
EXHIBIT F105

AGREEMENT FOR CONVEYANCE AND TREATMENT OF
INDUSTRIAL WASTEWATERS IN WESTERN REGIONAL
SYSTEM, DATED DECEMBER 1, 1973, BY AND AMONG
SCOTT PAPER COMPANY AND DELCORA

EXECUTED IN 3 COUNTERPARTS
COUNTERPART NO. 1

12/14/73

AGREEMENT

BETWEEN

DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY

AND

SCOTT PAPER COMPANY

FOR

Conveyance and Treatment of Industrial
Wastewaters in Western Regional System

THIS AGREEMENT is made as of the first day of Dec. of 1973 between SCOTT PAPER COMPANY a Pennsylvania corporation ("Industry") and Delaware County Regional Water Quality Control Authority ("DELCORA"), a Pennsylvania Municipal Authority.

RECITALS

A. By orders of the Pennsylvania Department of Environmental Resources dated May 5, 1972, from which Industry appealed certain municipal authorities and certain corporations, including Industry, in Delaware County have been ordered to negotiate with DELCORA for the future treatment of sewage in regional facilities, specifically in the case of Industry, at a new plant to be located in the City of Chester (the "Western Regional Plant"). Pursuant to said orders and various engineering studies and regulatory approvals, DELCORA has entered into an agreement with the City of Chester dated February 12, 1973, to purchase the existing treatment plant of said City and certain other sewage facilities.

B. DELCORA has caused plans and specifications to be prepared for (1) construction of the Western Regional Plant, to be located on the site of the existing plant of the City of Chester, as shown on the map attached hereto as Exhibit "B", which new plant will have a design capacity of 40 million gallons per day ("MGD"), and (2) a conveyance system consisting of interceptors, sewers, pump stations and the like (the "conveyance system"),

said plant and conveyance system, being hereinafter referred to as "the System".

C. Industry desires to send industrial wastes resulting from its operations ("said wastewater") to the Western Regional Plant, it being estimated that the said wastewater will amount to 16.5 MGD containing a daily average of 12,523 pounds of BOD 5 and 20,930 pounds of suspended solids, and DELCORA is willing to provide sufficient capacity in said plant to treat the same. DELCORA agrees that the existing wastewater of Industry, based on representations made by Industry and subject to applicable federal laws and regulations, is acceptable to DELCORA without the necessity for a surcharge.

D. In order to finance the construction of the additional capacity in the Western Regional Plant required to treat said wastewater to be delivered by Industry and the construction of said conveyance system required to serve Industry, DELCORA requires assurance that Industry will continue to use said plant and conveyance system or, if its use thereof is diminished or terminated, to pay that portion of the debt service cost attributable to the capacity provided for it in said plant and conveyance system by DELCORA unless, pursuant hereto, DELCORA is receiving some or all of such cost from other users of said plant and conveyance system.

E. Plans for said Western Regional Plant have been prepared by Albright & Friel, a division of Betz Environmental Engineers, Inc., which firm estimates that the cost thereof will total \$ 32,370,000.00, and DELCORA has applied for and received from the Environmental Protection Agency of the United States Government ("EPA") a construction grant in the amount of \$ 24,277,200.00

("said Federal grant"), none of which is subject to any industrial repayment requirement. Plans for said conveyance system will be prepared by DELCORA in conjunction with Industry, and DELCORA will apply for such Federal grants, which may be subject to industrial repayment requirements, and such State grants as may be available.

F. Industry is willing to obtain from DELCORA, and DELCORA is willing to provide to Industry, services involving the conveyance to and the treatment at said Western Regional Plant of said wastewater upon the terms and provisions hereinafter set forth.

NOW, THEREFORE, the parties hereto, intending to be legally bound hereby, agree as follows:

Section I. Service.

1.1. Industry agrees to deliver to DELCORA said wastewater from its facility located in the City of Chester, Delaware County, Pennsylvania, which is located in the Western Delaware County Service Area of DELCORA as shown on the map attached hereto as Exhibit "A". Such delivery shall be made to DELCORA at the point or points of connection between the facilities of Industry and those of DELCORA to be specified under the agreement referred to in Section 8 hereof.

1.2. Subject to the other provisions hereof, DELCORA agrees to accept said wastewater at said point or points and to transport said wastewater delivered to it, and to treat and dispose of it at its Western Regional Plant.

1.3. DELCORA, further, hereby agrees to provide sufficient capacity in

said Western Regional Plant for the treatment of said wastewater during the term hereof.

Section 2. Standards, Rules, and Regulations.

2.1. Industry agrees that the wastewaters delivered by it to DELCORA'S system shall comply in all respects to the standards, rules, and regulations for the acceptance of industrial wastewaters by DELCORA as duly adopted by DELCORA (the "DELCORA Standards, Rules, and Regulations of 1973"), a copy thereof having been supplied to Industry, and such changes and amendments as hereafter are adopted by DELCORA in accordance with its said rules and regulations and the provisions of this agreement.

Section 3. Service Charges.

3.1. Industry agrees to pay to DELCORA for said wastewater conveyance and treatment service rendered by DELCORA hereunder the Service Charges as submitted by DELCORA determined and established in accordance with the Standards, Rules, and Regulations for determining Major Industrial User Service Charges as duly adopted by DELCORA (the "DELCORA Major Industrial User Service Charges of 1973"), a copy thereof having been supplied to Industry, and such changes and amendments as hereafter are adopted by DELCORA in accordance with its said rules and regulations and the provisions of this agreement. It is understood and agreed that the Major Industrial User Service Charges established by DELCORA shall not require Industry to pay, as part of a Debt Service Charge, any sum on account of or in repayment of said Federal grant

mentioned in recital "E".

3.2. DELCORA will have the right to alter or amend the Major Industrial User Service Charges in the future as necessitated by increased costs of normal operation, maintenance, repairs, replacements, renewals and ordinary improvements, or the necessity to alter the degree of treatment provided by the Western Regional Plant to meet any changed water or air quality standards required by any law, or order or regulation of any regulatory agency. The User Service Charges established by DELCORA, however, will be uniform for all users in the same category and region as Industry. Such Service Charges will not include any costs of; (1) the collection, conveyance and treatment of wastewater in the Eastern Delaware County Service Area; (2) the cost of any of DELCORA's collection conveyance, or treatment facilities in the Western Delaware County Service Area not used for Industry's wastewater hereunder; (3) any debt service costs for expansion of the Western Regional Plant beyond a capacity of 60 MGD, except to the extent that such expansion is required to provide additional capacity or increased degree of treatment for Industry. All of the foregoing is subject to the requirements of applicable regulations of Federal and State regulatory agencies with respect to rate structures.

3.3. DELCORA shall maintain cost accounting records adequate to enable it to allocate, in accordance with generally accepted accounting principles, all costs incurred by it relating to the collection, conveyance and treatment systems operated by it, or such part or parts thereof, as will permit it to properly calculate the conveyance and treatment charges for Industry.

Section 4. Minimum Debt Service Charge.

4.1. As long as any bonds of the Authority issued to pay the cost of constructing the System or the costs of any enlargements or upgrading covered by this Agreement are outstanding, Industry shall at all times be obligated to pay a minimum debt service charge equal to: (1) 26% of the annual debt service charges (including principal and interest, coverage, sinking fund and reserve funds as required under its Trust Indenture) incurred by DELCORA in connection with the bonds issued by it for the purchase and construction of the Western Regional Treatment Plant; and (2) 55% of such annual debt service charges incurred by DELCORA in connection with the bonds issued by it for the purchase and construction of that portion of the Conveyance System required to serve Industry. The said percentages are based upon the estimated cost of the Western Regional Plant and the Conveyance System presently deemed necessary to serve Industry as set forth in Exhibit C of this Agreement. The percentages to be applied in each instance will be adjusted when the final costs of acquisition and construction of the facilities to be used by Industry have actually been determined. Any payments made by Industry prior to said adjustment will be adjusted based on the final percentages.

4.2. DELCORA is willing to adjust the minimum debt service charge provided in this Section 4, from time to time during the term of this Agreement, to the extent that such adjustments are made possible by the following factors: (1) Industry's requirements for treatment capacity are less than the capacity being provided under the terms of this Agreement; and (2) DELCORA is able to

obtain an Agreement with other Industries by which such Industries agree to pay minimum debt service charges at least equal to the difference between Industry's minimum debt service charge as specified in Section 4.1 and Industry's reduced minimum debt service charge based on such reduced requirements. DELCORA will redetermine temporarily or permanently, Industry's minimum debt service charge upon request by Industry but not more frequently than every two (2) years.

4.3. DELCORA also is willing to adjust the minimum debt service charge provided in this Section 4, from time to time during the term of this Agreement, to the extent that such adjustments are made possible by the following factors:

(1) DELCORA issues its bonds (the "Refunding Bonds") to refund the bonds previously issued by DELCORA to finance the costs of construction of the Western Regional Plant and Conveyance System or any enlargements or upgrading covered by this Agreement; and (2) the annual debt service charge (including principal and interest, coverage, sinking fund and reserve funds as required under its Trust Indenture) incurred by DELCORA in connection with said Refunding Bonds is less than the said annual debt service charges incurred by DELCORA in connection with the bonds thereby refunded.

Section 5. Compliance with Standards, Rules and Regulations.

5.1. Industry agrees to comply with the DELCORA Standards, Rules and Regulations of 1973 as established by DELCORA and amended from time to time, relating to the prohibition of harmful wastes to the facilities of DELCORA, and the sampling, monitoring and reporting concerning the quantity and quality of

wastes delivered, and to comply with any regulations regarding pretreatment and other matters which may be required pursuant to State or Federal regulations, and with the provisions of any permit issued by any State or Federal agency.

5.2. DELCORA agrees to give written notice to Industry of any proposed amendments or changes to the Standards, Rules and Regulations of 1973 or Major Industrial User Service Charges of 1973 at least sixty (60) days prior to the date established by DELCORA for such amendments or changes to become effective, unless State or Federal regulations or requirements provide otherwise. Such notice shall include a statement of the reasons for the amendments or changes.

Section 6. Reimbursement for Improper Discharge.

6.1. Industry will pay the cost of any damage to the facilities of DELCORA resulting from discharge of said wastewaters in violation of the applicable standards and restrictions mentioned in this Agreement and shall indemnify and hold harmless DELCORA with respect thereto.

Section 7. Grants.

7.1. DELCORA will make all applications for available grants and subsidies with respect to the construction and operation of the facilities owned and operated by it, and used by Industry, and the proceeds thereof will be credited equitable to all users of the system in computing the rates to be charged by DELCORA, subject to applicable State and Federal regulations.

Section 8. Agreement for Conveyance System.

8.1. Industry shall have the option, during the time hereinafter specified, to elect to construct, operate and maintain at its sole cost and expense the portion of the conveyance system required to transport Industry's said wastewaters from its facilities which would be constructed on property owned or controlled by Industry. The option granted hereby will be exercised by the execution by Industry of a separate agreement with DELCORA providing for such construction, operation and maintenance before DELCORA commences final engineering plans for the said Conveyance System. DELCORA will give Industry at least ninety (90) days written notice of the date it intends to start said final engineering plans.

8.2. If a separate agreement is entered into as provided under 8.1 hereof, said Agreement shall govern the construction, operation and maintenance of said portion of the conveyance system, otherwise all terms and conditions of this Agreement shall be applicable to the entire conveyance system used by Industry.

Section 9. Force Majeure.

9.1. The performance by either party of this Agreement is subject to Force Majeure and is contingent upon strikes, accidents, acts of God, flood, breakdown of the Western Regional Plant or Conveyance System, regulations or restrictions imposed by any government agency, or other delays beyond either party's control, provided, however that nothing in this Section shall be deemed or construed to supercede or suspend the provision of Section 5 or Section 6 hereof, nor shall any such event relieve Industry of the liability for

payment of service charges under Sections 3 and 4 hereof during the time the Western Regional Plant or Conveyance System is inoperable by reason of any such event.

Section 10. Term.

10.1. This Agreement shall remain in full force for a period of thirty-one (31) years from the date hereof or until all bonds issued by DELCORA to finance the cost of construction of the System have been paid, whichever shall occur first. Either party hereto may terminate this Agreement at the end of said term by giving to the other party written notice thereof at least one (1) year prior thereto, but in default of such notice, this Agreement shall continue upon the same terms and conditions in force immediately prior to the expiration of the term hereof as are herein contained for a further period of five (5) years and so on automatically thereafter for additional periods of five years each unless or until terminated by either party hereto giving the other at least one (1) year's written notice of termination prior to the expiration of the then current term.

Section 11. Permit.

11.1. This Agreement shall be deemed to be the permit that is required for users, under the DELCORA Standards, Rules and Regulations of 1973 and Industry shall be exempt from the applicability of said permit sections thereof.

Section 12. No Joint Ownership.

12.1. No provision of this Agreement shall be construed to create any type

of joint ownership or any rights or liabilities except as expressly set forth herein.

Section 13. Severability.

13.1. Should any provision hereof for any reason be held illegal or invalid, no other provision of this Agreement shall be affected; and this Agreement shall then be construed and enforced as if such illegal or invalid provision had not been contained herein.

Section 14. Headings.

14.1. The headings in this Agreement are solely for convenience and shall have no effect on the legal interpretation of any provision hereof.

Section 15. Waiver.

15.1. The failure of a party hereto to insist upon strict performance of this Agreement or of any of the terms or conditions hereof shall not be construed as a waiver of any of its rights hereunder.

Section 16. Counterparts.

16.1. This Agreement may be executed in any number of counterparts, each of which shall be regarded for all purposes as an original, but such counterparts shall together constitute but one and the same instrument.

Section 17. Successors and Assigns.

17.1. This Agreement may be assigned, in whole or in part, by Industry without the prior written consent of DELCORA provided, however, that any such

assignment shall not relieve Industry from primary liability to DELCORA for any of Industry's obligations hereunder unless such assignment has been approved by DELCORA in writing. Subject to the foregoing, this Agreement shall be binding upon and shall inure to the benefit of the respective successors and assigns of the parties hereto.

Section 18. Notice.

18.1. Each notice when required hereunder shall be deemed to have been given when mailed by U.S. Postal Service certified mail, postage prepaid; addressed as follows:

- (a) if to DELCORA, to its office at 100 East Fifth Street,
Chester, Pennsylvania, 19013;
- (b) If to Industry, to its Plant Manager at its office, Front and
Market Streets, Chester, Pennsylvania, 19013.

Section 19. Industry Option to Terminate.

19.1. DELCORA previously has or promptly will advertise for and receive bids for the construction of the said Western Regional Plant. If the total cost of construction of said Western Regional Plant, as hereinafter defined, based on said bids exceeds \$ 37,000,000.00, Industry shall have the option to withdraw from participation in the use of DELCORA'S System in the manner and under the conditions provided in this Section 19.

19.2. For the purpose of this Section 19, total cost of construction of said Western Regional Plant shall include the following: acquisition of existing

Chester Treatment Plant, including land, buildings and structures and equipment; acquisition of rights of way; contracts for site preparation and all other phases of construction, equipment and materials; engineering fees and services including core borings and testing; legal and fiscal fees, administrative expenses; insurance; contingency and all other items which are included within said term in accordance with generally accepted municipal authority accounting principles or are considered eligible for determining the Federal Grant under current EPA regulations. Total cost of construction shall not include any costs of financing the project including but not limited to discount on bonds sold, interest during construction, legal and engineering fees relating solely to financing, cover and other such items which are included in financing expenses in accordance with generally accepted municipal authority accounting principles.

19.3. If the total cost of construction exceeds \$ 37,000,000.00, DELCORA shall give Industry written notice of the total cost of construction, determined in accordance with the provisions of this Section 19, within seven (7) days of receipt of said bids. Within twenty (20) days from receipt of said notice from DELCORA, Industry shall notify DELCORA in writing whether said total cost of construction is acceptable to it or whether Industry elects to exercise the option granted as aforesaid. The failure of Industry to give said notice within said time shall be deemed and construed as an acceptance by Industry of the total cost of construction and waiver of the said option.

19.4. Upon the exercise of the said option granted to Industry by this Section 19, Industry shall be released from all further liability under the terms

of this Agreement except the liability to pay to DELCORA either in a lump sum or as annual charges as determined by the parties compensation for the following: (1) the proportionate share of the cost of site preparation which Industry would pay as a full participant in the System; (2) Industry's proportionate share of the additional engineering expense heretofore incurred by DELCORA as a result of the redesign of certain individual treatment units of the proposed Western Regional Plant; (3) the additional engineering expense, if any, incurred by DELCORA to redesign the Western Regional Plant for less than 40 MGD as the result of Industry's exercise of said option; and (4) an amount equal to one percent (1%) of the sum of items (1), (2) and (3) above to compensate DELCORA for general administrative and overhead expenses incurred in the development of the project for Industry's participation and negotiation of this Agreement.

19.5. Upon the exercise of said option and payment by Industry of all amounts determined due to DELCORA as provided in this Section 19, this Agreement shall be deemed terminated, null and void.

Section 20. Special Provisions.

20.1. It is a general principle of this agreement that DELCORA will provide maximum treatment of Industry's wastewater, consistent with prudent operation in processing all wastewater handled in DELCORA's Western Regional Plant, to mitigate pretreatment requirements. To this end, and subject to the approval of EPA, DELCORA and Industry agree that the following are compatible pollutants subject to pretreatment requirements of 40 CFR 128.132 by reason of the definition

of 40 CFR 128.121, in that the treatment works as designed will remove such pollutants to a substantial degree: chemical oxygen demand, total organic carbon, and phenol. In addition, DELCORA and Industry will attempt to obtain similar consideration for any other elements or compounds which may be subject to effluent guidelines for the Industry or other water quality regulations. References to CFR refer to the language and classification in force as of the date of this Agreement. In the event that any such compatible pollutant causes the DELCORA effluent not to meet DER, EPA or DRBC existing or future effluent or water quality standards, DELCORA may enact pretreatment standards for such compatible pollutants.

20.2. DELCORA agrees to apply for maximum applicable percentage reduction credits in its National Pollutant Discharge Elimination System Permit for any incompatible pollutants in Industry's wastewater.

20.3. Whenever possible, reduction credits will be based on actual plant trials to which Industry may send an observer. Prior to plant start-up, treatability studies to support reduction credits of interest to Industry will be carried out by a testing laboratory acceptable to both Industry and DELCORA, the cost of which tests shall be borne entirely by Industry.

20.4. Both parties agree that DELCORA need not install specialized equipment solely for processing pollutants unique to Industry's wastewater unless separate capital repayment and operating cost agreement is made which is acceptable to both parties. The inability of Industry or DELCORA to agree to such separate agreement will in no way affect the rights and obligations of either or both parties

to this initial agreement.

20.5. DELCORA agrees that the existing wastewater of Industry, based on representations made by Industry and subject to applicable federal laws and regulations, is acceptable to DELCORA without the necessity for a surcharge.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers and their respective seals to be hereunto affixed.

DELAWARE COUNTY REGIONAL WATER
QUALITY CONTROL AUTHORITY

(CORPORATE SEAL)

By

Joseph L. Salucci
Vice Chairman

Attest:

John J. O'Malley
Assistant Secretary

SCOTT PAPER COMPANY

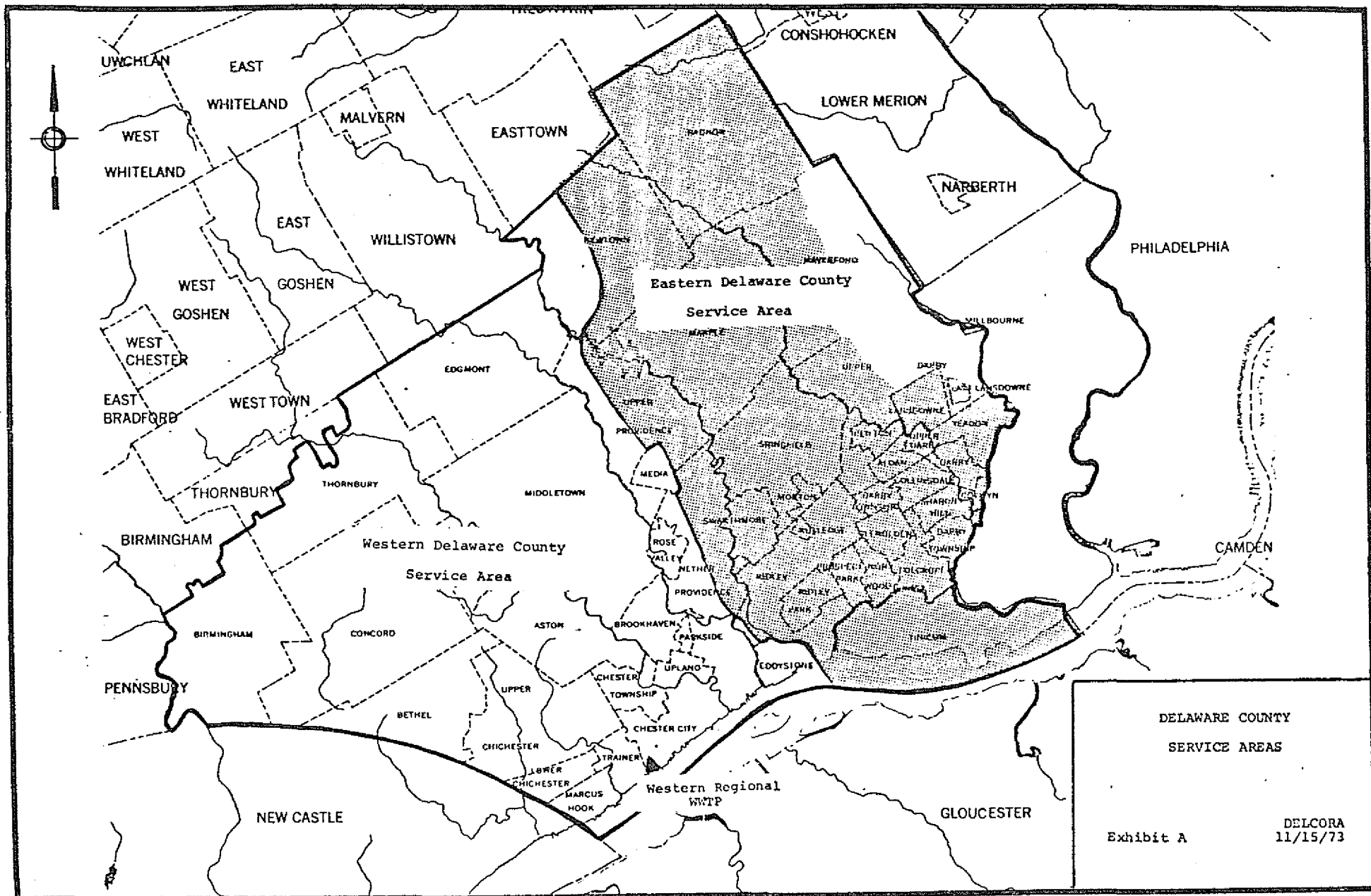
(CORPORATE SEAL)

By

Robert W. Markus
Vice President

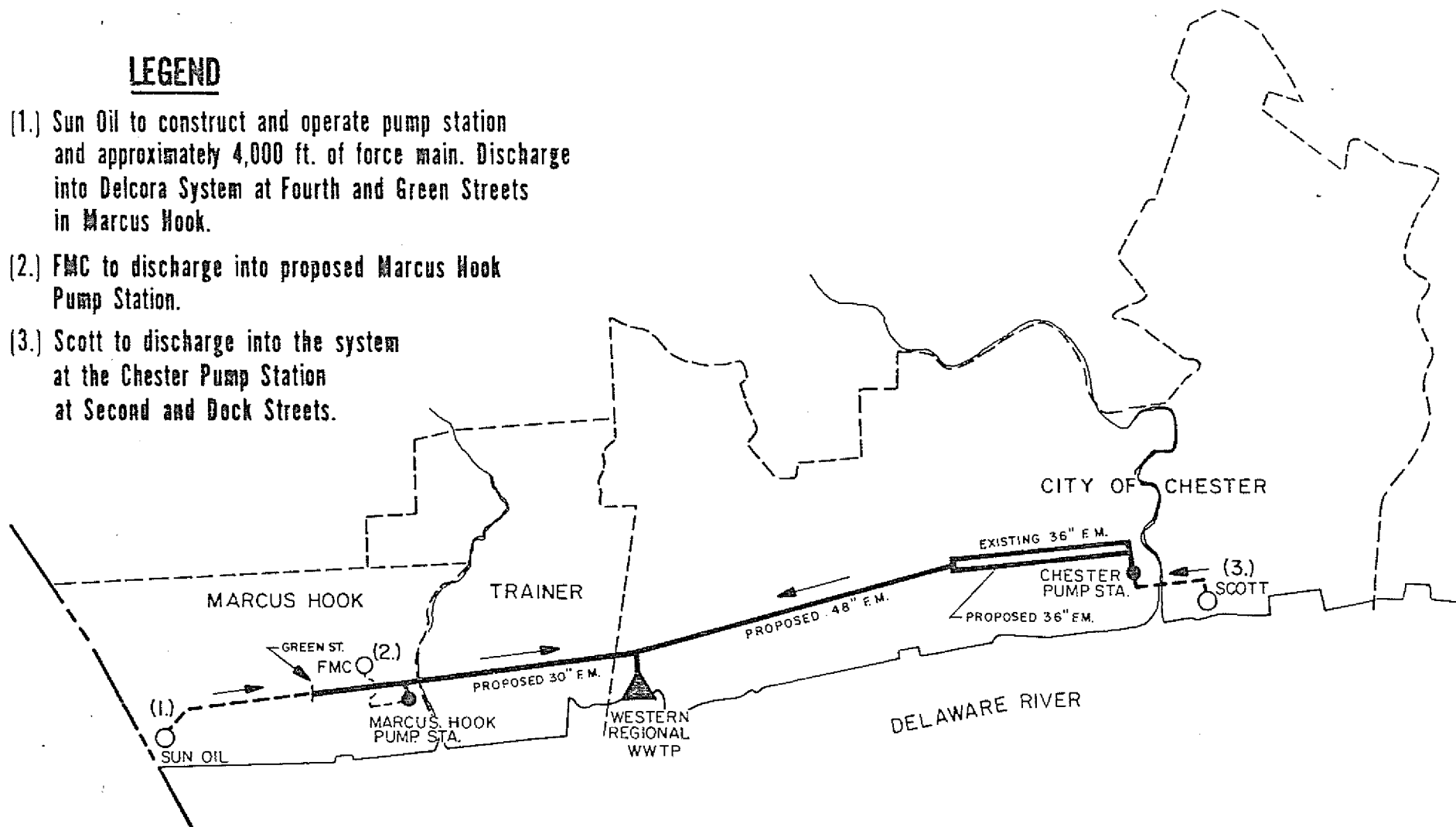
Attest:

W. A. Rulay
Secretary



LEGEND

- (1.) Sun Oil to construct and operate pump station and approximately 4,000 ft. of force main. Discharge into Delcora System at Fourth and Green Streets in Marcus Hook.
- (2.) FMC to discharge into proposed Marcus Hook Pump Station.
- (3.) Scott to discharge into the system at the Chester Pump Station at Second and Dock Streets.



DELCORA WESTERN CONVEYANCE SYSTEM
LOCATION OF PROPOSED MAJOR INDUSTRIAL CONNECTIONS

EXHIBIT B

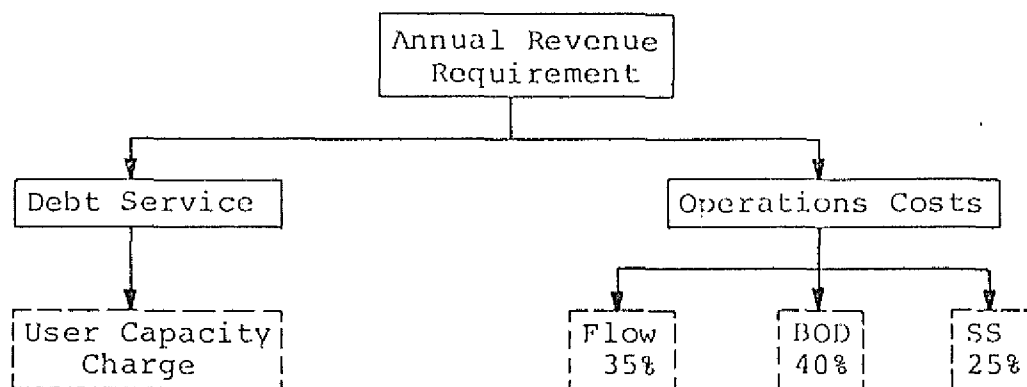
DELCORA
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EXHIBIT "C"

ANNUAL USER TREATMENT CHARGE

Charge based on four (4) cost components:

- a) Debt Service
- b) O & M - flow proportional
- c) O & M - BOD proportional
- d) O & M - SS proportional



Annual Cost Equation (1)

$$T = UDSC + UOMC \quad (\text{Eq. 5})$$

$$UDSC = \frac{Uc}{Cc} + Dt \quad (\text{Eq. 3})$$

$$UOMC = O \ \& \ M \left(f^1 \times \frac{\text{User Flow}}{\text{Total Flow}} + f^2 \times \frac{\text{User BOD}}{\text{Total BOD}} + f^3 \times \frac{\text{User SS}}{\text{Total SS}} \right) \quad (\text{Eq. 4})$$

(1) Equations and terms are defined in DELCORA's "Major Industrial User Service Charges of 1973".

TREATMENT CAPITAL COST BREAKDOWN (1,2)

Design	Unit	Est. Const. Cost \$1,000's	Flow		BOD		S.S.	
			%	\$	%	\$	%	\$
60 mgd	Site Work	7,000	100	7,000				
60 mgd	Yard Piping	900	70	630	15	135	15	135
60 mgd	Pre Aeration Grit Removal	400	100	400				
60 mgd	Primary Settling	1,300	85	1,105			15	195
60 mgd	Aeration Tanks	2,800	20	560	80	2,240		
40 mgd	Final Settling Tanks	1,200	50	600	25	300	25	300
60 mgd	Return Sludge Pump Station	340			50	170	50	170
40 mgd	Post-aeration, Chlorine Tank	290	100	290				
60 mgd	Flotation Thickener	1,200			50	600	50	600
60 mgd	Solids Handling Bldg.	5,300			50	2,650	50	2,650
60 mgd	Modifications	1,000	100	1,000				
60 mgd	Control Bldg.	670	100	670				
60 mgd	Computer and Instrumentation	1,300	100	1,300				
60 mgd	Electrical	1,000	100	1,000				
	Sub Total	24,700	58.9	14,555	24.7	6,095	16.4	4,050
	Contingency	2,000						
	Construction Cost	26,700		15,726		6,595		4,379
	Land	2,200						
	Engineering	2,400						
	Legal	700						
	Admin.	200						
		\$32,200		\$18,966		\$7,953		\$5,281

(1) Does not include plant expansion anticipated in 1987

(2) No allowance for tertiary treatment

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TREATMENT DESIGN CAPACITY ALLOCATION

(Design Cap. = 60 MGD)

<u>Discharger</u>	<u>Flow (MGD)</u> <u>%</u>		<u>BOD</u>			<u>SS</u>		
			<u>mg/l</u>	<u>#/day</u>	<u>%</u>	<u>mg/l</u>	<u>#/day</u>	<u>%</u>
Municipal	30.7	51.2	135	34,500	51.2	125	32,000	49.5
Scott	16.5	27.5	91	12,500	18.5	152	20,900	32.2
Sun Oil	12.0	20.0	175	17,500	26.5	105	10,500	16.3
FXC	0.8	1.3	450	3,000	4.3	225	1,500	2.0
<u>Total</u>	<u>60.0</u>	<u>100%</u>	<u>135</u>	<u>67,500</u>	<u>100%</u>	<u>130</u>	<u>64,900</u>	<u>100%</u>

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TREATMENT CAPITAL COST ALLOCATION

<u>Discharger</u>	<u>Flow</u>		<u>BOD</u>		<u>SS</u>		<u>Total</u>	
	(\$18,966,000)		(\$7,953,000)		(\$5,281,000)		(\$32,200,000)	
	<u>%</u>	<u>\$1,000</u>	<u>%</u>	<u>\$1,000</u>	<u>%</u>	<u>\$1,000</u>	<u>%</u>	<u>\$1,000</u>
Municipal	51.2	9,710	51.2	4,072	49.5	2,614	51.0	16,396
Scott	27.5	5,215	18.5	1,471	32.2	1,700	26.0	8,386
Sun Oil	20.0	3,795	26.0	2,068	16.3	861	21.0	6,724
FMC	1.3	246	4.3	342	2.0	106	2.0	694
	<u>100.0</u>	<u>\$18,966</u>	<u>100.0</u>	<u>\$7,953</u>	<u>100%</u>	<u>\$5,281</u>	<u>100%</u>	<u>\$32,200</u>

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DELCORA
CHESTER WASTEWATER TREATMENT PLANT
ESTIMATED ANNUAL DEBT SERVICE CHARGES

Total Estimated Cost	\$ 32,200,000
Grant	<u>24,277,200</u>
Amount Financed	\$ 7,922,800
Estimated Annual Debt Service (5-3/4% 30 yr., 10% Cover)	616,200

TREATMENT ANNUAL DEBT SERVICE ALLOCATION

<u>Discharger</u>	<u>% Capital Cost</u>	<u>Annual Debt Service</u>
Municipal	51	314,262
Scott	26	160,212
Sun Oil	21	129,402
FMC	2	12,324
	<u>Total</u>	<u>\$ 616,200</u>

(1)

ANNUAL TREATMENT O & M ALLOCATION

<u>Year</u>	<u>Municipal</u>	<u>Scott</u>	<u>Sun</u>	<u>FMC</u>	<u>Total</u>
1975	348,000	531,000	457,000	64,000	\$ 1,400,000
1980	490,000	530,000	455,000	55,000	1,530,000
1985	805,000	480,000	405,000	50,000	1,740,000
1990	1,277,000	513,000	463,000	57,000	2,310,000
1995	1,556,000	513,000	446,000	65,000	2,580,000

(1) Includes O & M escalation @ 2.5 percent per year. No allowance for tertiary treatment which may be required in 1985

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(1,2)

ESTIMATED TOTAL ANNUAL TREATMENT COST

<u>Year</u>	<u>Municipal</u>	<u>Scott</u>	<u>Sun</u>	<u>FMC</u>	<u>Total</u>
1975	\$662,260	\$691,210	\$586,400	\$76,320	\$2,016,170
1980	804,260	690,210	584,400	67,320	2,146,190
1985	1,119,260	640,210	534,400	62,320	2,356,190
1990	1,591,260	673,210	592,400	69,320	2,926,190
1995	1,870,260	673,210	575,400	77,320	3,196,190

(1) Does not include plant expansion
anticipated in 1987.

(2) Included O & M escalation @ 2.5
percent per year. No allowance for
tertiary Treatment.

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ESTIMATED TOTAL ANNUAL CONVEYANCE COST

CHESTER PUMP STA. TO WWTP (1)

(1973 \$)

Scott Paper Co. (flow cap. = 25 MGD)

Debt Service for 4,000 ft. of 36" Force Main (2)		\$ 33,884
Debt Service for 9,000 ft. of 48" Force Main		15,448
EPA Grant Repayment for 9,000 ft. of 48" Force Main		17,969
Debt Service for Chester Pump Station		10,590
EPA Grant Repayment for Chester Pump Station		12,500
O & M allocation for Chester Pump Station (3)		
operation	\$15,420	
repair & main.	10,560	
power	66,000	<u>91,980</u>
		\$182,371

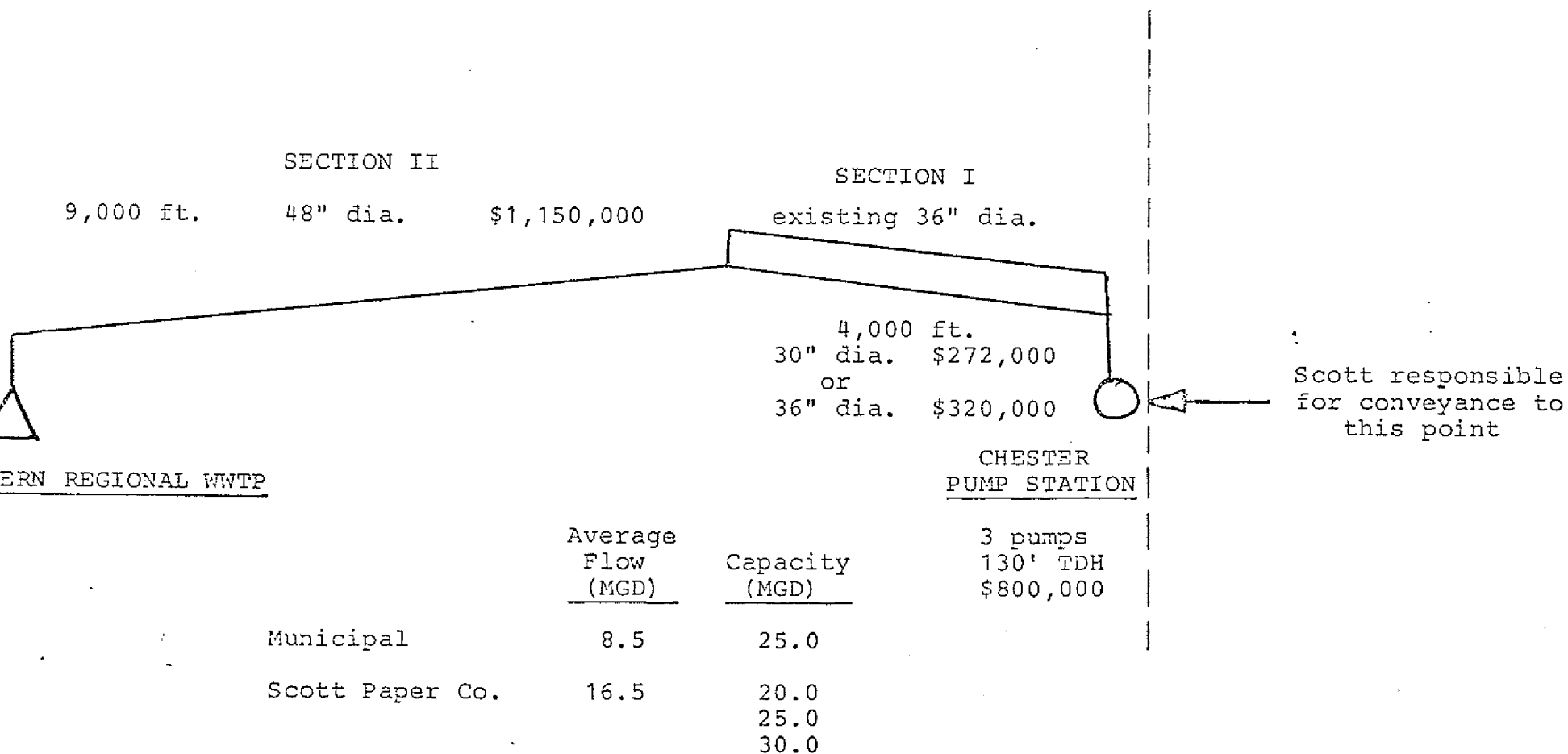
Municipal (flow cap. = 25 MGD)

Debt Service for 9,000 ft. of 48" Force Main	\$15,448
Debt Service for Chester Pump Station	10,590
O & M Allocation for Chester Pump Station	
operation	\$ 7,943
repair & main.	5,440
power	34,000
	<u>47,383</u>
	\$73,421

- (1) Will vary depending upon Scott peak capacity
- (2) No EPA Grant assumed for this section due to sole use by Scott
- (3) O & M allocation based on average flow

SCOTT - CHESTER CONVEYANCE SYSTEM

PRELIMINARY DESIGN DATA SUMMARY



All costs are estimated construction costs in 1973 \$.

DELCORA
11/15/73