Mana Copy TINGHOUSE

VTMA MEETING WITH WESTINGHOUSE 9/12/90

PRESENT: VTMA - Ronald Bumiller, Chairman; Lionel Smith, Vice Chairman, Steve Spear; David Brooks, Superintendent.

West.- Ed Farland; Attorney John W. Ubinger and Controller Don Semanchek

DISCUSSION AS FOLLOWS:

INSURANCE:

Insurance information submitted to Westinghouse Insurance Office - comments will be put in writing. They are requesting that the operating agreement specify in separate article amounts and type of insurance maintained by VTMA and also that Westinghouse be named the additional insured on the primary and umbrella policies. - SAM No PROb/EM

UTILITY BILLS:

Calculation presented by Mr. Farland on power costs for running high service pumps. Westinghouse is requesting that VTMA share pumping costs. Mr. Farland received copies of actual VTMA Duquesne Light bills for reference. Westinghouse also presented copies of bills they received since going on line in Feb. 1990. The power factor penalty of approximately 20% noted, . . . Westinghouse put in compactors and this should not show on September billing.

Copies of following calculations given to VTMA: Sheet # 1

August 1988 to Jan. 1990 - total KW consummed divided by total gallons pumped per month.
Resulting in 1.77 KW per 1,000 gallons pumped which is average cost of

electrical consumption of VTMA before towers went into use.

FOR EVERY 1,000 GALLONS OF WATER PUT OUT, VTMA BOUGHT 1.77 KW

Feb. 1990 to July 1990 (Tower in use)
Noted that KW consumption of VTMA dropped from approximately 60,000 to 70,000
KW per month to 25 to 30,000 KW ranger per month.

Sheet # 2

Six month analysis from actual Duquesne Light bills received by Westinghouse Feb. 1990 to July 1990.

Total Gallons pumped x 1.77 KW per 1,000 pumped = VTMA KW hours

Total KW hours less VTMA Portion = Westinghouse KW hours

Westinghouse KW hours divided by total bill KW hours = Westinghouse percentage.

Difference = VTMA percentage.

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Mr. Brooks indicated he finds no fault in logic of Westinghouse calculations and this should be presented to Board of discussion and possible approval.

Primary Questions for Discussion:

1. Do we agree Vanport should continue to pay pumping costs. The open

2. Do we agree with method to arrive at what payment should be

Secretary/Treasurer called into meeting to study information.

Copies sent to Dennis Graham, Engineer and Attorney Samuel Holland for reference to reply at Board meeting 9/24/90.

PUNCH LIST ITEMS:

Landscaping - Farland talked to C.W. Smith and some still incomplete. Reno still has a few things to do -rocks where new manhole was installed and area where overflow was installed. Stated by Mr. Farland that Reno Brothers will take care of this. Mr. Smith mentioned low spot under fence which Mr. Farland indicated was a new item never mentioned before.

Light Fixtures - to be taken care of by electrical contractor. Will also raise junction boxes.

Valve box - doesn't know if Reno has done anything with valve box. Mr. Brooks said it is accessable at this time.

Trim on Building- Reno said he fixed what he broke and didn't do any other damage. Also, second vent on clearwell still needs to be done - Farland will talke to them on this.

Transfer Pumps - damage to duct work not repaired; going to fix connections between duct and fan. Westinghouse doesn't intend to do repair work to straighten the duct work where it is deformed on the underside. Feels it is perfectly functional as is.

Additional line - Westinghouse wants to look at another line to sense when the pumps are on to make sure that we don't depend on the flow meter to tell us the pumps are on. This is an additional non-requirement.

Calibration flow meter - not done yet - Farland may do this himself.

Recorders as per DER - Westinghouse doesn't recall any requirements on this. Previously discussed that it would be very difficult to measure air quality from top of tower and it should be done by flow and concentration which will be reported to DER.

VTMA/WESTINGHOUSE MEETING 9/12/90 Page 3

Fuses - Westinghouse still owes VTMA some fuses.

Chlorine Room - Westinghouse agreed to provide chlorine room- Westinghouse feels that any other cost, associated with Chlorine room is VTMA responsibility and not part of TCE problem.

Stated special mechanical requirements not responsibility of Westinghouse. Mr. Brooks indicated that certain government specifications have to be met as the builing holds a hazardous material. It was agreed that this would be discussed again.

Stripping Towers: Inspecting tripack will be done by Westinghouse. Spare tripack will not be provided by Westinghouse as spare tower is full of spare, tripack.

Ron Bumiller noted that VTMA cannot run one tower at present time and produce water that is below 5 parts. VTMA presently building up some data with Gaschromatagraph which will not support running one tower at this time. Westinghouse indicated that NUS is coming to check concentrations from each well. Suggested that we could pick out two worst wells, run them at the same time, and check what is coming out of tower # 1.

Westinghouse feels one tower should be able to handle it.

Westinghouse will split samples of the discharge with VTMA and NUS — we can go on from there regarding towers.

OTHER BUSINESS:

Report from Free Col Lab regarding manganese factor presented by David Brooks. This report along with other extensive studies will be reviewed by Penn Rural Water and a full report returned to VTMA sometime in September.

VTMA has a balance act with TCE and Manganese - highest toe well is the lowest producing manganese well.

REVIEW OF OPERATIONS MANUAL:

Superintendent Brooks didn't see anything the matter. Need clarification as to who will take care of calibration, Mr. Farland feels this should be done by experts: - VTMA arrange to have it done and Westinghouse will pay for it. Farland would like to talk to whoever is going to do calibration regarding reasonable intervals between calibrations. Brooks has no problem with this. Calibration involves water flow meter and air flow.

Questions raised regarding permits — NPDES reports and sampling as required. Westinghouse to take care of permit renewal on discharge to river which comes in 5 years. Still a questions who is to take care of air permit, David willcall and have issues clarified. Authority is permitee and has to do all certifying.

Brooks also stated Westinghouse has to get in touch with DER and EPA and find out what is required and who is responsible. We can go from there.

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Westinghouse to pay for all permit applications. Regarding Pennvest applications - VTMA already re-imbursed through previous attorney fees and engineering fees invoiced.

Roof support system on buildings - were to be 2" x 6" built as question as to to stability under load or any other adverse weather conditions.

Catch Basin = CW Smith has to come and look at them also to look at floor.

PAYMENT OF BILLS:

Westinghouse proposes:

VTMA pay for lab fees - UK Chlorination purchase - Westinghouse will pay but any future purchases have to be approved by Westinghouse.

Employee Benefits - 50-50 split - 10 Pyrometer - negotiable - still to be decided - V7 M A Proposal to be discussed by VTMA Board at regular monthly meeting 9/24/90.

Turning towers over to VTMA not yet finalized as yet.

Counten Proposal

TOTAL FLOW AND ELECTRIC POWER CONSUMED AUGUST 1988 TO JULY 1990

		WATER PRODUCED (GALLON)	KW VTMA	KW WESTINGHOUSE
August	1988	41,798,000	67,520	
September	1988	35,744,000	62,400	
October	1988	38,219,000	59,520	
November	1988	36,642,000	67,520	
December	1988	33,852,000	64,320	
January	1989	35,908,000	67,840	
February	1989	32,237,000	60,800	
March	1989	35,791,000	64,960	
April	1989	37,517,000	61,760	
May	1989	39,970,000	69,760	
June	1989	37,995,000	64,320	
July	1989	40,220,000	73,280	
August	1989	41,098,000	69,120	
September	1989	37,868,000	71,360	
October	1989	39,644,000	62,400	
November	1989	37,006,000	67,840	
December	1989	36,689,000	66,880	
January	1990	37,137,000	74,800	
SUB-TOTALS		675,335,000	1,196,400	
February	1990	38,619,000	31,040	65,280
March	1990	37,241,000	27,200	57,920
April	1990	36,680,000	25,280	70,720
May	1990	39,355,000	25,280	59,200
June	1990	39,371,000	23,360	67,200
July	1990	40,135,000	25,600	60,480
SUB-TOTALS		231,401,000	157,760	380,800

1,196,400 KW 675,335 M Gal. = 1.77 KW/M Gal (Aug. '88 - Jan. '90)

E. F. FARLAND 09/10/90

6368N/s

ELECTRICAL COST PRO-RATION

VTMA/WESTINGHOUSE

	BALANCE (W)		27,965	19,204	31,076	14,822	20,873	15,042	128,982KW
Edutation of	BALANCE	p.	37,315	38,716	39,644	44,378	46,327	45,438	
	VANPORT @ 1.77 KW/M		68,355	65,916	64,924	69,658	/80,60	/1,038	
	TOTAL KW	96 320	85 120	96 000	000 000	90.560	86 080		
	VTMA ACTUAL KW	31,040	27,200	25,280	25,280	23,360	25,600		
	(W) ACTUAL KW	65,280	57,920	70,720	59,200	67,200	60,480	380,800KW	
1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	M GAL DELIVERED	38,619	37,241	36,680	39,355	39,371	40,135		
	MONTH	FEBRUARY	MARCH	APRIL	ግ AY	JUNE	:U LY	OTALS	

(W) PORTION OF TOWER BILL = $\frac{128,982}{380,800}$ KW =

VTMA SHOULD PAY ITS BILL + 66% OF THE TOWER/HIGH SERVICE BILL

F. FARLAND /10/90

68N/s

med X 1.27 pm 1,000 = 1712 A KWHRS

Total Kee fees ofers yours = (6). Centra Porter - Total Berl = 10 %

DIRECT NUMBER 412-394-7908

John W. Ubinger, Jr.

JONES, DAY, REAVIS & POGUE

500 GRANT STREET • PITTSBURGH. PENNSYLVANIA 15219 412-391-3939 FAX: 412-394-7959

ATLANTA, AUSTIN. BRUSSELS. CHICAGO. CLEVELAND, COLUMBUS.
DALLAS. GENEVA. HONG KONG. LONDON.
LOS ANGELES. NEW YORK. PARIS. RIYADH. TOKYO AND WASHINGTON

James

V05-871663-0 ACCOUNT NUMBER

> WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD BEAVER PA 15009

PLEASE RETURN THIS PORTION WITH YOUR

PAYMENT. 8

020587166308+ 0823900+ 0006669409+ 0006669409+ 02+

ACCOUNT NUMBER

SERVICE USED AT:

DATE PREPARED

V05-871663-0 TAMAQUA DR & E RIVER RD

AUG 08,1990

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ENERGY COST RATE - .1953CR CENTS PER KWH
RATE REFUND - .1450CR CENTS PER KWH. 118.12CR 87.70CR \$6669.40 (B) CURRENT BILLING PERIOD AMOUNT **\$6669.40**

PRESENT ACCOUNT BALANCE (A + B) Regulary 160 X Mater Coarstant Hemand Kar Month

18,56 KW=

hypr.

ESTIMATED PA. STATE TAXES INCLUDED IN THIS BILLING LATE PAYMENT CHARGE 1.25% **\$386.83**

DUE DATE AUG 23,90 AMOUNT DUE 6669.40

V05-871663-0 ACCOUNT NUMBER

8447.25

WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD BEAVER PA 15009

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT.

020587166308+ 0725901+ 0008447254+ 0008447254+

ACCOUNT NUMBER

SERVICE USED AT:

DATE PREPARED

V05-871663-0

TAMAQUA DR & E RIVER RD

JULY 10,199

RATE GM GENERAL SERVICE MEDIUM

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AMOUNT OF LAST BILL PAYMENTS AND ADJUSTMENTS (A) ACCOUNT BALANCE AT BILLING TIME	\$6595.99 6595.99C \$0.00
CUSTOMER CHARGE THIS BILLING PERIOD(1.00 MO.) DEMAND CHARGE - 5 KW AT NO CHARGE 324.0 KW AT \$18.5600 PER KW X 1.00 MO. ENERGY CHARGE - 67200 KWHRS ENERGY COST RATE1953CR CENTS PER KWH RATE REFUND1940CR CENTS PER KWH (B) CURRENT BILLING PERIOD AMOUNT	\$9.08 .00 6013.44 \$2686.34 131.24C 130.37C \$8447.25
PRESENT ACCOUNT BALANCE (A + B)	*8447.25

En Jouland
7/11/90
5020-3391-3

ESTIMATED PA STATE TAXES LATE PAYMENT CHARGE 1.25% \$489.94

DUE DATE

AMOUNT DUE

JUL 25,90

8447.2

ACCOUNT NUMBER V05-871663-0

WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD BEAVER PA 150 15009

PLEASE RETURN THE PORTION WITH YOUR PAYMENT.

020587166308+ 0625908+ 0006595991+ 0006595991+ 02

ACCOUNT NUMBER

SERVICE USED AT:

V05-871663-0 TAMAQUA DR & E RIVER RD

DATE PREPARE

JUNE 08,19

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CUSTOMER CHARGE THIS BILLING PERIOD(1.00 MO.) DEMAND CHARGE - 5 KW AT NO CHARGE 239.0 KW AT \$18.5600 PER KW X 1.00 MO. ENERGY CHARGE - 59200 KWHRS ENERGY COST RATE1953CR CENTS PER KWH RATE REFUND1940CR CENTS PER KWH (B) CURRENT BILLING PERIOD AMOUNT	\$9.08 .00 4435.84 \$2381.54 115.62 114.85 \$6595.99
PRESENT ACCOUNT BALANCE (A + B)	\$6595.99

5020-339-3 En Jarland En 6/12/90

ESTIMATED PA STATE TAXES INCLUDED IN THIS BILLING **\$382.57** LATE PAYMENT CHARGE

1.25%

DUE DATE

JUN 25,90

AMOUNT DUI 6595.

Day 10 Distablish DA 16000 0010

ACCOUNT NUMBER

V05-871663-0

WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD BEAVER PA 15009

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT.

020587166308+ 0529903+ 0006990055+ 0006990055+ 02+

ACCOUNT NUMBER

SERVICE USED AT:

V05-871663-0 TAMAQUA DR & E RIVER RD

DATE PREPARED

MAY 11,199

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ENERGY CHARGE - 70720 KWHRS ENERGY COST RATE1953CR CENTS PER KWH RATE REFUND1940CR CENTS PER KWH (B) CURRENT BILLING PERIOD AMOUNT	138.12C 137.20C \$6990.05
PRESENT ACCOUNT BALANCE (A + B)	#6990.05

5020-339-3 E Jarlando

MAY 29,90 6990.0

ACCOUNT NUMBER

MAKE CHECK PAYABLE TO DUQUESNE LI

6347.86

WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD 15009 BEAVER PA

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT.

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ACCOUNT NUMBER

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V05-871663-0 TAMAQUA DR & E RIVER RD

DATE PREPARED

APR 11,199

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AMOUNT OF LAST BILL

AMOUNT OF LAST BILL

PAYMENTS AND ADJUSTMENTS

ACCOUNT BALANCE AT BILLING TIME

CUSTOMER CHARGE THIS BILLING PERIOD(11.00 MO.)

CUSTOMER CHARGE THIS BILLING PERIOD(11.00 MO.)

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ENERGY CHARGE THIS BILLING PERIOD (10.00 MO.)

ENERGY CHARGE THIS BILLING PERIOD FER KWH

PENERGY COST RATE TO 2269CR CENTS PER KWH

PENERGY COST RATE TO 269CR C

PRESENT ACCOUNT BALANCE (A + B)

#6347.86

LATE PAYMENT CHARGE NCLUCED IN THE BILLING 1.25%

DUE DATE APR 26,90

AMOUNT DUE 6347.1

WESTINGHOUSE ELECTRIC CORP TCE FACILITY #1 TUSCARAWAS RD 15009 BEAVER PA

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

020587166308+ 0328900+ 0006327370+ 0006327370+

ACCOUNT NUMBER

SERVICE USED AT:

V05-871663-0 TAMAQUA DR & E RIVER RD

. DATE PREPARE

RATE GM GENERAL SERVICE MEDIUM

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65280 .60 1.26 242.00 204 320.0 0315 0111 Service Control

\$5212.30 5212.30 \$0.00 AMOUNT OF LAST BILL PAYMENTS AND ADJUSTMENTS (A) ACCOUNT BALANCE AT BILLING TIME CUSTOMER CHARGE THIS BILLING PERIOD(.96 MO.)
DEMAND CHARGE - 5 KW AT NO CHARGE
237.0 KW AT \$16.4300 PER KW X .96
ENERGY CHARGE - 65280 KWHRS
ENERGY COST RATE - .2351CR CENTS PER KWH
PENNSYLVANIA SALES TAX
RATE REFUND - .1940CR CENTS PER KWH
(B) CURRENT BILLING PERIOD AMOUNT 153.47 365.33 126.64 \$6327.37 **\$6327.37** PRESENT ACCOUNT BALANCE (A + B)

LATE PAYMENT CHARGE ESTIMATED PA. STATE TAXES 1.25%

AMOUNT DUE DUE DATE 6327. MAR 28,90

Mary Control

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