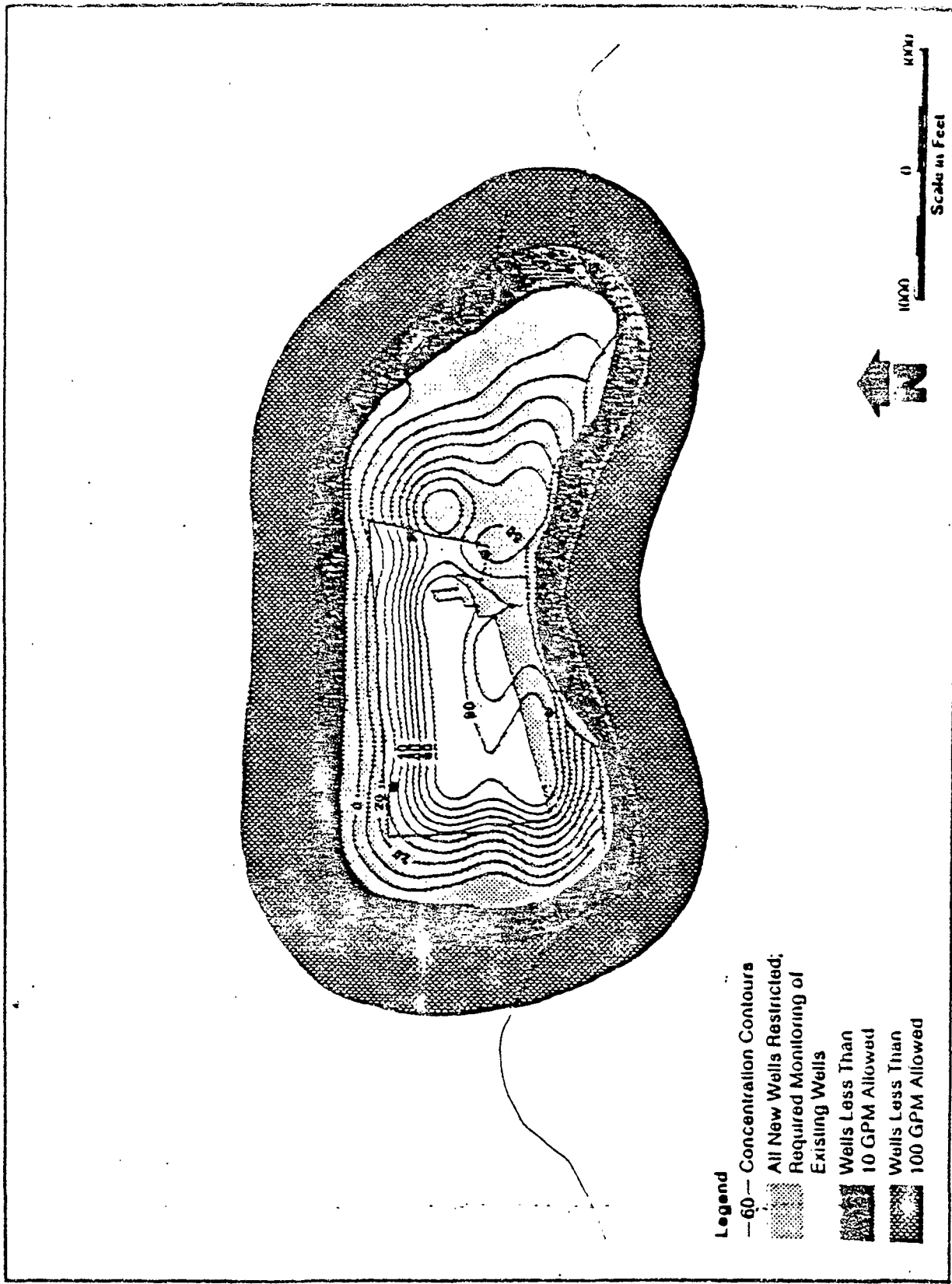


FIGURE 6-4 GROUNDWATER RESTRICTION ZONE FOR STOCKLEY LANDFILL



WESTON WAY
WEST CHESTER, PA 19380
PHONE 215-692-3030
TELEX 83-5348

20 August 1987

Mr. Michael Izzo
Sussex County
Engineering Department
8 North Race Street
P.O. Box 589
Georgetown, DE 19947

Dear Mike:

Please find attached reply to DNREC Secretary John E. Wilson office letter of 22 July 1987. Please review and finalize this letter. It would be a good idea to forward as soon as possible.

Very truly yours,

ROY F. WESTON, INC.

Abraham Thomas, P.G.
Project Director
Geosciences Department

Attachment

RECEIVED 8/26/87
SUSSEX COUNTY ENGINEERING
DEPARTMENT

✓	_____	STJ	_____
✓	_____	PLI	_____
✓	_____	BF	_____
_____	_____	LWR	_____
3	_____	JED	_____
1	_____	_____	_____

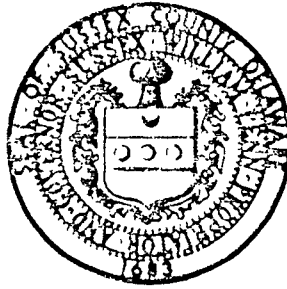
RECEIVED 8/26/87
SUSSEX COUNTY ENGINEERING
DEPARTMENT

RLW	_____	JRJ	_____
QWA	_____	PLI	_____
WAI	✓	BF	_____
ITB	_____	LWR	_____
RCG	_____	JED	_____
JRH	_____	_____	_____

AR200560

RODNEY L. WYATT

Sussex County Engineer



Sussex County

ENGINEERING DEPARTMENT

8 NORTH RACE STREET

P.O. BOX 589

GEORGETOWN, DELAWARE 19034

302-855-7718

August 26, 1987

Mr. John E. Wilson
Secretary
State of Delaware
Department of Natural Resources
and Environmental Control
Post Office Box 1401
Dover, DE 19903

REF: SUSSEX COUNTY LANDFILLS

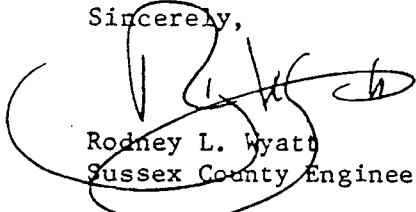
Dear Secretary Wilson:

We have received your letter of July 27, 1987. We really appreciate your comments and input for the overall management of six Sussex County Landfills. We will be meeting with our consultant to discuss and schedule the implementation of your recommendations shortly. Upon completion of our meeting we will compile a list of actions and schedules and forward them to you for your information.

We are looking forward to working closely with you in developing a cost-effective management alternative for the six county landfills.

If you have any questions, please do not hesitate to contact us.

Sincerely,


Rodney L. Wyatt
Sussex County Engineer

cc: The Honorable William D. Stevenson, Sr.
Mr. Frederick Mertes
Robert V. Witsil, Jr., Esquire
Mr. Michael Izzo
Mr. Abraham Thomas, P.G.

RLW:jed

AR200561



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL

89 KINGS HIGHWAY
PO BOX 1401
DOVER DELAWARE 19903

OFFICE OF THE
SECRETARY

TELEPHONE (302) 736 4403

11

October 5, 1987

Mr. William D. Stevenson
President, Sussex County Council
Sussex County Courthouse
P.O. Box 589
Georgetown, Delaware 19947

Dear Mr. ^{Bill} Stevenson:

In accordance with recent discussions, I have enclosed a copy of the draft Memorandum of Understanding (MOU) which the Department proposes as a formal, binding agreement with Sussex County in the cooperative management of water resources affected by the six Sussex County landfills. The draft MOU is partially based upon scientific data presented by Sussex County's consultant, Roy F. Weston, Inc., and incorporates the restriction zone concept Weston proposed in its January 1987 report entitled "Groundwater Management Investigations for Six Sussex County Landfills".

I believe this draft MOU contains a practical framework for continued cooperation, and reflects both the Department's and Sussex County's commitment to dealing with the landfill contamination problems in a safe and efficient manner. Your prompt consideration of, and response to, the draft MOU will be appreciated.

Sincerely,

John E. Wilson, III
John E. Wilson, III
Secretary

JEW/JHJ/ks
Enclosure
cc: R. Wayne Ashbee
Phillip G. Retallick

AR200562



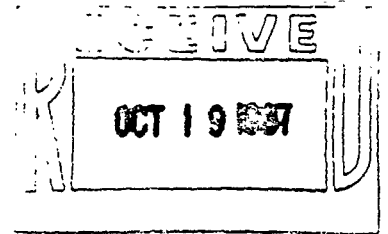
STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY PO BOX 1401
DOVER, DELAWARE 19903

TELEPHONE (302) 736-5722

OFFICE OF THE
DEPUTY DIRECTOR

October 13, 1987

Mr. Fred Mertes
Sussex County Administrator
County Courthouse
Georgetown, DE 19947



Dear Mr. Mertes:

For your information, please find attached two letters dated September 17, 1987 from the Department, regarding the Sussex County Municipal Landfill #5 in Laurel, Delaware. I thought you would be interested in them, especially since they are consistent with the philosophy contained in our draft Memorandum of Understanding.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, reading "Gerard L. Esposito". The signature is written in black ink and is positioned above the typed name.

Gerard L. Esposito
Deputy Director

cc: R. Wayne Ashbee
Phil Retallick

AR200563



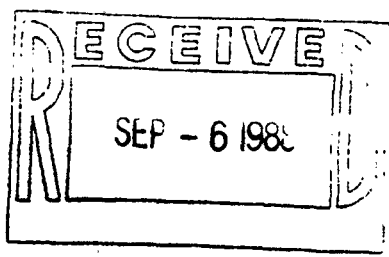
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

COPY:
R. Wood
R. W. Scl
R. H
M. IZZO

RECEIVED 9/7/88 August 29, 1988
SUSSEX COUNTY ENGINEERING DEPARTMENT

RWW _____ MAI *MMJ*
R/A _____ RCG _____
ITB _____

OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE
To Laura R.O. from Paul and cover letter



Robert L. Stickels
Sussex County Administrator
Sussex County Courthouse
P.O. Box 589
Georgetown, DE 19947

Dear Mr. Stickels:

This letter acknowledges the receipt of your recent comment on the proposed amendment to the National Priorities List (NPL) which was published in the Federal Register on June 24, 1988. Your comment was incorporated into the public docket as comment number NPL-U7-3-95-R3, dated 8/19/88, received 8/22/88.

EPA will evaluate and consider all comments postmarked by August 23, 1988, which is the end of the formal comment period. We will respond to all site specific comments in the Support Document which will be available in the public docket upon announcement of the final regulation in the Federal Register. EPA will respond to general comments regarding the NPL in the preamble to the final rule. Due to the large volume of public comments that is anticipated and the complexity of issues involved, EPA anticipates that as much as nine months may elapse after the close of the comment period before a final decision is made on sites included in this proposed rule.

If you have any questions regarding the proposed NPL, call Mr. Robert Myers, NPL Update #7 Coordinator, at (202) 475-9702. Questions regarding public docket information should be directed to Ms. Tina Maragousis, Superfund Docket Clerk at (202) 382-3046.

Sincerely,
Stephen A. Lingle
Stephen Lingle
Director

Hazardous Site Evaluation Division

AR200564



8/29/88
 SUSSEX COUNTY ENGINEERING
 DEPARTMENT
 RWW _____ MAI ✓
 RWA _____ RCG _____
 ITB _____
 TO LAUREL
 NPL
 R.D.
 T.M. [unclear]

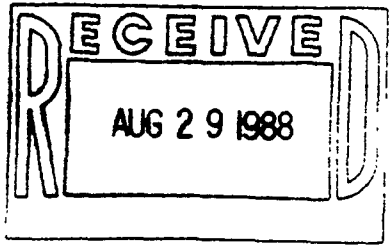
STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF AIR & WASTE MANAGEMENT
 89 KINGS HIGHWAY
 P.O. Box 1401
 DOVER, DELAWARE 19903

WASTE MANAGEMENT
 SECTION

TELEPHONE (302) 736-4781

August 25, 1988

Mr. Robert L. Stickels
 County Administrator
 Sussex County Courthouse
 P. O. Box 589
 Georgetown, DE 19947



Re: Laurel Landfill

Dear Mr. Stickels:

Enclosed is a copy of the letter we sent to U.S. EPA opposing the proposal to add the Laurel Landfill to the National Priorities List. We presented the argument that the recently executed memorandum of understanding is the appropriate way to manage ground water contamination caused by the landfill.

We will share EPA's response to this letter with you when it is received.

Sincerely,

Gary A. Molchan
 Manager

GAM:MAA:pd
 MAA88015

Attachment
 cc: Joseph Hardman

AR200565



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF AIR & WASTE MANAGEMENT
89 KINGS HIGHWAY
P.O. BOX 1401
DOVER, DELAWARE 19903

OFFICE OF THE
DIRECTOR

TELEPHONE: (302) 736-4765

August 22, 1988

Mr. Stephen Lingle, Director
Hazardous Site Evaluation Division (Attn: NPL Staff)
Office of Emergency and Remedial Response (WH-548A)
U.S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460

RE: Sussex County Landfill #5, Laurel, Delaware

Dear Mr. Lingle:

I am writing to oppose the proposed addition of the Sussex County Landfill (the "Laurel Landfill") to the National Priorities List (NPL). Our reasons for opposing the proposal to include the Laurel Landfill on the NPL were explained in a letter to J. Winston Porter from Secretary of DNREC John E. Wilson III dated September 17, 1987. (A copy of that letter is attached for reference.)

The Laurel Landfill was operated from 1970 to 1979 by Sussex County as a disposal site for mixed municipal/industrial solid waste which was generated in the Southwestern portion of Sussex County. Geohydrologic investigations and groundwater monitoring have been performed by a professional consultant (Roy F. Weston, Inc.) for Sussex County since 1978. The results of these investigations, the nature and extent of groundwater contamination and a proposed management plan for this contamination are documented in reports by Weston and by data in DNREC's files.

The area of the Laurel Landfill is very flat. Elevations across the site vary less than 10 feet. The wastes were buried in trenches excavated into the native sediments which are part of the Columbia Formation. The wastes are covered with approximately two feet of generally sandy material obtained locally.

The Columbia Formation contains the unconfined aquifer which is the source of all developed water supplies for domestic and agricultural uses in the vicinity of the landfill. The Columbia sediments at the Laurel Landfill are predominantly sandy, but have numerous silt-clay layers and lenses within 10 to

AR200566

Mr. Stephen Lingle

Page 2

15 feet of the land surface. The sediments generally become coarser with increasing depth and include very permeable coarse sand and fine gravel at the base of the formation, which is up to 110 feet below land surface.

The seasonal groundwater high is approximately 8 to 14 feet below land surface. However, because of the low permeability layers, water may locally saturate some of the buried wastes. Groundwater beneath the Laurel Landfill moves generally northward towards Broad Creek which is almost 2 miles away. Groundwater discharges at least seasonally to Collins and Culver Ditch and to Turkey Branch, which have at least intermittent flow and are tributaries of Broad Creek.

Groundwater in and adjacent to the Laurel Landfill is contaminated by water which percolates through the buried refuse. This contamination is characterized by elevated levels of dissolved salts, soluble iron and manganese and organic acids resulting from decomposition of the putrescible garbage in the landfill. Organic chemical compounds are generally not present in significant concentrations in the groundwater at the Laurel Landfill. Water from monitor wells in and immediately adjacent to the buried waste has had concentrations of volatile organic compounds (principally toluene) less than 100 parts per billion (ppb). Concentrations of total extractible organics have been less than 10 ppb. Monitor wells situated more than 300 feet downgradient of the landfill - though still on the landfill property - have detected less than 10 ppb of both total volatile organics and total extractible organics. Thus, the landfill threatens to degrade the quality of local well water supplies with objectionable color, taste and odor, but presents no significant threat to human health or the environment.

Laurel is essentially an old municipal landfill. An alternate to handling this site under Superfund would be to manage the local groundwater contamination more efficiently by existing State and local authorities. These authorities involve water well construction and withdrawal permitting and land use approvals respectively. As explained in our previously referenced correspondence of nearly a year ago, DNREC and Sussex County have been negotiating a formal agreement which would coordinate these respective authorities. This agreement has recently been executed as a Memorandum of Understanding (a copy of which is attached).

This agreement provides for the establishment of water well restriction zones which would preclude the contamination of water supplies. Within the so-called "no-well" zone, Sussex County would be responsible for providing water supplies for future use by the existing landowners. Notice of these well restrictions will be filed on the property deeds for these lands.

We believe that the provisions of this agreement provide an adequate means of protecting local land owners from contamination at the Laurel Landfill. In addition, the local environment will not be adversely impacted by the discharge of landfill contaminants at distant streams. Further, the cost of implementing this agreement will be much less than a Superfund Remedial Investigation/Feasibility Study. Finally, this agreement is already in place, so that the continued listing and substantial time involved in reaching a

AR200567

Stephen Lingle

Record of decision and implementing actions under Superfund would impact this Memorandum of Understanding negatively.

In short, an agreement as creative as this alternative to Superfund should be applied to municipal landfill sites in specific instances and has been developed to effectively manage the old Laurel Landfill. I trust you will be able to agree with our reasoning and not add the Laurel Landfill to the NPL. I look forward to your concurrence and would be most pleased to answer any questions on this matter.

Sincerely,

Phillip G. Retallick

Phillip G. Retallick
Director

MAA:iu
MAA88011

Attachments

AR200568

AR200568



3/22/88

March 21, 1988

Mr. Michael Izzo
Civil Engineer
Sussex County Engineering Department
P.O. Box 589
Georgetown, DE 19946

Subject: Sussex County Landfill #5 Project/Potentially
Responsible Party Search

Dear Mr. Izzo:

This letter is to follow up last week's telephone discussion between you and Newton Rose of RAI. As you are aware, Resource Applications, Inc. (RAI) has been working on the subject project under contract to U.S. Environmental Protection Agency, Region III, Philadelphia, PA. RAI submitted its Final PRP Report to EPA in September, 1987. EPA has reviewed the report and has comments that must be addressed. We respectfully request the county's assistance in providing information on the following:

1. Provide information on the history of the landfill prior to 1970.
2. In previous discussions with RAI, you and Ms. Helen Walls stated that the records concerning the landfill were destroyed at the time of its closure. EPA is interested in learning complete details concerning record destruction at Landfill #5; namely, what records were destroyed, why were they destroyed, when were they destroyed, how were they destroyed and are there any witnesses available who might have watched them being destroyed. Is there any possibility that these records can be retrieved?
3. Do you or any other individual have any knowledge about:
(1) the wastes disposed of by Du Pont; and (2) who transported these wastes to the landfill?

To provide this information to EPA, RAI would appreciate if in-person discussions between RAI Project Staff and knowledgeable county officials, particularly those at the landfill operations office, could be held on March 22, 1988.

RAI has also been authorized by EPA to perform a site visit, and interview the private citizens living around the landfill. Our staff will also perform these interviews on March 22, 1988.

Thank you.

Sincerely,

RESOURCE APPLICATIONS, INC.

Tara Singh
Tara Singh, Ph.D., P.E.,
President

cc: Ms. Elaine Spiewak, EPA Region III

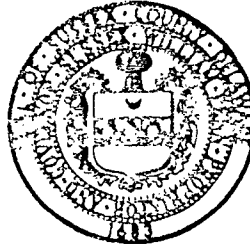
Mr. Christopher Corbett, EPA Region III

G:\PJT\SUS.LTR.

AR200570

Sussex County

ENGINEERING DEPARTMENT



8 NORTH RACE STREET
P O BOX 589
GEORGETOWN, DELAWARE 19947
302-855-7718

March 23, 1988

Mr. Abraham Thomas, P.G.
Sr. Proj. Geologist
Earth Science Department
Roy F. Weston, Inc.
Weston Way
West Chester, PA 19380

REF: SUSSEX COUNTY LANDFILL NO. 5

Dear Mr. Thomas:

Please review the attached correspondence from Resource Applications, Inc. which we discussed on March 22, 1988. I believe this is matter which we should address as soon as possible. When you have had sufficient time to review this correspondence, please contact me.

Thank you.

Sincerely,

SUSSEX COUNTY ENGINEERING DEPARTMENT

Michael A. Izzo
Acting County Engineer

Attachment

MAI:jed

cc: Mr. Frederick Mertes
Robert V. Witsil, Jr., Esq.
Mr. Robert L. Stickels
Mr. John Argo
Mr. Thomas Drew

AR200571



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 EDWARD PATMALL BUILDING
 DOVER, DELAWARE 19901

JV
 FILE
 9/21

RECEIVED

SEP 23 1987

PHONE (302) 678-1111

OFFICE OF THE
 SECRETARY

DEPUTY DIRECTOR
 DIV. OF WATER RES.

RECEIVED

SEP 21 1987

September 17, 1987

Mr. J. Winston Porter
 Assistant Administrator - WE-562A
 U.S. EPA Headquarters
 401 M Street, S.W.
 Washington, DC 20460

Subject: Sussex County Municipal Landfill #5, Laurel, Delaware

Dear Mr. Porter:

We were pleased to receive a copy of the memorandum Listing Municipal Landfills on the National Priorities List by Henry L. Longest, II, dated August 21, 1987. The revised policy has proposed listing sites where demonstrable hazardous waste contamination exists without the need for documentation that hazardous waste disposal has occurred at the site. Certainly a number of such sites represent a serious environmental threat to our resources.

As you are aware from our conversation in Washington, we share the view stated in the revised policy that "it is important to ensure that the Superfund program focuses on the cleanup of hazardous waste sites that cannot be addressed sufficiently by another authority." This statement recognizes that authorities other than Superfund are appropriate in resolving problems of waste site contamination. We agree with the use of an appropriate evaluation and remediation process to address environmental threats in addition to Superfund, which should be reserved for sites which are truly serious environmental priorities.

In writing to support EPA's revised policy on municipal sites, I also wish to advise you how we are addressing environmental threats at a number of municipal landfills in Delaware with State authority as an alternative to Superfund. First, I should explain that virtually our entire State lies within the Atlantic Coastal Plain physiographic province; a relatively flat-lying area underlain by unconsolidated sediments. The surficial sediments are generally permeable sands; the water table is generally within ten feet of the land surface and the population in 80% of our land area derives its water supplies from ground water. Therefore, Delaware is generally vulnerable to contamination; and clean ground water is vital to the health and well being of our people, economy and environment.

AR200572

Mr. J. Winston Porter
September 17, 1987
Page 2

We have found through experience that ground water contamination at municipal landfills in Delaware usually has measurable hazardous compounds including heavy metals and volatile organic compounds. However, these hazardous constituents are generally present at relatively low concentrations and do not pose a significant threat to the environment.

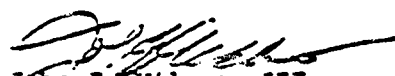
At the Laurel landfill in Sussex County, we have determined that it would be much more effective to require the County (owner/operator) to provide alternative safe water supplies immediately than to evaluate and remediate the contamination. In concert with requiring the provision of water, existing State authority is employed to prevent the construction of new wells in the path of contamination, to restrict water withdrawal rates in the natural path of contaminant migration, and properly manage and close the site. Such action guarantees protection for both existing and future water users without the uncertainties inherent in relying on complex aquifer decontamination and monitoring programs.

After nearly a decade of having Sussex County investigate and evaluate the environmental impacts of its municipal landfills, we are on the verge of executing a memorandum of understanding with the county which would officially authorize provision of adequate water to local downgradient well owners as an acceptable alternative to the elimination of the contaminants which pose a threat to human health and the environment.

We believe that our approach to solving this problem in Delaware is consistent with EPA's recent policy. Certainly where substantial effort has been expended and progress is now being made to improve the environmental quality, it is unnecessary to include these sites on the NPL.

We would be pleased to provide a briefing to EPA on the management of the Laurel Landfill site which we intend to handle under State authority outside the Superfund process. Concurrently, we will continue to pursue evaluation and remediation of the hazardous waste problems that pose a serious health and environmental threat to the citizens of Delaware through the Superfund program.

Sincerely,


John Z. Wilson, III
Secretary

JEW:GAM:krc
SC87015

cc: Stephen R. Wassersug, EPA Region III
Phillip G. Retallick, DNREC
Gary A. Molchan, DNREC
Joel Karmazyn, EPA

AR200573

SCHMELTZER, APTAKER & SHEPPARD, P.C.

COUNSELORS AT LAW

1800 MASSACHUSETTS AVENUE, NORTHWEST

WASHINGTON, D.C. 20036-1879

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202 828-1000

COUNSEL

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MARGARET A. FREESTON

SUZANNE LANGFORD SANFORD*

EDWARD SCHMELTZER
EDWARD J. SHEPPARD IV
J. THOMAS ESSLINGER
RA MICHAEL SHEPARD
GEORGE J. WEINER
MICHAEL A. BROWN
PAUL M. HELLMAN
STEPHEN HORN
PAUL M. SCHNIGBERG
CHRISTOPHER HARRIS

11
AM ROGER TRUITT
ROBERT L. ZISK
PATRICK O. CAFFAUGH
DEANA FRANCES DUDLEY
ROBERT L. DUSTON
KATHERINE BREWER
DOHAVEE A. BERGER
MARY ROSE KORNREICH, PH.D.
CHRISTINE R. PEMBROKE*
DEBORAH ANN KLINE*

*NOT ADMITTED IN D.C.

June 28, 1988

Robert V. Witsil, Jr., Esq.
Legal Counsel to Sussex County
P.O. Box 589
Georgetown, Delaware 19947

Dear Rob:

As a follow-up to our telephone conversation today, I am enclosing the Hazard Ranking System ("HRS") documentation compiled by the U.S. Environmental Protection Agency ("EPA") for former Sussex County Landfill No. 5 near Laurel, Delaware. You should note that this landfill barely made EPA's cutoff score (28.5) for the HRS and, therefore, may be a prime candidate for reconsideration if it can be demonstrated that one or more aspects of the scoring is in error.

In this regard, our firm filed comments last year on behalf of New Castle County's Pigeon Point Landfill which, to date, has not been listed on the final National Priorities List ("NPL"). As you can see, the comments tend to reflect both legal and technical considerations and require some in-depth analysis and presentation of some fairly voluminous technical material, which I have not included with the enclosure. Based on our previous discussions and your efforts to reach a memorandum of understanding with DNREC concerning landfill matters, I believe you can appreciate the importance of preventing a site from final listing on the NPL. Please note that the comment period for Proposed Update No. 7 ends on August 23, 1988.

I have also enclosed an outline entitled "Issues in Obtaining Insurance Coverage for Environmental Litigation and Claims" which was prepared by our firm. As you will recall from the materials I have previously forwarded to you, recent opinions in the landfill insurance litigation in New Castle County indicate a liberal judicial attitude towards insureds and an insurance company's "duty to defend". We have discussed reviewing the

AR200574

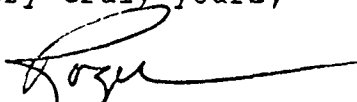
SCHMELTZER, APTAKER & SHEPPARD, P.C.

Robert V. Witsil, Jr., Esq.
June 28, 1988
Page 2

County's insurance policies dating back to the opening of the landfills (approximately 1970) and I will meet with you in Georgetown on Friday, July 8 at 9:00 a.m. to discuss this further. It would be helpful to also review at that time any correspondence with DNREC or EPA which orders the County to take specific action with regard to landfill matters.

In the meantime, if you have any questions do not hesitate to contact me.

Very truly yours,



Wm. Roger Truitt

Enclosures

AR200575

SCHMELTZER, APTAKER & SHEPPARD, P.C.

COUNSELORS AT LAW

1800 MASSACHUSETTS AVENUE, NORTHWEST
WASHINGTON, D.C. 20036-879

CABLE SHIP UI TELEX 440517
202 828-0000

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PAUL M. HEYLMAN
STEPHEN HORN
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CHRISTOPHER HARRIS

COUNSEL
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SUZANNE LANGFORD SANFORD

AN ROGER TRUITT
ROBERT L. ISA
PATRICK O. CALANAUGH
DEANA FRANCES DUOLEY
ROBERT L. DUSTON
KATHERINE BREWER
DONAVEE A. BERGER
MARY ROSE KORNREICH PH.D.
CHRISTINE R. PEMBRONE
DEBORAH A. KLINE

July 12, 1988

NOT ADMITTED IN D.C.

Robert V. Witsil, Jr., Esquire
Legal Counsel to Sussex County
Courthouse
P. O. Box 589
Georgetown, Delaware 19947

RECEIVED 7/18/88
DEPARTMENT OF ENVIRONMENTAL ENGINEERING
DEPARTMENT
LAURENT

Dear Rob:

Thanks for the opportunity to meet with you and Mike Izzo last Wednesday to discuss Sussex County landfill matters.

As we discussed, it appears that there is a very good basis upon which to contend that Sussex County Landfill No. 5 should not be included on the National Priorities List ("NPL") because the Hazard Ranking System ("HRS") scoring for the groundwater route "targets" factor appears to be arbitrarily high. In addition, the "observed release" factor could be questioned if existing monitoring data indicates that hazardous substances have been found only within the landfill itself. Finally, there appear to be some good legal arguments that can be asserted, including whether the existing HRS, which was required to be amended by EPA this past March, can be used to evaluate and list sites at this time and whether the County's proposed Memorandum of Understanding with DNREC, if executed, would preclude listing under EPA's evolving Municipal Landfill Policy.

While most sites proposed for the NPL are listed eventually, Landfill No. 5's HRS score (28.9) is so close to the listing threshold (28.5) that it is a prime candidate for a non-listing decision. In order to meet the August 23, 1988 deadline for comments, it would seem prudent for you to quickly assemble a technical/legal team to ensure that all relevant points are made in an effective way (see enclosed article concerning D.C. Court of Appeals' rejection of landfill owner's appeal of NPL decision because owner's comments were not specific enough and poorly structured). To date, it appears that this approach has helped prevent New Castle County's Pigeon Point site from final listing,

AR200576

Robert V. Witsil, Jr., Esquire
July 12, 1988
Page 2

even though it was proposed in January, 1987. As you will recall, I enclosed a copy of comments filed by our firm on behalf of New Castle County with my June 28 letter.

With regard to our discussion concerning potential insurance coverage, please note that an insurer's duty to defend can include the payment of legal fees as well as technical consulting expenses incurred in support of anticipated litigation or in defining and implementing remedial action. However, it is first necessary to put the insurance company(ies) on notice of outstanding claims, which can include demand letters from the state or federal regulatory authorities. In view of the circumstances surrounding Landfill No. 1 (Walker's Mill) and Landfill No. 5 (proposed listing on NPL), you should consider notifying all known or suspected liability carriers that have been on the risk since these landfills were first opened. Please refer to the insurance outline that was enclosed with my June 28 letter for further information on ascertaining who are the relevant carriers and strategies for making claims.

If you or other County officials wish to discuss these matters further, do not hesitate to contact me.

Very truly yours,



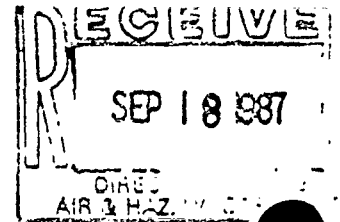
Wm. Roger Truitt

Enclosures

cc: Mr. Michael Izzo

AR200577

TO Key Wilson
PHE
Phil R.

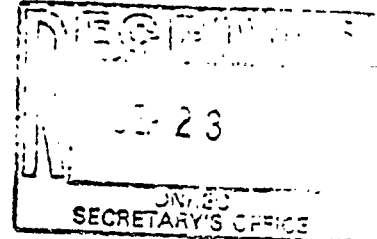


STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF AIR & WASTE MANAGEMENT
89 KINGS HIGHWAY
PO BOX 1401
DOVER DELAWARE 19903

WASTE MANAGEMENT
SECTION

TELEPHONE (302) 738-41

September 17, 1987



Mr. Joel Karmazyn
U.S. EPA
RCRA Support Section 3HW34
841 Chestnut Building
Philadelphia, PA 19101

RE: Sussex County Municipal Landfill #5, Laurel, Delaware

Dear Mr. Karmazyn:

I am writing to express our position with respect to the proposed update #7 HPL listing for the Laurel Landfill located in the State of Delaware. We have reviewed the policy memorandum dated August 21, 1987, on this subject, and have provided the attached information in light of this revised interpretation regarding use of other authorities in lieu of Superfund. In an effort to the use of other authorities in the State of Delaware, the Department of Natural Resources has been working with Sussex County to resolve, through formal agreement the environmental management of the Sussex County Landfills contamination. Negotiation concerning this Memorandum of Agreement is in the final stages. Attached you will find background documentation which identifies:

- A. Groundwater Quality Management Plan, July 1983
- B. 1. County Resolutions for zoning
2. County Resolution for building permits surrounding these sites
- C. Subsequent correspondence pertaining to the Memorandum of Agreement
- D. Regulations Governing the Construction of Water Wells, January 1987
- E. Relevant correspondence with respect to installation of public water systems not specific to Laurel
- F. Regulations Governing Solid Waste Disposal

The program we have developed is applicable to all six Sussex County sites. Information is provided to present a clear picture of the existing accomplishments and progress in managing the sites with an emphasis on environmental results.

AR200578

Mr. Joel Karmazyn
Page 2
September 17, 1987

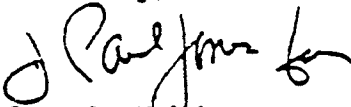
The program contains State policies to support the concept of "attenuation of contaminants in aquifers" within documents developed in 1983. At the Angola Landfill site, Tidewater Utilities has already expressed interest in providing a potable water source to the affected population through existing water service agreements with Sussex County. Similar agreements are applicable in the Laurel site area.

Although a clear control mechanism is not available in many states, regulations exist in Delaware to control local zoning and building in areas surrounding the landfills. Additionally, permits for potential groundwater wells throughout the State are required.

Clearly, the information contained herein identifies the existence of State authorities that are presently being utilized to protect human health and the environment through mechanisms acceptable to the State of Delaware. These authorities are being utilized in an effort to resolve problems of waste site contamination without use of Superfund monies in an effort to reserve the superfund program for sites which truly pose a significant threat to the environment and population of the State of Delaware.

Should you require further documentation or additional clarification of the facts which are presented here to preclude proposal of this site to the NPL, please do not hesitate to contact me.

Sincerely,



Gary A. Malchan
Manager

GAM:sc
sc87019

cc: R. Wayne Ashbee
Kenneth R. Kryszczun
Phillip G. Retallick

AR200579

VOLUME III

SUSSEX COUNTY LANDFILL NO. 5
104(e) CER RESPONSE
INFORMATION

APPENDIX I-1

AR200580

APPENDIX I
INVESTIGATIVE ACTIVITIES AND RESULTS
FOR THE LAUREL LANDFILL

AR200581

APPENDIX I-1
CORRESPONDENCE

AR200582

Solid Waste Management Plan
Sussex County, Delaware

Albert R. Capellini
Albert R. Capellini, P.E.
Project Engineer

Michael E. Harris
Michael E. Harris, P.E.
Senior Project Engineer

James H. Dougherty
James H. Dougherty, P.E.
Principal-in-Charge

January 1979

ROY F. WESTON, INC.
DESIGNERS - CONSULTANTS
Weston Way
West Chester, Pennsylvania 19380
(215) 692-3030

AR200583

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MAR 01 1979
DELAWARE SOLID
WASTE AUTHORITY

Operation of new areas will require a lined landfill with facilities for leachate collection and treatment, proper venting of methane gas, monitoring wells, and suitable operational procedures. In addition, proper closure procedures would be required with continuous maintenance and well monitoring for at least five years as required by DNREC.

3.6.5.6 Landfill No. 5

Sussex County Landfill No. 5 is located near Horsey's Grove Church, just off Route 494 (Figures 3-21 and 3-22). The site encompasses an area of 39 acres, serving an estimated population of 12,000. The total usable volume of Landfill No. 5 was estimated at 396,000 cu yd, with 41 percent remaining. At the present incoming volume of 116,000 cu yd/yr, the estimated life is 14 months. Soil classification of Landfill No. 5 area is considered to be a combination, as classified by the USDA Soil Conservation Service, of Klej (Kl) and Osier (OS). Both are loamy sand with rapid permeability and a depth to seasonal water table of 0 to 2 feet.

Landfill No. 5, at present, does not have provisions for an environmental control system such as an impermeable liner, facilities for collection and treatment of leachate, or any groundwater monitoring program. The operation is contracted to Hudson Transfer & Construction Inc., who is in the last year of a three-year competitive-bid contract.

According to regulations set forth by the DNREC, Landfill No. 5 is not in compliance, but will be by January 1981. After this date DNREC regulations require that each site must be lined with an impermeable liner, leachate collected and treated, and groundwater monitoring wells and proper cover installed. Monitoring of methane gas and quarterly groundwater monitoring reports are also required.

Since two years of life is estimated to remain at the present level of incoming waste, it is expected that the site will be completed before January 1981. However, proper covering and grading for the completed areas, cells 3-15 and cell 1, is required (approximately 27 acres). Proper top slopes of 2 percent and side slopes of 3:1 (3 horizontal, 1 vertical) are recommended.

Cover material acceptable to the DNREC should be used (preferably sandy-clay). Final cover should be 2 feet in depth and compacted to minimize infiltration of rain water through the fill. Additional cover material for vegetation support may be required. Properly engineered drainage swales for interception of runoff should be incorporated. Monitoring wells should be installed along the perimeter of the site (two up-gradient and three down-gradient). After placement of final cover, proper vegetation should be established to prevent erosion and loss of cover material.

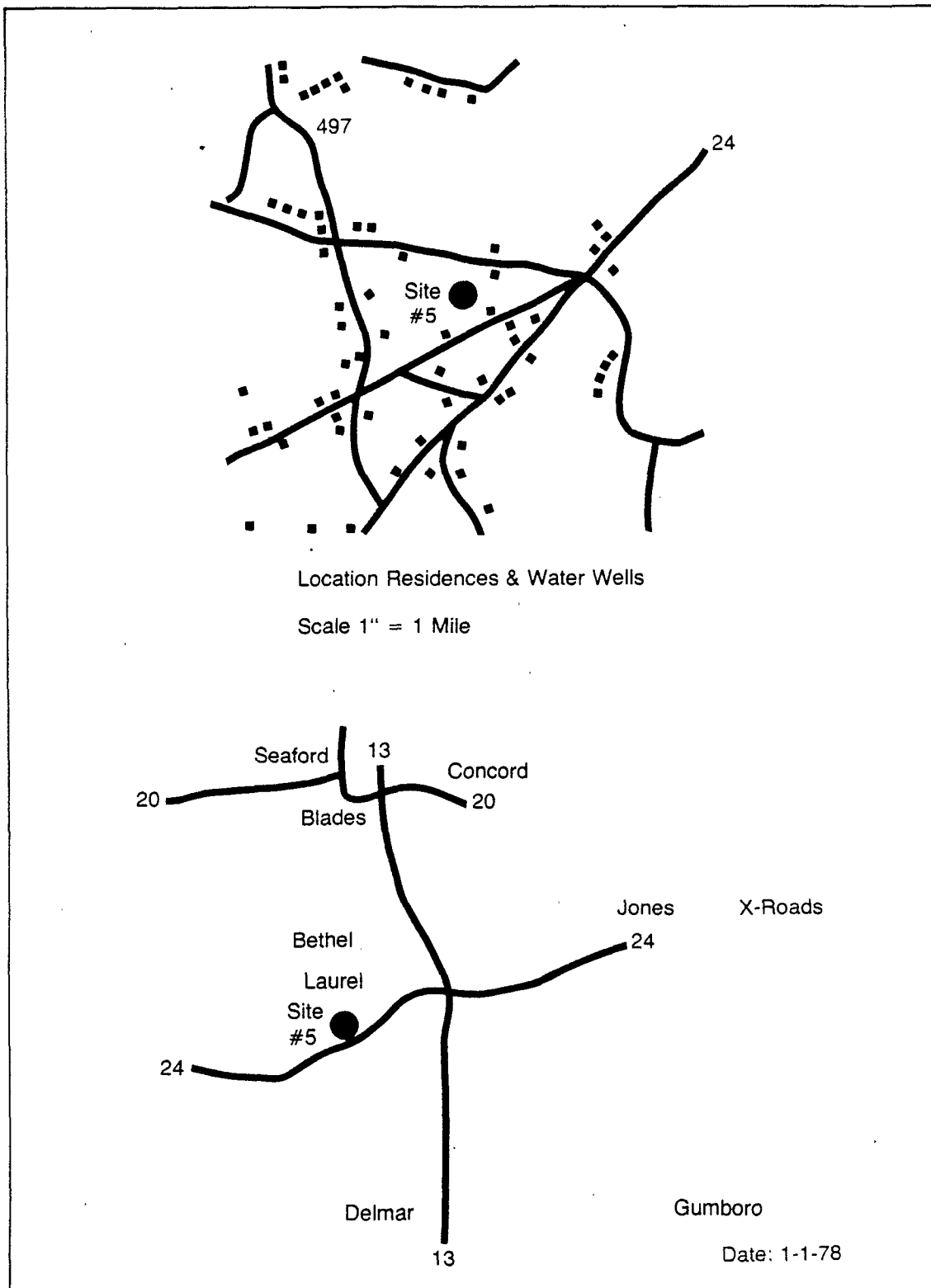


FIGURE 3-21 LANDFILL NO. 5 LOCATION MAP

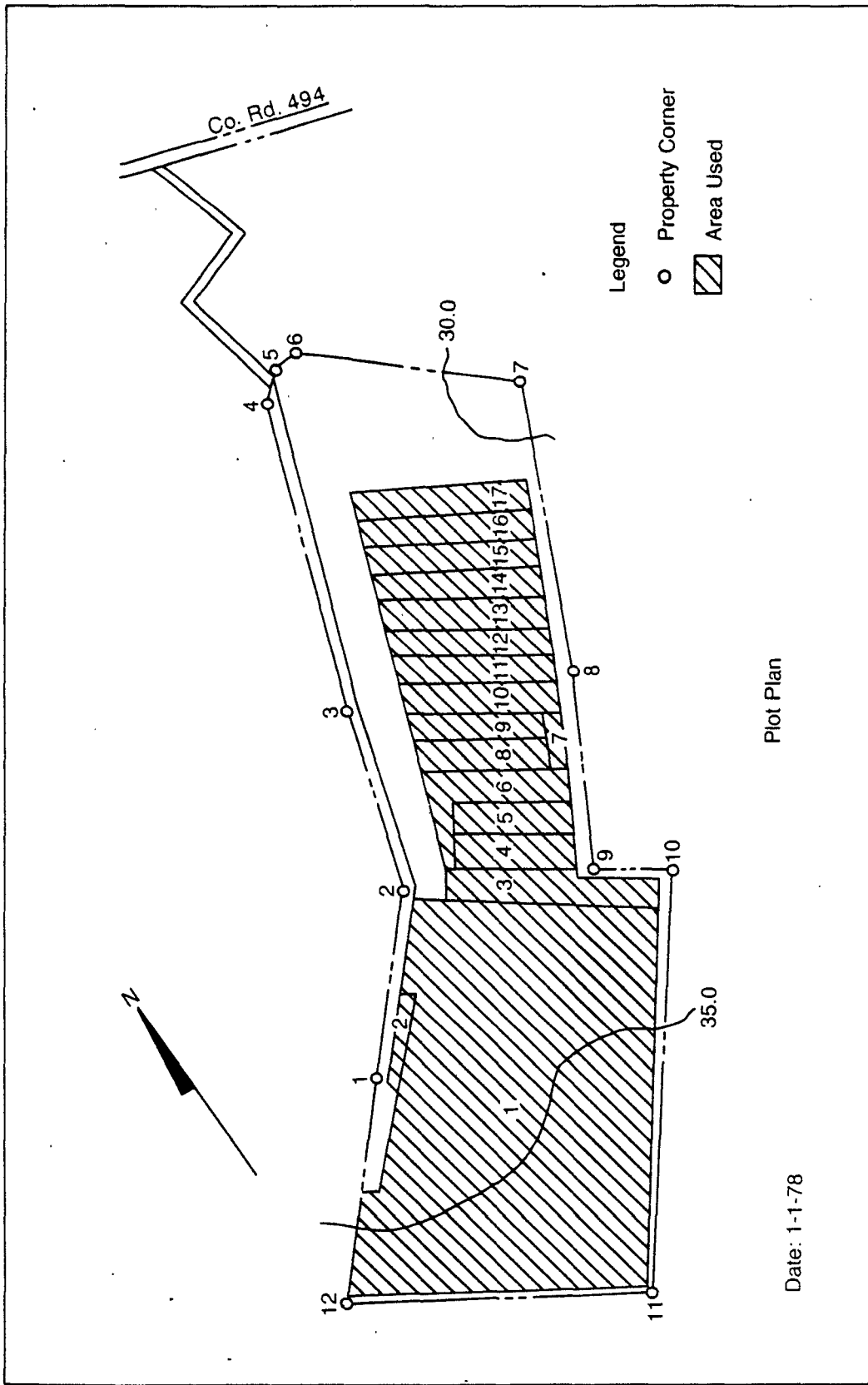


FIGURE 3-22 LANDFILL NO. 5 PLOT PLAN



Continued maintenance and monitoring of the completed site, maintenance of proper grades and vegetative cover, repair of any eroded areas, and gas and groundwater monitoring will be required for as long as DNREC deems feasible (minimum of 5 years).



WESTON WAY
WEST CHESTER, PA. 19380
PHONE (215) 692-3030
TELEX 83-5348

26 September 1979

Mr. Joseph T. Conaway
County Administrator
Sussex County
Courthouse
Georgetown, DE 19947

Dear Mr. Conaway:

As you know, the installation of monitoring wells in accordance with the Delaware Department of Natural Resources and Environmental Control (DNREC) regulations in the six existing landfills in Sussex County has been completed except for the two wells in Omar Landfill. These two wells in Omar landfill could not be constructed due to accessibility problems. We made an in vain attempt to make a road to this site by using a backhoe. After a field meeting with Messrs. Argo and Wyatt at Omar Landfill on 13 September 1979, Mr. Wyatt has obtained right-of-way to get to this site through the adjacent farmland immediately after the harvesting of soybeans in the field. We will construct these two wells as soon as the site is accessible.

We will replace the destroyed well in Laurel Landfill shortly. As requested by you, we will keep the cost of construction of this well separately.

In the letter dated 30 June 1979 from the State of Delaware DNREC, Water Resources Section to Mr. Brotherton, they required the county to include the following items in the ground water monitoring report to be prepared by us:

1. Cross-sections describing the characteristics of the sediments underlying the site.
2. The depth of water beneath the site.
3. A water table contour map contoured on water table elevations.
4. A description of the ground water flow directions based on the water table contour map.

AR200588

5. Nature of the underlying aquifer.
6. Potential for vertical movement of contaminants.
7. The quality of the ground water underlying the landfill.
8. The quality of the water in the background well.
9. An interpretation of whether the landfill appears to be contaminating the ground water.
10. Position of the refuse relative to the water table.
11. An analysis of the ground water for the following chemical components:

TOC (total organic carbon), COD, specific conductance, pH, chloride, organic nitrogen, ammonia nitrogen, nitrate nitrogen, phenol, iron, copper, manganese, chromium, zinc, lead, cadmium, mercury, arsenic, selenium, total dissolved solids, sulfate, pesticides (from the upgradient well and one shallow well).

As this sampling, analysis and report was beyond the scope of the monitoring well construction project, we informed Mr. Brotherton that we would meet with the County to discuss the revised scope of work and to modify the budget upon completion of the well construction.

We feel that the sampling and analysis program recommended by the State is a very detailed and expensive one. In this early stage of landfill monitoring, we do not think that we should go in for that detailed analysis. Moreover, there are no suspected or reported dumping of pesticides in any of these landfills to warrant the extensive analysis for pesticides at this time. The fact that all of these landfills are surrounded by farmlands also should be considered when thinking of pesticide analysis.

At present we have only a very generalized sampling system in these landfills. Therefore, we recommend a step-by-step approach for sampling and analysis.



Mr. Joseph T. Conaway

-3-

26 September 1979

As Step No. 1, we propose to conduct a generalized sampling and analysis. In this step we recommend sampling and analysis for a key indicator group as opposed to all the parameters for all the wells as mentioned in the letter from DNREC. The proposed key indicator group includes TOC, COD, specific conductance, pH, chloride, ammonia-nitrogen, iron, manganese and total dissolved solids. The analysis of these highly sensitive analytical parameters can be performed accurately at a relatively low cost. The results of this analysis will indicate the presence or absence of leachate and will provide information regarding inorganic and organic constituents of the ground water sample. Data obtained from the key indicator analyses have value in and of themselves. In addition, the data obtained from several indicator analyses can be cross-correlated and interpreted so that even more insight can be gained about the nature of the contamination.

Additional analyses may have to be performed to provide more positive verification of contamination which has been indicated by the key indicator analyses group. We see this as a second step to be approached conservatively from both a technical and cost standpoint.

Our recommended step-by-step approach in sampling and analysis program will allow the County to meet the objectives of monitoring at a comparatively low cost. This will also give us the preliminary data necessary to assess the impact of past disposal practices at Sussex County landfills. Based on the nature of contamination indicated by the data generated, we will provide you a proposal for assessing the present and future impact and to determine short and long-term corrective actions.

The cost of the proposed services are as follows:

Sampling and analysis as outlined in Step No. 1	\$5,066.00
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(This program cost will include field sampling of all the 30 monitoring wells, analysis and related expenses.)

Data review, analysis and preparation of a report containing the information re- quested by the State.	\$2,192.00
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TOTAL ESTIMATED PROBABLE COST	\$7,258.00
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AR200590



Mr. Joseph T. Conaway

-4-

26 September 1979

It is proposed that the above-outlined project be performed on the basis of hourly charges for personnel plus direct expenses. It is expected that the services outlined herein can be accomplished for the ESTIMATED PROBABLE COST. Only those costs incurred will be charged, but they will not exceed the ESTIMATED PROBABLE COST without the Client's prior approval. To avoid misunderstanding, it should be emphasized that the ESTIMATED PROBABLE COST is an estimated maximum, which we fully expect will cover the services herein described, but no guarantee is made or implied.

Weston can begin sampling and analysis immediately in the landfill where installation of the monitoring wells has been completed upon your authorization to proceed. A prompt authorization would enable us to collect samples before winter weather conditions. This authorization will be subject to the terms and conditions of our present contract.

Very truly yours,

ROY F. WESTON, INC.

James H. Dougherty, P.E.
Vice President

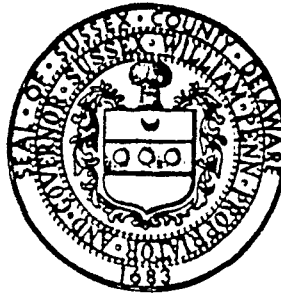
Abraham Thomas, P.G.
Project Manager

JHD/AT:drc

cc: Rodney L. Wyatt

AR200591

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE 19947
302-856-7701

MEMORANDUM:

TO: Mr. Joseph T. Conaway
Sussex County Administrator

FROM: Rodney L. Wyatt *RLW.*
Public Works Engineer

RE: SUSSEX COUNTY LANDFILL MONITORING WELLS

DATE: October 15, 1979

As you know, the step-by-step approach for sampling and analysis for key indicator groups has been approved by the DNREC. Attached are Proposals of the Total Estimated Probable Cost from Weston, Richardson Associates, and Delmarva Labs.

After reviewing these Proposals, my recommended choice is Weston for the following reasons:

1. They are the lowest bidder;
2. They did the installation of the monitoring wells; and
3. They have the in-house capability to do geological work.

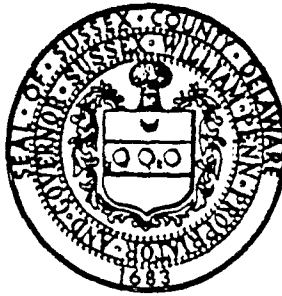
The selected choice of the County can begin sampling and analysis immediately in those landfills where installation of the monitoring wells has been completed thereby enabling the collection of samples before winter weather conditions present any problems.

cat

Attachments: 3

AR200592

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



Sussex Count.
COURTHOUSE
GEORGETOWN, DELAWARE 199
302-856-7701

October 16, 1979

Mr. James H. Dougherty, P.E.
Vice President
Weston
Environmental Consultants-Designers
Weston Way
West Chester, PA 19380

Dear Mr. Dougherty:

The Sussex County Council, at its regularly scheduled meeting of October 16, 1979, accepted your proposal, as contained within your letter of September 26, 1979 to me, to conduct a sampling and analysis program for the six (6) Sussex County landfills. Please contact Mr. Rodney Wyatt of my staff to coordinate this program with the County.

I want to thank you for your efforts on behalf of the County and especially those of Abe Thomas. The County would like to see this project begin as soon as possible.

Thank you once again for your efforts and we look forward to continued cooperation and success in our work with Weston.

Yours truly,

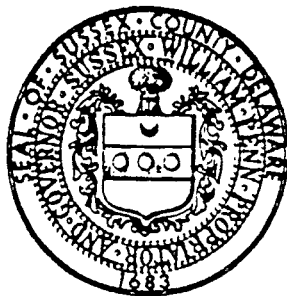
Joseph T. Conaway,
County Administrator

JTC/nc

cc: Rodney L. Wyatt ✓
John P. Argo
Thomas P. Eichler
Abraham Thomas, P.G.

AR200593

JOSEPH T. CONAWAY
COUNTY ADMINISTRATOR



15
Sussex County

COURTHOUSE
GEORGETOWN, DELAWARE 19947
302-856-7701

October 16, 1979

Mr. Thomas P. Eichler
Director
State of Delaware
Department of Natural Resources
and Environmental Control
Division of Environmental Control
Edward Tatnall Building
Dover, DE 19901

Dear Mr. Eichler:

The Sussex County Council, at its regularly scheduled meeting of October 16, 1979, authorized Weston Associates to proceed with the sampling and analysis program as contained within their proposal of September 26, 1979 (copy of proposal enclosed). It is our understanding that the Division of Environmental Control has agreed to the parameters of this proposal.

Work will begin as soon as possible. Thank you for your continued cooperation.

Yours truly,

Joseph T. Conaway
County Administrator

JTC/nc

Enclosure

cc: Rodney L. Wyatt ✓
John P. Argo
James H. Dougherty, P.E.
Abraham Thomas, P.G.

AR200594



WESTON WAY
WEST CHESTER, PA. 19380
PHONE: (215) 692-3030
TELEX: 83-5348

26 September 1979

Mr. Joseph T. Conaway
County Administrator
Sussex County
Courthouse
Georgetown, DE 19947

Dear Mr. Conaway:

As you know, the installation of monitoring wells in accordance with the Delaware Department of Natural Resources and Environmental Control (DNREC) regulations in the six existing landfills in Sussex County has been completed except for the two wells in Omar Landfill. These two wells in Omar landfill could not be constructed due to accessibility problems. We made an in vain attempt to make a road to this site by using a backhoe. After a field meeting with Messrs. Argo and Wyatt at Omar Landfill on 13 September 1979, Mr. Wyatt has obtained right-of-way to get to this site through the adjacent farmland immediately after the harvesting of soybeans in the field. We will construct these two wells as soon as the site is accessible.

We will replace the destroyed well in Laurel Landfill shortly. As requested by you, we will keep the cost of construction of this well separately.

In the letter dated 30 June 1979 from the State of Delaware DNREC, Water Resources Section to Mr. Brotherton, they required the county to include the following items in the ground water monitoring report to be prepared by us:

1. Cross-sections describing the characteristics of the sediments underlying the site.
2. The depth of water beneath the site.
3. A water table contour map contoured on water table elevations.
4. A description of the ground water flow directions based on the water table contour map.

AR200595

5. Nature of the underlying aquifer.
6. Potential for vertical movement of contaminants.
7. The quality of the ground water underlying the landfill.
8. The quality of the water in the background well.
9. An interpretation of whether the landfill appears to be contaminating the ground water.
10. Position of the refuse relative to the water table.
11. An analysis of the ground water for the following chemical components:

TOC (total organic carbon), COD, specific conductance, pH, chloride, organic nitrogen, ammonia nitrogen, nitrate nitrogen, phenol, iron, copper, manganese, chromium, zinc, lead, cadmium, mercury, arsenic, selenium, total dissolved solids, sulfate, pesticides (from the upgradient well and one shallow well).

As this sampling, analysis and report was beyond the scope of the monitoring well construction project, we informed Mr. Brotherton that we would meet with the County to discuss the revised scope of work and to modify the budget upon completion of the well construction.

We feel that the sampling and analysis program recommended by the State is a very detailed and expensive one. In this early stage of landfill monitoring, we do not think that we should go in for that detailed analysis. Moreover, there are no suspected or reported dumping of pesticides in any of these landfills to warrant the extensive analysis for pesticides at this time. The fact that all of these landfills are surrounded by farmlands also should be considered when thinking of pesticide analysis.

At present we have only a very generalized sampling system in these landfills. Therefore, we recommend a step-by-step approach for sampling and analysis.



Mr. Joseph T. Conaway

-3-

26 September 1979

As Step No. 1, we propose to conduct a generalized sampling and analysis. In this step we recommend sampling and analysis for a key indicator group as opposed to all the parameters for all the wells as mentioned in the letter from DNREC. The proposed key indicator group includes TOC, COD, specific conductance, pH, chloride, ammonia-nitrogen, iron, manganese and total dissolved solids. The analysis of these highly sensitive analytical parameters can be performed accurately at a relatively low cost. The results of this analysis will indicate the presence or absence of leachate and will provide information regarding inorganic and organic constituents of the ground water sample. Data obtained from the key indicator analyses have value in and of themselves. In addition, the data obtained from several indicator analyses can be cross-correlated and interpreted so that even more insight can be gained about the nature of the contamination.

Additional analyses may have to be performed to provide more positive verification of contamination which has been indicated by the key indicator analyses group. We see this as a second step to be approached conservatively from both a technical and cost standpoint.

Our recommended step-by-step approach in sampling and analysis program will allow the County to meet the objectives of monitoring at a comparatively low cost. This will also give us the preliminary data necessary to assess the impact of past disposal practices at Sussex County landfills. Based on the nature of contamination indicated by the data generated, we will provide you a proposal for assessing the present and future impact and to determine short and long-term corrective actions.

The cost of the proposed services are as follows:

Sampling and analysis as outlined in Step No. 1	\$5,066.00
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(This program cost will include field sampling of all the 30 monitoring wells, analysis and related expenses.)

Data review, analysis and preparation of a report containing the information re- quested by the State.	\$2,192.00
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TOTAL ESTIMATED PROBABLE COST	\$7,258.00
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AR200597



Mr. Joseph T. Conaway

-4-

26 September 1979

It is proposed that the above-outlined project be performed on the basis of hourly charges for personnel plus direct expenses. It is expected that the services outlined herein can be accomplished for the ESTIMATED PROBABLE COST. Only those costs incurred will be charged, but they will not exceed the ESTIMATED PROBABLE COST without the Client's prior approval. To avoid misunderstanding, it should be emphasized that the ESTIMATED PROBABLE COST is an estimated maximum, which we fully expect will cover the services herein described, but no guarantee is made or implied.

Weston can begin sampling and analysis immediately in the landfill where installation of the monitoring wells has been completed upon your authorization to proceed. A prompt authorization would enable us to collect samples before winter weather conditions. This authorization will be subject to the terms and conditions of our present contract.

Very truly yours,

ROY F. WESTON, INC.

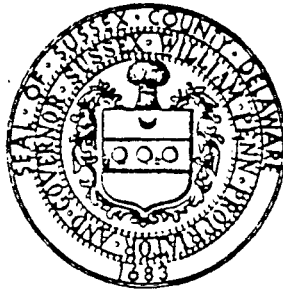
James H. Dougherty, P.E.
Vice President

Abraham Thomas, P.G.
Project Manager

JHD/AT:drc

cc: Rodney L. Wyatt

AR200598



November 26, 1979

Mrs. Lewis M. Purnell
President
Association of Concerned Taxpayers
Route 2, Box 98
Millsboro, DE 19966

RE: SUSSEX COUNTY LANDFILL MONITORING WELLS

Dear Mrs. Purnell:

As you requested in your letter dated November 8, 1979, I am providing the following information regarding the installation and testing procedures for the monitoring wells in Sussex County's landfills.

The installation of the monitoring wells in accordance with the State of Delaware Department of Natural Resources and Environmental Control (DNREC) regulations in the six existing landfills has been completed. Attachment Nos. 1 through 6 will provide you with the locations of the wells. There are four shallow wells and one deep well at each of the landfills.

In a letter dated 30 January 1979 from the Water Resources Section of the DNREC to Mr. Raymond F. Brotherton, Public Works Engineer for Sussex County, the DNREC stated that the County was required to include the following items in the groundwater monitoring report:

1. Cross-sections describing the characteristics of the sediments underlying the site;
2. The depth of the water beneath the site;
3. A water table contour map contoured on water table elevations;
4. A description of the groundwater flow directions based on the water table contour map;
5. The nature of the underlying aquafier;
6. Potential for vertical movement of contaminants;

AR200599

7. The quality of the groundwater underlying the landfills;
8. The quality of the water in the background well;
9. An interpretation of whether the landfill appears to be contaminating the groundwater;
10. The position of the refuse relative to the water table; and
11. An analysis of the groundwater for the following chemical components:

TOC (total organic carbon), COD (chemical oxygen demand), specific conductance, ph, chloride, organic nitrogen, ammonia nitrogen, nitrate nitrogen, phenol, iron, copper, manganese, chromium, zinc, lead, cadmium, mercury, arsenic, selenium, total dissolved solids, sulfate, pesticides (from the upgradient well and one shallow well).

During a discussion with Mr. Rodney L. Wyatt, Sussex County's new Public Works Engineer, we determined that the sampling and analysis program recommended by the State was both too detailed and expensive. In this early stage of landfill monitoring we did not think that we should be required to provide a detailed analysis. Also, there are no suspected or reported dumpings of pesticides in any of our landfills warranting the extensive analysis for pesticides at this time.

Therefore, in a letter dated 1 October 1979 from Rodney to the DNREC, we requested that a step-by-step approach for sampling and analysis (Criteria No. 11 in the DNREC letter) be used.

As Step No. 1, we proposed to conduct a generalized sampling and analysis. In this step, we preferred sampling and analysis for a key indicator group as opposed to all the parameters mentioned in the letter from the DNREC. The proposed key indicator group includes TOC, COD, specific conductance, ph, chloride, ammonia nitrogen, iron, manganese, and total dissolved solids. The analysis of these highly sensitive and analytical parameters could be performed accurately at a relatively reasonable cost. The results of this analysis will indicate the presence or absence of leachate and will provide information regarding inorganic and organic constituents of the groundwater sample. In addition, the data obtained from several indicator analyses can be cross-correlated and interpreted so that even more insight can be gained about the nature of the contamination.

Mrs. Lewis M. Purnell
November 26, 1979
Page 3

As a second step, additional analyses would be performed to provide more positive verification of contamination which had been indicated by the key indicator analysis group.

The step-by-step approach was approved by the State of Delaware DNREC on October 5, 1979.

Since the groundwater monitoring report requested by the State required a great deal of geological work (Criterion Nos. 1 through 10 of the DNREC letter) and this was somewhat pending on the sampling and analysis, both County and State officials felt that the job should be handled by a firm employing a registered geologist. This geological work was the reason Sussex County did not consider the Marine Laboratory in Lewes. As you know, at its regular meeting of October 16, 1979, the Sussex County Council accepted the Proposal submitted by Weston Environmental Consultants-Designers as the low bidders. The cost of the proposed services are as follows:

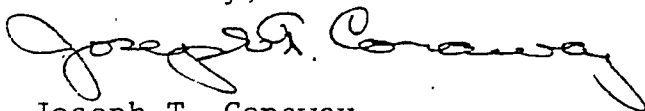
Sampling and analysis as outlined in Step No. 1 (This program cost includes field sampling of all 30 monitoring wells, analysis, and related expenses.)	\$5,066.00
Data review, analysis, and preparation of a report containing the information requested by the State.	2,192.00
	<hr/>
TOTAL ESTIMATED PROBABLE COST	\$7,258.00

To avoid misunderstanding, it should be emphasized that the TOTAL ESTIMATED PROBABLE COST is an estimated maximum which is fully expected to cover the services herein described.

The testing and sampling process was started on 7 October 1979. As far as the frequency of the testing is concerned, the DNREC is undecided at this time. However, I am sure that it depends greatly on the results the key indicators bring.

I hope this letter has provided your organization with the necessary information. Should you have additional questions, please contact our Public Works Department at 856-7701, Ext. 330.

Yours truly,



Joseph T. Conaway

JTC:RLW:cat

Attachments: 6

AR200601

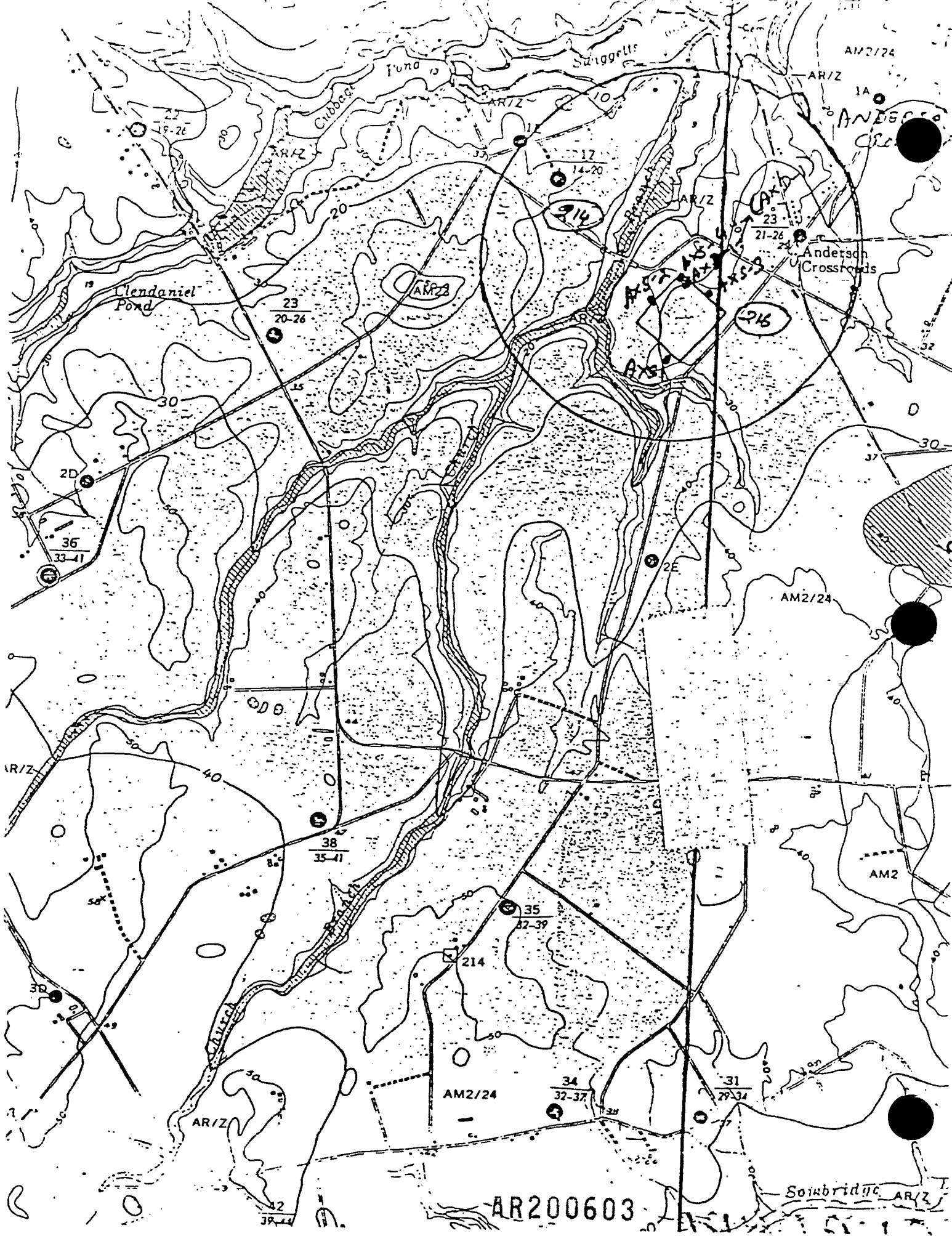
LF#1

BRIDGEVILLE

Gully Camp

IC





AR200603

ANGODIA

SEBOROETH

N O

D I S T R I C T

Angola Grango

Indian Mission Ch

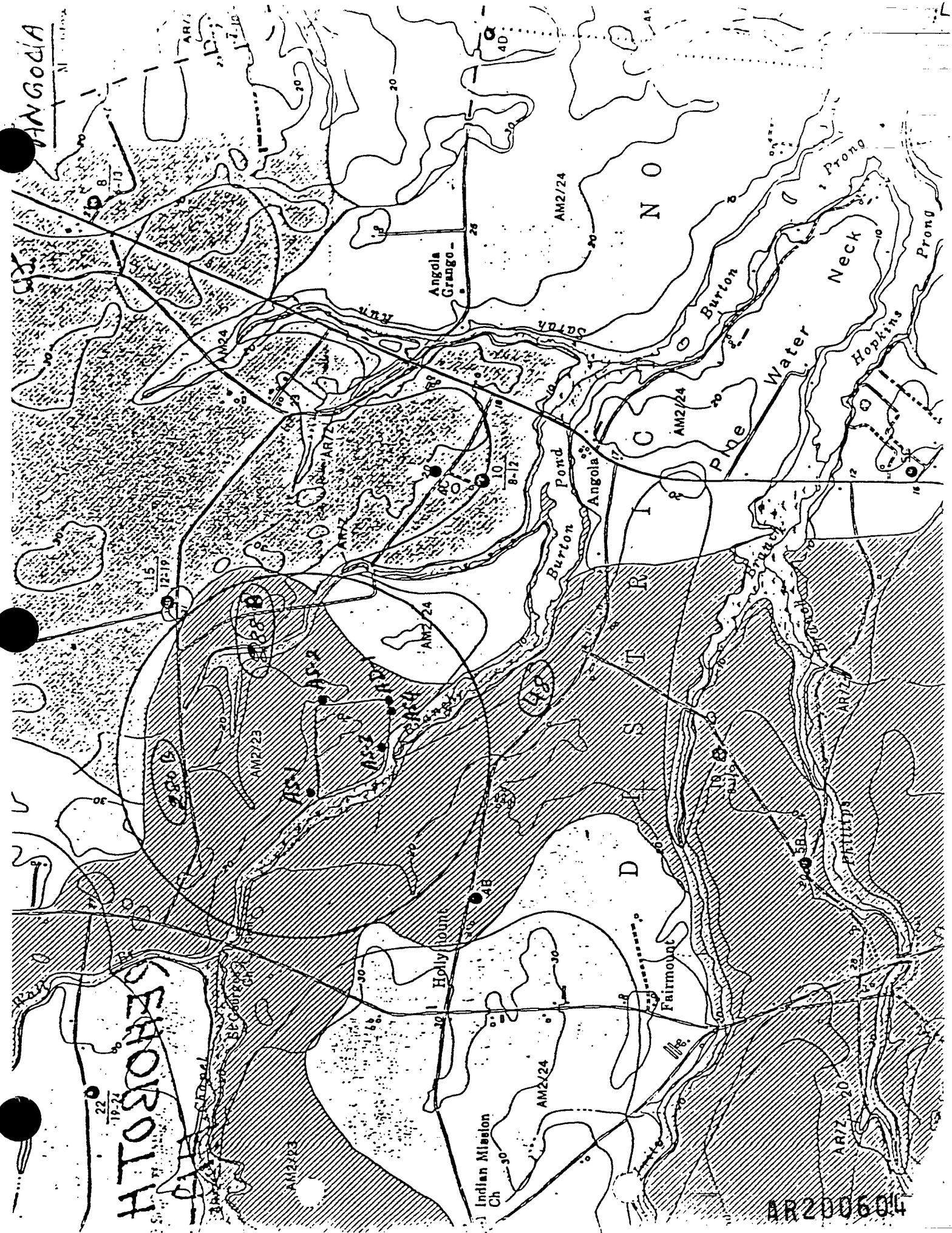
Fairmount

Neck

Pipe Water

Hopkins

AR200604



Sussex County Landfill #3 - Angola

- 1) Monitor wells AS-1, AS-4, AD-1, P-1, P-2A, P-2B, P-2C, P-3A, P-3B, P-3C, P-4A, P-4B, P-4C, P-5A, P-5B, P-5C and P-6 shall be sampled quarterly and the samples analyzed for TDS, TOC, pH, NH₃-N, Fe, Cl, Specific Conductance, Ba, Cr, Pb, Se, Cd, NO₃-N, and Mn.
- 2) Monitor wells AS-2 and AS-3 shall be sampled annually and the samples analyzed for TDS, TOC, pH, NH₃-N, Fe, Cl, Specific Conductance, Ba, Cr, Pb, Se, Cd, NO₃-N and Mn.
- 3) The water table elevation in monitor wells AS-1, AS-2, AS-3, AS-4, AD-1, P-1, P-2A, P-2B, P-2C, P-3A, P-3B, P-3C, P-4A, P-4C, P-4B, P-5A, P-5B, P-5C and P-6 shall be measured quarterly, prior to sampling.
- 4) The results of all sampling and the water table elevations shall be submitted to the Department within 30 days after the samples are collected.

Sussex County Landfill #4 - Anderson's Crossroads

- 1) Monitor wells AXS-1, AXS-2, AXS-3, AXS-4 and AXD-1 shall be sampled quarterly and the samples analyzed for TDS, TOC, pH, NH₃-N, Fe, Cl, Specific Conductance, NO₃-N, and Mn.
- 2) The water table elevation in monitor wells AXS-1, AXS-2, AXS-3, AXS-4 and AXD-1 shall be measured quarterly, prior to sampling.
- 3) The results of all sampling and the water table elevations shall be submitted to the Department within 30 days after the samples are collected.

~~Sussex County Landfill #5 - Laurel~~

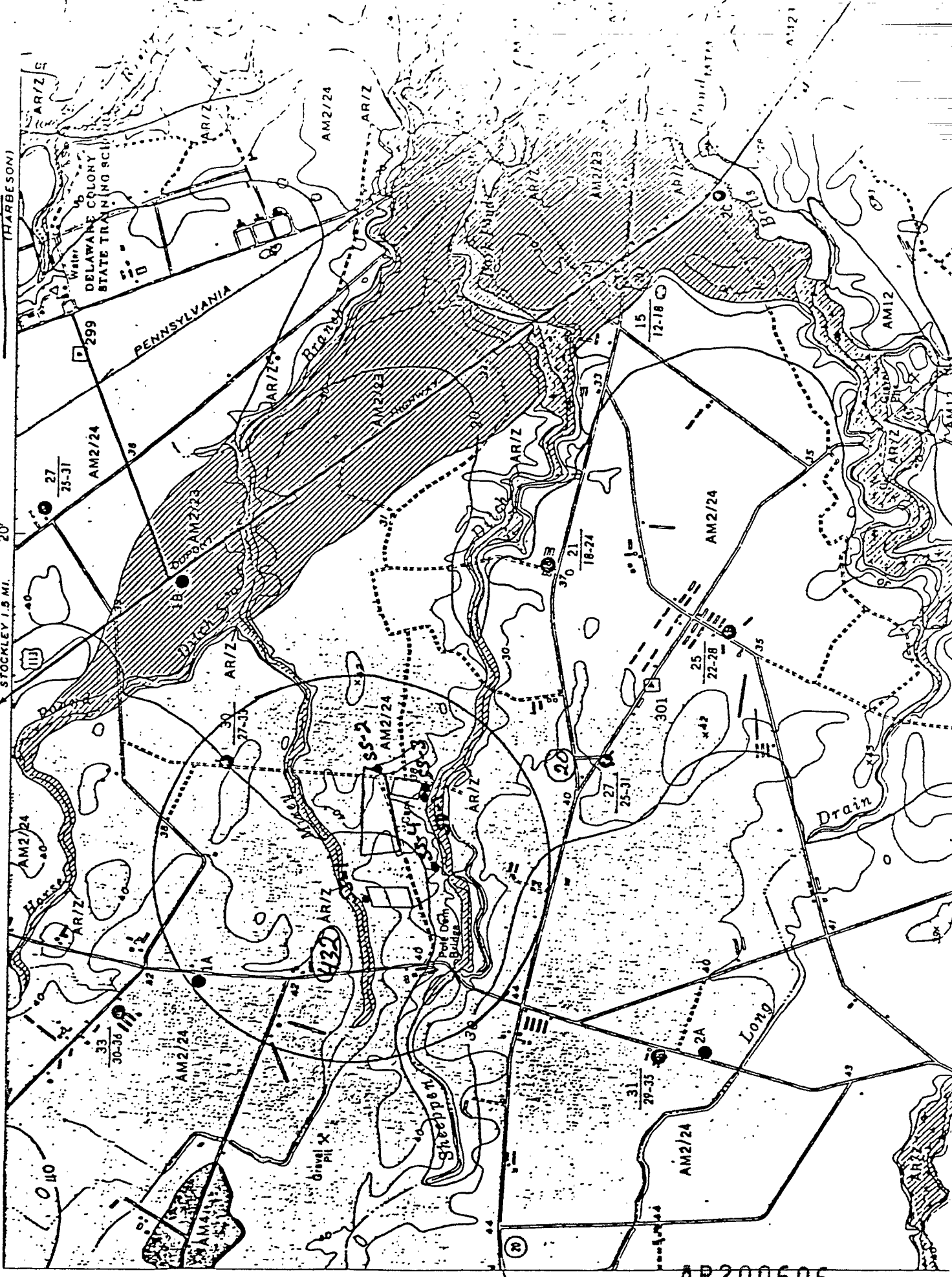
- 1) Monitor wells LS-2, LS-4 and LD-1 shall be sampled quarterly and the samples analyzed for TDS, TOC, pH, NH₃-N, Fe, Cl, Specific Conductance, NO₃-N and Mn.
- 2) Monitor wells LS-1 and LS-3 shall be sampled annually and the samples analyzed for TDS, TOC, pH, NH₃-N, Fe, Cl, and Specific Conductance, NO₃-N and Mn.
- 3) The water table elevations in monitor wells LS-1, LS-2, LS-3, LS-4 and LD-1 shall be measured quarterly, prior to sampling.
- 4) The results of all sampling and the water table elevations submitted to the Department with 30 days after the samples are collected.

AR200605

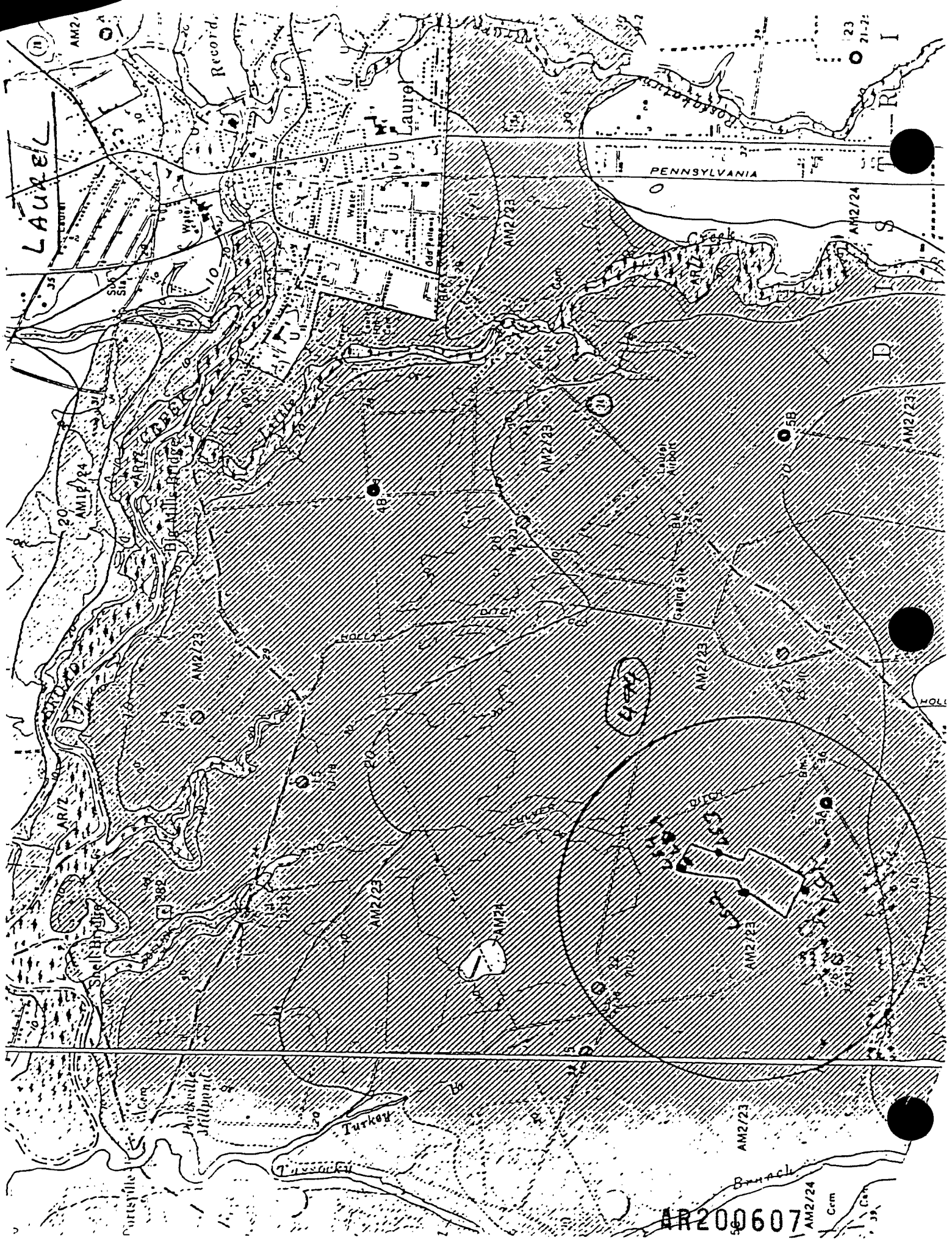
LT-77
STOCKLEY

GEORGETOWN 5.5 MI. 20'
STOCKLEY 1.5 MI. 20'

5° 22' 30"
0"



SEAFORD 15 MI.
WORMANS CORNERS 1.1 MI.
AR200606



AR200607

Grm

Cr.

39

