

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 146 of 312**

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**Witness: John J. Spanos**

146. Provide all information obtained by Mr. Spanos and Gannett Fleming, Inc. from Company operating personnel, and separately, financial management personnel relative to current operations and future expectations in the preparation of the study (see Study, pages II-23 and II-24).

**Response:**

The attached pages set forth information obtained by Mr. Spanos from Company personnel relative to current operations and future expectations.

For electronic version, refer to KAW\_R\_AGDR1#146\_061807.pdf

ITINERARY FOR  
JOHN J. SPANOS

MARCH 13-14, 2007

Tuesday, Mar 13

Leave	Harrisburg	Delta Flt. 5465	6:30 a.m.
Arrive	Cincinnati	(Seat 11B)	8:06 a.m.
Leave	Cincinnati	Delta Flt. 5143	9:00 a.m.
Arrive	Lexington	(Seat 01C)	9:41 a.m.

HOTEL: Sheraton Suites Lexington (Confirmation No C821328694)  
2601 Richmond Road **YOU MUST SHOW YOUR AAA CARD**  
Lexington, KY 40409  
Ph: (859) 268-0060  
FAX: (859) 268-6209

PURPOSE: Management meeting and field review for Kentucky American depreciation study.

Contact: Linda Bridwell, PE  
Project Delivery & Developer Svces Mgr - WV, KY TN SE Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

Wednesday, Mar 14

Leave	Lexington	Delta Flt. 4998	6:00 p.m.
Arrive	Cincinnati	(Seat @ check-in)	6:45 p.m.
Leave	Cincinnati	Delta Flt. 5368	7:35 p.m.
Arrive	Harrisburg	(Seat 01C)	9:01 p.m.

TUESDAY MEET SHANNON WALKER  
WEDNESDAY MEET PAUL TUDOR

Tank Name	Tank Type	Tank Vol (MG)	Dimensions			Elevations		Year Built	Comp. Type	Foundation Type
			Diameter (feet)	Radius (feet)	Height (feet)	Base (USGS)	Outlet (USGS)			
KRS - Hydrotreater #1	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1957	welded	slab & ring, Pipe vault
KRS - Hydrotreater #2	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1957	welded	slab & ring, Pipe vault
KRS - Hydrotreater #3	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1958	welded	slab & ring, Pipe vault
KRS - Hydrotreater #4	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1958	welded	slab & ring, Pipe vault
KRS - Hydrotreater #5	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1965	welded	slab & ring, Pipe vault
KRS - Hydrotreater #6	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1965	welded	slab & ring, Pipe vault
KRS - Hydrotreater #7	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1970	welded	slab & ring, Pipe vault
KRS - Hydrotreater #8	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1970	welded	slab & ring, Pipe vault
KRS - Hydrotreater #9	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1982	welded	slab & ring, Pipe vault
KRS - Hydrotreater #10	Process Unit	0.500	69.67	17.75	17.75	898.00	915.75	1982	welded	slab & ring, Pipe vault
KRS - Washwater #1	Standpipe - dome roof	0.205	28.00	44.50	44.50	917.00	961.50	1957	welded	ring wall
KRS - Washwater #2	Standpipe - dome roof	0.330	36.00	44.50	44.50	917.00	961.50	1967	welded	ring wall
KRS - Cleanwell	Reservoir - cone roof	2.000	110.00	30.00	30.00	897.50	927.50	1982	welded	ring wall
RRS - Washwater #1	Standpipe - cone roof	0.050	24.00	15.00	15.00	1,031.81	1,046.81		riveted	ring wall
Cox Street EST	Radial Cone	1.000	78.00	30.00	160.00	957.00	1,117.00	1955	welded	Piers, pipe vault
Eastland EST	Composite EST	2.000	96.00	42.00	135.33	1,034.87	1,170.00	2005	composite	ring wall
Mercer Road EST	Torospherical	2.000	105.00	34.75	125.00	982.00	1,107.00	1964	welded	Piers, pipe vault
Tates Creek EST	Double Ellipsoidal	0.500	50.00	37.50	148.25	1,037.00	1,185.25	1954	welded	Piers, pipe vault
Cox Street GST	Reservoir - cone roof	1.000	70.00	35.00	35.00	967.00	1,002.00	1948	welded	slab & ring, Pipe vault
Parkers Mill GST	Reservoir - cone roof	3.000	113.00	40.00	40.00	985.50	1,025.50	1968	welded	slab & ring, Pipe vault
York Street GST	Reservoir - cone roof	1.000	70.00	35.00	35.00	965.50	1,000.50	1948	welded	slab & ring, Pipe vault
Hume Road GST	Reservoir - cone roof	3.000	120.00	36.00	36.00	943.50	979.50	1987	welded	slab & ring, Pipe vault
Clays Mill #1 GST	Reservoir - dome roof	3.000	120.00	37.00	37.00	985.50	1,022.50	1994	prestress	slab
Clays Mill #2 GST	Reservoir - dome roof	3.000	120.00	37.00	37.00	985.50	1,022.50	2004	prestress	slab
Russell Cave GST	Reservoir - dome roof	1.000	75.00	30.33	30.33	990.50	1,020.83	2005	prestress	slab
Sadville SP	Standpipe - dome roof	0.380	30.00	72.00	72.00	920.00	992.00	1975	welded	slab & ring, Pipe vault
Hall Tank SP	Standpipe - cone roof	0.200	20.00	90.00	90.00	1,025.00	1,115.00	1965	welded	slab & ring, Pipe vault
Muddy Ford EST	Hydropillar	0.750	64.00	39.50	121.50	1,008.50	1,150.00	1989	welded	slab & ring, Pipe vault
Briarhill Tank EST	Torospherical	0.750	60.00	40.00	138.00	1,012.00	1,150.00	1998	welded	Piers, pipe vault
Clintonville Road SP	Standpipe - cone roof	0.119	15.00	90.00	90.00	1,025.00	1,115.00		welded	slab & ring
Beckerville SP	Standpipe - cone roof	0.106	15.00	80.00	80.00	1,003.00	1,083.00		welded	slab & ring
Hesler SP	Standpipe-glass lined	0.237	19.67	102.33	102.33	953.00	1,055.33	1995	bellied	round mat
Monterey SP	Standpipe-glass lined	0.117	19.67	51.33	51.33	600.00	651.33	1995	bellied	round mat
Bromley SP	Standpipe-glass lined	0.177	16.80	107.00	107.00	908.00	1,015.00	1993	bellied	round mat
Glencoe SP	Standpipe - cone roof	0.100	25.00	27.30	27.30	793.00	820.30	1965	welded	round mat
Sparta SP	Standpipe - cone roof	0.050	20.00	23.00	23.00	640.00	663.00	1965	welded	round mat
Long Ridge SP	Standpipe - cone roof	0.100	14.75	78.00	78.00	965.00	1,043.00	1965	welded	round mat
Wheatly SP	Standpipe-glass lined	0.133	14.00	112.00	112.00	909.50	1,021.50	1999	bellied	round mat
Elk Lake Tank	Standpipe	0.100	20.00	50.00	50.00	910.00	960.00	1967	welded	slab & ring
New Columbus SP	Standpipe-glass lined	0.229	16.75	139.00	139.00	980.00	1,119.00	2003	bellied	round mat
Owenton EST 1	Double Ellipsoidal	0.100							welded	
Owenton EST 2	Hybrid	0.400							welded	

North Middleton  
1054.00 HGL  
Owenton  
1097.00 HGL

22.58 in service  
22.81 all tanks  
1.24  
Owenton Storage 0.50

Tank Name	Tank Type	Tank Vol. (MG)	Inlet Pipe Size (in)	Outlet Pipe Size (in)	Overflow Pipe Size (in)	Alt. Valve Size	Altitude Valve Type & Size (in)	Check Valve Size	Misc. Comments
KRS - Hydrotreater #1	P.U.	0.500							
KRS - Hydrotreater #2	P.U.	0.500							
KRS - Hydrotreater #3	P.U.	0.500							
KRS - Hydrotreater #4	P.U.	0.500							
KRS - Hydrotreater #5	P.U.	0.500							
KRS - Hydrotreater #6	P.U.	0.500							
KRS - Hydrotreater #7	P.U.	0.500							
KRS - Hydrotreater #8	P.U.	0.500							
KRS - Hydrotreater #9	P.U.	0.500							
KRS - Hydrotreater #10	P.U.	0.500							
KRS - Washwater #1	S.P.	0.205							
KRS - Washwater #2	S.P.	0.330							
KRS - Clearwell	R.	2.000							
RRS - Washwater #1	S.P.	0.050							
Cox Street EST	R.C.	1.000			6	16	Ross 40AWR	N/A	
Mercer Road EST	R.C.	2.000			12	16	Ross 40AWR	N/A	
Tates Creek EST	D.E.	0.500			6	12	Ross 40DAWR	N/A	
Cox Street GST	R.	1.000	12	12	6	8	Ross 40AWR	N/A	
Parkers Mill GST	R.	3.000	24	24	16	16	Ross 40AWR	N/A	
York Street GST	R.	1.000	12	12	6	8	Ross 40AWR	N/A	
Hume Road GST	R.	3.000			16	16	Ross 40AWR	N/A	
Clays Mill GST	R.	3.000			n/a	18	Ross 50RWR	N/A	10" Surge Relief Valve
Sadieville SP	S.P.	0.380			6	8	Ross 30RAWR	N/A	
Hall Tank SP	S.P.	0.200			6	6	Ross 30AWR	N/A	
Muddy Ford EST	H.P.	0.750	16	16	12	12	Ross 40DAWR	N/A	1.25" Pressure Relief Valve
Briarhill Tank EST	T.S.	0.750	12	12	6	12	Ross 30RAWR	N/A	Alt. V. tee'd off inlet-outlet line
Clintonville Road SP	S.P.	0.119			n/a	6	Ames		
Becknerville SP	S.P.	0.106			n/a	6	Bermaid Mdl 780-70AX1		
Hesler SP	S.P.	0.237	6	6	6	6	Bermaid	6	
Monterey SP	S.P.	0.117	6	6	6	6	Bermaid	6	
Bromley SP	S.P.	0.177			6	6	Bermaid		
Glencoe SP	S.P.	0.100			6	6	Bermaid		
Sparta SP	S.P.	0.050			2	4	GA 32-D		
Long Ridge SP	S.P.	0.100			2	6	Ross 40 DAWR		
Wheatly SP	S.P.	0.133			2	6	Bermaid		

①

( STAND STANDPIPE 10:30

① TANK - 2MG

RUSSELL CAVE BOOSTER + STANDPIPE 10:50

② 1 MG TANK + GENERATOR

3 PUMPS

2 - 200HP + 1 40HP

2005 INSTALLATION

③ PUMPS

UNDERGROUND STATION - 8' x 30'

SCADA IN PLACE AT ALL STATIONS + TANKS

100 GPM LAKE IN BACK

PLAN TO REMOVE PUMPS AT PARKERS MILL STA + KENTUCKY RIVER STA

NEW TREATMENT FACILITY + TRANS. LINES 2010

NEWTON PIKE BOOSTER STATION 11:10

3 PUMPS - 2 - 50HP + 1 - 15HP

1988/1989 CONSTRUCTION

④ PUMPS

⑤ GENERATOR - 230KW

⑥ CONTROLS

MASSE STATION FOR AREA

⑦ BOUNDARY

1' x TANK + BOOSTER 11:50

- ⑧ TANK 20000 GAL 1965
- ⑨ 2-10 HP PUMPS - 2000 + INLET LINES
- ⑩ VALVE + CONTROLS
- UNDERGROUND STATION - 8' x 20'

HOME LD BOOSTER STATION + TANK 12:25

- 3 PUMPS
- ⑪ BUILDING - BRICK + MASOARY
- 2 PUMPS 150HP + 1-300HP
- ⑫ ALTITUDE VALVES
- ⑬ LINES
- ⑭ GENERATOR + CONTROLS
- CUMMINS - 700 KW
- 1987 CONSTRUCTION
- ⑮ 3 MG TANK

BRIM Hill BOOSTER STATION 12:40

- 2 PUMPS - 1987 CONSTRUCTION ⑯
- ⑰ CONTROLS
- PUMPS - 125 HP
- ⑱ PUMPS + RAISE VALVES
- UNDERGROUND TANK STATION

1' WYCKOFF RIVER TREATMENT PLANT 2:15

40 MGD STATION

Sludge Lagoons

10 Aeration Units 1991

LAB & HIGH SERVICE BUILDINGS - 1980s

WASH WATER TANKS (2) AND 2 RUNG BY VALVES

RAW WATER BUILDING > 1950

Chemical Building

STORAGE TANK (2 MG) CLEARWATER

INTAKE 1967/1982

(19) HIGH SERVICE BUILDINGS

(20) Aeration Units

6 HIGH SERVICE PUMPS

(21) ~~5~~ WASH WATER PUMPS

(22) PUMP #10 VERTICAL

(23) PUMPS #11-#13 2 HORIZONTAL

(24) HIGH SERVICE PUMPS #14 & #15

1 MG CLEARWATER UNDERGROUND BY HIGH SERVICE BUILDING

8 Aeration Units ABOUT DRAINAGE TREAT TWO STAGE

(25) WASH WATER TANKS

(26) RAW WATER BUILD + CHEM BLDG

(27) RAPID MIX CHAMBER + LINE SINK

(27A) ~~4~~ 400 FT INCHES TO INTAKE  
LINE FROM INTAKE TO RAW

(28) SMALL STORAGE TANK - A.O.

(29) AIR COMPRESSORS + CONTROLS

(3) INTAKE CONTROL BLDG

(31) TRANSDUCER SERVICES - 2003

(32) INTAKE

(33) 6 RAW WATER PUMPS - 1250HP EACH  
AN SIX R.P. FROM BUILDING AND 40

(34) INTAKE AREA

- (35) Low Solids Pumps
  - SODIUM THIOSULFATE
  - POTASSIUM PERMANGANATE
- (36) CAUSTIC FEED TANKS & PUMPS
  - ADJUSTED
  - POUNDING CABIN
- (37) FLUORIDE TANK & PUMPS
- (38) POWDER TANKS
- (39) FERRIC CHLORIDE
- (40) 2116 CLOTHES
- (41) ALBERT UNIT # 2 + VALVE HOUSE (+1 OF 5)

CLAYS MILL BOOSTER + TANK 3.95

- (42) BOOSTER BUILDING
  - 1994 CONSTRUCTION FOR BLOW + 1 TANK
  - SECOND TANK 2004
- (43) 2-500HP PUMPS
- (44) ALTITUDE VALVE
- (45) CONTROLS
- (46) TANK # 1
- (47) TANK # 2
- (48) DIESEL GENERATOR



JOY STREET BOOSTER & TANKS 4:30

(49) ELEVATED TANK

(50) GROUND TANK

(51) UNDERGROUND STATION

(52) 100 HP PUMP

ALTITUDE VALVE & BOOSTER PUMP FOR ELEVATED TANK

(53) ALTITUDE VALVE & BOOSTER PUMP

1948 CONSTRUCTION TANK & BOOSTER

1955 ELEVATED TANK

MORRIS ROAD TANK 4:45

1964 CONSTRUCTION

2466 TANK

(54) TANK

MORRIS ROAD BOOSTER 4:45

(55) UNDERGROUND STATION - 10 FT DIAMETER

(56) ALTITUDE VALVE

(57) PUMP - 75 HP

CONTROLS & P. PUMP

1969 CONSTRUCTION

MONROE ROAD TREATMENT STATION 5/30

1971 + 1986 RENOVATIONS

- (58) HIGH SOURCE PUMPS \*5
- (59) HIGH SOURCE PUMPS \*18 + \*17
- (60) HIGH SOURCE PUMP \*9
- (61) CHEMICAL BOWL #1
- (62) CHEMICAL + CHEM BOWL #2
- (63) HIGH SOURCE BUILDING
- (64) CASTIC SODA TANKS + PUMPS
- (65) CHLORINE TANKS + PUMP
- (66) FILTER BUILDING
- (67) FILTER CONTROLS \*8
- (68) FILTERS (4 OF 8)
- (69) SEDIMENTATION BASIN #1
- (70) SEDIMENTATION BASIN #2
- (71) SLUDGE PRESS BUILDINGS
- (72) 7 SLUDGE PUMPS + CONTROLS
- (73) FILTER PRESS BUILDING + SLUDGE BASINS
- (74) FILTER PASSES + PUMPS
- (75) WASH WATER BINS
- (76) RESISTOR #4
- (77) CHEM BOWL #2 - 1995 RENOVATIONS
- (78) CARSON FEED EQUIP
- (79) POTASSIUM TANK + EQUIP
- (80) ALUM TANK + EQUIP
- (81) FERRIC TANK + EQUIP

HEADQUARTERS BUILDING 6/95

- (82) ROOF OF BUILDING
- (83) TRUCKS
- (84) FRONT OF BUILDING

8 Water Treatment Plant 7130 Paul Turner

11/1/07

1993 Construction

Change Feed and Packaged

New Laundry Room

Continuous Renovations

Soon to have SCADA for 3 months

(85) Clarifiers

(86) 1 of 2 Filters

Old Plant Built in 1933

(87) Clarifiers - Clarifier

(88) Line from Kottick Pond

Lab Room

Chlorine, Fluoride, Boric Acid, Ferric

(89) Fluoride Feed

(90) Ferric Chloride

(91) Carbon Feed

Line Feed only used for 5-6 yrs - now out of service

(92) Armonia Feed

(93) Chlorine Feed + Tanks

2007 Additions

(94) Storage Tank - 230,000 GAL

Chlorine Below Deck - 50,000 GAL

(95) 2 Low Service Pumps - 30HP

(96) 2 High Service Pumps - 75HP

(97) Backwash + Effluent Pumps AND MESSAGES

(98) Stack Feed

(99) 2- 25HP Boston Pumps

(100) Booster Pump Deck

(101) New Lines used for Backwash D/W

new line to come off Pump Deck at Pump House

Owenton Tank #1 10:00

- (102) 100,000 GALLON TANK
- SOUND TO BE PAINTED
- 1950s

Owenton Tank #2 10:05

- \$400,000 GALLON
- (103) (104) TANK
- 1970s EARLY 1980s
- SOUND TO BE PAINTED

North Boston Station #1 10:10

- 2 PUMPS - 25 HP
- (105) UNDERGROUND STATION - 10' x 10' DIAMETER
- 1998 CONSTRUCTION
- (106) PUMPS + PIPING

ALL NORTHEAST DIVISION BOOSTER STATIONS UNDERGROUND  
+ 1 OLEOST AND STAGE FLOOR RIGID CONCRETE.

DISTRIBUTION BUILDING 10:15

- (107) STRUCTURE ON HAND
- LATE 70s EARLY 80s
- WAREHOUSE OF EQUIPMENT

SEINE LOADING STATION 10.15

(108) CHURNING EQUIP

(109) STRUCTURE

1 OF 2 IN SYSTEM

FIRES DIRECTLY INTO LAKE

CHURCH ROSSER STATION 10.20

1 OF 4 STATIONS

(110) CHURNING PUMP & TANKS

BUDGET OF 4 UNITS - 1980s

(111) STRUCTURE

LESLIE HOWE TANK 10.20

(112) TANK

100,000 GALLON

PAINTED IN 2003

SPARTA TANK 10.50

50,000 GALLON

SIMILAR TO BLEW (see tank) (NOT CURRENTLY USED)

WELDED

(113) TANK

TRUCKS EQUIPMENT BUILT IN 2004 - REST OF SYSTEM BY SUMMER 2007

WINTER STANDARDS 11:05

175,000 GALLON GLASS LINED

WINTER STANDARDS TANK

(114) TANK 16.76' DIAMETER 107' HIGH 1993

(115) ALTITUDE VALVE PIT & BOOST

OLDEST OF GLASS LINED TANKS

ELK LAKE TANK SIMILAR TO SPARTA TANK - NOT IN SERVICE

HESLER STANDARDS 11:35

(116) 230,000 GALLON TANK

102' HIGH

1995 CONSTRUCTION

(117) CHIMNEY BUILDING AND ALTITUDE VALVE PIT

1998 CONST.

1995 CONST.

MONTECAT TANK SIMILAR BUT 124,000 GALLON

ROCKDALE CHIMNEY BOOSTER 12:00

CONVERT TO CHIMNEY FROM SCOTT COUNTY SYSTEM

(118) CHIMNEY PUMPS & EQUIP

2005 CONSTRUCTION

(119) CHIMNEY BUILDING

MASPERA MODEL P1

NEW COMBUS (CONCRETE) TANK 1:15

1,000,000 GALLON, 139' HIGH

ALTITUDE VALVE

NEWEST TANK CONSTRUCTION 2003

(120) TANK

**KENTUCKY-AMERICAN WATER COMPANY  
CASE NO. 2007-00143  
ATTORNEY GENERAL'S REQUEST FOR INFORMATION**

**Item 147 of 312**

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**Witness: John J. Spanos**

147. Please provide all notes taken during any meetings with Company personnel regarding the study. Identify by name and title, all Kentucky-American Water Company (“KAWC” or “the Company”) personnel who provided the information, and explain the extent of their participation and the information they provided.

**Response:**

The notes taken during meetings with Company personnel regarding the study are attached to Data Request No. 146. The list below sets forth the Kentucky-American Water Company personnel, and their titles, that I met with. Each individual was involved in the visit and provided information related to plant assets.

<u>Name</u>	<u>Title</u>
Shannyn Walker	Planning Engineer
Paul Tudor	Sr. Operations Generalist

For electronic version, refer to KAW\_R\_AGDR1#147\_061807.pdf

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 148 of 312**

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**Witness: John J. Spanos**

148. Identify all plant tours taken during the preparation of the Depreciation Study.
- a. Identify those in attendance and their titles and job descriptions.
  - b. Provide all conversation notes taken during the tour.
  - c. Provide all photographs and images taken during the tour.

**Response:**

- a.& b. Please see response to AGDR1 Question 146.
- c. The attached photos were taken during the March 13 & 14, 2007 field tour.

For electronic version, refer to KAW\_R\_AGDR1#148\_061807.pdf

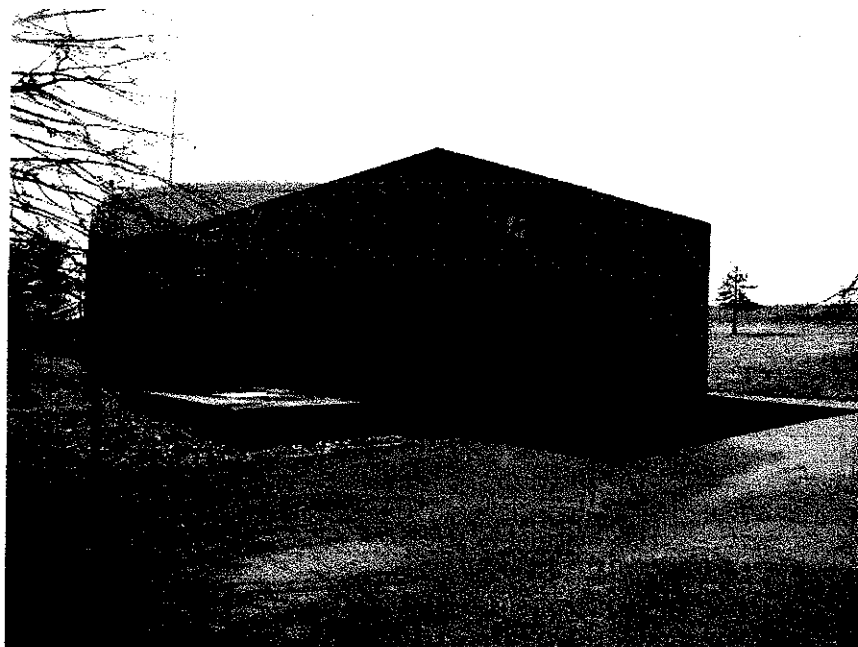


KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs    March 13 & 14, 2007



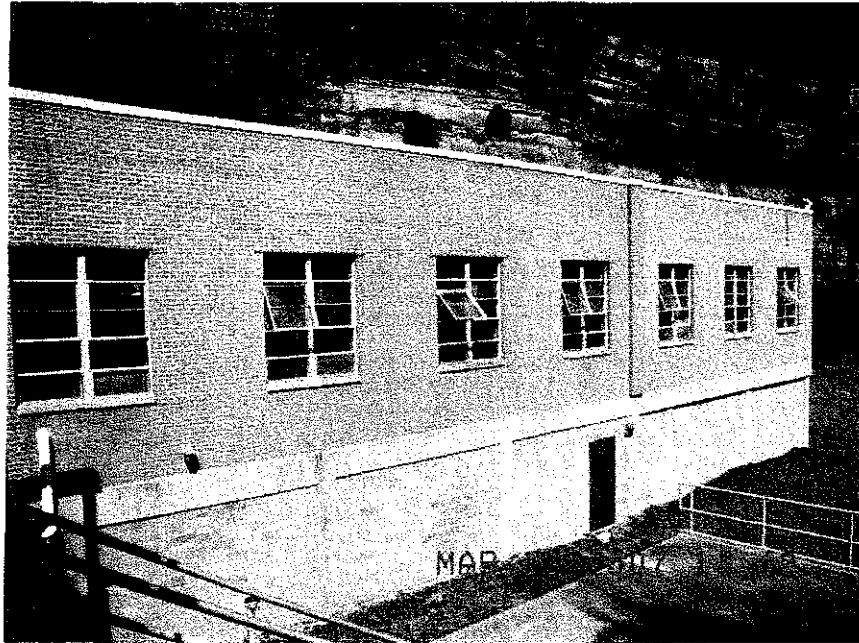
Newtown Pike Booster Station



Hume Road Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs    March 13 & 14, 2007



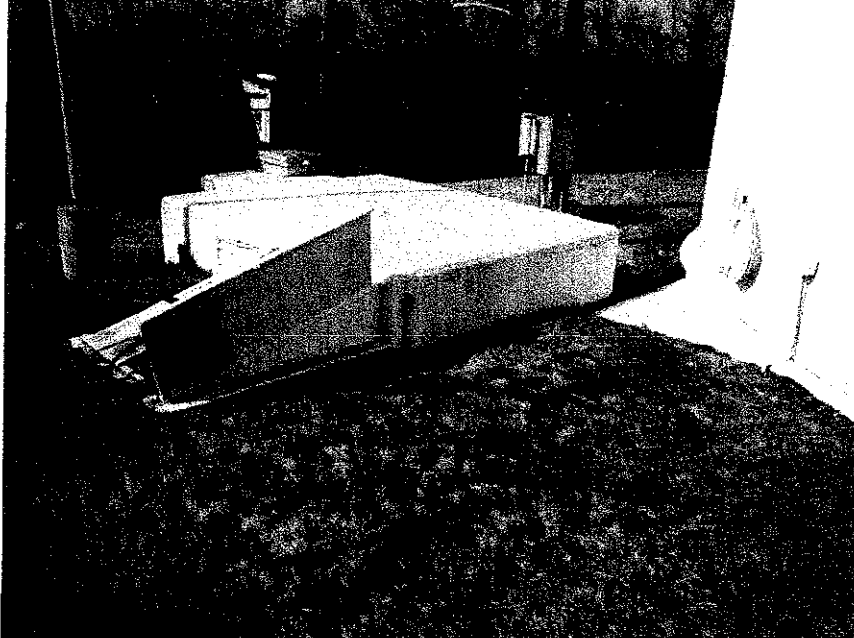
Motor Control Building by Kentucky River Intake



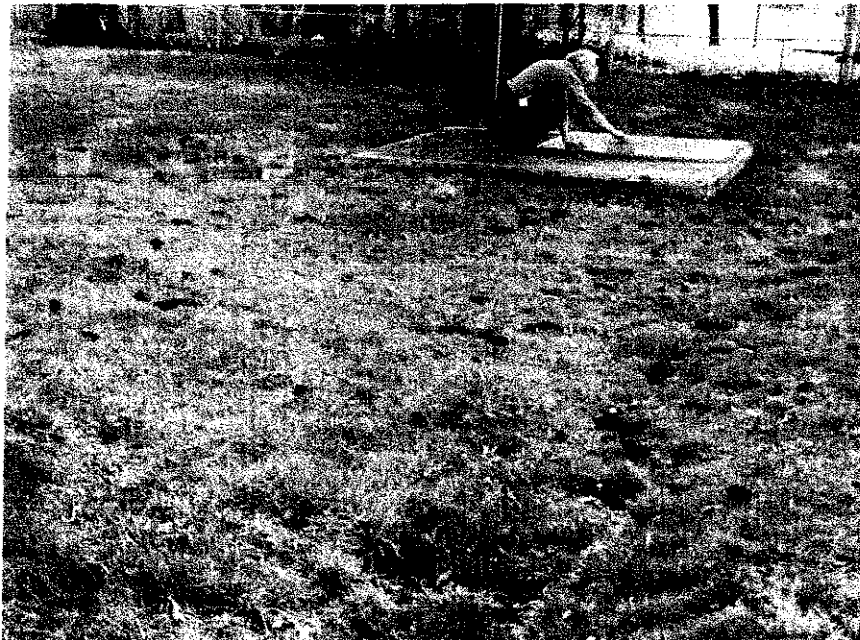
Clays Mill Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs      March 13 & 14, 2007



Underground Station at Cox Street



Underground Mercer Road Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs      March 13 & 14, 2007



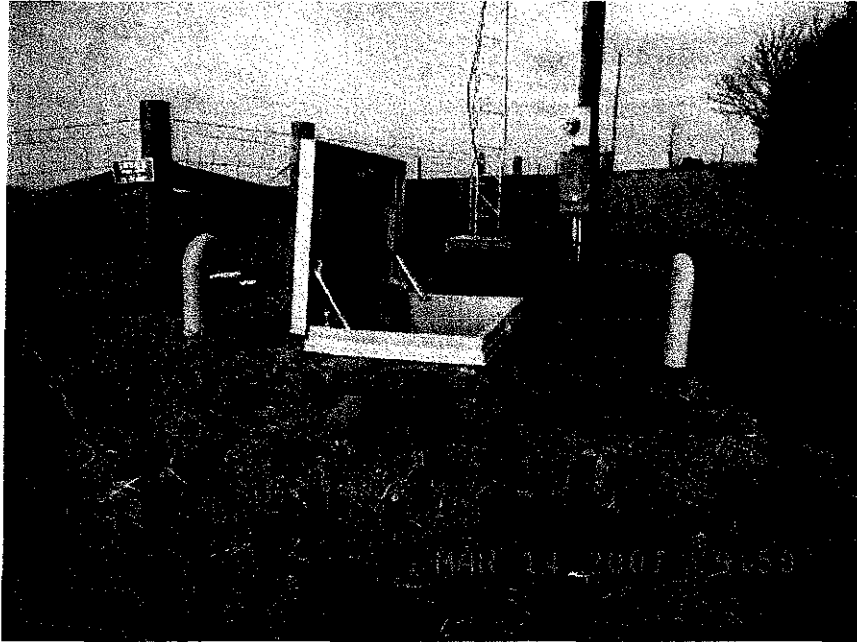
Chemical Building #2 at Richmond Road Treatment Plant



Booster Pump at Owenton Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs March 13 & 14, 2007



North Booster Station #1 - Underground



Chlorine Loading Station

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs    March 13 & 14, 2007



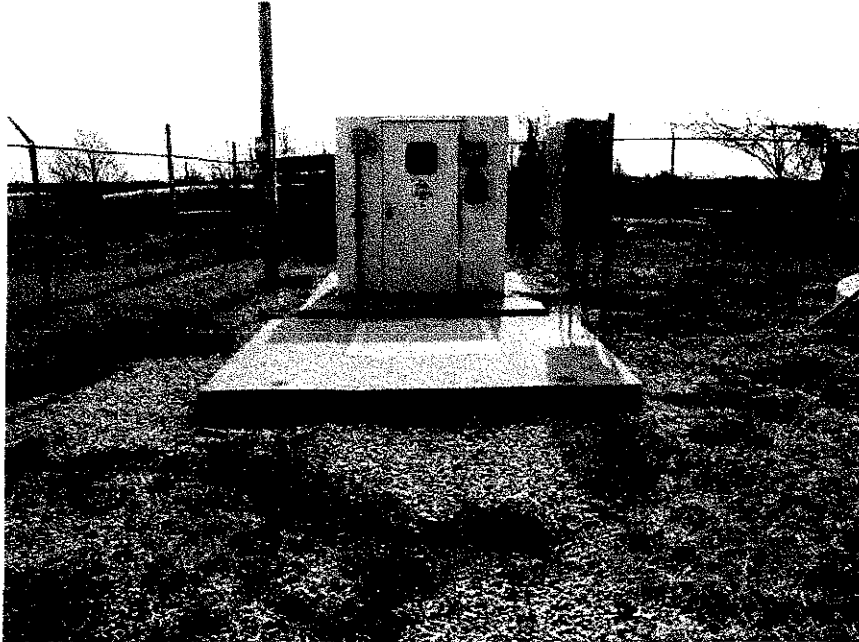
Chlorine Booster Station



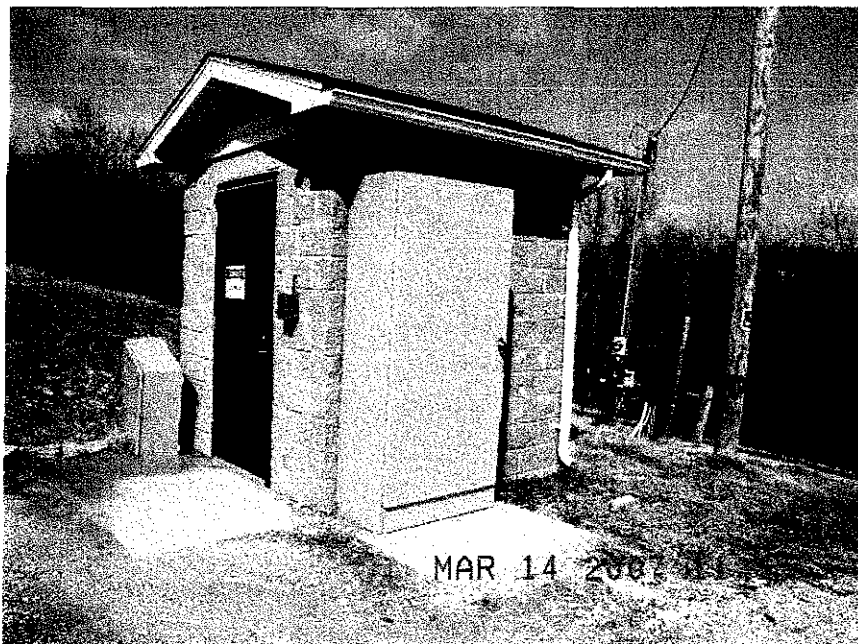
Altitude Valve Pit and Booster at Bromley Standpipe

KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structs & Improv. - Power & Pumping Structs March 13 & 14, 2007



Chlorine Building and Altitude Valve Pit at Hesler Standpipe

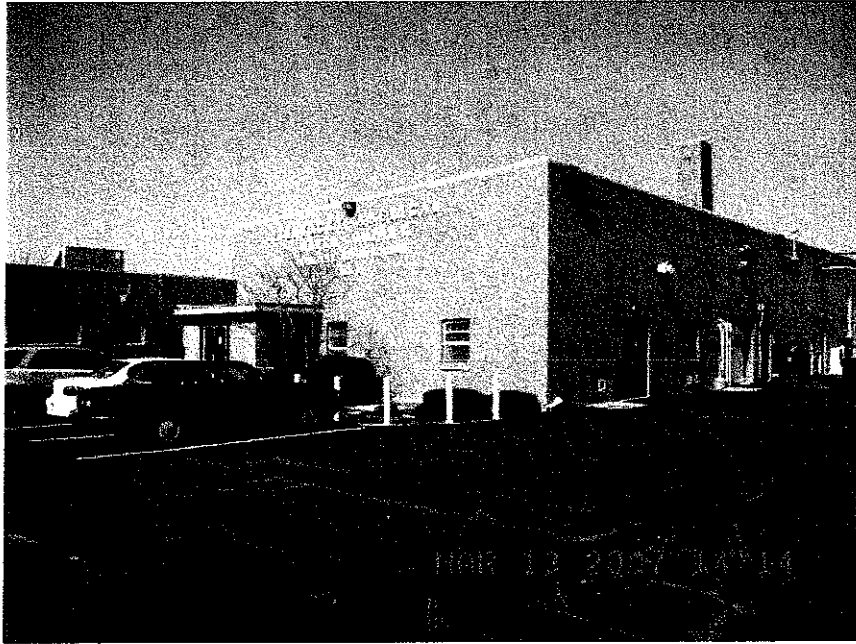


Rockdale Chlorine Booster Building

KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



High Service Building at Kentucky River Treatment Plant



Aldrich Units at Kentucky River Treatment Plant



KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Raw Water and Chemical Building at Kentucky River Treatment Plant



460' Incline from Plant to Intake at Kentucky River Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Aldrich Unit #2 and Valve House #1 at Kentucky River Treatment Plant



Chemical Building #1 at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Chemical Building #2 and Clearwell at Richmond Road Treatment Plant



High Service Building at Richmond Road Treatment Plant

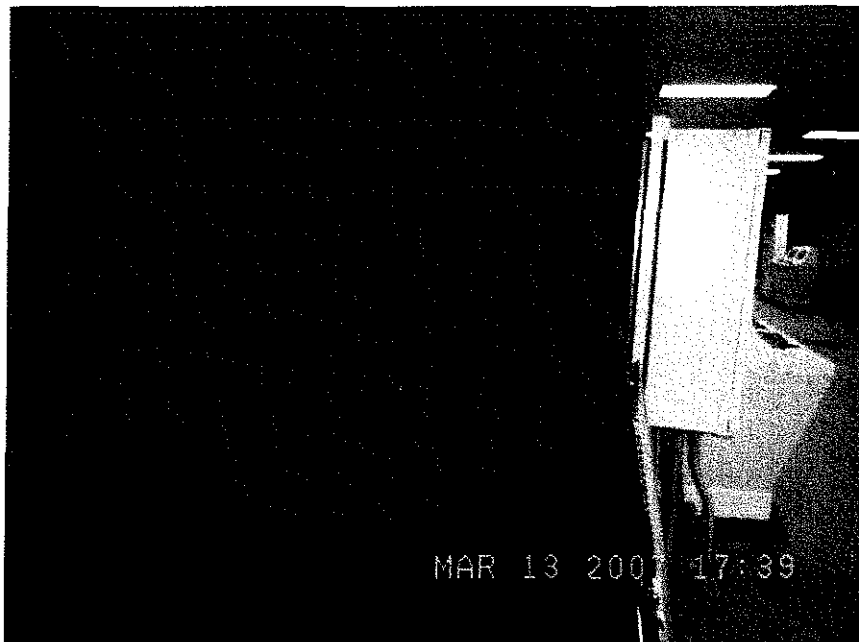
KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Filter Building at Richmond Road Treatment Plant



4 of 8 Filters at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.3 0, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Sludge Press Building at Richmond Road Treatment Plant



Filter Press Building and Sludge Basins at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Filters at Owenton Treatment Plant



Owenton Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.30, Structs & Improv. - Water Treatment

March 13 & 14, 2007



Old Owenton Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 304.61, Structures & Improv. - Office Buildings

March 13 & 14, 2007



Rear of Richmond Road Headquarters Building



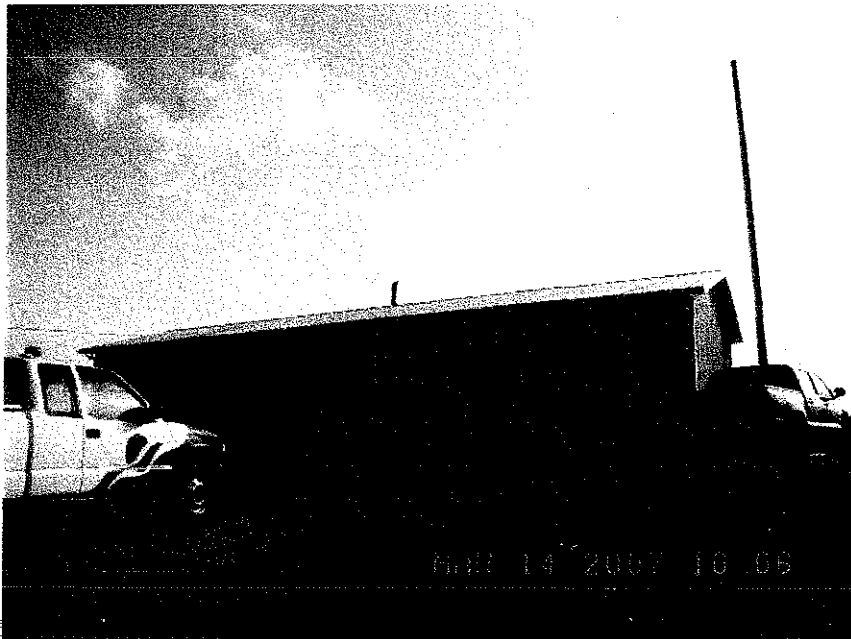
Front of Headquarters Building on Richmond Road



KENTUCKY AMERICAN WATER COMPANY

Account 304.20, Structures & Improvements

March 13 & 14, 2007



Distribution Building in Owenton

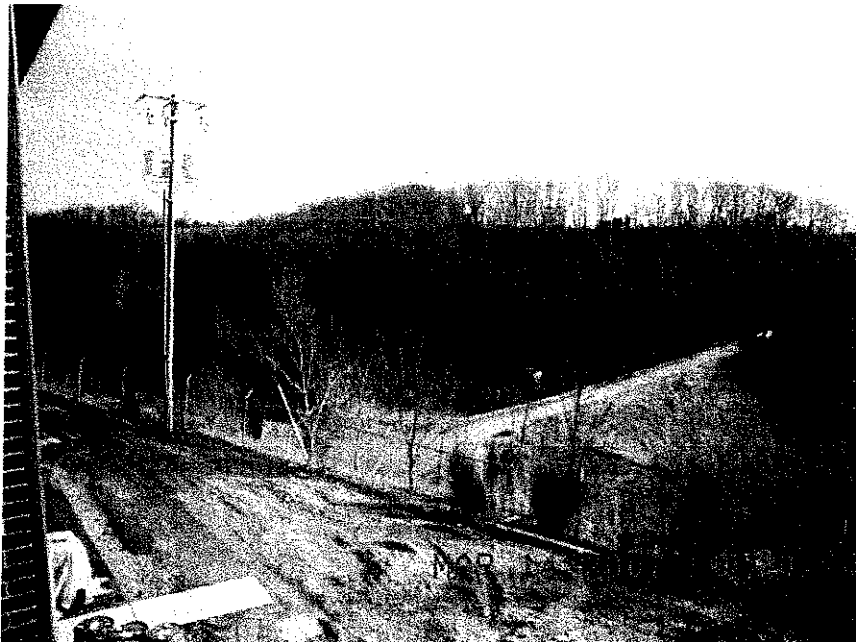
KENTUCKY AMERICAN WATER COMPANY

Account 305.00, Collecting & Impounding Reservoirs

March 13 & 14, 2007



Reservoir #4 at Richmond Road Treatment Plant

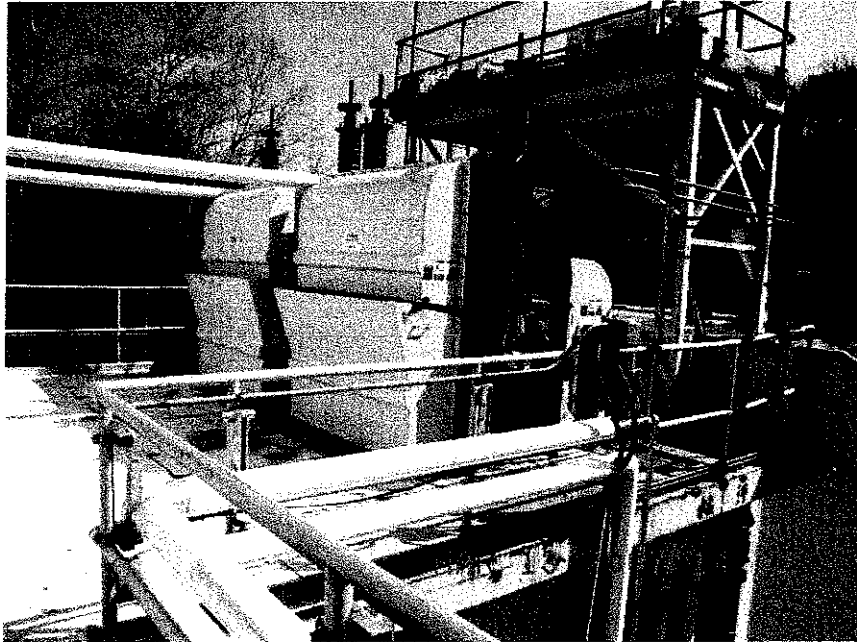


Lake from Kentucky River at Owenton

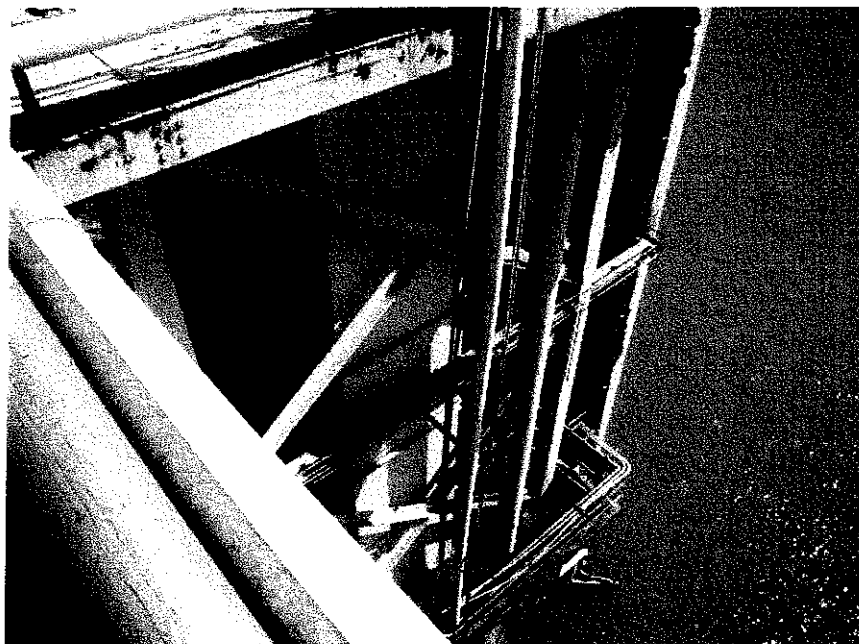
KENTUCKY AMERICAN WATER COMPANY

Account 306.00, Lake, River & Other Intakes

March 13 & 14, 2007



Traveling Screens at Kentucky River Intake

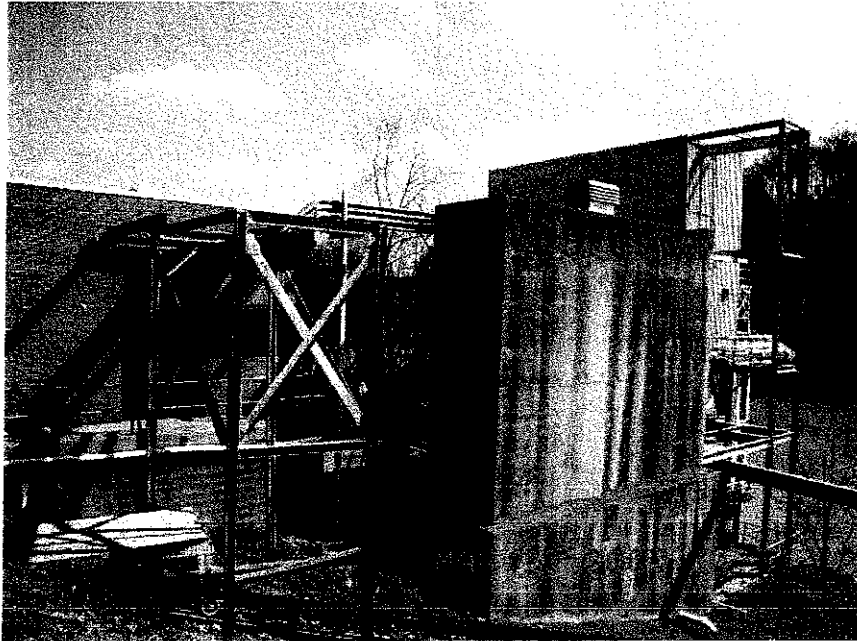


Intake at Kentucky Power

KENTUCKY AMERICAN WATER COMPANY

Account 306.00, Lake, River & Other Intakes

March 13 & 14, 2007

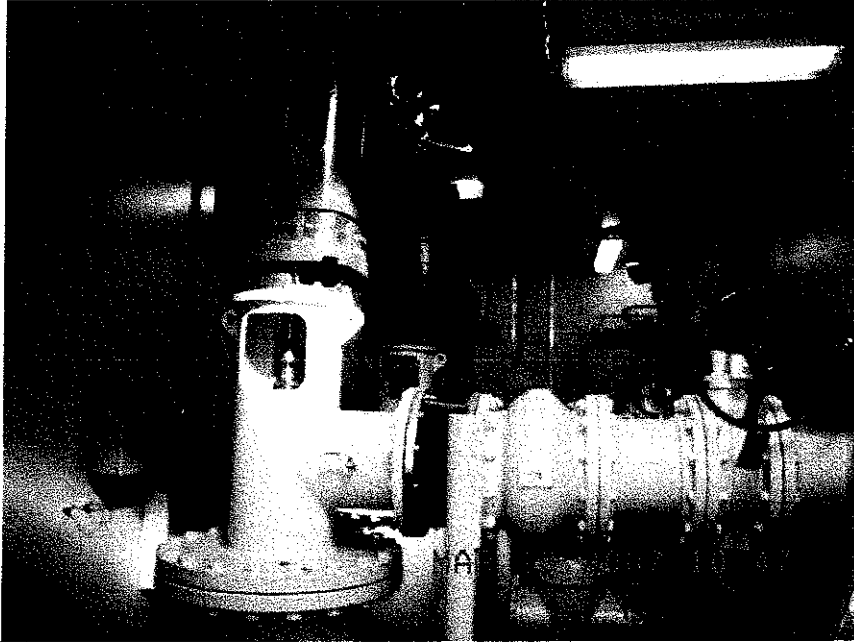


Intake Structure at Kentucky River

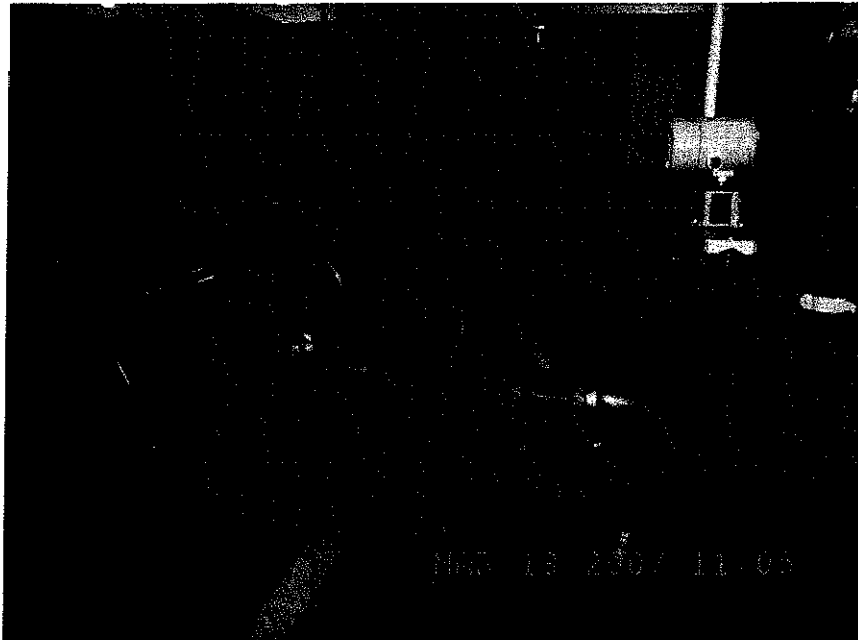
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Pumps in Russell Cave Booster Station

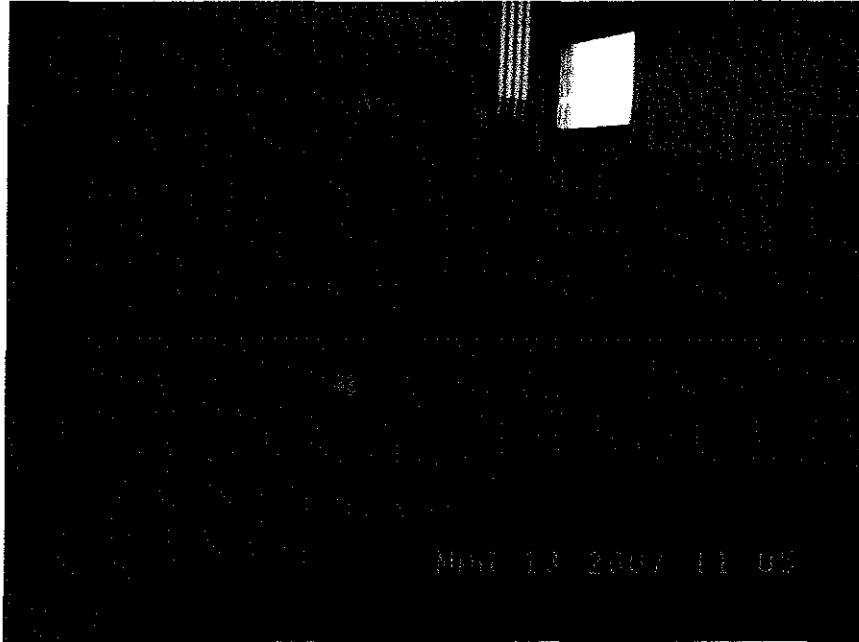


2 - 50HP Pumps and 1 - 15HP Pump at Newton Pike Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



230KW Generator at Newtown Pike Booster Station

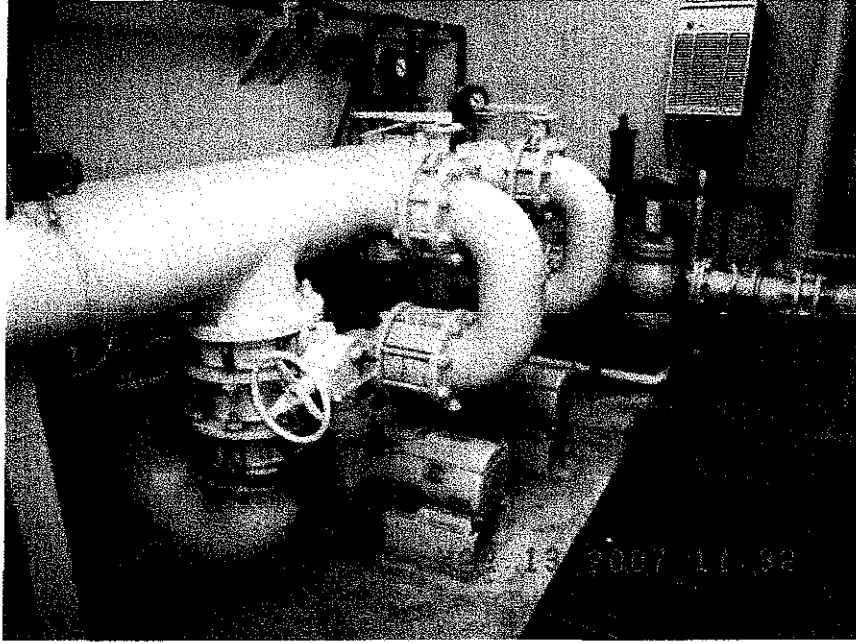


Controls at Newtown Pike Booster Station

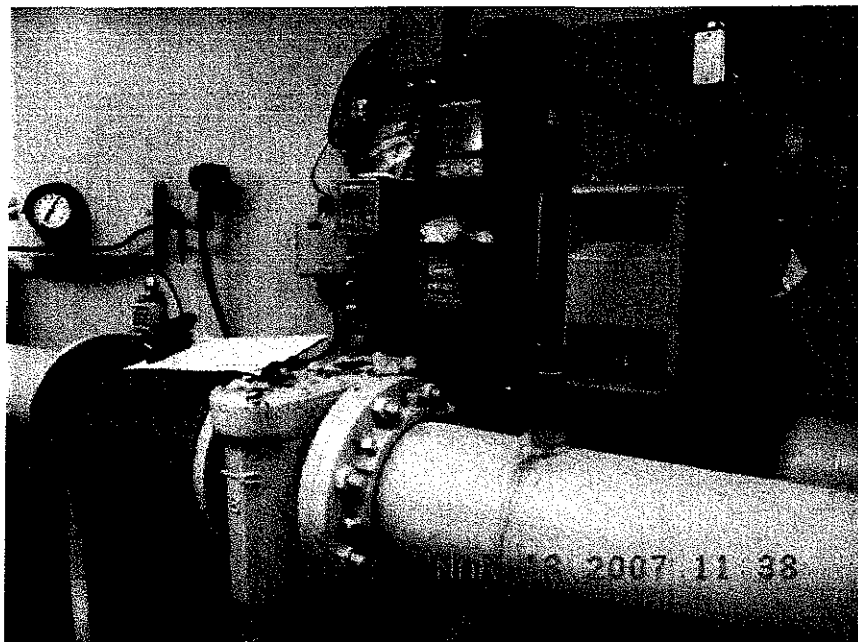
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



2 - 10P Pumps at Hall Booster Station

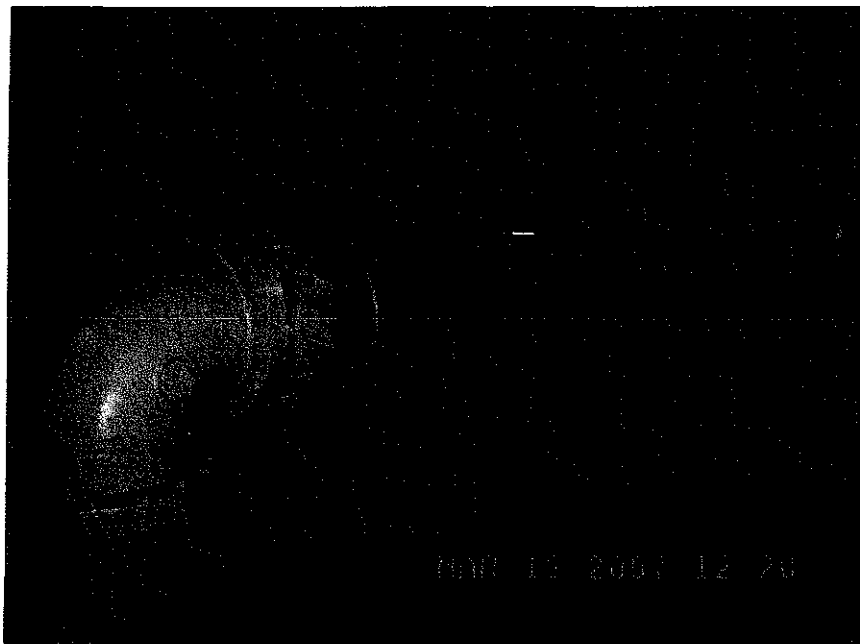


Valve and Controls at Hall Booster Station

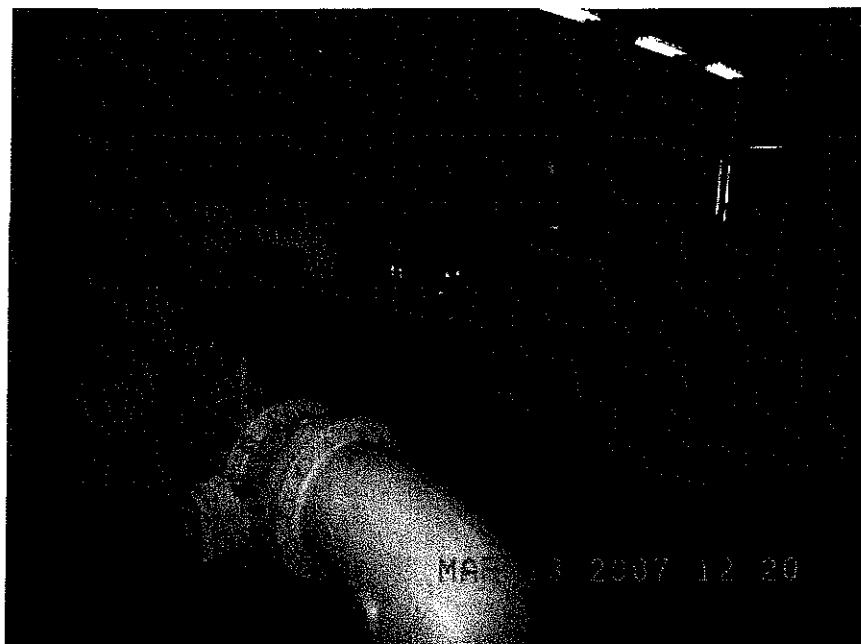
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Altitude Valve at Hume Road Booster Station



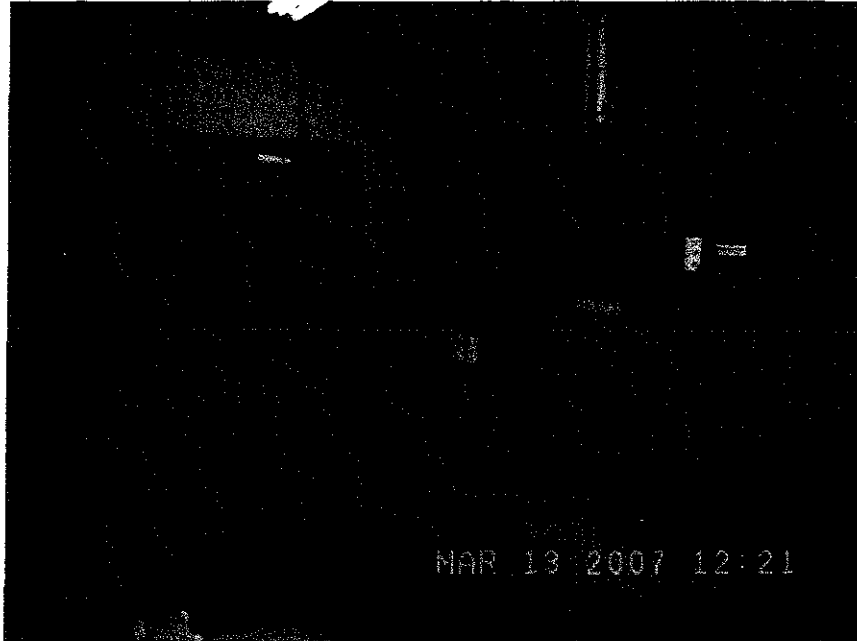
Pumps at Hume Road Booster Station



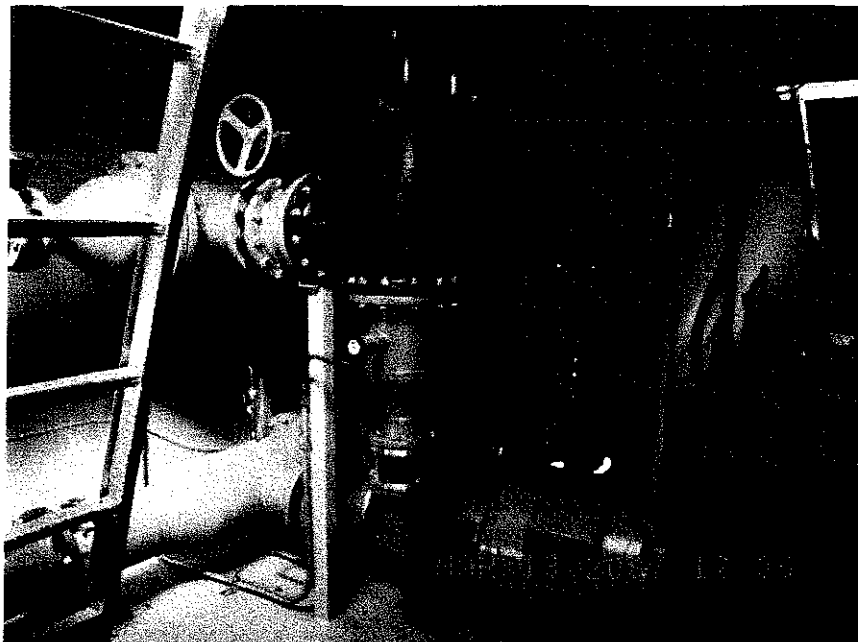
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



700KW Generator and Controls at Hume Road Booster Station

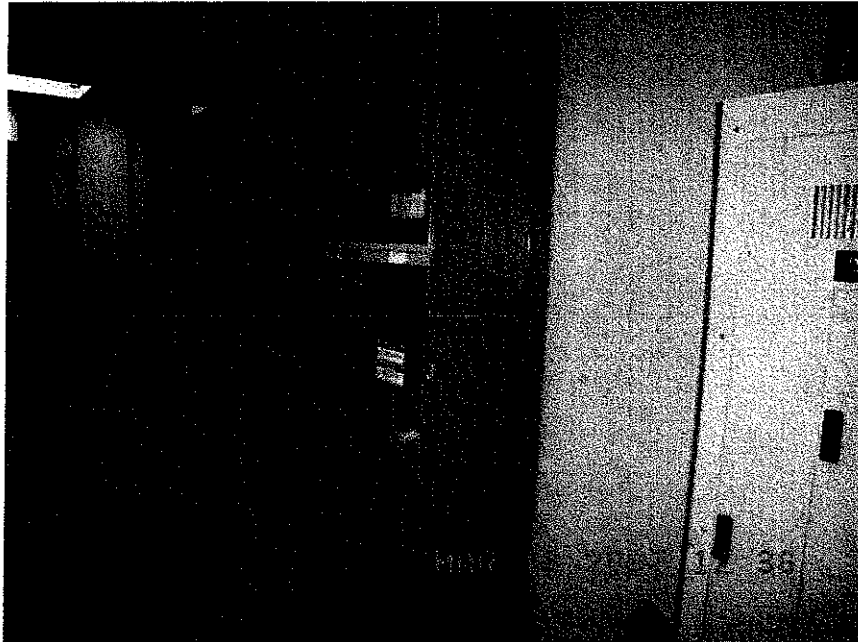


2 Pumps at Briar Hill Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Controls at Briar Hill Booster Station

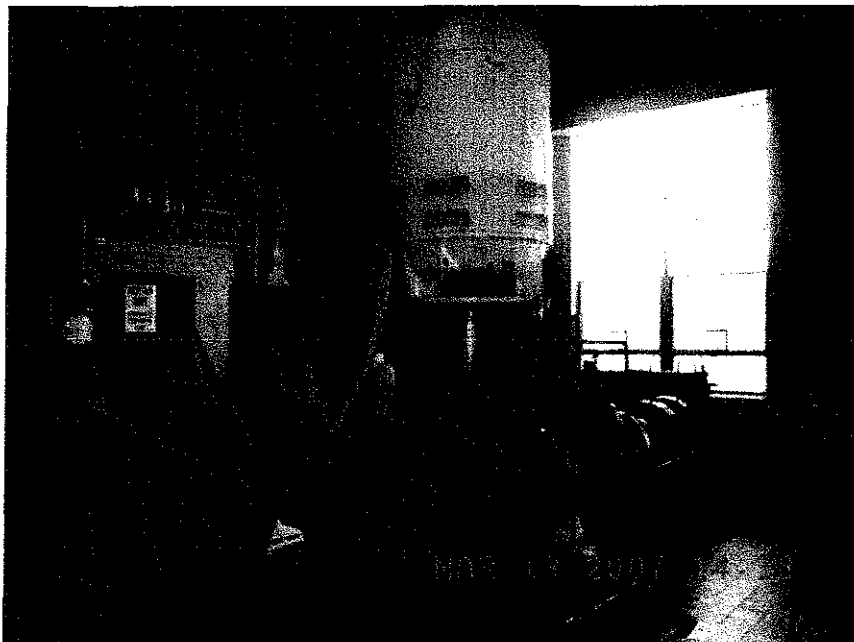


Pumps and Relief Valves at Briar Hill Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



#10 Vertical Pump at Kentucky River Treatment Plant

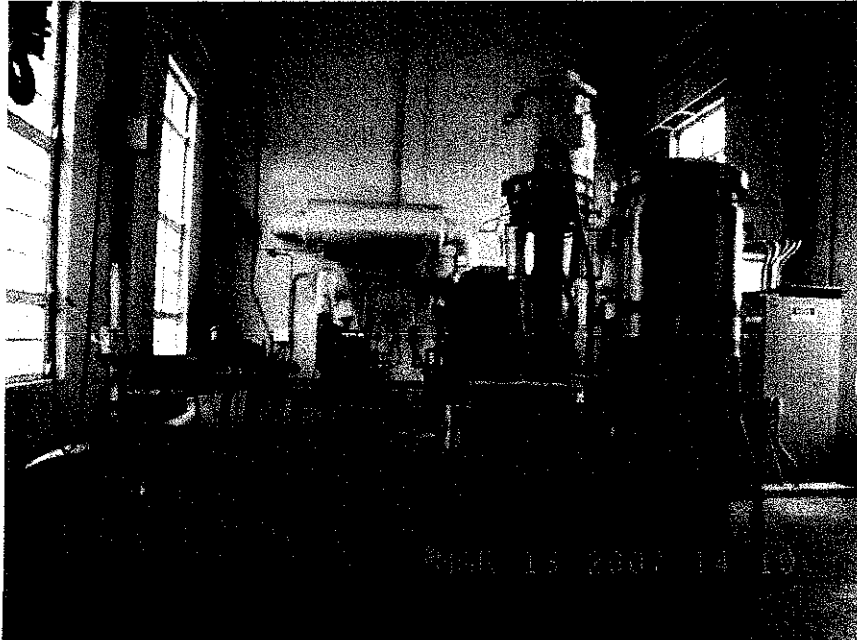


Pumps #11-#13 at Kentucky River Treatment Plant

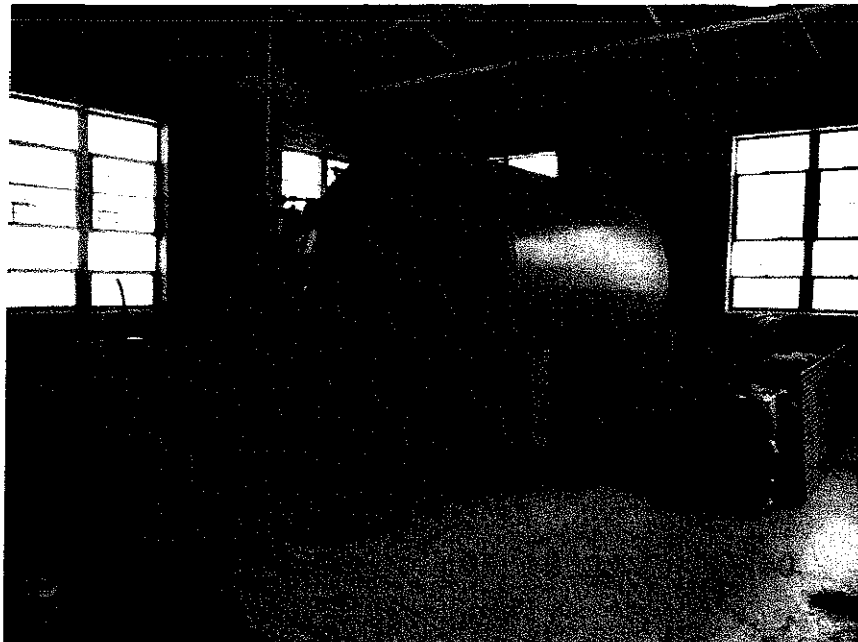
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



High Service Pumps #14 & #15 at Kentucky River Treatment Plant



Small Air Storage Tank by Intake at Kentucky River Treatment Plant

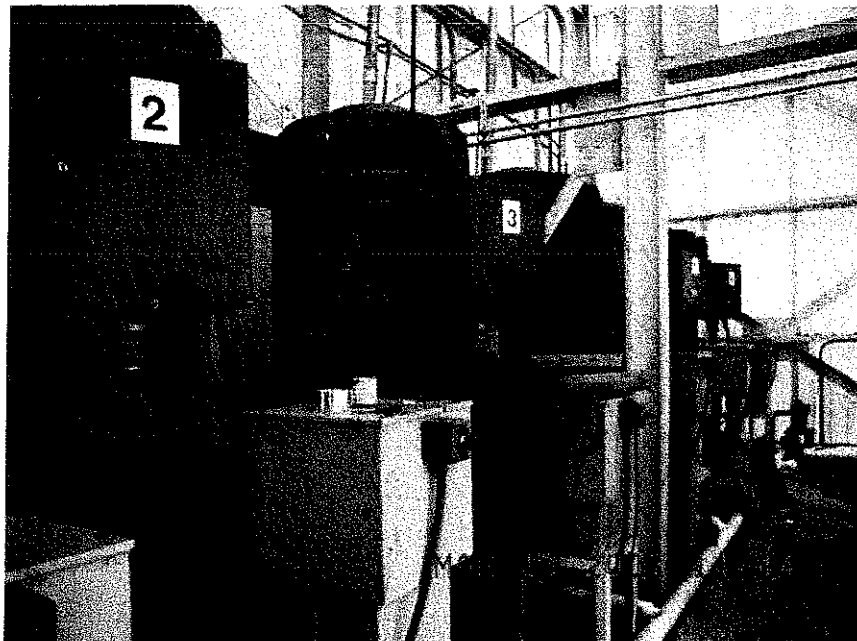
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Air Compressors and Controls at Kentucky River Intake



6 - 1250HP Raw Water Pumps at Kentucky River Intake

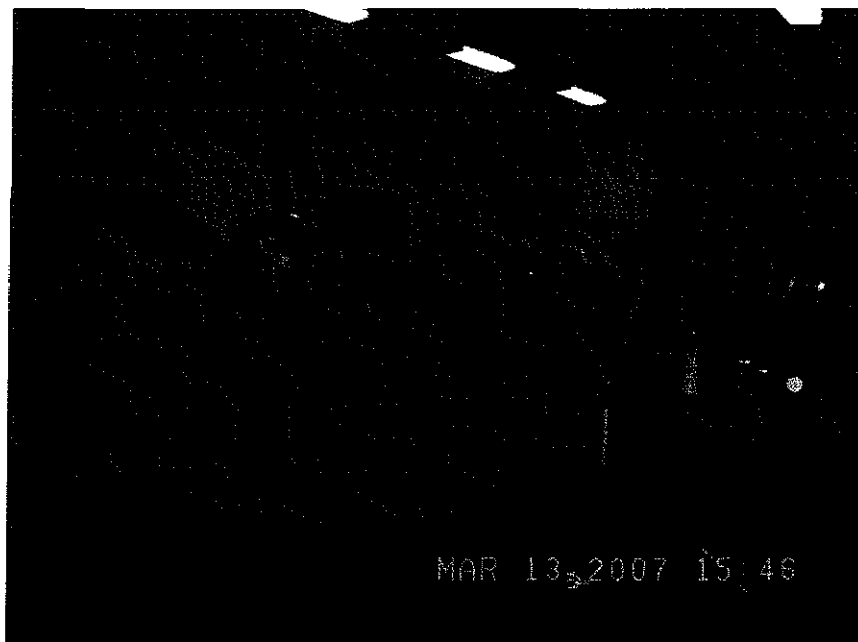
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Low Service Pumps at Kentucky River Treatment Plant



2 - 500HP Pumps at Clays Mills Booster Station

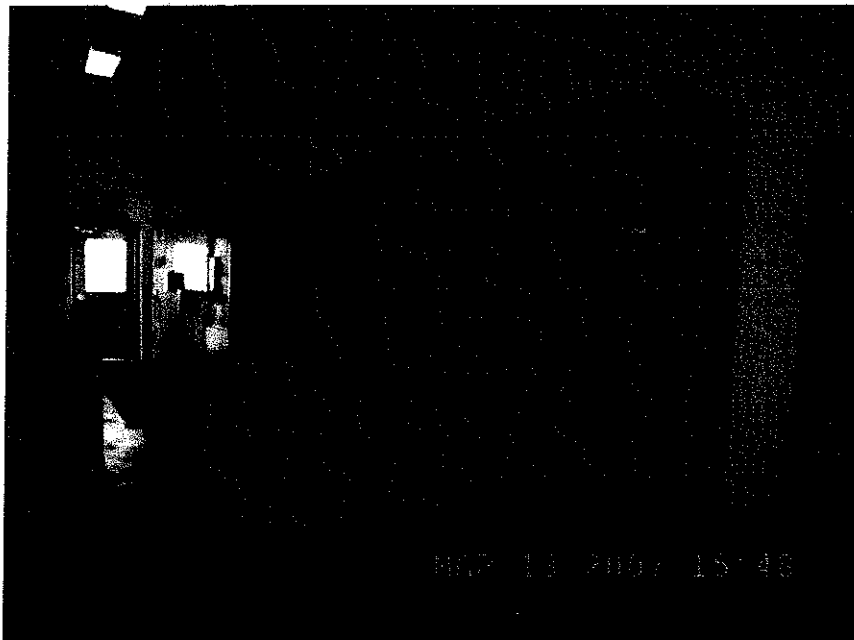
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Altitude Valve at Clays Mill Booster Station

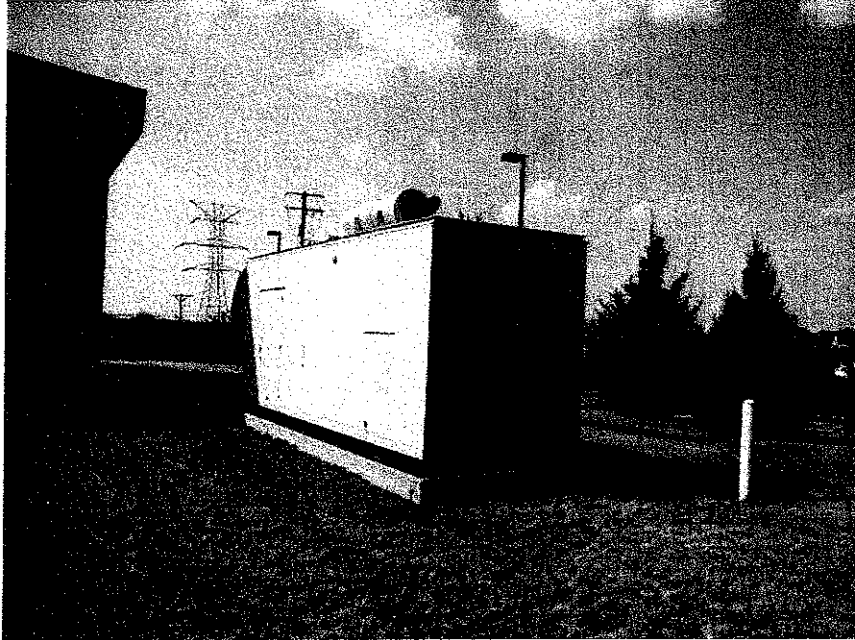


Controls at Clays Mill Booster Station

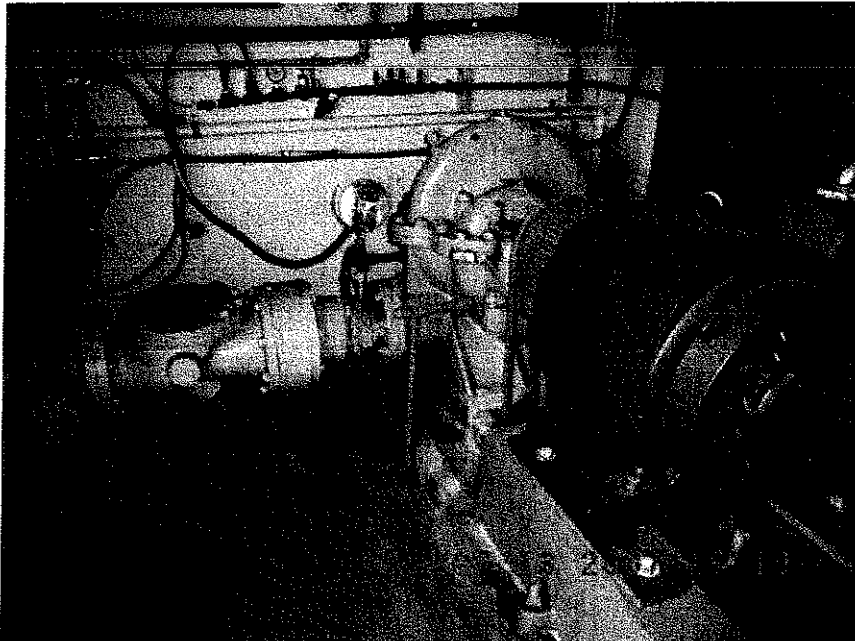
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Diesel Generator at Clays Mill Booster Station



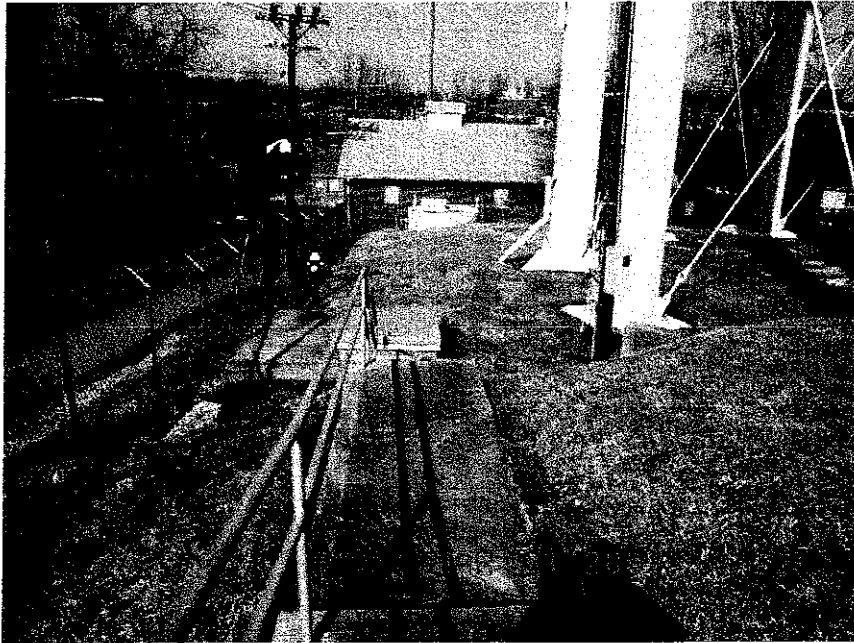
100HP Pump at Cox Street Booster Station



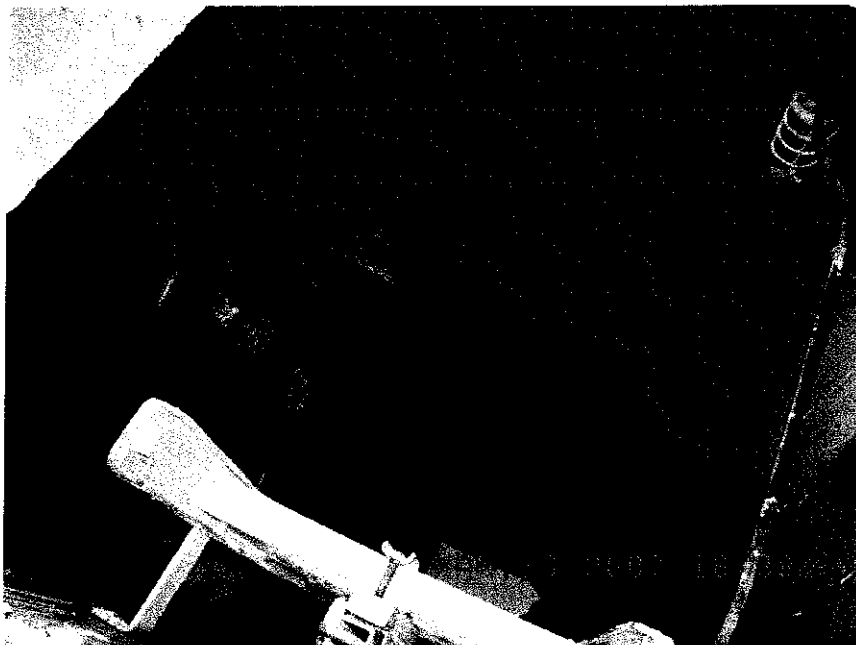
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



Altitude Valve Vault and Booster Pump at Cox Street



Altitude Valve at Mercer Road

KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



75HP Pump at Mercer Road Booster Station



High Service Pump #5 at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



High Service Pumps #17 & #18 t Richmond Road Treatment Plant

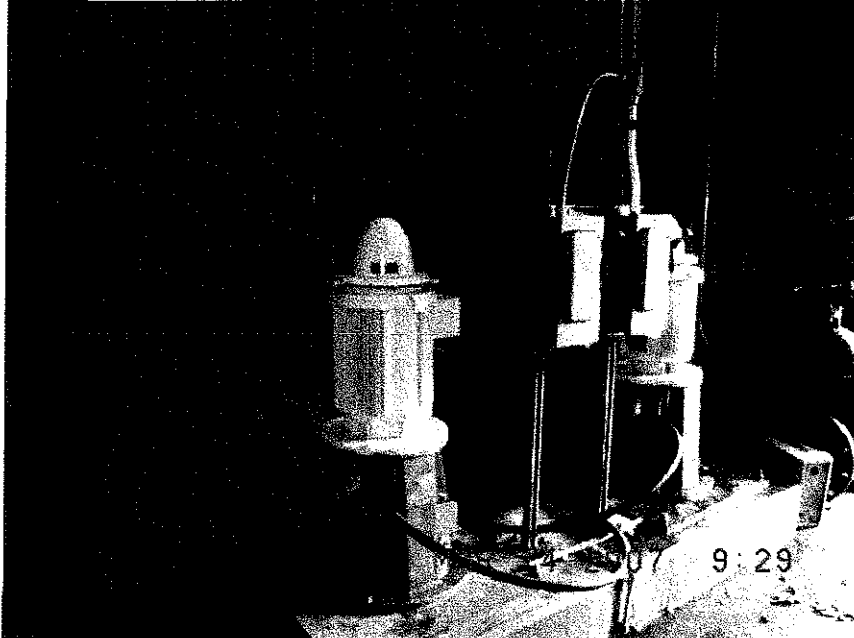


High Service Pump #9 at Richmond Road Treatment Plant

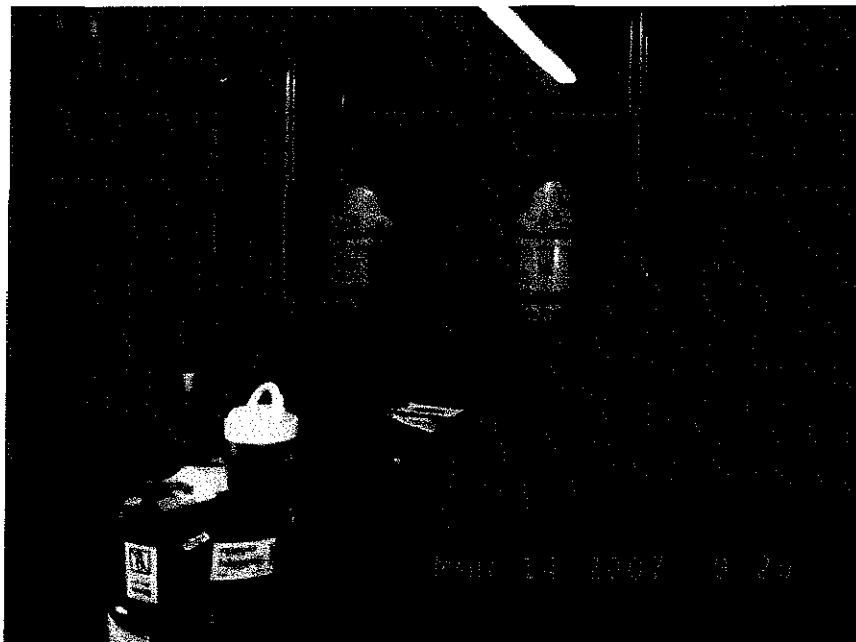
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



2 - 30MP Low Service Pumps at Owenton Treatment Plant

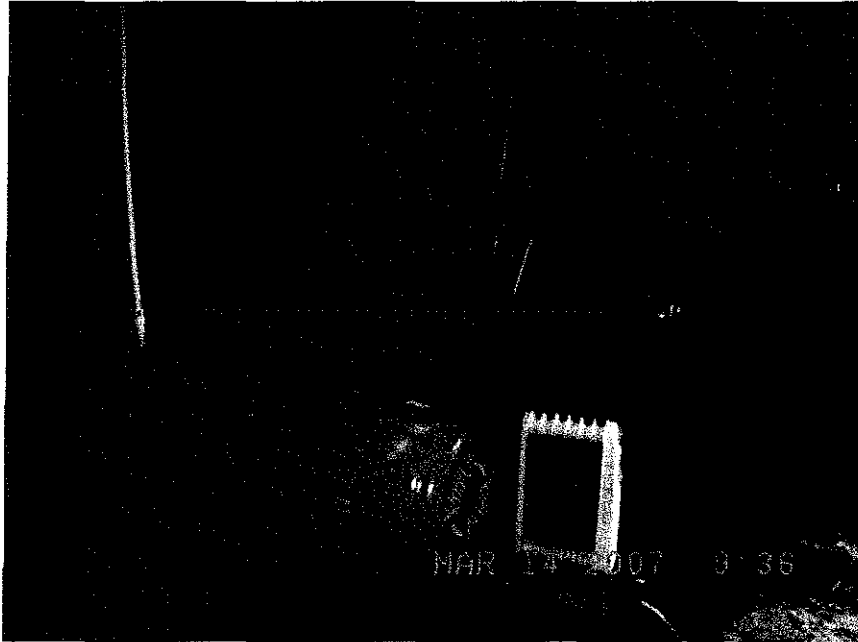


2 - 75HP High Service Pumps at Owenton Treatment Plant

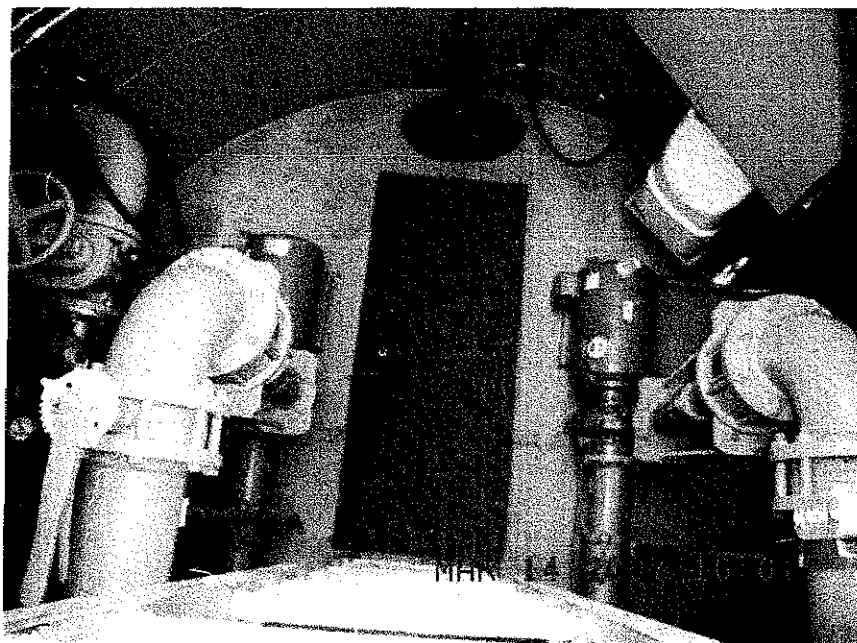
KENTUCKY AMERICAN WATER COMPANY

Account 311.00, Electric Pumping Equip.

March 13 & 14, 2007



2 - 25HP Booster Pumps at Owenton Treatment Plant



Pumps and Piping at North Booster Station #1

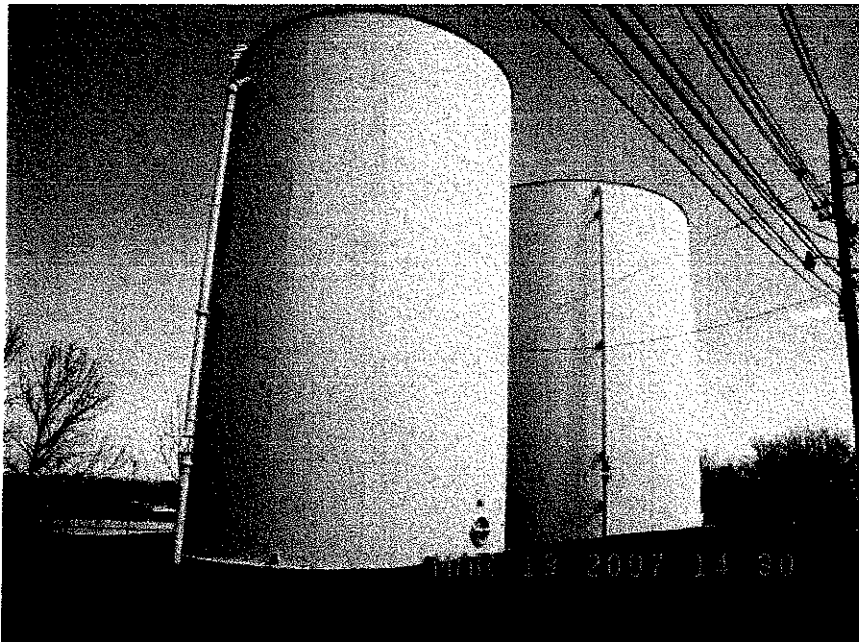
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Wash Water Pumps at Kentucky Power Treatment Plant



Wash Water Tanks at Kentucky River Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Rapid Mix Chamber and Lime Silo at Kentucky River Treatment Plant



Caustic Feed Tanks and Pumps at Kentucky River Treatment Plant

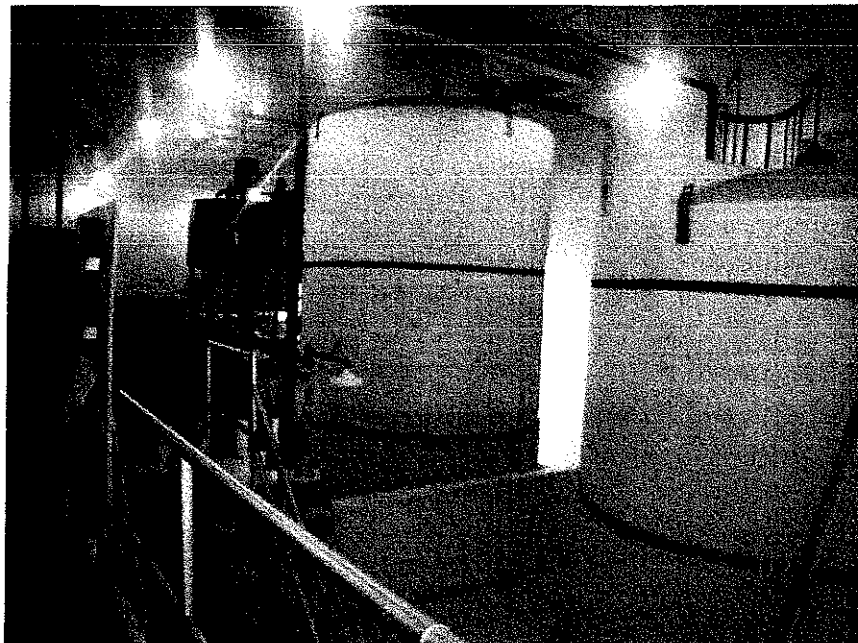
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Fluoride Tanks and Pumps at Kentucky Power Treatment Plant



Polymer Tanks at Kentucky River Treatment Plant



KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Ferric Chloride Pumps and Tanks at Kentucky River Treatment Plant



2MG Clearwell at Kentucky River Treatment Plant

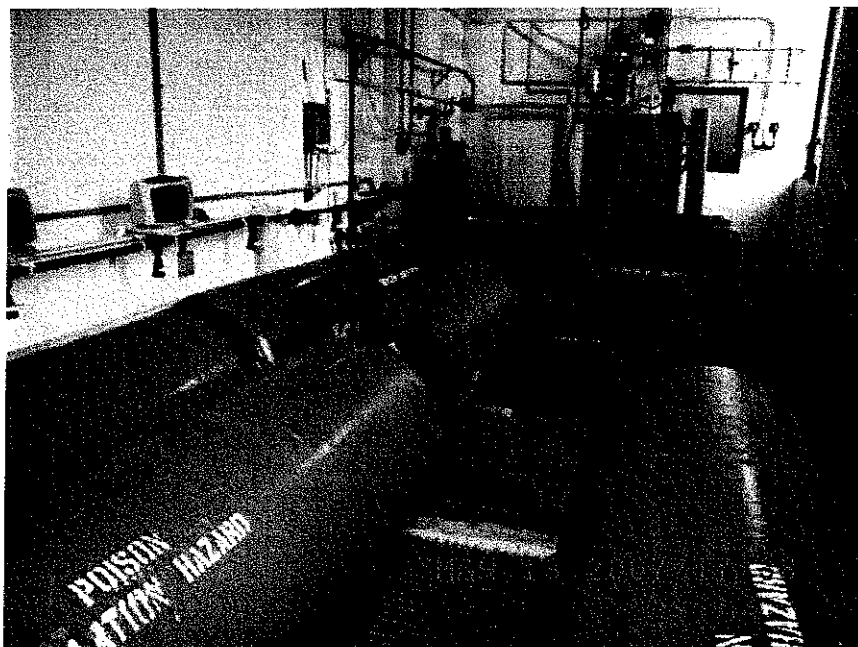
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Caustic Soda Tanks & Pumps at Richmond Road Treatment Plant



Chlorine Tanks and Pumps at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Filter Controls (8) at Richmond Road Treatment Plant

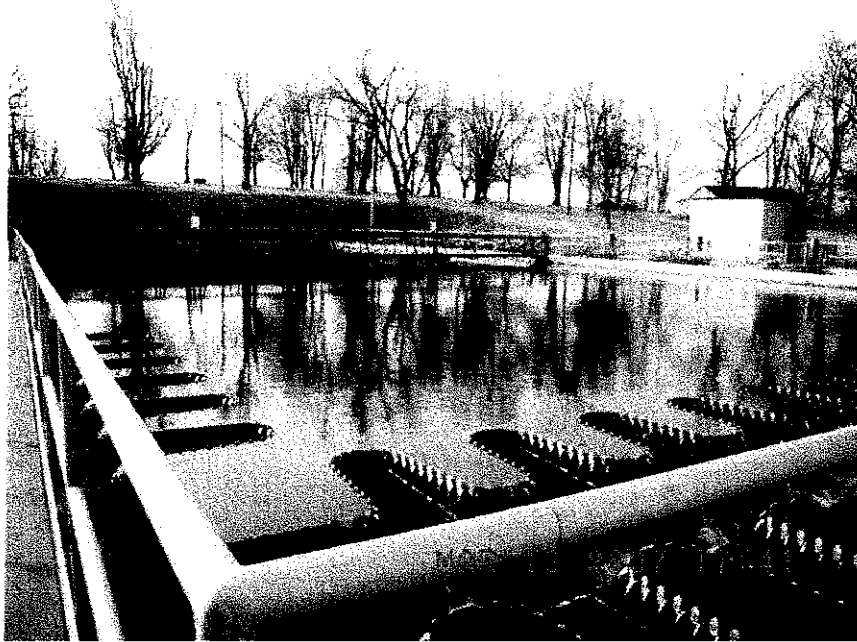


Currently being Upgraded Sedimentation Basin #1 at Richmond Road Treatment Plant

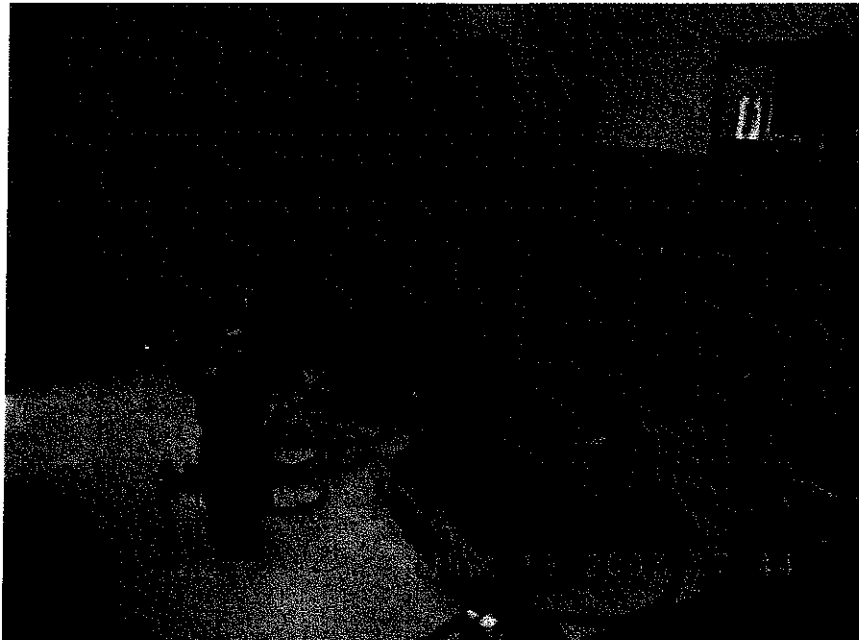
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Sedimentation Basin #2 at Richmond Road Treatment Plant

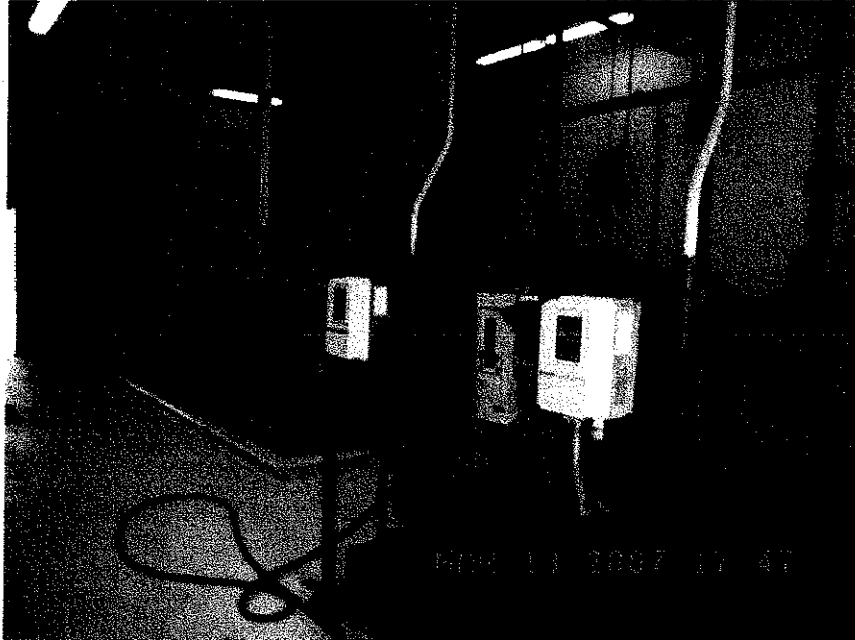


4 Sludge Pumps and Controls at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Filter Press and Pumps at Richmond Road Treatment Plant

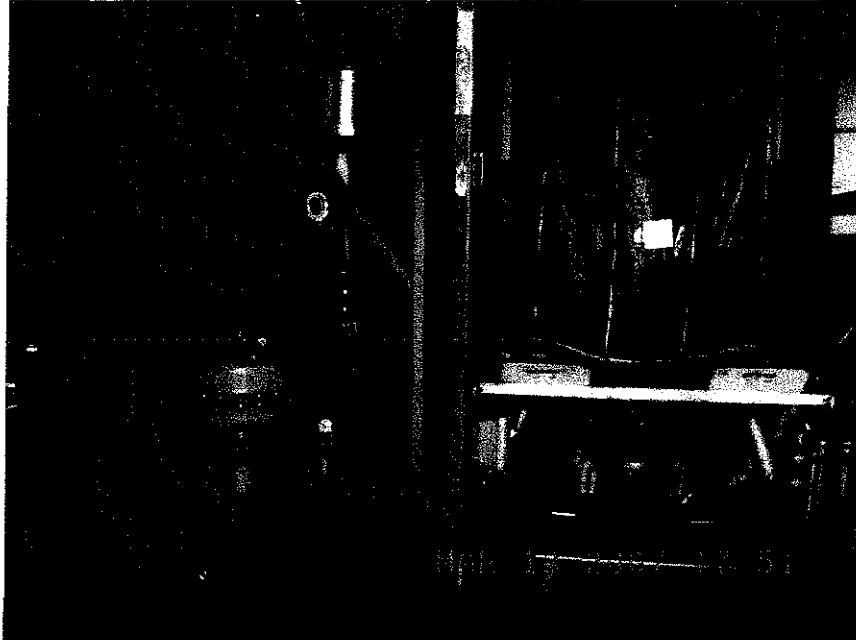


Wash Water Basins at Richmond Road Treatment Plant

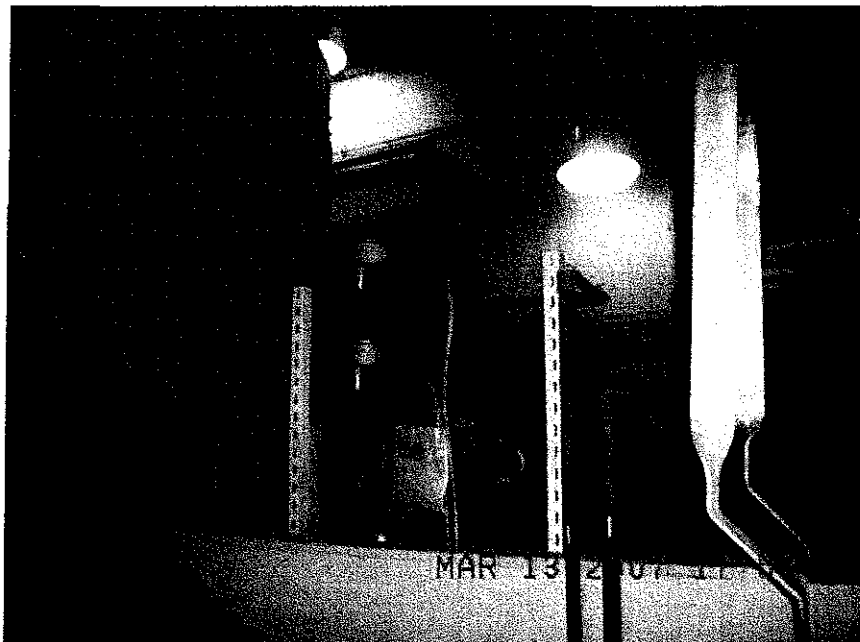
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Carbon Feed Equipment at Richmond Road Treatment Plant

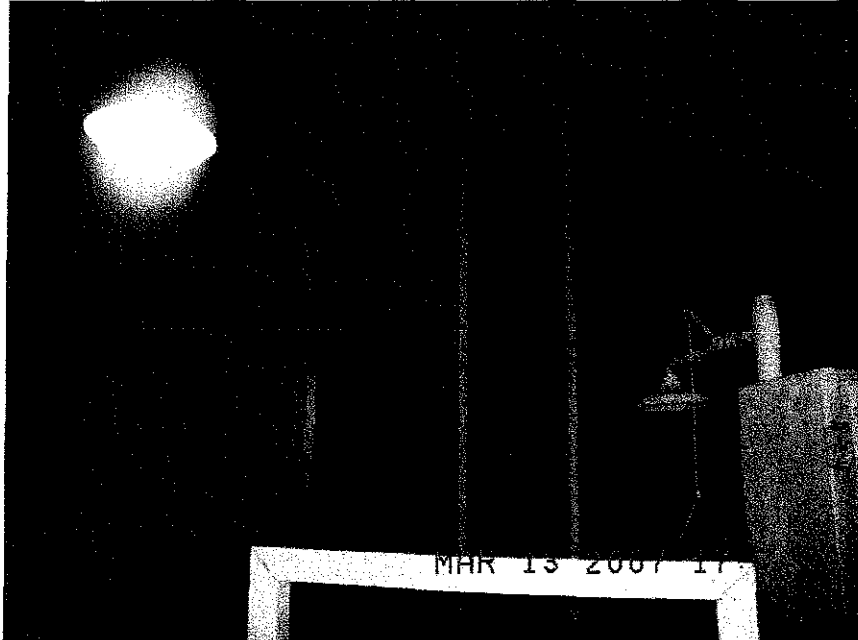


Polymer Tank and Equipment at Richmond Road Treatment Plant

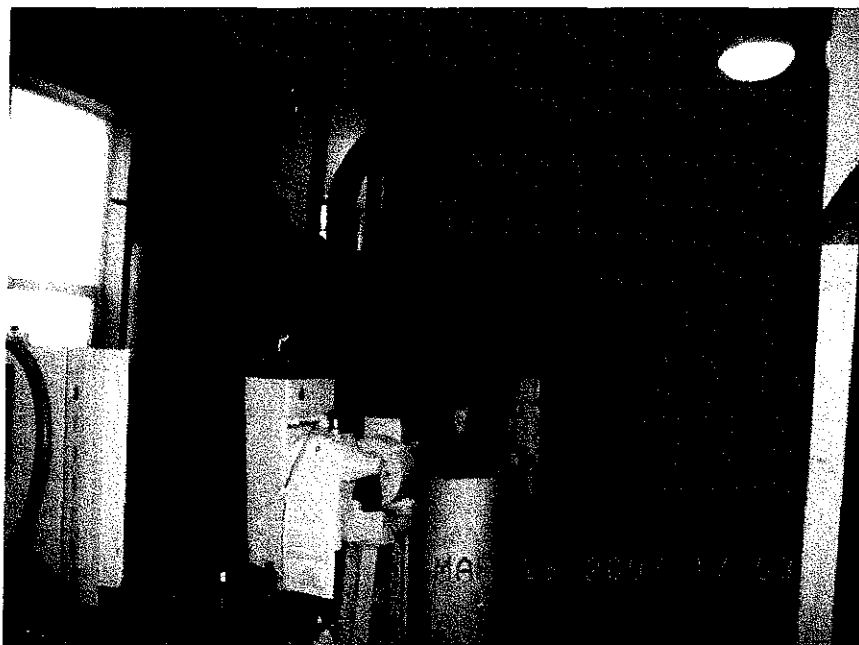
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Alum Tank and Equipment at Richmond Road Treatment Plant

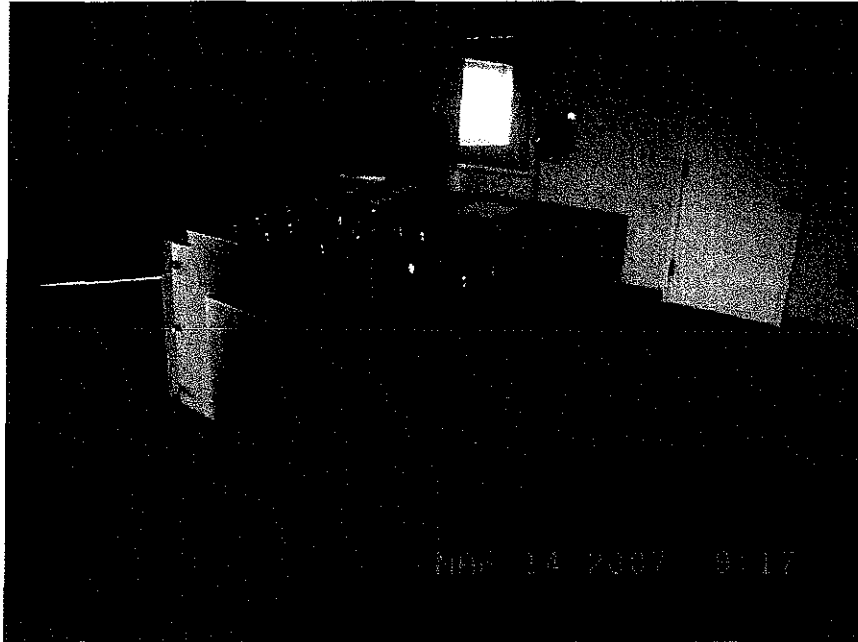


Fluoride Tank and Equipment at Richmond Road Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Controls at Owenton Treatment Plant



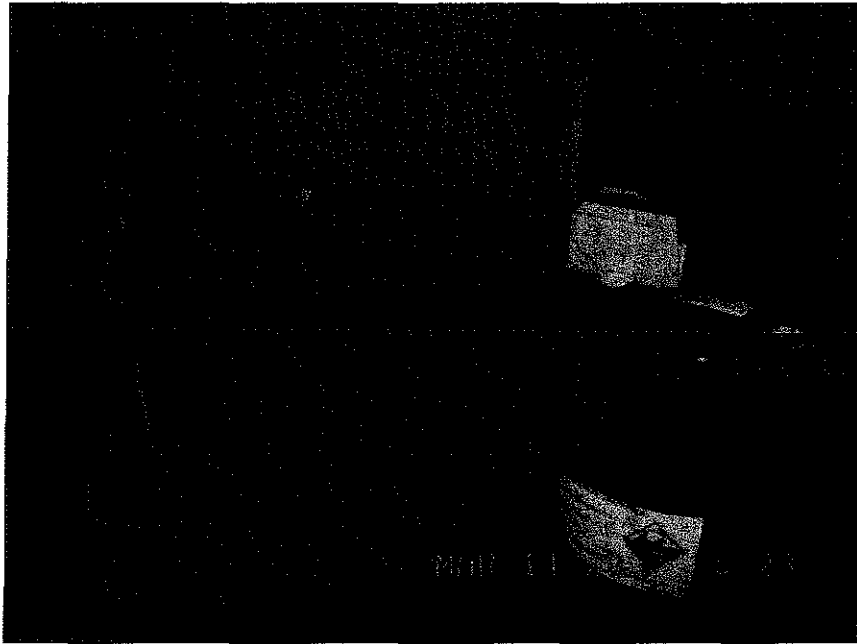
Claircone at Owenton Treatment Plant



KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Fluoride Feed at Owenton Treatment Plant

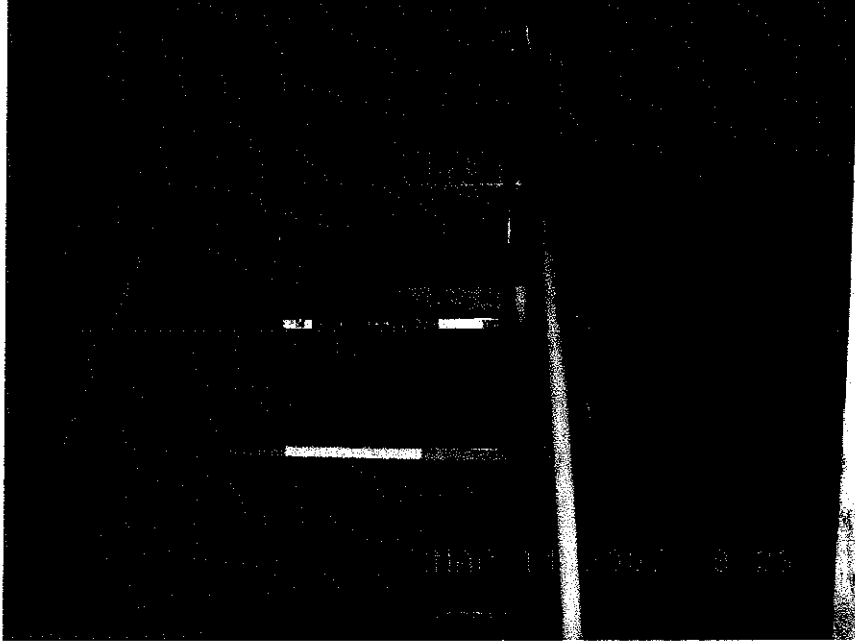


Ferric Chloride Equipment at Owenton Treatment Plant

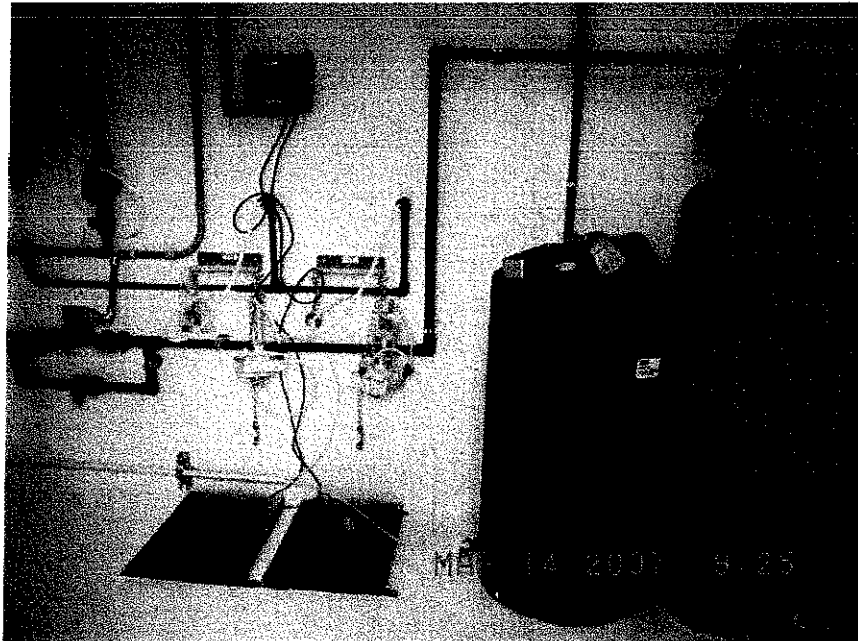
KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Carbon Feed at Owenton Treatment Plant

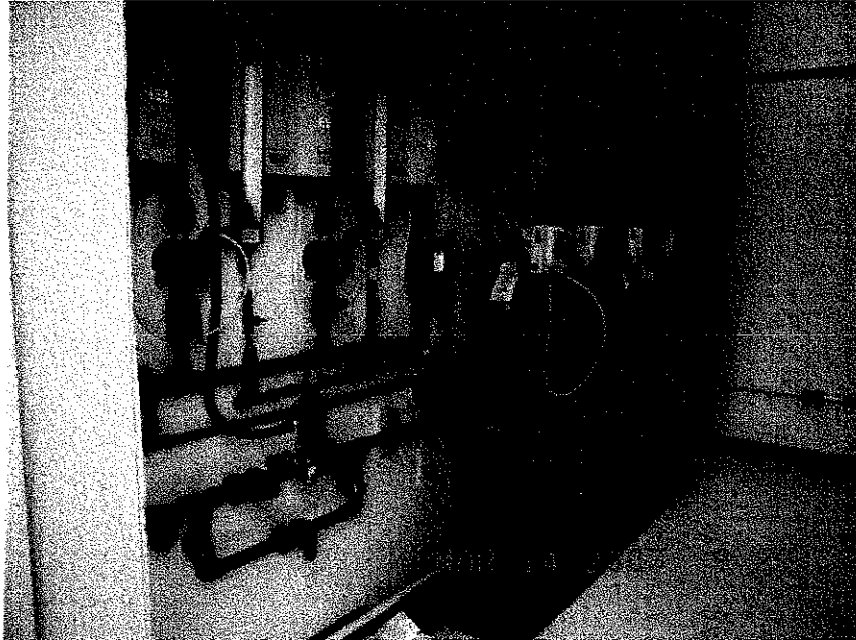


Ammonia Feed at Owenton Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Chlorine Feed and Tanks at Owenton Treatment Plant

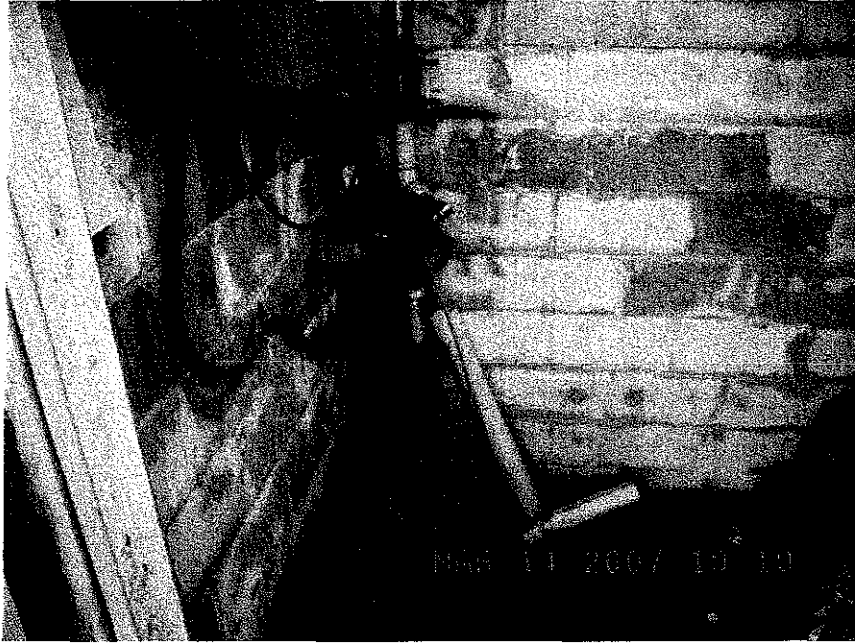


Backwash and Effluent Piping at Owenton Treatment Plant

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Chlorine Equipment at Chlorine Loading Station

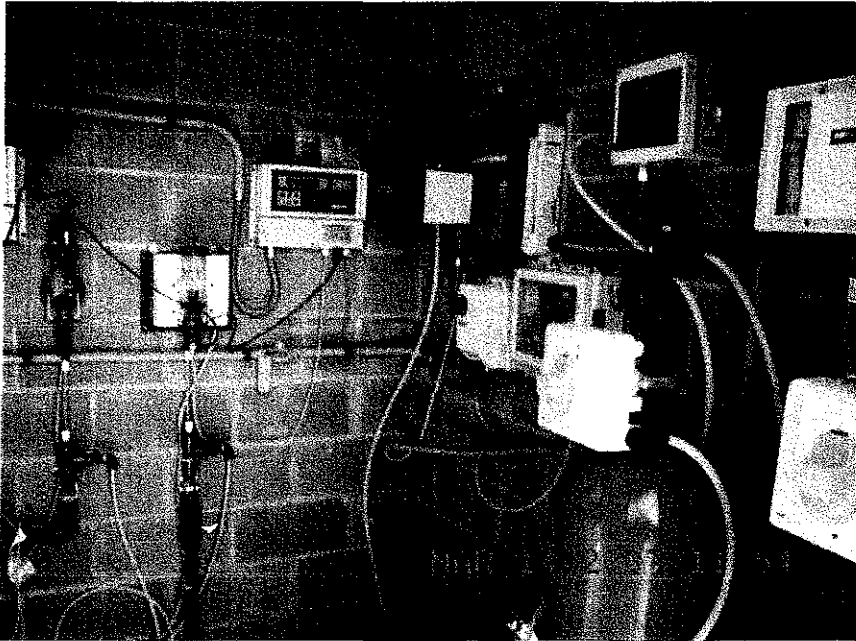


Chlorine Pumps and Tanks at Chlorine Booster Station

KENTUCKY AMERICAN WATER COMPANY

Account 320.00, Purification System Equip.

March 13 & 14, 2007



Chlorine Pumps and Equipment at Rockdale Chlorine Booster Station

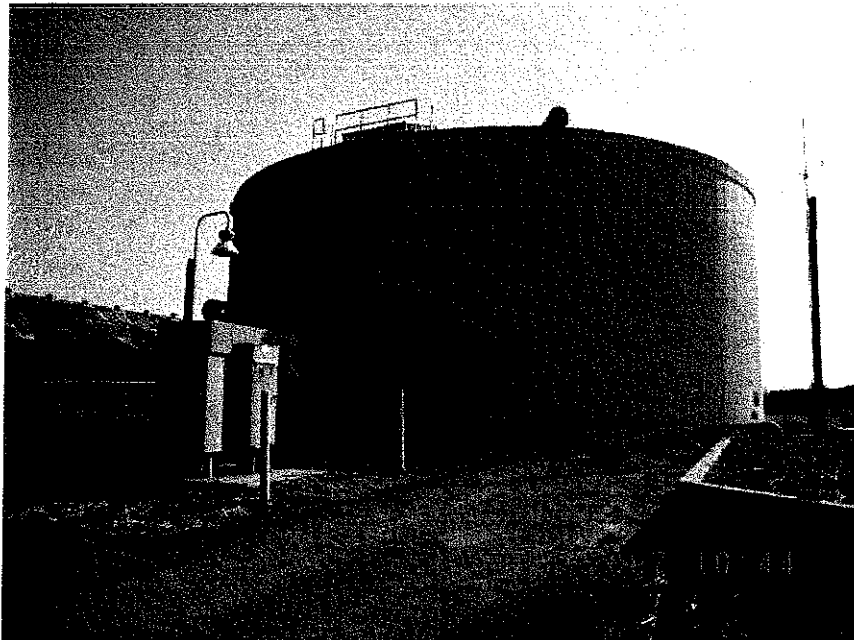
KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



2MG Eastwood Standpipe



1MG Standpipe and Generator at Russell Cave

KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



200,000 Gallon Hall Standpipe

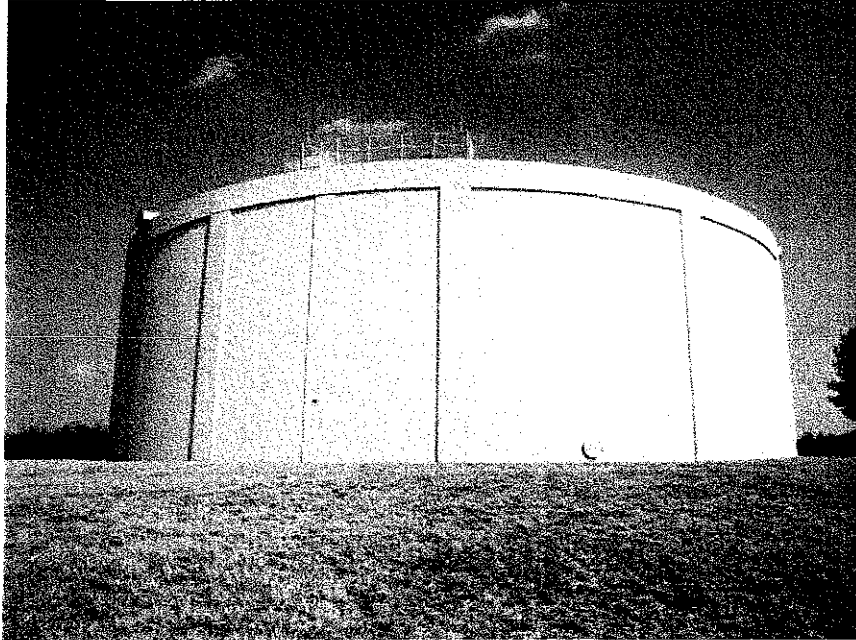


3MG Hume Road Standpipe

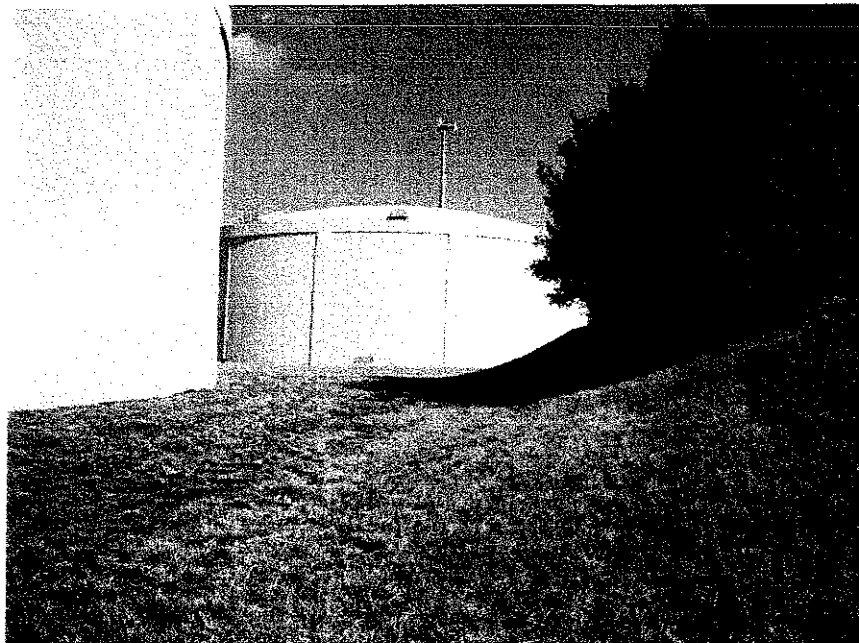
KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



Tank #1 at Clays Mill



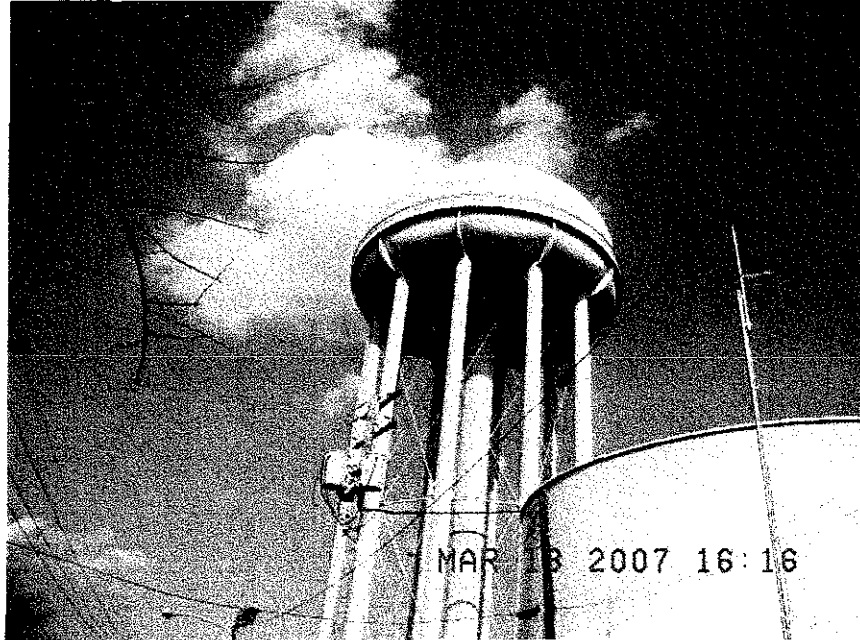
Tank #2 at Clays Mill



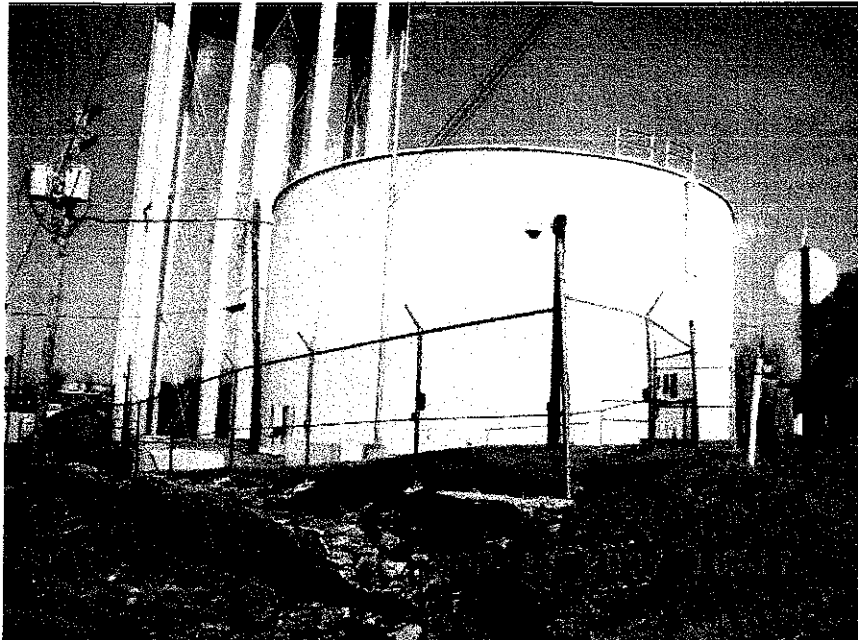
KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



Elevated Tank at Cox Street



Ground Tank at Cox Street

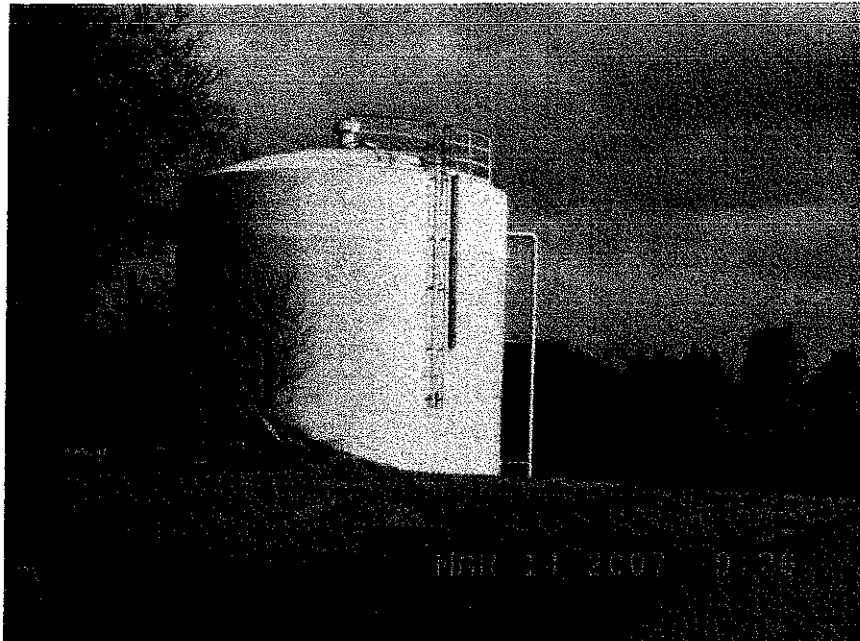
KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



Mercer Road Standpipe



230,000 Gallon Standpipe at Owenton Treatment Plant

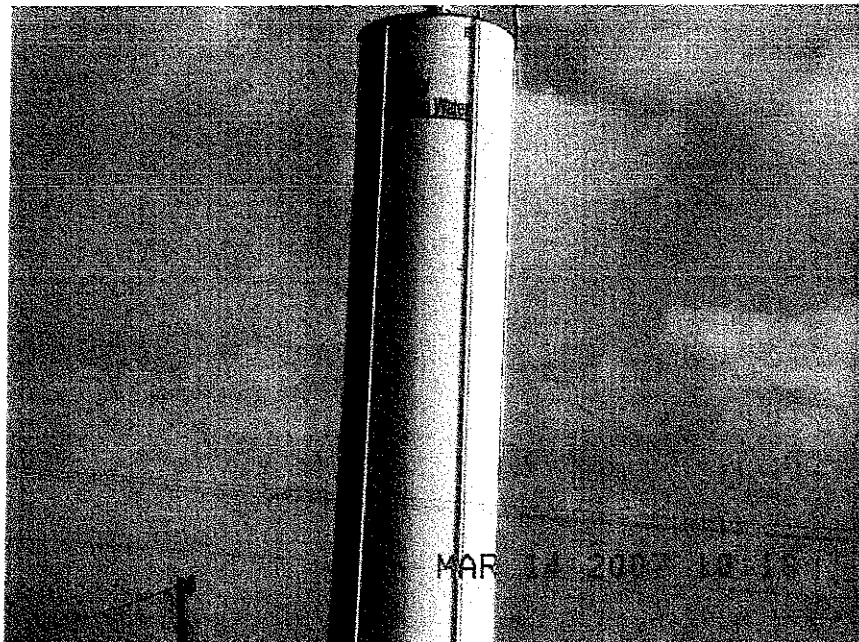
KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



100,000 Gallon Standpipe (Owenton Tank #1)

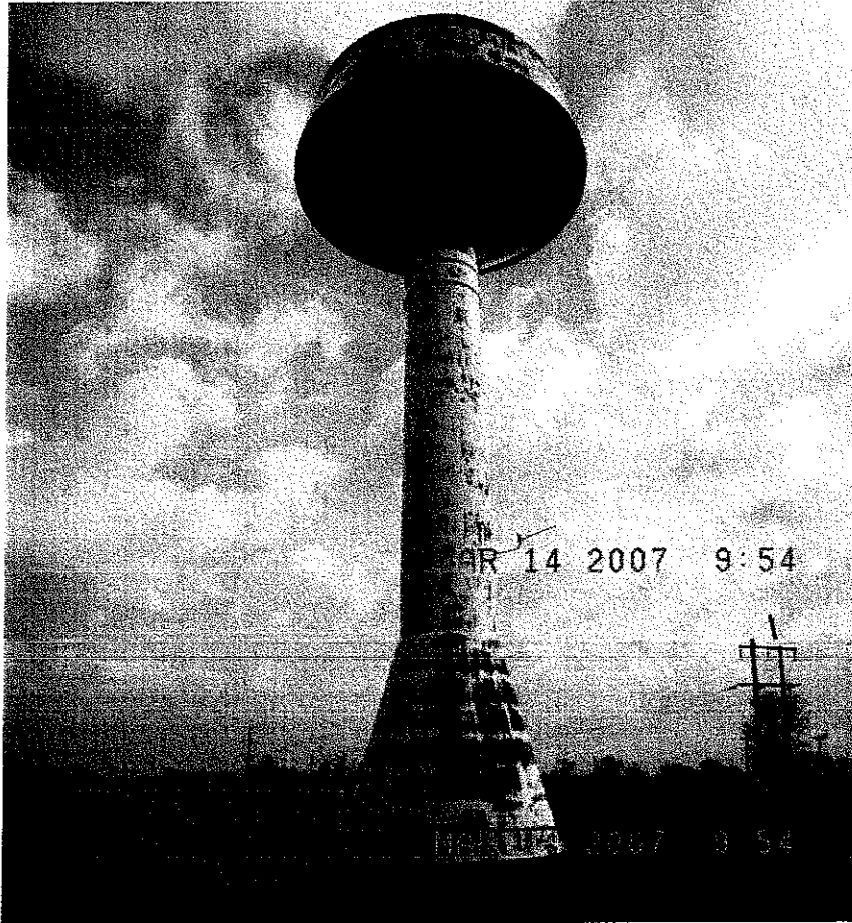


Long Ridge Standpipe (100,000 Gallon)

KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



400,000 G  
Gallon Standpipe (Owenton Tank #2)

KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



50,000 Gallon Sparta Standpipe

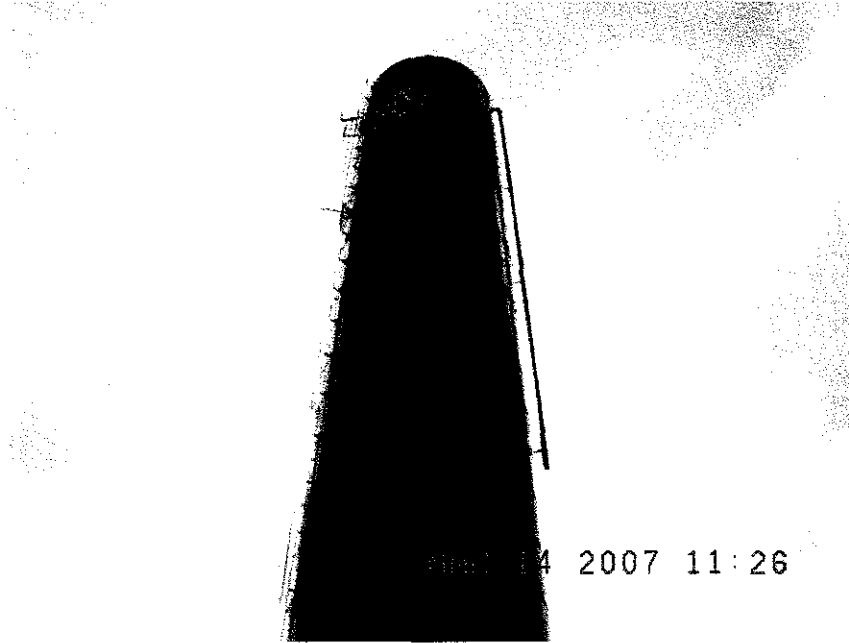


177,000 Gallon Bromley Standpipe

KENTUCKY AMERICAN WATER COMPANY

Account 330.00, Distribution Reservoirs & Standpipes

March 13 & 14, 2007



230,000 Gallon Hesler Standpipe



230,000 Gallon New Columbus Standpipe

KENTUCKY AMERICAN WATER COMPANY

Account 392.00, Transportation Equipment

March 13 & 14, 2007



Heavy Trucks at Richmond Road Headquarters

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 149 of 312**

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**Witness: John J. Spanos**

149. On page 6, of Mr. Spanos's testimony, he indicates that he calculated whole-life depreciation rates. However, on page I-3 of his study he indicates the rates are remaining life rates. The table on pages III-4 through 5 of the Study appears to show remaining life rates.
- a. Did Mr. Spanos or the Company originally intend to submit whole-life rates? If yes, please explain the switch to remaining life rates.
  - b. How are the depreciation rates currently in use calculated?
  - c. If Mr. Spanos has calculated whole-life rates, please provide them in electronic format (Excel), with all formulae intact.

**Response:**

- a. Neither Mr. Spanos nor the Company originally intended to submit whole-life rates.
- b. The depreciation rates currently in use and those of the prior study were based on the remaining life method.
- c. Mr. Spanos has not calculated whole-life rates.

For electronic version, refer to KAW\_R\_AGDR1#149\_061807.pdf



**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 150 of 312**

---

**Witness: John J. Spanos**

150. On page 6 of his testimony, Mr. Spanos states, "I calculated the amount required to amortize the variance between the book depreciation reserve and the calculated accrued depreciation."
- a. Please provide that calculation in electronic (Excel) format with all formulae intact.
  - b. Based on Mr. Spanos's calculations, does KAWC have a reserve excess or deficiency?
  - c. Is Mr. Spanos proposing an amortization of the reserve imbalance? If yes, explain where that is shown in his study and also in the Company's revenue requirement filing.

**Response:**

- a. The comparison of the calculated accrued depreciation and the book reserve is part of the detailed depreciation calculations set forth on pages III-103 through III-161 of the depreciation study. Please refer to AGDR1#164.
- b. Based on Mr. Spanos' calculations, KAWC has a reserve deficiency.
- c. Since Mr. Spanos is proposing remaining life rates, the reserve imbalance is a component of the remaining life rate. Thus, there is no amortization of the reserve imbalance proposed by Mr. Spanos.

For electronic version, refer to KAW\_R\_AGDR1#150\_061807.pdf

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 151 of 312**

---

**Witness: Michael A. Miller**

151. Provide all internal and external audit reports, management letters, consultants' reports etc. which address in any way, the Company's property accounting and/or depreciation practices.

**Response:**

Please see the internal audit report provided in response to AGDR1, Question 85.

Please see the management letters provided in response to AGDR1, Question 84.

Please see the Annual Reports from PWC in Exhibit 28 of the Company's filing.

For electronic version of this document, refer to KAW\_R\_AGDR1#151\_061807.pdf

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 152 of 312**

---

**Witness: Nick O. Rowe/ Michael A. Miller**

152. Please provide copies of all Board of Director's minutes and internal management meeting minutes in which the subject of the Company's depreciation rates or retirement unit costs were discussed.

**Response:**

No minutes include discussions of these subjects.

For electronic version, refer to KAW\_R\_AGDR1#152\_061807.pdf

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 153 of 312**

---

**Witness: Michael A. Miller**

153. Provide copies of all internal correspondence which deals in any way with the Company's retirement unit costs, depreciation rates, and/or the Depreciation Study.

**Response:**

See the information supplied in responses to AGDR1#154, AGDR1#192, and AGDR1#197.

For electronic version see KAW\_R\_AGDR1#153\_061807.pdf

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2007-00143**  
**ATTORNEY GENERAL'S REQUEST FOR INFORMATION**  
**Item 154 of 312**

---

**Witness: John J. Spanos**

154. Provide copies of all external correspondence, including correspondence with Mr. Spanos and Gannett Fleming, Inc., which deals in any way with the Company's retirement unit costs, depreciation rates, and/or the Depreciation Study.

**Response:**

The attached pages set forth external correspondence between Mr. Spanos and KAWC that deals with retirement unit costs, depreciation rates and/or the Depreciation Study.

For electronic version, refer to KAW\_R\_AGDR1#154\_061807.pdf

**Maxwell, Christopher M.**

---

**From:** Spanos, John J.  
**ent:** Monday, March 26, 2007 3:26 PM  
**ro:** Maxwell, Christopher M.  
**Subject:** FW: Rate Case - Trial Balances for Depreciation Study

**Attachments:** Depr Study - Trial Bal 2000-2006.pdf



Depr Study -  
rial Bal 2000-20.

Kentucky American plant statements.

-----Original Message-----

From: Sheila.Miller@amwater.com [mailto:Sheila.Miller@amwater.com]  
Sent: Monday, March 26, 2007 2:58 PM  
To: Spanos, John J.  
Subject: Fw: Rate Case - Trial Balances for Depreciation Study

I didn't know if you needed these trial balances for your depreciation study or not or if you had already received something from Shared Services. These go back to 2002, as far back as Bryan could run them from the current financial system.

Sheila Miller  
Asst Manager Rates & Regulation  
American Water Works Service Company  
Southeast Region  
PO Box 1906  
Charleston, WV 25327-1906  
phone: (304)353-6317  
fax: (304)353-6332  
Sheila.Miller@amwater.com

----- Forwarded by Sheila Miller/WVAWC/AWWSC on 03/26/2007 02:54 PM -----

----->  
|  
| Bryan Siler  
|  
| 03/19/2007 04:50  
| PM  
|  
|----->

>-----<  
-----<  
|  
|  
| To: Sheila Miller/WVAWC/AWWSC@AWW  
|  
| cc:  
|  
| Subject: Re: Rate Case - Trial Balances for Depreciation Study (Document link:  
Sheila Miller)  
|  
>-----<

Meant to send these this morning... If anything else is need let me know...

(See attached file: Depr Study - Trial Bal 2000-2006.pdf)

**Maxwell, Christopher M.**

---

**From:** Spanos, John J.  
**Sent:** Tuesday, March 06, 2007 2:11 PM  
**To:** Maxwell, Christopher M.  
**Subject:** FW: 1998 - 2000 Retirements by Account Number

**Attachments:** KY 2000-1998 Retirement detail By Acct.xls



KY 2000-1998  
retirement detail.

Here are the retirements you requested.

---

From: bdantoni@amwater.com [mailto:bdantoni@amwater.com]  
Sent: Tuesday, March 06, 2007 1:03 PM  
To: Spanos, John J.  
Subject: 1998 - 2000 Retirements by Account Number

John,

Attached is the file containing retirements by account number. I will try to send the files separately & hope they will be received.

Basil

---

Basil D'Antonio  
Rates Team Lead  
Shared Service Center  
131 Woodcrest Rd.  
Cherry Hill, NJ 08003  
(856) 310-5741 Phone  
bdantoni@amwater.com

**Maxwell, Christopher M.**

---

**From:** Spanos, John J.  
**Sent:** Tuesday, March 06, 2007 2:12 PM  
**To:** Maxwell, Christopher M.  
**Subject:** FW: Cost of Removal 1998 thru 2000 by Account No.

**Attachments:** Cost of Removal & Salvage By Acct - Yr 98 Thru 00. .xls



Cost of Removal  
& Salvage By A...

Another file

---

From: bdantoni@amwater.com [mailto:bdantoni@amwater.com]  
Sent: Tuesday, March 06, 2007 1:09 PM  
To: Spanos, John J.  
Subject: Cost of Removal 1998 thru 2000 by Account No.

---

Basil D'Antonio  
Rates Team Lead  
Shared Service Center  
131 Woodcrest Rd.  
Cherry Hill, NJ 08003  
(856) 310-5741 Phone  
bdantoni@amwater.com



**Maxwell, Christopher M.**

---

**From:** Spanos, John J.  
**ent:** Tuesday, March 06, 2007 2:12 PM  
**o:** Maxwell, Christopher M.  
**Subject:** FW: Cost of Removal 2001 Thru 2006 by Account No.  
**Attachments:** Cost of Removal & Salvage By Acct - Yr 01 Thru 06. .xls



Cost of Removal  
& Salvage By A...

Last one

---

**From:** bdantoni@amwater.com [mailto:bdantoni@amwater.com]  
**Sent:** Tuesday, March 06, 2007 1:08 PM  
**To:** Spanos, John J.  
**Subject:** Cost of Removal 2001 Thru 2006 by Account No.

---

Basil D'Antonio  
Rates Team Lead  
Shared Service Center  
131 Woodcrest Rd.  
Cherry Hill, NJ 08003  
(856) 310-5741 Phone  
bdantoni@amwater.com

**Spanos, John J.**

**From:** jbozman@amwater.com  
**Date:** Wednesday, February 28, 2007 4:19 PM  
**To:** Spanos, John J.  
**Cc:** bdantoni@amwater.com  
**Subject:** KY American Depr Study#1  
**Attachments:** KY Depr Study Q's.pdf; KY 2006-1994 balances.xls; KY 2006-2001 Retirement detail.xls; KY 2000-1998 Retirement detail.xls

John,

Here are some excel files. I will NOT send the Access Database. The same info is in the excel files.

The plant balances are on one file broken up into two tabs.....only because I had to do work in historical to get the older data. The activity for the years tie for the current 2000 to 2006 years. The retirement activity with vintage year for the reserve ties 2001-2006. Information prior to 2000 is tough. The JDE accounting program came into existence about then. I do have a RECON file that was compiled for the current switch to the fixed asset power plant program. I did alittle work in it. It does have some asset numbers. Maybe we can use that in conjunction with the retirement activity excel file. ....that has asset numbers also. I will be out of town next week....but call with any questions.....our department will be available to help. You can call Basil (copied e-mail) Rod N, Dave Weber. Just use the Toll free number below to connect.

**Jim**

---

American Water - Shared Services Center  
131 Woodcrest Road  
Cherry Hill, NJ 08003-3620  
*Toll free* 1-866-777-8426  
*Direct* 856-310-5721  
*Fax* 856-672-2878  
jbozman@amwater.com

Linda  
Bridwell/KAWC/AWWSC  
06/11/2007 01:45 PM

To Sheila Miller/WVAWC/AWWSC@AWW  
cc  
bcc  
Subject AG #154

KAW\_R\_AGDR1154061807  
Page 7 of 20

Sheila

All of the e-mails were included in the correspondence back and forth so I just sent the two.

Linda

Linda Bridwell, PE  
Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

----- Forwarded by Linda Bridwell/KAWC/AWWSC on 06/11/2007 01:47 PM -----



"Spanos, John J."  
<jspanos@GFNET.com>  
03/05/2007 08:32 AM

To <bridwell@kawc.com>  
cc

Subject RE: Ky depreciation study

Linda:

I will not be ready this week as the data did not come to us in a fashion we can use so I am unable to get prepared in time. I would still prefer to get the trip completed the week of the 12th if you think it will work but I understand if it is too difficult with the other job requirements. The following week just cuts me a little short on the back end.

I will need some help determining how long it will take to complete the field review and meetings.

I would like to see the above ground structures such as pumping stations, treatment plants and standpipes. I expect about 45-60 minutes at a treatment plant, 15-30 minutes at a pump stations and 10 minutes at a standpipe.

I would also like about 2 hours to talk to engineering or operations personnel about the underground assets such as mains, services and hydrants.

Finally, I would like a recommendation of a hotel to stay at if there is a convenient place.

Thanks

John

-----Original Message-----

From: bridwell@kawc.com [mailto:bridwell@kawc.com]  
Sent: Friday, March 02, 2007 4:37 PM  
To: Spanos, John J.  
Subject: RE: Ky depreciation study

I have the 8th and 9th open right now, or the 20th is open. Early the week of the 19th would probably be better, but I don't want to crunch you.

Linda Bridwell, PE

Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

KAW\_R\_AGDR1154061807  
Page 8 of 20

"Spanos, John J."  
<jspanos@GFNET.co To:  
<bridwell@kawc.com> m> cc:  
<Sheila.Miller@amwater.com> Subject: RE: Ky  
depreciation study  
03/02/2007 07:52  
AM

Linda:

I can try to do it late next week or early the week of the 19th if that is better.

John

-----Original Message-----

From: bridwell@kawc.com [mailto:bridwell@kawc.com]  
Sent: Thursday, March 01, 2007 5:58 PM  
To: Spanos, John J.  
Cc: Sheila.Miller@amwater.com  
Subject: RE: Ky depreciation study

John,  
Please let me know what you will be needing as part of the field trip, and potential dates. I will probably get one of our engineers to help in that effort as we have a 90% design review on our new treatment plant that week as well. But we'll make it all work.  
Linda

Linda Bridwell, PE  
Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

"Spanos, John J."  
<jspanos@GFNET.co To:  
<Sheila.Miller@amwater.com> m> cc:  
<bridwell@kawc.com> Subject: RE: Ky

PM

Thank you for the update. I have been in contact with Jim Bozman already and some files have been sent.

Linda; I hope to be ready for a field trip during the week of March 12 but I will be in touch once I see all the files from Jim and hopefully something from Burgess and Niple.

-----Original Message-----

From: Sheila.Miller@amwater.com [mailto:Sheila.Miller@amwater.com]  
Sent: Thursday, March 01, 2007 1:41 PM  
To: Spanos, John J.  
Cc: bridwell@kawc.com  
Subject: RE: Ky depreciation study

Jim Bozman is sending you a CD containing several files with information from our current system. He is mailing it today. Mike talked with someone from Burgess & Niple last night and he is currently looking for information from the last study. Your contact person for the field review would be Linda Bridwell. She can be reached at 859-268-6373.

Sheila Miller  
Senior Financial Analyst  
American Water Works Service Company  
Southeast Region  
PO Box 1906  
Charleston, WV 25327-1906  
phone: (304)353-6317  
fax: (304)353-6332  
Sheila.Miller@amwater.com

```
|----->
|           "Spanos, John J."|
|           <jspanos@GFNET.co|
|           m>                |
|           03/01/2007 09:46 |
|           AM                 |
|----->
```

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>-----|
|
|   To:      <Sheila.Miller@amwater.com>
|
|   cc:
|
|   Subject: RE: Ky depreciation study
|
>-----|
```

Sheila:

I have received the first set of data from Jim Bozman for the depreciation study. If I could get the 1994 information from the Burgess and Niple study that will allow me to proceed in the study, as time is getting short. I will also need a contact person to set up a field review of the above ground facilities.

Thanks

John

-----Original Message-----

From: Sheila.Miller@amwater.com [mailto:Sheila.Miller@amwater.com]  
Sent: Wednesday, February 21, 2007 10:35 AM  
To: trabar@amwater.com; Spanos, John J.  
Subject: Ky depreciation study

I spoke with Mike and he said that we would need to have results of the study by the end of the first week of April in order to get it in our case.  
Is that possible??

Sheila Miller  
Senior Financial Analyst  
American Water Works Service Company  
Southeast Region  
PO Box 1906  
Charleston, WV 25327-1906  
phone: (304)353-6317  
fax: (304)353-6332  
Sheila.Miller@amwater.com

----- Forwarded by Linda Bridwell/KAWC/AWWSC on 06/11/2007 01:47 PM -----



"Spanos, John J."  
<jspanos@GFNET.com> To <bridwell@kawc.com>  
03/11/2007 08:02 PM cc  
Subject RE: Ky depreciation study

Linda:

That sounds like a great plan, however, as of right now I cannot get a flight on Monday evening that works my other commitments that day. I scheduled the earliest flights to Lexington on Tuesday that gets me there at 9:35. I will continue to work the flight schedules tomorrow. I am sorry if this causes a problem but I guess Shannyn and I will fit in whatever we can.

John

-----Original Message-----

From: bridwell@kawc.com [mailto:bridwell@kawc.com]  
Sent: Sunday, March 11, 2007 2:37 PM  
To: Spanos, John J.  
Subject: RE: Ky depreciation study

OK, I think we're set. I'll pick you up at the Sheraton lobby at 8 (or a

few minutes after) on Tuesday morning. We have a few minutes at the office, then you'll be off with Shannyn Walker, our planning engineer for the day of review of central division facilities. There are a number of folks here Tues-Wed for the design review that I think would love to have you join them for dinner if you are interested - including some GF folks.  
Wednesday you're off to the Northern Division, haven't figured out how you're getting there yet but I'll work on that tomorrow.

Linda Bridwell, PE  
Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

"Spanos, John J."  
<jspanos@GFNET.com> To:  
<bridwell@kawc.com> m> cc:  
Subject: RE: Ky  
depreciation study  
03/08/2007 10:27  
AM

Linda:

I have not heard back from you on my last email with respect to a filed visit next week. I would like to do it either Tuesday- Wednesday or Wednesday-Thursday depending on how long you think it will take to tour and talk to the key personnel. I want to make sure I have time to make flight arrangements and hotel plans.

Thanks

John

-----Original Message-----  
From: bridwell@kawc.com [mailto:bridwell@kawc.com]  
Sent: Friday, March 02, 2007 4:37 PM  
To: Spanos, John J.  
Subject: RE: Ky depreciation study

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Linda Bridwell, PE  
Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

"Spanos, John J."  
<jspanos@GFNET.co To:  
<bridwell@kawc.com> m> cc:  
<Sheila.Miller@amwater.com> Subject: RE: Ky  
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Linda:

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From: bridwell@kawc.com [mailto:bridwell@kawc.com]  
Sent: Thursday, March 01, 2007 5:58 PM  
To: Spanos, John J.  
Cc: Sheila.Miller@amwater.com  
Subject: RE: Ky depreciation study

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Linda

Linda Bridwell, PE  
Project Delivery & Developer Services Manager - WV, KY TN  
Southeast Region  
2300 Richmond Road  
Lexington, KY 40502  
Tel: 859-268-6373  
Fax: 859-268-6374

"Spanos, John J."  
<jspanos@GFNET.co To:  
<Sheila.Miller@amwater.com> m> cc:  
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depreciation study  
03/01/2007 01:45  
PM



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Sent: Thursday, March 01, 2007 1:41 PM  
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Subject: RE: Ky depreciation study

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Sheila Miller  
Senior Financial Analyst  
American Water Works Service Company  
Southeast Region  
PO Box 1906  
Charleston, WV 25327-1906  
phone: (304)353-6317  
fax: (304)353-6332  
Sheila.Miller@amwater.com

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|----->
|           |           "Spanos, John J." |
|           |           <jspanos@GFNET.co |
|           |           m>               |
|           |           03/01/2007 09:46 |
|           |           AM               |
|----->
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>-----|
|
|           |           To:           <Sheila.Miller@amwater.com>
|           |
|           |           cc:
|           |
|           |           Subject: RE: Ky depreciation study
|
|----->
|-----|
```

Sheila:

I have received the first set of data from Jim Bozman for the depreciation study. If I could get the 1994 information from the Burgess and Niple study that will allow me to proceed in the study, as time is getting short. I will also need a contact person to set up a field review of the above ground facilities.

Thanks

KAW\_R\_AGDR1154061807

Page 14 of 20

John

-----Original Message-----

From: Sheila.Miller@amwater.com [mailto:Sheila.Miller@amwater.com]

Sent: Wednesday, February 21, 2007 10:35 AM

To: trabar@amwater.com; Spanos, John J.

Subject: Ky depreciation study

I spoke with Mike and he said that we would need to have results of the study by the end of the first week of April in order to get it in our case.

Is that possible??

Sheila Miller

Senior Financial Analyst

American Water Works Service Company

Southeast Region

PO Box 1906

Charleston, WV 25327-1906

phone: (304)353-6317

fax: (304)353-6332

Sheila.Miller@amwater.com



Basil J  
D'Antonio/SHARVCS/AWWS  
C  
06/13/2007 05:12 PM

To Sheila Miller/WVAWC/AWWSC@AWW  
cc  
bcc  
Subject Fw: KY Item 154

Sheila,

Below are all the e-mail between Jim Bozman & John Spanos related to KYAM Depreciation Study

Basil

---

Basil D'Antonio  
Rates Team Lead  
Shared Service Center  
131 Woodcrest Rd.  
Cherry Hill, NJ 08003  
(856) 310-5741 Phone  
bdantoni@amwater.com

----- Forwarded by Basil J D'Antonio/SHARVCS/AWWSC on 06/13/2007 05:12 PM -----



Jim  
Bozman/SHARVCS/AWWS  
C  
06/13/2007 05:07 PM

To Basil J D'Antonio/SHARVCS/AWWSC@AWW  
cc  
Subject KY Item 154

----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARVCS/AWWS  
C  
02/28/2007 03:53 PM

To jspanos@gfnet.com  
cc Basil J D'Antonio/SHARVCS/AWWSC@AWW  
Subject KY American Depr study

John,

I have been working on gathering data for your study. Some files are big. Would you prefer a CD disk. I can send some e-mails with one file each. I have 10 files, one being an Microsoft database file plus some excel files. The access database file may never get through e-mail. You may not need it since the excel files contain pivots of the database.

I do not know your timeframe. Please call me or e-mail back. I need your phone also....we will need to discuss some of the information and files.

*Jim*

---

American Water - Shared Services Center  
131 Woodcrest Road  
Cherry Hill, NJ 08003-3620  
Toll free 1-866-777-8426  
Direct 856-310-5721  
Fax 856-672-2878  
jbozman@amwater.com

----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARVCS/AWWS

To jspanos@gfnet.com



C  
02/28/2007 04:19 PM

cc Basil J D'Antonio/SHARSVCS/AWWSC@AWW  
Subject KY American Depr Study#1

KAW R AGDR1154061807  
Page 16 of 20

John,

Here are some excel files. I will NOT send the Access Database. The same info is in the excel files.

The plant balances are on one file broken up into two tabs.....only because I had to do work in historical to get the older data. The activity for the years tie for the current 2000 to 2006 years. The retirement activity with vintage year for the reserve ties 2001-2006. Information prior to 2000 is tough. The JDE accounting program came into existence about then. I do have a RECON file that was compiled for the current switch to the fixed asset power plant program. I did alittle work in it. It does have some asset numbers. Maybe we can use that in conjunction with the retirement activity excel file. ....that has asset numbers also. I will be out of town next week....but call with any questions.....our department will be available to help. You can call Basil (copied e-mail) Rod N, Dave Weber. Just use the Toll free number below to connect.

[attachment "KY Depr Study Q's.pdf" deleted by Jim Bozman/SHARSVCS/AWWSC]  
[attachment "KY 2006-1994 balances.xls" deleted by Jim Bozman/SHARSVCS/AWWSC]  
[attachment "KY 2006-2001 Retirement detail.xls" deleted by Jim Bozman/SHARSVCS/AWWSC] [attachment "KY 2000-1998 Retirement detail.xls" deleted by Jim Bozman/SHARSVCS/AWWSC]

Jim

American Water - Shared Services Center  
131 Woodcrest Road  
Cherry Hill, NJ 08003-3620  
Toll free 1-866-777-8426  
Direct 856-310-5721  
Fax 856-672-2878  
jbozman@amwater.com

----- Forwarded by Jim Bozman/SHARSVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARSVCS/AWWS  
C  
02/28/2007 04:23 PM

To jspanos@gfnet.com  
cc Basil J D'Antonio/SHARSVCS/AWWSC@AWW  
Subject KY American Depr Study#2

John,

[attachment "KY 2006-2001 Retirement activity.xls" deleted by Jim Bozman/SHARSVCS/AWWSC]  
[attachment "KY 2000-1998 Retirement activity.xls" deleted by Jim Bozman/SHARSVCS/AWWSC]

Jim

American Water - Shared Services Center  
131 Woodcrest Road  
Cherry Hill, NJ 08003-3620  
Toll free 1-866-777-8426  
Direct 856-310-5721  
Fax 856-672-2878  
jbozman@amwater.com



Jim  
Bozman/SHARVCS/AWWS  
C

02/28/2007 04:25 PM

To John Spanos

cc Basil J D'Antonio/SHARVCS/AWWSC@AWW

Subject KY American Depr Study#3

John,

[attachment "KY 2000-1998 Plant&Reserve activity.xls" deleted by Jim Bozman/SHARVCS/AWWSC]

Jim

American Water - Shared Services Center

131 Woodcrest Road

Cherry Hill, NJ 08003-3620

Toll free 1-866-777-8426

Direct 856-310-5721

Fax 856-672-2878

jbozman@amwater.com

----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARVCS/AWWS  
C

02/28/2007 04:27 PM

To John Spanos

cc Basil J D'Antonio/SHARVCS/AWWSC@AWW

Subject KY American Depr Study#4

John,

[attachment "KY 2006-2001 Plant&Reserve activity.xls" deleted by Jim Bozman/SHARVCS/AWWSC]

Jim

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Jim  
Bozman/SHARVCS/AWWS  
C

02/28/2007 04:30 PM

To John Spanos

cc Basil J D'Antonio/SHARVCS/AWWSC@AWW

Subject KY American Depr Study#5

John,

[attachment "KY CPR Recon 02212007.xls" deleted by Jim Bozman/SHARVCS/AWWSC]

Jim

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Fax 856-672-2878  
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Jim  
Bozman/SHARSVCS/AWWS  
C  
02/28/2007 04:35 PM

To: John Spanos  
cc: Basil J D'Antonio/SHARSVCS/AWWSC@AWW  
Subject: RE: KY American Depr study

John,  
I have sent some files.....some came back undelivered.....TOO BIG. Do you have a FTP site. If not I will burn all files to CD and send tomorrow....same day delivery if I can. What is your mail delivery address?

Jim

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Fax 856-672-2878  
jbozman@amwater.com  
"Spanos, John J." <jspanos@GFNET.com>



"Spanos, John J."  
<jspanos@GFNET.com  
>  
02/28/2007 04:00 PM

To: <jbozman@amwater.com>  
cc: <bdantoni@amwater.com>  
Subject: RE: KY American Depr study

Jim:

I am okay with files via email or on a CD whichever is easier and quicker for you. If there is a concern about size to email then sending them one file at a time is fine with me. If the excel files contain everything that is on the access data base then I do not need the access data base.

I have been given a very short time frame to complete this assignment so as soon as I can get data the better for me. My phone number is 717-763-7212, x2246.

Thanks

John

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**From:** jbozman@amwater.com [mailto:jbozman@amwater.com]  
**Sent:** Wednesday, February 28, 2007 3:54 PM

**To:** Spanos, John J.  
**Cc:** bdantoni@amwater.com  
**Subject:** KY American Depr study

John,

I have been working on gathering data for your study. Some files are big. Would you prefer a CD disk. I can send some e-mails with one file each. I have 10 files, one being an Microsoft database file plus some excel files. The access database file may never get through e-mail. You may not need it since the excel files contain pivots of the database.

I do not know your timeframe. Please call me or e-mail back. I need your phone also....we will need to discuss some of the information and files.

Jim

---

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jbozman@amwater.com

----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARVCS/AWWS  
C  
03/01/2007 10:45 AM

To John Spanos  
cc Basil J D'Antonio/SHARVCS/AWWSC@AWW  
Subject KY American Depr Study#6

John,  
A few accounts are alittle off.....but here you go.

[attachment "KY 2006-1994 balances detail.xls" deleted by Jim Bozman/SHARVCS/AWWSC]

Jim

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*Fax* 856-672-2878  
jbozman@amwater.com

----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim  
Bozman/SHARVCS/AWWS  
C  
03/01/2007 11:45 AM

To John Spanos  
cc Basil J D'Antonio/SHARVCS/AWWSC@AWW  
Subject KY Depr Study CD

John,

I mailed the CD with 11 files including the one I sent you this morning.

Please let me know when you receive it (UPS Early AM) and copy BASIL. I want to make sure you get it. I may be off tomorrow if all goes well.

Tracking #1ZRA79101543038908

Thanks

Jim

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----- Forwarded by Jim Bozman/SHARVCS/AWWSC on 06/13/2007 05:09 PM -----



Jim

Bozman/SHARVCS/AWWS

C

03/01/2007 11:52 AM

To John Spanos

cc

Subject KY 1996 Depreciation Study

John,

I did not know if you had this or if it is usefull to you.  
Not on the CD.

[attachment "KY 1996 Depreciation Study.pdf" deleted by Jim Bozman/SHARVCS/AWWSC]

Jim

---

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