

APPENDIX C

EQUIPMENT NAMEPLATE DATA

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CONTROL BUILDING
ROOF

PLANT BLOWER FILTER NO. 1 (INTAKE)

Manufacturer	Universal Silencer
Model Number	CCS-6
Part Number	34-3106
Serial Number	1611-76
Element Number	81-0475

PLANT BLOWER FILTER NO. 2 (INTAKE)

Manufacturer	Universal Silencer
Model Number	CCS-6
Part Number	34-3206
Serial Number	1611-76
Element Number	81-0475

CONTROL BUILDING
ROOF
CHEMICAL STORAGE BIN NO. 1

DUST COLLECTOR NO. 1 (ON TOP OF CHEMICAL STORAGE BIN)

Manufacturer	Flex-Kleen Corp.
Model Number	58-BV-9-I
Serial Number	33-11-5189-3

ELECTRIC BAG SHAKER (ON DUST COLLECTOR NO. 1)

Manufacturer	Flex-Kleen Corp.
Horsepower	1/6
Voltage	110

DUST COLLECTOR BOX NO. 1

Manufacturer	Butler
Model Number	SFC-S-S-A90
Part Number	5214-8

CIRCULATING FAN NO. 1

Manufacturer	U. S. Motors
Frame	56C
Serial Number	J
Insulation Class	A
Identification Number	63-31899-116
Horsepower	1
Revolutions Per Minute	3460
Voltage	230/460
Amperage	3.0/1.5
Cycles	60
Service Factor	1.0
Design	B
Code	H
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
Drive End Bearing	6203-2z-J/C3
Opposite End Bearing	6203-2z-J/C3
Fan Assembly Manufacturer	Sprout and Waldron
Fan Model	Circular
Fan Serial Number	75-1694

CONTROL BUILDING
ROOF
CHEMICAL STORAGE BIN NO. 2

DUST COLLECTOR NO. 2 (ON TOP OF CHEMICAL STORAGE BIN)

Manufacturer	Flex-Kleen Corp.
Model Number	84BV-9-1
Serial Number	01-84-88

ELECTRIC BAG SHAKER (ON DUST COLLECTOR NO. 2)

Manufacturer	Flex-Kleen Corp.
Horsepower	1/6
Voltage	110

DUST COLLECTOR BOX NO. 2

Manufacturer	Butler
Model Number	SFC-S-S-A90
Part Number	5214-8

CIRCULATING FAN NO. 2

Manufacturer	Baldor
Frame	56-513M
Serial Number	875
Catalog Number	M5545
Insulation Class	B
Identification Number	35A11-81
Horse Power	1
Revolutions Per Minute	3450
Voltage	208-220/440
Amperage	3.4-3.2/1.6
Cycles	60
Service Factor	1.25
Design	B
Code	J
Phase	3
Duty	Continuous
Ambient	55°C
Insulation	B
Fan Assembly Manufacturer	Sprout and Waldron
Fan Model	Circular
Fan Serial Number	75-1695

CONTROL BUILDING

ROOF

AIR CONDITIONER - COMPRESSOR UNIT (For Laboratory & Control Room)

Manufacturer	Bryant
Model	36-567C
Series	B
Serial Number	41A279201
Compressor	
Full Load Amperage	230
Locked Rotor Amperage	106
Voltage	208
Hertz	60
Phase	1
Fan	
Full Load Amperage	3.6
Locked Rotor Amperage	6.1
Horsepower	1/4
Voltage	208
Hertz	60
Phase	1
Refrigerant	
Quantity	22 lbs. @ 5.06
Test Pressure (High Side)	300 PSIG
Test Pressure (Low Side)	150 PSIG
Minimum Amperage	31.7
Maximum Amperage	50

LIME BIN FAN

Manufacturer	Westinghouse
Type Motor	FE FR FU 48
Horsepower	1/4
Revolutions per minute	1050
Cycles	60
Amperage	4.2
Terminal Protector	Type C
Serial Number	321P576
Serial	A C50

CONTROL BUILDING
MAIN BLOWER ROOM

PLANT BLOWERS

BLOWER NO. 1 (WEST SIDE OF ROOM)

Manufacturer	Gardner Denver (Cyclo-Blower)
Model	A5CDL9J
Serial Number	21239
Specification Number	5144
Capacity (Cubic Feet/Min.)	570
Working Pressure	12 PSIG
Revolutions per minute	4,000 (Max)
Rotation	Counter Clockwise

BLOWER MOTOR NO. 1 (WEST SIDE OF ROOM)

Manufacturer	U. S. Electrical Motors
Frame	55-284T-8
Type	VEU- F
Insulation Class	B
Identification Number	DD10030
Horse Power	25
Revolutions Per Minute	3360/1200
Voltage	230/460
Amperage	61/30.5
Cycles	60
Design	B
Code	G
Phase	3
Duty	Continuous
Ambient	40°C

BLOWER NO. 2 (EAST SIDE OF ROOM)

Manufacturer	Gardner Denver (Cycle-Blower)
Model	A5CDL9J
Serial Number	21240
Specification Number	5144
Capacity (Cubic Feet/Min.)	570
Working Pressure	12 PSIG
Revolutions Per Minute	4,000 (Max)
Rotation	Counter Clockwise

BLOWER MOTOR NO. 2 (EAST SIDE OF ROOM)

Manufacturer	U. S. Electrical Motors
Frame	55-284T-8
Type	VE U-TF
Insulation Class	B
Identification Number	DD10031
Horse Power	25

CONTROL BUILDING
MAIN BLOWER ROOM

BLOWER MOTOR NO. 2 (EAST SIDE OF ROOM) - CONT'D

Revolutions Per Minute	3360/1200
Voltage	230/460
Amperage	61/30.5
Cycles	60
Service Factor	2.0
Design	B
Code	G
Phase	3
Duty	Continuous
Ambient	40°C

SNUBBER NO. 1 (INTAKE)

Manufacturer	Universal Silencer
Model Number	UR-6
Part Number	22109
Serial Number	160076

SNUBBER NO. 1 (DISCHARGE)

Manufacturer	Universal Silencer
Model Number	UR-6
Part Number	22109
Serial Number	160076

SNUBBER NO. 2 (INTAKE)

Manufacturer	Universal Silencer
Model Number	UR-6
Part Number	22109
Serial Number	160076

SNUBBER NO. 2 (DISCHARGE)

Manufacturer	Universal Silencer
Model Number	UR-6
Part Number	22109
Serial Number	160076

INSTRUMENT AIR COMPRESSOR

Manufacturer	Kellogg American, Inc.
Model	B331
Serial Number	N834207
Air Storage Tank	
Manufacturer	Melben Products Co., Inc.
Nt'l. Bd. & MPCo Number	047964
Inspectors Stamp	U

CONTROL BUILDING
MAIN BLOWER ROOM

INSTRUMENT AIR COMPRESSOR (CONT'D)

Air Storage Tank (Cont'd)	
Working Pressure	200 PSIG
Maximum Temperature	650 ^o F
Shape	199
HD	162
RAD	E
Division	1 1976 CRN
Motor	
Manufacturer	General Electric
Model	5K182A6214D
Number	DLF
Horsepower	3
Service Factor	1.15
Hertz	60
Phase	3
Voltage	230/460
Amperage	8.6/4.3
Speed	1725 RPM
Time Rating	Continuous
Ambient Temperature	40 ^o C
Insulation Class	A
Design	B
Frame	182 T
Type	K
Code	K
Shaft End Bearing No.	30BC02XP
Opposite End Bearing No.	25BC02XP

CONTROL BUILDING
SMALL BLOWER ROOM

BUTLER BLOWERS

BLOWER UNIT NO. 1 (WEST SIDE OF ROOM)

Manufacturer	Butler
Model Number	SPC-5-20-1-T
Part Number	27771-1

COMPRESSOR NO. 1

Manufacturer	Schwitzer
Part Number	146700
Serial Number	C1274-01
Size	3 x 4

BLOWER MOTOR NO. 1

Manufacturer	U. S. Electric
Frame	184T
Type	T
Insulation Class	B
Identification Number	F3496-01-332
Horse Power	5
Revolutions Per Minute	1730
Voltage	230/460
Amperage	14.4/7.2
Cycles	60
Service Factor	1.0
Design	B
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	6206-2Z-J/C3
Opposite Drive Bearing	6205-2Z-J/C3

DISCHARGE SILENCER NO. 1

Manufacturer	Kittell
Model Number	5016
Serial Number	BCU02

BLOWER UNIT NO. 2 (EAST SIDE OF ROOM)

Manufacturer	Butler
Model Number	SPC-5-20-1-T
Part Number	27771-1

COMPRESSOR NO. 2

Manufacturer	Schwitzer
Part Number	146700

CONTROL BUILDING
SMALL BLOWER ROOM

COMPRESSOR NO. 2 (CONT'D)

Serial Number	C2774-05
Size	3 x 4

BLOWER MOTOR NO. 2

Manufacturer	U. S. Electric
Frame	184T
Type	T
Insulation Class	B
Identification Number	F3496-01-332
Horsepower	5
Revolutions Per Minute	1730
Voltage	230/460
Amperage	14.4/7.2
Cycles	60
Service Factor	1.0
Design	B
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	6206-2Z-J/C3
Opposite Drive Bearing	6205-2Z-J/C3

DISCHARGE SILENCER NO. 2

Manufacturer	Kittell
Model Number	CRD 2.5

CONTROL BUILDING
OPERATING ROOM

FLASH MIXER NO. 1

Manufacturer	Lightnin
Model	84Q10
Serial Number	7600806
Order Number	2209
Ratio	30.7
Output Revolutions Per Minute	56 (full load)
Oil Capacity	27 quarts

FLASH MIXER MOTOR NO. 1 (WEST SIDE)

Manufacturer	Allis Chalmers
Frame	215T
Model Number	616
Type	RGZ
Insulation Class	B
Serial Number	51-306-281
Horsepower	10
Revolutions Per Minute	1750
Voltage	230/460
Amperage	26/13
Cycles	60
Service Factor	1.0
Design	NEMA B
Code	H
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
Drive End Bearing	40BC02JPP3
Opposite Drive Bearing	30BC02JPP3
Operating Instructions	51X9535

FLASH MIXER NO. 2 (EAST SIDE)

Manufacturer	Lightnin
Model	84Q10
Serial Number	7600807
Order Number	2209
Ratio	30.7
Output-Revolutions Per Minute	56 (full load)
Oil Capacity	27 quarts

FLASH MIXER MOTOR NO. 2 (EAST SIDE)

Manufacturer	Allis Chalmers
Frame	215T
Model Number	616
Type	RGZ
Insulation Class	B
Serial Number	51-306-281
Horsepower	10
Revolutions Per Minute	1750

CONTROL BUILDING
OPERATING ROOM

FLASH MIXER MOTOR NO. 2 (EAST SIDE) - CONT'D

Voltage	230/460
Amperage	26/13
Cycles	60
Service Factor	1.0
Design	NEMA B
Code	H
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
Drive End Bearing	40BC02JPP3
Opposite Drive Bearing	30BC02JPP3
Operating Instructions	51X9535

LIME SLURRY FEEDER NO. 1 (NORTH)

Manufacturer	BIF
Customer Order Number	5091
Shop Order Number	50315-N-0204
Type of Unit - Model Number	65-01-0101
Serial Number	50315-2
Approved for Shipment	3/18/77
Feed Rate	1800 Gallons Per Hour
Variable Speed Transmission Unit	
Manufacturer	BIF
Model Number	BMA-613889
Drive Motor	
Manufacturer	General Electric
Electrical	Direct Current
Model No.	5BCD56CB798
Revolutions Per Minute	1725
Horsepower	1/4
Time Rating	Continuous
Ambient	40°C
Insulation Class	B-R
Winding	Shunt Wound
Frame	56
G.E. Identification Number	4825
Customer Part Number	PIC OF-125OT
Amperage	2.6A/.38/.76F
Serial Number	KJN
Voltage	90A/100/50F
Counter	
Model Number	4-D-73LAC
Ratio	10:1
Serial Number	1073

LIME SLURRY FEEDER NO. 2 (SOUTH)

Manufacturer	BIF
Customer Order Number	5091
Shop Order Number	50315-N-0204
Type of Unit - Model Number	65-01-0101
Serial Number	50315-3
Approved for Shipment	3/18/77

CONTROL BUILDING
OPERATING ROOM

LIME SLURRY FEEDER NO. 2 (SOUTH) - CONT'D

Feed Rate	1800 Gallons Per Hour
Variable Speed Transmission Unit	
Manufacturer	BIF
Model Number	BMA-613889
Drive Motor	
Manufacturer	General Electric
Electrical	Direct Current
Model Number	5BCD 56CB79B
Revolutions Per Minute	1725
Horsepower	1/4
Voltage	90A/100/50F
Time Rating	Continuous
Ambient	40°C
Insulation	B-R
Winding	Shunt Wound
Frame	56
General Electric	
Identification Number	4825
Customer Part Number	PIC OF 125OT
Amperage	2.6A/.38/.76F
Serial Number	DJN
Counter	
Model Number	4-D-73LAC
Ratio	10:1
Serial Number	1073

LIME SLURRY FEEDER NO. 3 (MIDDLE UNIT)

Manufacturer	BIF
Customer Order Number	5091
Job Order Number	50315-N-0204
Type of Unit- Model Number	65-01-0101
Serial Number	50315-1
Approved for Shipment	3/18/77
Feed Rate	1800 Gallons Per Hour
Variable Speed Transmission Unit	
Manufacturer	BIF
Model Number	BMA-613889
Drive Motor	
Manufacturer	General Electric
Model Number	5BCD566B79B
Revolutions Per Minute	1725
Horsepower	1/4
Time Rating	Continuous
Ambient	40°C
Insulation Class	B-R
Winding	Shunt Wound
Frame	56
General Electric	
Identification Number	4825
Customer Part Number	PIC OF-125OT
Amperage	2.6A/.38/.76F
Serial Number	EJN
Voltage	90A/100/50F
Counter	
Model Number	4-D-73LAC
Ratio	10:1
Serial Number	1073

CONTROL BUILDING
OPERATING ROOM

LIME SLURRY TANK MIXER NO. 1 (NORTH)

Manufacturer	Lightnin
Model Number	NLDG-200V
Serial Number	7617094
Belt Number	07P1-0012
Bearing No. 1	107KSFF
Bearing No. 2	205SF
Bearing No. 3	
Bearing No. 4	207SF
Drive Motor	
Manufacturer	Pacemaker (Louis-Allis)
Model Number	A26374J-F-4
Type	AJ4B
Frame	145TC
Voltage	230/460
Ambient	40°C
Front Bearing	203KD
External Bearing	207KD
Service Factor	1.0
Operating Instructions	C517
Phase	3
Hertz	60
Code	K
Windings	1
Horsepower	2.0
Revolutions Per Minute	1730
Amperage	7.4/3.7
Duty	Continuous
Design	B
Serial Number	02B4JCA00002
Operating Instructions	C517
Order Number	2209
Lightnin Order Number	M495215

LIME SLURRY TANK MIXER NO. 2 (SOUTH)

Manufacturer	Lightnin
Model Number	NLDG-200V
Serial Number	7617093
Belt Number	07P1-0012
Bearing No. 1	107KSFF
Bearing No. 2	205SF
Bearing No. 3	
Bearing No. 4	207SF
Drive Motor	
Manufacturer	Pacemaker (Louis-Allis)
Model Number	426374J-F-4
Type	AJ4B
Frame	145TC
Voltage	230/460
Ambient	40°C
Front Bearing	203KD
External Bearing	207KD
Phase	3
Hertz	60
Code	K
Winding	1

CONTROL BUILDING
OPERATING ROOM

LIME SLURRY TANK MIXER NO. 2 (SOUTH) - CONT'D

Drive Motor (Cont'd)

Revolutions Per Minute	1750
Amperage	7.4/3.7
Duty	Continuous
Design	B
Serial Number	02B4JCA00002
Order Number	2209
Lightnin Order Number	M 495215
Operating Instructions	C517

CONTROL BUILDING
CONTROL ROOM

(SUMP BASIN LOCATED BETWEEN FLASH MIXER NO. 2 AND AERATION TANK NO. 2)

SUMP PUMPS (BOTH PUMPS HAVE SAME DATA)

Manufacturer	Peerless
Model	VCSLMC-4
Serial Number	379566
Total Dynamic Head	30'
Revolutions Per Minute	1200
Gallons Per Minute	150
Impeller Number	P11131
Impeller Number	8 1/4 inches

SUMP PUMP MOTORS

Manufacturer	Baldor
Frame	215TC
Serial Number	576
Insulation Class	B
Specification Number	37L68-128
Horse Power	5
Revolutions Per Minute	1140
Voltage	230/460
Amperage	16/8
Cycles	60
Service Factor	1.0
Design	B
Code	K
Phase	3
Duty	Continuous
Ambient	40°C
Class	B

LIME SLURRY PUMPS (LOCATED BY LIME SLURRY VATS)

Manufacturer	Roper
Figure Number	71205 GNL
Serial Number	As Stated Below
Shipping Order	
Total Dynamic Head	
Revolutions Per Minute	84.4
Size	
Type	1
Purchase Order Number	
Gallons Per Minute	
Item Number	
Date	

PUMP SERIAL NUMBERS:	No. 1	Y1359
	No. 2	Y1360
	No. 3	Y1361

CONTROL BUILDING
CONTROL ROOM

MOTORS

Manufacturer	U. S. Electric
Frame	10/145T/5
Type	
Insulation Class	B
Identification Number	As Stated Below
Model Number	
Horse Power	2
Revolutions Per Minute	1730
Voltage	200/230/460
Amperage	7.62/6.88/3.44
Cycles	60
Service Factor	
Design	B
Code	M
Phase	3
Duty	40°C
Ambient	
Insulation	
Gear Ratio	5.07
Output Revolutions	84.4

MOTOR IDENTIFICATION NUMBERS:	No. 1	F6144-01-117
	No. 2	F6144-01-117
	No. 3	F6144-01-117

HYDROPNEUMATIC TANK

Manufacturer	Adamson
Inspectors Stamp	U
Division	1
Serial Number	2056-M
National Board Number	61199
Year Built	1976
Shell Working Pressure	150 PSIG
Shell Test Pressure	225 PSIG
Maximum Allowable Working	
Temperature	500°F
Shell Thickness	11/32"
Head Thickness	0.379"
Capacity	2115 Gallons
Tank Outside Diameter	72"
Overall Length	120"
Dish Radius	2.1"
Mercoid Control Switch No.	9/78
Switch Voltage	120
Switch Amperage	6
Switch Voltage	240
Switch Amperage	3
Type	125-2507 MLTF
Serial Number	2-S-34235
Maximum Pressure	150 PSIG

CONTROL BUILDING
CONTROL ROOM

LIME SLURRY VAT MIXERS

MIXER NO. 1

Manufacturer	Lightnin
Model	ND-1
Serial Number	7512814
Motor Number	5KH42JG391
Speed	1725 RPM
Horsepower	1/3
Voltage	115
Amperage	5.6
Hertz	60
Phase	1
Code	M
Time Rating	Continuous
Ambient Temperature	40°C
Insulation Class	A
Service Factor	1.0
Identification Number	231853AA
Model	HKL
Order Number	2209
Lightnin Order Number	M495216

MIXER NO. 2

Manufacturer	Lightnin
Model	ND-1
Serial Number	7511453
Motor Number	5KH42JG391
Speed	1725RPM
Horsepower	1/3
Voltage	115
Amperage	5.6
Hertz	60
Phase	1
Code	M
Time Rating	Continuous
Ambient Temperature	40°C
Insulation Class	A
Service Factor	F
Identification Number	231853AA
Model	ELL
Order Number	2209
Lightnin Order Number	M495216

MIXER NO. 3

Manufacturer	Lightnin
Model	ND-1
Serial Number	7512815
Motor Number	5KH42JG391
Speed	1725 RPM
Horsepower	1/3
Voltage	115
Amperage	5.6
Hertz	60
Phase	1

MIXER NO. 3 (CONT'D)

Motor Number (Cont'd)

Code	M
Time Rating	Continuous
Ambient Temperature	40°C
Insulation Class	A
Service Factor	F
Identification Number	231853AA
Model	HKL
Order Number	2209
Ligntnin Order Number	M495216

LIME SLAKER UNIT NO. 1 (WEST)

Model Number	41-22-0102
Serial Number	50314-1
Customer Purchase Order Number	5091
Bif Order Number	50314-N-0104

LIME SLAKER UNIT NO. 1 (WEST)

Lime Feeder

Manufacturer	BIF
Serial Number	50316-3
Model Number	25-12
Feeder Type	Helix

Slaker Mixing Motor

Manufacturer	General Electric
Model Number	5K145BL253D
Number	EMF
Horsepower	1 1/2
Service Factor	1.0
Voltage	230/460
Phase	3
Hertz	60
Amperage	5.2/2.6
Revolutions Per Minute	1735
Time Rating	Continuous
Ambient	40°C
Insulation Class	A
Design	B
Frame	145T
Type	K
Code	1
Stock Number	K-182
Shaft End Bearing	25BC02XP
Opposite End Bearing	17BC02XP

Grit Conveyor Motor

Manufacturer	General Electric
Model Number	5KC37KG252
Horsepower	1/4
Frame	56C
Revolutions Per Minute	1725
Phase	1
Insulation Class	A
Ambient	40°C
Stock Number	C366
Service Factor	1.0
Voltage	115/230
Code	M

CONTROL BUILDING
CONTROL ROOM

LIME SLAKER UNIT NO. 1 (WEST) - CONT'D

Grit Conveyor Motor (Cont'd)	
Amperage	5.2/2.6
Hertz	60
Time Rating	Continuous
Service Number	LMD
Grit Conveyor Speed Reducer	
Manufacturer	Winsmith
Model Number	3MGVD
Gear Ratio	600
Serial Number	B337-147-1
Input Revolutions Per Minute	1800 RPM
Service Factor	1
Date of Purchase	9/76
Input Horsepower	.23
Output Torque	850 in-lbs.

LIME SLAKER UNIT NO. 2 (EAST)

(Only changes from Unit No. 1 written below)

Grit Conveyor Speed Reducer	
Serial Number	B 373-147-1
Lime Feeder	50316-2

LIME SLAKER UNIT NO. 3 (MIDDLE)

(Only changes from Unit No. 1 written below)

Grit Conveyor Speed Reducer	
Serial Number	B 373-147-1
Lime Feeder	50316-1

CONTROL BUILDING
CONTROL ROOM

LIME SLAKERS - MISCELLANEOUS ITEMS

Water Gauges

Manufacturer	Erdco
Type	4L-402BR
Specific Gravity	1.0
Fluid	Water
Temperature	60°F
Pressure	125 psig - 200 psig
Serial Numbers	
Gauge No. 1	Top 77C94 Bottom 77C70
Gauge No. 2	Top 77B20 Bottom 77C69
Gauge No. 3	Top 77C92 Bottom 77C71

Pressure Reducers

Number 1

Manufacturer	ITT Lawler
Type	27
Serial Number	D-2965
Style	7167-02
Size	1-1/4
Range	20-70

Number 2

Manufacturer	Watson Mediniel
Style	B
Serial Number	A13517
Trim	Standard
Pressure Range	20/70
Maximum Pressure	300 PSIG

Number 3

Manufacturer	Watson Mediniel
Style	B
Serial Number	A13516
Trim	Standard
Pressure Range	20/70
Maximum Pressure	300 PSIG

CONTROL BUILDING
EMERGENCY GENERATOR ROOM

EMERGENCY GENERATOR SET

Generator

Manufacturer	Marathon Energy Convertor
Model Number	680FDF4435R199W
Frame	680-1
Phase	3
Serial Number	EJ-94206
Type	FDR
Revolutions Per Minute	1800
Hertz	60
Power Factor	0.8
Enclosure	Dripproof
Ambient	40°C
Kilowatt Hours	565
Voltage	277/480
Kilovoltamperage	706
Amperage	852
Field Amperage	2.3
Field Voltage	75
Ambient Rise	110
Shaff End Bearing	
Opposite End Bearing	77618
Insulation Class	F
Regulator Number	BASLER KR7F

Engine

Manufacturer	Caterpillar
Model Number	D348
High Idle Revolutions Per Minute	1800
Full Load Revolutions Per Minute	1800
Serial Number	36J2090
Horsepower	890
Fuel Setting (Static)	.700
Maximum Attitude	5000-N.

Day Tank

Manufacturer	Simplex
Model Number	SFT
Capacity	25 Gallons
Serial Number	30409

PLANT SITE
EMERGENCY GENERATOR

Radiator (Outside)

Manufacturer	Modine
Model Number	FK3-15
Part Number	1A9243G
Serial Number	0377-15765-01

Radiator Fan Motor (Outside)

Manufacturer	Lincoln Electric
Enclosure	Dripproof
Frame	284T
Revolutions Per Minute	1175
Serial	1636644
Horsepower	15
Phase	3
Insulation Type	B
Voltage	230/460
Amperage	46/23
Ambient	40°C
Hertz	60
Service Factor	1.15
Time Rating	Continuous
Lincoln Code	TV2628
Code	G
Design	B

Battery Charger

Manufacturer	LaMarche
Model	A46-6-32Y
Series	B1283
Input Voltage	120
Input Amperage	4
Direct Current Amperage	4
Phase	1
Cycles	50-60
Number of Cells	16
D. C. Voltage	32
Type	L.A.

PLANT SITE
RAW WATER PUMPS

(PUMPS LOCATED ON SITE WEST OF CONTROL BUILDING)

Customer Order Number	1175
Shop Order Number	303033
Manufacturer	Goulds
Model	VIT
Serial Number	As Stated Below
Total Dynamic Head	45
Size	8 x 12 JLC
Stage	Single
Purchase Order Number	1175
Gallons Per Minute	780
Item Number	1
Date	10/76

PUMP PUMP SERIAL NUMBERS:

No. 1	303033-5
No. 2	303033-3
No. 3	303033-4
No. 4	303033-6
No. 5	303033-2
No. 6	303033-1

PUMP MOTORS

Manufacturer	U. S. Electric
Frame	384TP
Type	TU
Insulation Class	B
Identification Number	As Stated Below
Model Number	B 33 60007-058
Horse Power	25
Revolutions Per Minute	1770
Voltage	230/460
Amperage	61/30.5
Cycles	60
Service Factor	1.0
Design	B
Code	H
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
Drive End Bearing	7310B-T
Opposite Drive Bearing	6210-J/C3
Coupling Number	A108186
Coupling Bore	1.188
Bracket Number	167558
Bracket Size	10"

MOTOR IDENTIFICATION NUMBERS:

No. 1	9701672-D-058-R2105876
No. 2	9701672-D-058-R2105880
No. 3	9701672-D-058-R2105878
No. 4	9701672-D-058-R2105879
No. 5	9701672-D-058-R2105881
No. 6	9701672-D-058-R2105877

PLANT SITE
UTILITY WATER PUMPS

(PUMPS LOCATED IN FINAL TANK)

Manufacturer	Gould
Model	VIT
Serial Number	As Stated Below
Total Dynamic Head	230'
Revolutions Per Minute	3500
Horse Power	5
Size	4 x 6 JHC
Stage	5
Purchase Order Number	1175
Gallons Per Minute	200
Item Number	2
Date	9/76

PUMP MOTORS

Manufacturer	U. S. Motor
Frame	254 TP
Type	AU
Insulation Class	B
Identification Number	As Stated Below
Model Number	As Stated Below
Horse Power	20
Revolutions Per Minute	3600
Voltage	460
Amperage	
Cycles	60
Service Factor	1.0
Code	
Phase	3
Duty	Continuous
Ambient	40°C

MOTOR SERIAL NUMBERS: No. 1 (South) 960464E-D-916-NRR
No. 2 (North) 9604642-D-916-NRR

MOTOR IDENTIFICATION NUMBERS: No. 1 (South) R2101143-R997237-S
No. 2 (North) R2101144-R997237-S

PUMP SERIAL NUMBERS: No. 1 (South) 303034-2
No. 2 (North) 303034-1

PLANT SITE
AERATION TANK NO. 1

AERATOR NO. 1 (WEST OF CONTROL BUILDING)

Manufacturer	Lightnin
Model	86Q25
Serial Number	7600809
Ratio	30.2
Output-Revolutions Per Minute	56

AERATOR MOTOR NO. 1

Manufacturer	Reliance
Frame	284T
Type	P
Insulation Class	B
Identification Number	P28G311-G22-Mz
Horse Power	25
Revolutions Per Minute	1765
Voltage	230/460
Amperage	64/32
Cycles	60
Service Factor	1.0
Design	B
Code	F
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	50BC03XPP3M
Opposite End Bearing	30BC02XPP3M
Order Number	2209
Lightnin Order Number	M495217

PLANT SITE
AERATION TANK NO. 2

AERATOR NO. 2 (EAST OF CONTROL BUILDING)

Manufacturer	Lightnin
Model	86Q25
Serial Number	7600808
Ratio	30.2
Output-Revolutions Per Minute	56

AERATOR MOTOR NO. 2

Manufacturer	Reliance
Frame	284T
Type	P
Insulation Class	B
Identification Number	P28G3110-G7-Mz
Horsepower	25
Revolutions Per Minute	1765
Voltage	230/460
Amperage	64/32
Cycles	60
Service Factor	1.0
Design	B
Code	F
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	50BC03XPP3M
Opposite End Bearing	30BC02XPP3M
Order Number	2209
Lightnin Order Number	M495217

PLANT SITE
SETTLING TANK NO. 1

(LOCATED OFF NORTHWEST CORNER OF CONTROL BUILDING)

(ALL SETTLING TANK EQUIPMENT MANUFACTURED BY) Purchase Order No. 2215
(ENVIRONMENTAL ELEMENTS-DIVISION OF KOPPERS) Env. El. Corp. Order
No. 453234

SCRAPER DRIVE - GEAR REDUCER NO. 1

Manufacturer	Cone Drive
Model Number	OVS-49878B-CJU
Serial Number	293X
Torque	810.574 IN. #
Revolutions Per Minute	23
Class	5
Ratio	20 x 25 500-1
Agma Lube	8A

SCRAPER DRIVE - CHAIN DRIVE NO. 1

Manufacturer	Cone Drive
Model Number	MU-250600-AJ
Serial Number	38887
Horse Power	1.30
Revolutions Per Minute	1750
Class	1
Ratio	4 x 15 60-1
Agma Lube	8

SCRAPER DRIVE CHAIN DRIVE MOTOR NO. 1

Manufacturer	Louis Allis "Pacemaker"
Frame	145TDZ
Type	CE4B
Insulation Class	B 40B
Model Number	4L08055003
Horse Power	1.5
Revolutions Per Minute	1740
Voltage	230/460
Amperage	6.4/3.2
Cycles	60
Service Factor	1.0
Design	B
Code	K
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	203S
Opposite Drive Bearing	205S
Underwriters Label	K 424867

PLANT SITE
SETTLING TANK NO. 1

SCRAPER - LIFT MECHANISM NO. 1

Manufacturer	Cone Drive
Model Number	MU250720-EJ
Serial Number	38893X
Horsepower	0.9
Revolutions Per Minute	1750
Ratio	1.8 x 40 721
Class	1
Agma Lube	8

LIFT MECHANISM MOTOR NO. 1

Manufacturer	General Electric
Frame	143TDZ
Type	KR
Insulation Class	B
Identification	BMF
Model Number	5KR143WL2230
Horse Power	1
Revolutions Per Minute	1680
Voltage	230/460
Amperage	3.3/1.65
Cycles	60
Service Factor	1.0
Design	D
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
NOTE AT BOTTOM:	SPL WDG Treat
	Lube Chevron SR1-2
Time Rating	30 Minutes

PLANT SITE
SETTLING TANK NO. 2

(LOCATED AT SOUTHWEST CORNER OF CONTROL BUILDING)

SCRAPER DRIVE - GEAR REDUCER NO. 2

Manufacturer	Cone Drive
Model Number	OVS-49878B-CJU
Serial Number	295X
Tor que	810.574 IN. #
Revolutions Per Minute	23
Class	1
Ratio	20 x 25 500-1
Agma Lube	8A

SCRAPER DRIVE - CHAIN DRIVE NO. 2

Manufacturer	Cone Drive
Model Number	MU-250600-AJ
Serial Number	38889
Horse Power	1.30
Revolutions Per Minute	1750
Class	1
Ratio	4 x 15 60-1
Agma Lube	8

SCRAPER DRIVE CHAIN DRIVE MOTOR NO. 2

Manufacturer	Louis Allis "Pacemaker"
Frame	145TD2
Type	CE4B
Insulation Class	B 40B
Model Number	4L08055006
Horse Power	1.5
Revolutions Per Minute	1740
Voltage	230/460
Amperage	6.4/3.2
Cycles	60
Service Factor	1.0
Design	B
Code	K
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	203S
Opposite Drive Bearing	205S
Operating Instruction	C519

PLANT SITE
SETTLING TANK NO. 2

SCRAPER - LIFT MECHANISM NO. 2

Manufacturer	Cone Drive
Model Number	MU250720-EJ
Serial Number	38891X
Horse Power	0.9
Revolutions Per Minute	1750
Ratio	1.8 x 40; 72-1
Class	1
Agma Lube	8

LIFT MECHANISM MOTOR NO. 2

Manufacturer	General Electric
Frame	143TDZ
Type	KR
Insulation Class	B
Identification Number	BMF
Model Number	5KR143WL2230
Horse Power	1
Revolutions Per Minute	1680
Voltage	230/460
Amperage	3.3/1.65
Cycles	60
Service Factor	1.0
Design	D
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
NOTE AT BOTTOM:	SPL WDG TREAT
	LUBE CHEVRON SR 1-2
Time Rating	30 minutes

PLANT SITE
SETTLING TANK NO. 3

(LOCATED OFF NORTHEAST CORNER OF CONTROL BUILDING)

SCRAPER DRIVE - GEAR REDUCER NO. 3

Manufacturer	Cone Drive
Model Number	OVS-49878B-CJU
Serial Number	294X
Torque	810.474 IN. #
Revolutions Per Minute	23
Class	5
Ratio	20 x 25; 500-1
Agma Lube	8A

SCRAPER DRIVE CHAIN DRIVE NO. 3

Manufacturer	Cone Drive
Model Number	MU-250600-AJ
Serial Number	38888
Horse Power	1.30
Revolutions Per Minute	1750
Class	1
Ratio	4 x 15; 60-1
Agma Lube	8

SCRAPER DRIVE CHAIN DRIVE MOTOR NO. 3

Manufacturer	Louis Allis "Pacemaker"
Frame	145TDZ
Type	CE4B
Insulation Class	C 40B
Model Number	4L08055004
Horse Power	1.5
Revolutions Per Minute	1740
Voltage	230/460
Amperage	6.4/3.2
Cycles	60
Service Factor	1.0
Design	B
Code	K
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	203S
Opposite End Bearing	205S
Operating Instruction	C519
Windings	1
Underwriters Label	K 424869

PLANT SITE
SETTLING TANK NO. 3

SCRAPER - LIFT MECHANISM NO. 3

Manufacturer	Cone Drive
Model Number	MU250770-EJ
Serial Number	38894X
Horse Power	0.9
Revolutions Per Minute	1750
Ratio	1.8 x 40; 72-1
Class	1
AGMA Lube	8

LIFT MECHANISM MOTOR NO. 3

Manufacturer	General Electric
Frame	143T07
Type	KR
Insulation Class	B
Identification Number	5KR143WL2230
Model Number	BMF
Horse Power	1
Revolutions Per Minute	1680
Voltage	230/460
Amperage	3.3/1.65
Cycles	60
Service	1.0
Design	D
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
NOTE ON BOTTOM:	SPL WDG TREAT LUBE CHEVRON SR1-2
Time Rating	30 Minutes

PLANT SITE
SETTLING TANK NO. 4

(LOCATED OFF SOUTHEAST CORNER OF CONTROL BUILDING)

SCRAPER DRIVE - GEAR REDUCER NO. 4

Manufacturer	Cone Drive
Model Number	CVS-49878B-CJU
Serial Number	296X
Torque	810.574 IN. #
Revolutions Per Minute	23
Class	1
Ratio	20 x 25, 500-1
Agma Lube	8A

SCRAPER DRIVE - CHAIN DRIVE NO. 4

Manufacturer	Cone Drive
Model Number	MU-250600-AJ
Serial Number	38890
Horse Power	1.30
Revolutions Per Minute	1750
Class	1
Ratio	4 x 15; 60-1
Agma Lube	8

SCRAPER DRIVE CHAIN DRIVE MOTOR NO. 4

Manufacturer	Louis Allis "Pacemaker"
Frame	145TDZ
Type	CE4B
Insulation Class	B
Model Number	4K08884003
Horse Power	1.5
Revolutions Per Minute	1740
Voltage	230/460
Amperage	6.4/3.2
Cycles	60
Service Factor	1.0
Design	B
Code	K
Phase	3
Duty	Continuous
Ambient	40°C
Drive End Bearing	203S
Opposite End Bearing	205S
Operating Instructions	C519

PLANT SITE
SETTLING TANK NO. 4

SCRAPER - LIFT MECHANISM NO. 4

Manufacturer	Cone Drive
Model Number	MU250720-EJ
Serial Number	38892X
Horse Power	0.9
Revolutions Per Minute	1750
Ratio	1.8 x 40; 72-1
Class	1
AGMA Lube	8

LIFT MECHANISM MOTOR NO. 4

Manufacturer	General Electric
Frame	143TDZ
Type	KR
Insulation Class	B
Identification Number	5KR143WL2230
Model Number	BMF
Horse Power	1
Revolutions Per Minute	1680
Voltage	230/460
Amperage	3.3/1.65
Cycles	60
Service Factor	1.0
Design	D
Code	J
Phase	3
Duty	Continuous
Ambient	40°C
Insulation	B
NOTE AT BOTTOM:	SPL-WDG TREAT LUBE CHEVERON SRL-2
Time Rating	30 Minutes

PLANT SITE
SLUDGE RECIRCULATION PUMPS

(ONE LOCATED IN EACH SETTLING TANK SLUDGE BOX)
(TWO STORED IN CONTROL BUILDING)

Manufacturer	Pollution Equipment Control
Model	FA100-420
Serial Number	As Stated Below
Total Dynamic Head	45'
Revolutions Per Minute	1740
Size	4"
Stage	Single
Gallons Per Minute	400

PUMP SERIAL NUMBERS:

No. 1	140099
No. 2	140067
No. 3	140101
No. 4	140460
No. 5	140096 (Stored)
No. 6	140098 (Stored)

PUMP MOTORS

Manufacturer	Pollution Equipment Control
Insulation Class	F
Horse Power	12.8
Revolutions Per Minute	1740
Voltage	460
Amperage	17.5 (Max)
Cycles	60
Service Factor	1.0
Design	B
Phase	3
Duty	Continuous

MOTOR IDENTIFICATION NUMBERS:

No. 1	FK 20.1-4/17
No. 2	FK 20.1-4/17
No. 3	FK 20.1-4/17
No. 4	FK 20.1-4/17
No. 5	FK 20.1-4/17
No. 6	FK 20.1-4/17

PLANT SITE
SLUDGE WELL NO. 1

(LOCATED WEST OF CONTROL BUILDING)

SLUDGE DISPOSAL PUMP NO. 1

Manufacturer	Pollution Equipment Control
Model	FA100-425
Serial Number	140463
Total Dynamic Head	65'
Revolutions Per Minute	1740
Size	4"
Stage	Single
Gallons Per Minute	400

PUMP MOTOR NO. 1

Manufacturer	Pollution Equipment Control
Type	SO
Insulation Class	F
Identification Number	FK20.1-4/22
Horse Power	18.4
Revolutions Per Minute	1740
Voltage	460
Amperage	25 (Max)
Cycles	60
Service Factor	1.0
Design	B
Phase	3
Duty	Continuous

PLANT SITE
SLUDGE WELL NO. 2

(LOCATED EAST OF CONTROL BUILDING)

SLUDGE DISPOSAL PUMP NO. 2

Manufacturer	Pollution Equipment Control
Model	FA100-425
Serial Number	140462
Total Dynamic Head	65'
Revolutions Per Minute	1740
Size	4"
Stage	Single
Gallons Per Minute	400

PUMP MOTOR NO. 2

Manufacturer	Pollution Equipment Control
Type	SO
Insulation Class	F
Identification Number	FK20.1-4/22
Horse Power	18.4
Revolutions Per Minute	1740
Voltage	460
Amperage	25 (Max)
Cycles	60
Service	1.0
Design	B
Phase	3
Duty	Continuous

(SLUDGE DISPOSAL PUMPS STORED IN CONTROL BUILDING)

SLUDGE PUMP NO. 3 SERIAL NUMBER	140101
MOTOR NO. 3 IDENTIFICATION NUMBER	FK20.1-4/22
SLUDGE PUMP NO. 4 SERIAL NUMBER	140100
MOTOR NO. 4 IDENTIFICATION NUMBER	FK20.1-4/22

CONTROL BUILDING
CONTROL ROOM

POTABLE WATER SYSTEM

Pressure Pump Type	Jet
Manufacturer	Goulds
Serial Number	J03N-W-11744
Motor	
Thermally Protected	J
Model	S48H2DB145
Serial Number	C77
Voltage	115
Horsepower	1/3
Amperage	6.5
Phase	1
Code	S
Revolutions Per Minute	3450
Frame	56J
Cycles	60
Amperage	8.4
Service Factor	1.8
Insulation Class	A
Ambient	40° C
Duty	Continuous
Type	U.S.
Manufacturer	A.O. Smith Corp.
Pressure Tank	
Model	X Trol
Manufacturer	Amtrol
Model	WX-203
Serial Number	8205107

CHEMICAL STORAGE BIN

Lime Level Indicator	
Manufacturer	Monitor
Voltage	110
Cycles	60
Phase	1
Wattage	2.7
Model	KA
Serial Number	
Bin No. 1	112642 (High)
	106353
	106355
	106356
	106350 (Low)
Bin No. 2	112644 (High)
	106351
	106349
	106354
	106352 (Low)

CONTROL BUILDING

CONTROL EQUIPMENT

pH Meter Number 1	
Manufacturer	Fisher-Porter Co.
Model	17PH1231AXB21X
Serial Number	7510A4595-J50
pH Meter Number 2	
Manufacturer	Fisher-Porter Co.
Model	17PH1231AXB21X
Serial Number	7510A4595-J49
Raw Water Flow Meter #1	
Manufacturer	Fisher-Porter Co.
Figure Number	10F12723
Serial Number	7510A4595-J1
Raw Water Flow Meter #2	
Manufacturer	Fisher-Porter Co.
Figure Number	10F12723
Serial Number	7510A4595-J2
Sludge Recirculation Meter #1	
Manufacturer	Fisher-Porter Co.
Serial Number	7510A4595-J12
Sludge Recirculation Meter #2	
Manufacturer	Fisher-Porter Co.
Serial Number	7510A4595-J11
Air Flow Meter #1	
Manufacturer	Fisher-Porter Co.
Serial Number	7510A4595-J44
Reading	0 to 100%
Model	55PD1121B11X
Output	4 to 20 ma D.C.
Air Flow Meter #2	
Manufacturer	Fisher-Porter Co.
Serial Number	7510A4595-J-42
Reading	0 to 100%
Model	55 PD1121B11X
Output	4 to 20 ma D.C.

CONTROL BUILDING

Instrument Manifold

Manufacturer	Anderson Greenwood & Co.
Type	Assembly
	M1VC-4
Serial Number	02-8155-500
Pressure	6000 psi
Temperature	200 °F
Body	Steel
Trim	303

Cell

Type	50DF
Model Number	2212-ABB
Body Temperature Limits	-40 °C to 160 °C
Ambient Temp. Limits	-40 °C to 100 °C
Process Connection	
Serial Number #1	7510A4595-J39
Serial Number #2	7510A4595-J40
Diaphragm	Damping
Supply Current	24 Volts D.C.
Output Current	4 to 20 ma D.C.
Range	20 inches
Type	Flanged
Material	Steel-Cadmium Plated

CONTROL BUILDING
CONTROL ROOM

LIME SCREW CONVEYOR

Manufacturer	Winsmith Gear Box
Model	4MST
Ratio	25
Serial Number	B349-3-16-2
Input Revolutions Per Minute	1800
Input Horsepower	1.46
Service Factor	1
Output Torque	97.7
Date	4/76
Motor	
Manufacturer	Seco Electronics Corp.
Specification	28F43-12308
Frame	184C-6229D
Horsepower	1
Voltage	9.0 A/100F
Amperage	10/.55
Revolutions Per Minute	1750
Cycles	D.C.
Service Factor	1.0
Rating	55 °C
Serial Number	875
Catalog Number	FC
Connection	SH
Class	B

CONTROL BUILDING
OPERATING ROOM

HOIST

Manufacturer	Dresser
Serial Number	326151-13
Type	HD-1300
Series Number	441147-1
Catalog Number	110113.20L
Division Order Number	D 10206
Operations Order Number	L6-98830
Load Lifter	
Serial Number	L6-98830
Model Number	110113-20
Capacity	4000 pounds
Lifting Speed	24 feet per minute
Crane & Trolley Drive	
Manufacturer	Louden
Model	3HL 107
Style	7755
Ratio	50.0
Motor	
Manufacturer	Baldor
Specification	35B15-86
Frame	56C 513M
Horsepower	3/4
Voltage	208-220/440
Amperage	3.2-3.0/1.5
Revolutions Per Minute	1750
Cycles	60
Phase	3
Class	A
Service Factor	1.25
Design	B
Code	K
Rating	40 °C
Catalog Number	VWM3112
Serial Number	475

PLANT SITE

YARD LIGHTS

Manufacturer	Crouse-Hinds
Type	GAL
Shipping	7/76
Catalog Number	CALR-4LECB-PC
Line Voltage	480
Amperage	1.1
Cycles	60
Lamp Code	LU400

SLUDGE WASTE VALVES (SETTLING TANKS)

Manufacturer	Ramcon
Model	901BR4
Voltage	120
Amperage	3.9
Cycles	60
Serial Numbers	
Valve #1	27319
Valve #2	27319
Valve #3	27319
Valve #4	27319