

FIGURE NO. 1

**BRISTOL TOWNSHIP AUTHORITY
SANITARY SEWER FACILITIES**

FIGURE NO. 2

**TREATMENT PLANT SITE
AND YARD PIPING PLAN**

APPENDIX A

NPDES PERMIT EFFLUENT LIMITATIONS

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (DMR)

Approved
No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: BRISTOL TWP AUTH
ADDRESS: 1800 RIVER RD
CROYDON, PA 19021
FACILITY: BRISTOL TWP STP
LOCATION: 1800 RIVER RD
CROYDON, PA 19021
ATTN: STEVEN W MCCLAIN/PBLC WRKS DIR

PA0026450
PERMIT NUMBER

001A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 19021
MAJOR (SUBR01)
OUTFALL 001
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
06	10	01	06	10	31

FROM

No Data Indicator

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
pH									
00400 A 0 Disinfection, Process Complete				6 INST MIN		9 INST MAX		Daily	GRAB
Solids, total suspended									
00530 A 0 Disinfection, Process Complete	563 MO AVG	lb/d	844 MX WK AV		30 MO AVG	45 MX WK AV		Twice Every Week	COMP24
Nitrogen, ammonia total (as N)									
00610 A 0 Disinfection, Process Complete	557 MO AVG	lb/d	885 MX WK AV		35 MO AVG			Twice Every Week	COMP24
Dieldrin									
39380 A 0 Disinfection, Process Complete								Once Per Month	COMP24
Flow, in conduit or thru treatment plant									
50050 A 0 Disinfection, Process Complete	Req. Mon: MO AVG	Mgal/d	Req. Mon: DAILY MX			Req. Mon: MX WK AV		Continuous	RCORDR
Chlorine, total residual									
50060 A 0 Disinfection, Process Complete					5 MO AVG	13 INST MAX		Daily	GRAB
Coliform, fecal general									
74055 A 0 Disinfection, Process Complete					200 30DA GEO			Twice Every Week	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE		DATE	
	AREA Code	NUMBER	YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				
<small>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that I am a duly licensed professional engineer or geologist under the laws of the State of Pennsylvania, and that I am the duly authorized signatory for the issuer of this report and that I am not providing this information to anyone other than the intended recipient. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</small>				
TYPED OR PRINTED				

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE MONITORING SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: BRISTOL TWP AUTH
ADDRESS: 1800 RIVER RD
CROYDON, PA 19021
FACILITY: BRISTOL TWP STP
LOCATION: 1800 RIVER RD
CROYDON, PA 19021

ATTN: STEVEN W MCCLAIN/PBLC WRKS DIR

PA0026450
PERMIT NUMBER

001A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 19021
MAJOR (SUBR01)
OUTFALL 001
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
06	10	01	TO	06	31

No Data Indicator

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
BOD, carbonaceous, 05 day, 20 C	394 MO AVG		600 MX WK AV	21 MO AVG		32 MX WK AV		Twice Every Week	COMP24
80082 A 0 Disinfection, Process Complete		lb/d							
BOD, carbonaceous, 20 day, 20 C	590 MO AVG							Once Per Month	COMP24
80087 A 0 Disinfection, Process Complete		lb/d							
BOD, carb-5 day, 20 deg C, percent removal				88.5 MO AV MIN				Twice Every Week	COMP24
80091 K 0 Percent Removal									
Solids, suspended percent removal				.85 MO AV MIN				Twice Every Week	COMP24
81011 K 0 Percent Removal									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE		DATE
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	YEAR MO DAY

I certify under penalty of law that this document and all attachments were prepared under my direction or I certify that the person who prepared this document is a qualified person who is duly licensed or otherwise qualified to prepare this information. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

APPENDIX B

DESCRIPTION OF TREATMENT FACILITIES

DESCRIPTION OF TREATMENT FACILITIES

1. Influent Pumps

Number of Pumps	-	3
Type of Pump	-	Vertical Centrifugal with Intermediate Drive Shaft
Rated Capacity	-	3000 gpm @ 32 ft. TDH
Drive Type	-	Two (2) with magnetic clutch variable speed drives and 40 HP, 880 RPM Motors
	-	One (1) constant speed with 40 hp, 880 RPM Motor
Speed and Level Control Type	-	Bubbler and Pressure Transducer

2. Automatic Filter Screen

Number of Units	-	1
Size	-	Installed in 2'-6" wide by 4'-6" deep channel
Filter Opening Size	-	15 mm
Rated Capacity	-	8 MGD
Automatic Controls	-	Timer based with high upstream level override
Bypass	-	2'-8" wide by 4'-6" deep channel with manually-cleaned barscreen with 1 5/8" clear opening

3. Grit Chamber

Number of Units	-	1
Type	-	Aerated
Size	-	5' wide by 12' deep
Rated Capacity	-	6 MGD
Grit Removal Equipment Type	-	Shafted screw with solid flights
Controls	-	Manual stop/start for Grit Screw
	-	Aeration Blower runs continuously
Blower Capacity	-	16 cfm
Blower Type	-	Rotary Lobe

4. Primary Clarifiers

Number of Units	-	2
Size, each	-	65' dia. by 8' SWD
Bottom Slope	-	1 in 12
Equipment Type	-	Center Feed, Column Support Type
Detention Time*	-	3.7 hours
Surface Overflow Rate*	-	452 gpd/ft ²
Weir Loading Rate*	-	7,352 gpd/LF
Influent Pipe Size	-	18"
Sludge Withdrawal Pipe Size	-	8"

*at 3MGD

Primary Clarifiers (continued)

Method of Sludge Withdrawal	-	Manually-operated telescopic valves discharging to an attached sludge well for each tank
Scum Removal Equipment	-	Skimmer attached to clarifier mechanism. Scum is discharged to Sludge Well
Sludge Well	-	9'-0" W X 9'-5" L X 13' Deep Box attached to each clarifier. Manually-operated mixer provided to blend the scum and sludge that is pumped by the Primary Sludge pumps.

5. Primary Trickling Filters

Number of Units	-	2
Size, each	-	80' diameter by 6'-3" average media depth
Media Type	-	Munters Synthetic PVC Media providing 42 square feet of surface area and a void ratio of 95%
Rotary Distributor Type	-	Reaction Type with Primary and Secondary Arms
Dosing Interval	-	Continuous
Recirculation Rate	-	2.25 MGD (Total for both filters)
Hydraulic Loading at 3MGD plus 2.25MGD Recirculation	-	22.76 mgad
Tank Type	-	Poured-in-place reinforced concrete with top of tank 6" above
Underdrain Type	-	6" High precast concrete curbs spaced at 6 feet c to c

6. Secondary Trickling Filter Pumps

Number of Units	-	2
Type of Pump	-	Self-Priming Centrifugal (Dri-Prime by Godwin Pumps)
Rated Capacity	-	4050 GPM at 36 ft. TDH
Motor	-	50 hp, 900 RPM
Drive Type	-	Variable Frequency Drive
Speed & Level Control Type	-	Submerged Transducer

7. Secondary Trickling Filters

Number of Units	-	2
Size, each	-	62' diameter by 10 foot average media depth
Media Type	-	Munters Synthetic PVC Media providing 42 square feet of surface area and a void ratio of 95%
Rotary Distributor Type	-	Reaction Type with Primary and Secondary Arms
Dosing Interval	-	Continuous
Hydraulic Loading Rate at 3MGD Plus 2.25MGD Recirculation	-	37.9 mgad

Secondary Trickling Filters (continued)

- Tank Type - Glass-coated steel. Top of tank located 17 feet above grade.
- Underdrain Type - 6" Precast concrete curbs set spaced at 3 feet on center and mounted on poured-in-place concrete. Walls spaced at 8 feet on center. A 3'-9" average plenum space provided.

8. Final Clarifiers

- Number of Units - 2
- Size, each - 60' Diameter X 8' SWD
- Bottom Slope - 1 in 12
- Equipment Type - Center Feed, column support type
- Detention Time* - 1.78 Hours
- Surface Overflow Rate* - 928 gpd/ft²
- Weir Loading Rate* - 13,926 gpd/LF
- Influent Pipe Size - 24"
- Scum Removal Equipment - None
- Sludge Removal Equipment - Manually-operated telescopic valves. Waste sludge is returned by gravity to the headend of the treatment plant.

9. Recirculation Pump Station

- Number of Units - 2
- Type of Pump - Vertical pedestal-mounted centrifugal pump
- Drive Type - 15 hp, 900 RPM constant speed motor
- Rated Capacity - 1575 GPM @ 20 ft. TDH
- Level Control - None
- Mode of Operation - One (1) pump operates continuously (except during wet weather flow when it is shut down)

10. Effluent Meter

- Meter Type - Ultrasonic type with two (2) transducers located on a 24" DIP flowing full
- Meter Location - In precast concrete Meter Chamber located between the Final Clarifiers and the Chlorine Contact Tanks
- Velocity Range in 24" Pipe - 1.0 to 2.5 fps
- Full Scale Setting - 5 MGD

11. Chlorine Contact Tanks

- Number of Units - 2
- Tank Size, each - 26'-6" L X 14'-9" W X 8' Deep
- Baffle Type and Spacing - End around at 4'-3" c to c
- Number of Baffles/ Tank - 5

Chlorine Contact Tanks (continued)

Inlet Size & Location	-	16" Sq. opening with sluice gate at tank bottom
Inlet Box Size	-	3'6" W X 8' L X 8' Deep
Total tank Volume	-	44,760 Gal.
Contact Time @ 3MGD	-	21.3 Min.
Floatable Baffle	-	No

12. Outfall Sewer

Size & Material	-	36" Dia. RCP
Length	-	1160 LF
Discharge Type	-	Submerged manifold with three (3) 20" outlets
Additional Contact Time at Mean High Tide & 3MGD	-	17 Minutes

13. Chlorination System

Chlorine Source	-	1 Ton cylinder with tank-mounted vacuum regulator. Cylinder mounted on scale.
System Capacity	-	100 lb/day
Backup System	-	100 lb. Cylinder with tank mounted. Vacuum regulator and automatic switchover cylinder mounted on scale.
Feed System	-	Automatic flow-paced gas valve with manual dosage pot. Flow signal received from effluent flowmeter.
Backup Feed System	-	Rotometer with manual gas valve for constant feed rate up to 100 lb/day
Water Source for Ejector	-	Potable water
Alarms	-	Low weight in ton cylinder
	-	Low weight in 100 lb cylinder
	-	Gas leak detector

14. Primary Sludge Pumps

Number of Units	-	2
Type of Pump	-	ITT-Marlow Trash Hog self-priming centrifugal pump with belt drive and 7.5hp motor
Pump Capacity	-	200 gpm @ 42 ft. TDH
Pump Grinder	-	4" Muffin Monster with automatic controls installed on suction side of the pumps

15. Anaerobic Digesters

Number of Units	-	2
Size, each	-	50' Diameter and 22' SWD (max.)
Digester Types	-	Primary Digester with gas recirculation mixer and floating steel cover. Secondary Digester with spiral guided floating steel gas holder cover.

Anaerobic Digesters (continued)

Gas Recirculation

- Mixer Capacity - 150 cfm @ 10 psi
- Tank Bottom Slope - 1 in 4
- Heat Exchanger
 - Capacity - 500,000 BTU/Hr
- Recirculation Pumps - Two (2) recessed impeller, horizontal pumps with variable frequency drive. Each pump rated at 175 GPM @ 12 ft. TDH.

16. Centrifuge Pumps

- Number of Units - 2
- Type of Pump - Netzsch Model NE60A progressive cavity
- Drive Type - Reeves variable pitch drive with electric actuator.
Maximum output speed 245 RPM.
- Pump Capacity, max - 54 gpm

17. Centrifuge

- Number of Units - 1
- Manufacturer - Humboldt Model CP2-1.1
- Input Capacity - 55-85 gpm

APPENDIX C

DESCRIPTION OF PUMP STATIONS

Name of Pump Station I-95

Manufacturer of Pumps FAIRBANKS MORSE

Number of Pumps 2

Approximate Age of Pumps 15 Years

Model No. 4" B5432

Serial No.(s) VF215TTDR8658AWL

Rated Capacity 550 GPM

Head 30 TDH

Speed 1750 RPM

Motor Hp 10

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 & 10 In.

Motor Manufacturer MARATHON

Power Supply 208 Volts

Motor Speed 1750 RPM

Type of Pump Controls – FLOATS WITH AUTOMATIC ALTERNATOR

Standby Power – NONE

REMARKS: SUCTION LIFT TYPE STATION WITH VACUUM PUMPS TO PRIME THE PUMPS

Name of Pump Station SILVER LAKE

Manufacturer of Pumps CHICAGO PUMP

Number of Pumps THREE (3)

Approximate Age of Pumps 3 Years

Model No. OL4

Serial No.(s) 9609767

Rated Capacity 578 GPM

Head 32' TDH

Speed 900 RPM

Motor Hp 10

Pump Suction Size 8 X 5 In.

Pump Discharge Size 4 X 8 In.

Force Main Size 10 In.

Motor Manufacturer U.S. MOTOR

Power Supply 230/460 Volts

Motor Speed 900 RPM

Type of Pump Controls – AUTOCON BUBBLTROL WITH TWO COMPRESSORS

Standby Power – 25 KW ONAN DIESEL GENERATOR W/AUTO TRANSFER

REMARKS: COMMINUTOR REMOVED
VERTICAL PUMPS WITH DRIVE SHAFTS

Name of Pump Station FDR

Manufacturer of Pumps CHICAGO PUMP

Number of Pumps TWO (2)

Approximate Age of Pumps 17 Years

Model No. LM VO6

Serial No.(s) 9809339

Rated Capacity 1100 GPM

Head 50' TDH

Speed 1200 RPM

Motor Hp 25

Pump Suction Size 8 X 6 In.

Pump Discharge Size 4 X 8 In.

Force Main Size 10 In.

Motor Manufacturer U.S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1200 RPM

Type of Pump Controls – BUBBLER AND PRESSURE SWITCHES

Standby Power – FOR ONE PUMP ONLY
JOHNSON GEAR TRANS., 25 hp @ 1150 RPM
WISCONSIN ENGINE

REMARKS: SPARE ROTATING ASSEMBLY AT STATION
VERTICAL PUMPS WITH DRIVE SHAFTS

Name of Pump Station DELHAAS

Manufacturer of Pumps DAVCO

Number of Pumps TWO (2)

Approximate Age of Pumps 4 Years

Model No. P04LB-8D

Serial No.(s) C1567

C1569

Rated Capacity 185 GPM

Head _____ TDH

Speed BELT DRIVE RPM

Motor Hp 10

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 In.

Motor Manufacturer U.S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1720 RPM

Type of Pump Controls – BUBBLER WITH ONE COMPRESSOR

Standby Power – NONE

REMARKS: PACKAGE STATION
SUCTION LIFT DESIGN

Name of Pump Station CROYDON ACRES

Manufacturer of Pumps CHICAGO PUMP

Number of Pumps TWO (2)

Approximate Age of Pumps 15 Years

Model No. JOSOMC6

Serial No.(s) 61227571

A-5651-2

Rated Capacity 500 GPM

Head _____ TDH

Speed 870 RPM

Motor Hp 7.5

Pump Suction Size 8 X 6 In.

Pump Discharge Size 6 X 8 In.

Force Main Size 10 In.

Motor Manufacturer RELIANCE

Power Supply 230/460 Volts

Motor Speed 870 RPM

Type of Pump Controls - BUBBLER SYSTEM WITH PRESSURE SWITCHES

Standby Power - EMERGENCY GENERATOR WITH ANGLE DRIVE TO ONE PUMP

REMARKS: VERTICAL PUMPS WITH DRIVE SHAFT

Name of Pump Station BRISTOL PARK

Manufacturer of Pumps FLYGT

Number of Pumps TWO (2)

Approximate Age of Pumps 17 Years

Model No. 3102

Serial No.(s) 9540213

Rated Capacity 225 GPM

Head 31' TDH

Speed 1750 RPM

Motor Hp 5

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 In.

Motor Manufacturer FLYGT

Power Supply 230/460 Volts

Motor Speed 1730 RPM

Type of Pump Controls - BUBBLER WITH TWO COMPRESSORS

Standby Power - NONE

REMARKS: PACKAGE STATION
DRY PIT SUBMERSIBLE PUMPS

Name of Pump Station BEAVER DAM ROAD

Manufacturer of Pumps ITT FLYGT

Number of Pumps TWO (2)

Approximate Age of Pumps 14 Years

Model No. CS 3102

Serial No.(s) 310280159

Rated Capacity 175 GPM

Head 30' TDH

Speed 1750 RPM

Motor Hp 5

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 In.

Motor Manufacturer FLYGT

Power Supply 230 Volts

Motor Speed 1750 RPM

Type of Pump Controls - **BUBBLER WITH PRESSURE SWITCHES AND ONE COMPRESSOR**

Standby Power - **NONE**

REMARKS: **PACKAGE TYPE STATION
DRY PIT SUBMERSIBLE PUMPS**

Name of Pump Station KEYSTONE PARK

Manufacturer of Pumps FAIRBANKS

Number of Pumps TWO (2)

Approximate Age of Pumps 15 Years

Model No. _____

Serial No.(s) A488676-615-U

Rated Capacity 300 GPM

Head _____ TDH

Speed 1165 RPM

Motor Hp 7.5

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 In.

Motor Manufacturer _____

Power Supply _____ Volts

Motor Speed 1105 RPM

Type of Pump Controls - BUBBLER SYSTEM WITH PRESSURE SWITCHES

Standby Power - NONE

REMARKS: PACKAGE TYPE METAL DRY WELL
CLOSE COUPLED VERTICAL PUMPS

Name of Pump Station STATE ROAD

Manufacturer of Pumps PACIFIC PUMPING CO.

Number of Pumps TWO (2)

Approximate Age of Pumps 13 Years

Model No. 4CC-NCF

Serial No.(s) C1AE27394

C1AE27395

Rated Capacity 150 GPM

Head 35' TDH

Speed 875 RPM

Motor Hp 5.

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 6 In.

Motor Manufacturer WESTINGHOUSE
Volts

Power Supply 230/460

Motor Speed 875 RPM

Type of Pump Controls -- BUBBLER WITH ONE COMPRESSOR

Standby Power -- NONE

REMARKS: PACKAGE STATION
FLUSH KLEEN DESIGN
CLOSE-COUPLED VERTICAL PUMPS

Name of Pump Station CROYDON MANOR

Manufacturer of Pumps CHICAGO PUMPS

Number of Pumps TWO (2)

Approximate Age of Pumps 17 Years

Model No. LLCH

Serial No.(s) D0446-1

D0446-2

Rated Capacity 285 GPM

Head 43' TDH

Speed 1200 RPM

Motor Hp 7.5

Pump Suction Size 6 X 5 In.

Pump Discharge Size 4 X 6 In.

Force Main Size 6 In.

Motor Manufacturer U. S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1200 RPM

Type of Pump Controls - AUTOCON BUBBLTROL WITH TWO COMPRESSORS

Standby Power - NONE

REMARKS: COMMINUTOR REMOVED
WET WELL HAS OVERFLOW
VERTICAL PUMPS WITH DRIVE SHAFTS

Name of Pump Station HARTEL STREET

Manufacturer of Pumps CLOW

Number of Pumps TWO (2)

Approximate Age of Pumps 15 Years

Model No. 4310

Serial No.(s) _____

Rated Capacity 200 GPM

Head _____ TDH

Speed 1170 RPM

Motor Hp 3

Pump Suction Size 4 In.

Pump Discharge Size 4 In.

Force Main Size 4 In.

Motor Manufacturer RELIANCE

Power Supply _____ Volts

Motor Speed 1170 RPM

Type of Pump Controls - BUBBLER SYSTEM WITH PRESSURE SWITCHES AND ONE COMPRESSOR

Standby Power - NONE

REMARKS: PACKAGE TYPE METAL DRY WELL

Name of Pump Station CROYDON PARK

Manufacturer of Pumps CHICAGO PUMP CO.

Number of Pumps TWO (2)

Approximate Age of Pumps 17 Years

Model No. OM4

Serial No.(s) D0447-1

D0447-2

Rated Capacity 465 GPM

Head 32' TDH

Speed 1200 RPM

Motor Hp 7.5

Pump Suction Size 6 X 5 In.

Pump Discharge Size 4 X 6 In.

Force Main Size 6 In.

Motor Manufacturer U. S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1200 RPM

Type of Pump Controls - AUTOCON BUBBLETROL WITH TWO COMPRESSORS

Standby Power - NONE

REMARKS: COMMINUTOR REMOVED
WET WELL HAS OVERFLOW
VERTICAL PUMP WITH DRIVE SHAFTS

Name of Pump Station PALMER AVENUE

Manufacturer of Pumps CHICAGO PUMP

Number of Pumps THREE (3)

Approximate Age of Pumps 17 Years

Model No. OL4

Serial No.(s) C9863-1

C9863-2

C9863-3

Rated Capacity 705 GPM

Head 37' TDH

Speed 1200 RPM

Motor Hp 10

Pump Suction Size 10 X 6 In.

Pump Discharge Size 4 X 8 In.

Force Main Size 12 In.

Motor Manufacturer U. S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1200 RPM

Type of Pump Controls - BUBBLER SYSTEM WITH PLC AND ONE (1) COMPRESSOR

Standby Power - 40 KW ONAN DIESEL WITH AUTO TRANSFER SWITCH

REMARKS: COMMINUTOR REMOVED
VERTICAL PUMPS WITH DRIVE SHAFTS

Name of Pump Station DELAWARE AVENUE

Manufacturer of Pumps CHICAGO PUMP CO.

Number of Pumps THREE (3)

Approximate Age of Pumps 5 Years

Model No. OL4

Serial No.(s) 9802201

61-22255-B

61-22255-C

Rated Capacity 710 GPM

Head 57' TDH

Speed 1200 RPM

Motor Hp 15

Pump Suction Size 8 X 5 In.

Pump Discharge Size 4 X 6 In.

Force Main Size 8 In.

Motor Manufacturer U. S. MOTOR

Power Supply 230/460 Volts

Motor Speed 1200 RPM

Type of Pump Controls - AUTOCON BUBBLTROL WITH ONE (1) COMPRESSOR

Standby Power - ONAN GENERATOR WITH AUTOMATIC TRANSFER SWITCH
PRESENTLY OPERABLE SYSTEM

REMARKS: COMMINUTOR REMOVED
COMPARTMENTED WET WELL