

=====

NETWORK 0001 Segment: 01

OX & 4X ADDRESS BLOCKS---  
- XXX5XX FROM SCADA - XXX6XX TO SCADA  
- XXX700+ TO CF1 - XXX750+ FROM CF1  
- XXX800+ TO CF2 - XXX850+ FROM CF2

1	2	3	4
AA	AA	AA	AA
SLUDGE STORAGE TANK LEVEL OOD1106	SLUDGE STORAGE TANK LEVEL OOD1106	PCFL SCALING FOR SLUDGE TANK LEVEL #0031	SLUDGE STORAGE TANK LEVEL 40212
SLDG. TANK. 1. LVL . RAW	SLDG. TANK. 1. LVL . RAW	PCFL SCALING FOR SLUDGE TANK LEVEL #0000	SLUDGE STORAGE TANK LEVEL x10
#0000	#0000	40200	SLDG. TANK. 1. LVL . SCL
SLUDGE STORAGE TANK LEVEL TO SCADA SUB SC. SLDG. TANK. 1. LVL. RAW	PCFL SCALING FOR SLUDGE TANK LEVEL SUB 40200	PCFL #0014	FTOI #0001

















NETWORK 0010 Segment: 01

3				
3				
3				
3				
3				
3				
3				
3				
1	AA			
3	3	3	3	3
3				
3				
3				
3				
3	3 CENTRATE PUMP	3 CENTRATE PUMP	3	3 PCFL SCALING
3	3 STATION FLOW	3 STATION FLOW	3	3 FOR CENTRATE
3	3 OOD1107	3 OOD1107	3	3 FLOW
2	AA	AA	AA	AA
3	3 CENT. FLOW. RAW	3 CENT. FLOW. RAW	3 #0031	3 40392
3	3 30011	3 30011	3	3
3	3	3	3	3
3	3	3	3	3
3	3	3	3	3
3	3	3	3	3
3	3	3	3	3
3	3	3	3	3
3A	-	-	-	-
3	3 #0000	3 #0000	3 40380	3 CENT. FLOW. SCL
3	3	3	3	3 40123
3	3	3	3	3
3	3	3	3	3
3	3 CENTRATE PUMP	3 PCFL SCALING	3	3
3	3 STATION FLOW	3 FOR CENTRATE	3	3
3	3 TO SCADA	3 FLOW	3	3
3	3 SUB	3 SUB	3	3
4	AA	AA	AA	AA
3	3 SC. CENT. FLOW. RA	3 40380	3 #0014	3 FTOI
3	3 W			3 #0001
3				
3				









NETWORK 0015 Segment: 01

```

3
3
3
3
3
3
3 SLUDGE PUMP 2                                SLUDGE PUMP 2
3   RUNNING                                     RUNNING TO
3   OOD1103                                       SCADA
1AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3 SLDG. PUMP. 2. RUN                               SC. SLDG. PUMP. 2.
3   NG                                             RUNNG
3
3
3 SLUDGE PUMP 2                                SLUDGE PUMP 2
3   FAIL                                         FAIL TO SCADA
3   OOD1103                                       SC. SLDG. PUMP. 2.
2AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3 SLDG. PUMP. 2. FAI                               FAIL
3   L
3
3 SLUDGE PUMP 2                                SLUDGE PUMP 2
3   VFD IN REMOTE                               VFD IN REMOTE
3   OOD1103                                       TO SCADA
3AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3 SLDG. PUMP. 2. RMT                               SC. SLDG. PUMP. 2.
3   10007                                         RMT
3
3 SLUDGE PUMP 2                                SLUDGE PUMP 2
3   HIGH DISCH                                  HIGH DISCH PR
3   PRESS                                       ESS TO SCADA
4AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3 SLDG. PUMP. 2. PRE                               SC. SLDG. PUMP. 2.
3   SS. HI                                       PRESS. HI
3
3 00605                SLUDGE PUMP 2  RUNNING TO    SCADA
3
3 00606                SLUDGE PUMP 2  FAIL TO SCADA
3
3 00607                SLUDGE PUMP 2  VFD IN REMOTE  TO SCADA
3
3 00608                SLUDGE PUMP 2  HIGH DISCH PR  ESS TO SCADA
3

```







AVONDALE  
POLYMER STATUS

NETWORK 0019 Segment: 01

```

3
3
3
3
3
3 POLYMER SYSTEM                                POLYMER SYSTEM
3   RUNNING                                     RUNNING TO SC
3   OOD1103                                       ADA
1AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. SYST. RUNN                            SC. PLYMR. SYST. R
3   G.                                             UNNG.
3
3
3
3 POLYMER ALARM                                POLYMER ALARM
3   OOD1103                                       TO SCADA
2AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. SYST. ALRM                            SC. PLYMR. SYST. A
3   .                                             LRM.
3
3
3
3 SYSTEM FAILURE                              SYSTEM FAILURET
3   OOD1103                                       TO SCADA
3AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. SYST. FAIL                            SC. PLYMR. SYST. F
3   .                                             AIL.
3
3
3
3 LOW WATER PRESS                             LOW WATER PRESS
3   OOD1103                                       TO SCADA
4AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. WATER. PRE                            SC. PLYMR. WATER.
3   SS. LO                                       PRESS. LO
3
3
3
3 HOPPER LOW                                  HOPPER LOW LEVEL
3   LEVEL                                       TO SCADA
3   OOD1103                                       ADA
5AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. HOPPR. LVL                            SC. PLYMR. HOPPR.
3   . LO                                       LVL. LO
3
3
3
3 CONVEYOR LINE                              CONVEYOR LINE
3   BLOCKAGE                                    BLOCKAGE TO S
3   OOD1103                                       CADA
6AAA] [AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA( )AAAAAAAAAAAAAAAA
3   PLYMR. CONVYR. BL                            SC. PLYMR. CONVYR
3   OCKED                                       . BLOCKED
3
3 00612                                POLYMER SYSTEM  RUNNING TO SC ADA
3
3 00613                                POLYMER ALARM   TO SCADA
3
3 00614                                SYSTEM FAILURET TO SCADA
3
3 00615                                LOW WATER PRESS TO SCADA
3
3 00616                                HOPPER LOW LEVEL TO SCADA
3
3 00617                                CONVEYOR LINE  BLOCKAGE TO S CADA
3

```







AVONDALE  
POLYMER P1 STATUS  
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NETWORK 0023 Segment: 01

```

3
3
3
3
3
3 FEED PUMP 1 FEED PUMP 1
3 RUNNING RUNNING TO
3 OOD1103 SCADA
1AAA] [AAAAA] SC. PLYMR. PUMP. 1
3 PLYMR. PUMP. 1. RU . RUNNG
3 NNG
3
3 LOW POLYMER LOW POLYMER
3 PRESS PUMP 1 PRESS PUMP 1
3 OOD1103 TO SCADA
2AAA] [AAAAA] SC. PLYMR. PUMP. 1
3 PLYMR. PUMP. 1. PR . PRESS. LO
3 ESS. LO
3
3 LOW POLYMER LOW POLYMER
3 FLOW PUMP 1 FLOW PUMP 1 TO
3 OOD1103 SCADA
3AAA] [AAAAA] SC. PLYMR. PUMP. 1
3 PLYMR. PUMP. 1. FL . FLOW. LO
3 OW. LO
3
3 POLYMER FEED POLYMER FEED
3 PUMP 1 HIGH PUMP 1 HIGH
3 PRESS PRESS TO SCADA
4AAA] [AAAAA] SC. PLYMR. PUMP. 1
3 PLYMR. PUMP. 1. PR . PRESS. HI
3 ESS. HI
3
3 00620 FEED PUMP 1 RUNNING TO SC ADA
3
3 00621 LOW POLYMER PRESS PUMP 1 TO SCADA
3
3 00622 LOW POLYMER FLOW PUMP 1 T O SCADA
3
3 00656 POLYMER FEED PUMP 1 HIGH PRESS TO SC ADA
3

```





AVONDALE  
CF1 STATUS

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NETWORK 0026 Segment: 01

3		
3		
3		
3		
3	BIT FROM CF1	
3	FIRST DEVICE ON	CENTRIFUGE
3	AND LAST OFF	RUNNING TO
3		SCADA
3	57.1	56.3
3	56.5	
1AAA	[AAAAAAAAAAAAAAAA] \ [AAAAAAAAAAAAAAAA] \ [AAAAAAAAAAAAAAAA]	AAA( ) AAAAAAAAAAAA
3	CF1.LubePumpRun	CF1.OIT_AutoSta
3	In	rtLt
3		pLt
3		SC. CF1. RUNNG
3		00668
3		
3	BIT FROM CF1	
3	59.1	56.5
2AAA	[AAAAAAAAAAAAAAAA] \ [AAAAAAAAAAAAAAAA]	AAA( ) AAAAAAAAAAAA
3	CF1.CV1000penLS	CF1.OIT_AutoSto
3	00769	pLt
3		SC. CF1. FEED. EN
3		00669
3		
3	BIT FROM CF1	
3	59.1	
3AAA	[AAAAAAAAAAAAAAAA]	AAA( ) AAAAAAAAAAAA
3	CF1.CV1000penLS	
3	00769	
3		SC. CF1. CAKE. CON
3		VY. EN
3		
3	BIT FROM CF1	
3	56.5	
4AAA	[AAAAAAAAAAAAAAAA]	AAA( ) AAAAAAAAAAAA
3	CF1.OIT_AutoSto	
3	pLt	
3		SC. CF1. CIP. RUNN
3		G
3		
3		
5A		
3		
3		
3		
3		
3	BIT FROM CF1	
3	54.5	
6AAA	[AAAAAAAAAAAAAAAA]	AAA( ) AAAAAAAAAAAA
3	CF1.Common-Alarm	
3	m	
3		SC. CF1. SYST. ALM
3		00673
3	00668	CENTRIFUGE RUNNING TO SC ADA
3	00669	14.1 - ][-, 17.3 - ][-
3	00670	ENABLE FEED TO SCADA
3	00671	ENABLE CAKE CONV SYSTEM T O SCADA
3	00672	CLEAN IN PLACE RUNNING TO SC ADA
3	00673	COMMON FAIL TO SCADA
3		COMMON ALARM TO SCADA

NETWORK 0027 Segment: 01

```

3
3
3
3
3
3
3     MAIN DRIVE
3     MOTOR CURRENT
3     FR CF1
1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3     CF1. MAIN. MOTOR.
3     CURRENT. U
3
3
3
3
3
3
2A     /
3     #0000
3
3
3     MAIN DRIVE
3     MOTOR CURRENT
3     TO SCADA
3A     SUB
3     SC. CF1. MAIN. MOT
3     OR. CURRENT
3
3
3
3
3
3     GEAR BEARING
3     TEMP FR CF1
4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3     CF1. GEAR. BRG. TE
3     MP. U
3
3
3
3
3
3
5A     /
3     #0000
3
3
3     BEARING TEMP
3     SOLID SIDE TO
3     SCADA
6A     SUB
3     SC. CF1. BEARING.
3     SLD. TEMP
3

```

AVONDALE

CF1 VALUES

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|||||

NETWORK 0028 Segment: 01

```

3
3
3
3
3
3
3
3
DRIVE BEARING
TEMP FR CF1
1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3      CF1. DRIVE. BRG. T
3      EMP. U
3
3
3
3
3
3
3
2A      /      AA
3      #0000
3
3
3      BEARING TEMP
3      LIQUID SIDE TO
3      SCADA
3A      SUB      AA
3      SC. CF1. BEARING.
3      LIQ. TEMP
3
3
3
3
3
3
3
3
BOWL SPEED
SETPOINT FR CF1
4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3      CF1. BOWL. SPEED
3      SP. U
3
3
3
3
3
3
3
3
5A      /      AA
3      #0000
3
3
3
3
3      BOWL SPEED
3      (RPM) TO SCADA
6A      SUB      AA
3      SC. CF1. BOWL. SPE
3      ED
3
3
  
```



NETWORK 0030 Segment: 01

```

3
3
3
3
3
3
3 BIT FROM CF2
3 67.1 VALVE CV-201
1AAA] [AAAAAAAAAAAA] OPEN TO SCADA
3 CF2. CV1000penLS SC. CFG2. VLV. 201
3 00869 . OPND
3
3
3 BIT FROM CF2
3 67.3 VALVE CV-201
2AAA] [AAAAAAAAAAAA] CLOSED TO SCADA
3 CF2. CV100Cl osed SC. CFG2. VLV. 201
3 LS . CLSD
3
3
3 BIT FROM CF2
3 66.5 VALVE CV-201 IN
3AAA] [AAAAAAAAAAAA] REMOTE TO SCADA
3 CF2. CV100Remote SC. CFG2. VLV. 201
3 00868 . RMT
3
3
3 BIT FROM CF2
3 66.3 EMERGENCY STOP
4AAA] [AAAAAAAAAAAA] TO SCADA
3 CF2. EmergencySt SC. CF2. ESTOP
3 opI n 00674
3
3
3 BIT FROM CF2
3 64.3 CENTRI FUGE
5AAA] [AAAAAAAAAAAA] STARTING TO
3 CF2. OIT_AutoSta SCADA
3 rtLt SC. CF2. STARTING
3 00675
3
3
3 BIT FROM CF2 BIT FROM CF2
3 67.1 66.5 ENABLE POLYMER
6AAA] [AAAAAAAAAAAA] [AAAAAAAAAAAA] TO SCADA
3 CF2. CV1000penLS CF2. CV100Remote SC. CF2. PLYMR. EN
3 00869 00868 00676
3
3 00627 VALVE CV-201 OPEN TO SCADA
3
3 00628 VALVE CV-201 CLOSED TO SCA DA
3
3 00629 VALVE CV-201 IN REMOTE TO SCA DA
3
3 00674 EMERGENCY STOP TO SCADA
3
3 00675 CENTRI FUGE STARTING TO S CADA
3
3 00676 21.4 -][-, 22.2 -][[- ENABLE POLYMER TO SCADA
3

```





AVONDALE  
CF2 VALUES

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NETWORK 0033 Segment: 01

```

3
3
3
3
3
3
3
3
DRIVE BEARING
TEMP FR CF2
1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3CF2. DRIVE. BRG. T 3
3EMP. U 3
3 3
3 3
3 3
3 3
3 3
2A / AA
3 #0000 3
3 3
3 3
3 BEARING TEMP 3
3 LIQUID SIDE T 3
3O SCADA 3
3A / SUB AA
3 SC. CF2. BEARING. 3
3 LIQ. TEMP 3
3
3
3
3
BOWL SPEED
SETPOINT FR CF2
4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3CF2. BOWL. SPEED. 3
3SP. U 3
3 3
3 3
3 3
3 3
3 3
5A / AA
3 #0000 3
3 3
3 3
3 BOWL SPEED 3
3 (RPM) TO SCAD 3
3A / SUB 3
6A / SUB AA
3 SC. CF2. BOWL. SPE 3
3 ED 3
3

```

NETWORK 0034 Segment: 01

```

3
3
3
3
3
3
3
3
3
3
HYDRAULIC
PRESSURE FR CF2
1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3CF2. HYD. PRESS. U
340855
3
3
3
3
3
3
3
2A
3/
3#0000
3
3
3
3BACK DRIVE
3HYDRAULIC PRESS
3TO SCADA
3SUB
3SC. CF2. BACK. HYD
3PRESS
3
3
3
3
3
3
3
3
3
3
3
3
DIFF SPEED (x10
RPM) FR CF2
4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3CF2. SPEED. DI FF
3U
3
3
3
3
3
3
5A
3/
3#0000
3
3
3
3
3DIFF SPEED
3(RPM) TO SCAD
3A
3SUB
3SC. CF2. SPEED. DI
3FF
3

```

NETWORK 0035 Segment: 01

3			
3			
3			
3			
3			
3	DIST CONVEYOR 1		DIST CONVEYOR 1
3	MOTOR FAIL		MOTOR FAIL TO
3	OOD1104		SCADA
1	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. DIST1. MOTO		SC. CNVY. DIST1. M
3	R. FAIL		OTOR. FAIL
3			
3			
3	DIST CONVEYOR 1		DIST CONVEYOR 1
3	RUNNING		RUNNING TO
3	OOD1104		SCADA
2	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. DIST1. MOTO		SC. CNVY. DIST1. M
3	R. RUNNG		OTOR. RUNNG
3			
3			
3	DIST CONVEYOR 1		DIST CONVEYOR 1
3	AUTO MODE		AUTO MODE TO
3	OOD1104		SCADA
3	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. DIST1. SYST		SC. CNVY. DIST1. S
3	. AUTO		YST. AUTO
3			
3			
3	COLLECTION		COLLECTION
3	MOTION SENSOR		CONVEYOR MOTOR
3	OOD1104		FAIL TO SCADA
4	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. COLL. MOTOR		SC. CNVY. COLL. MO
3	. FAIL		TOR. FAIL
3			
3			
3	COLLECTION		COLLECTION
3	CONVEYOR		CONVEYOR
3	RUNNING		RUNNING TO
3	OOD1104		SCADA
5	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. COLL. MOTOR		SC. CNVY. COLL. MO
3	. RUNNG		TOR. RUNNG
3			
3			
3	COLLECTION		COLLECTION
3	CONVEYOR AUTO		CONVEYOR AUTO
3	MODE		MODE TO SCADA
3	OOD1104		SCADA
6	AAA] [AAAAAAAAAAAA		AAA( )AAAAAAAAAAAA
3	CNVY. COLL. SYST.		SC. CNVY. COLL. SY
3	AUTO		ST. AUTO
3			
3	00637	DIST CONVEYOR 1	MOTOR FAIL TO SCADA
3	00636	DIST CONVEYOR 1	RUNNING TO SC ADA
3	00638	DIST CONVEYOR 1	AUTO MODE TO SCADA
3	00634	COLLECTION	CONVEYOR MOTO R FAIL TO SCA DA
3	00633	COLLECTION	CONVEYOR RUNN ING TO SCADA
3	00635	COLLECTION	CONVEYOR AUTO MODE TO SCA DA

















AVONDALE  
CENTRATE LEAD LAG  
|||||

NETWORK 0044 Segment: 01

3  
3  
3  
3

3 CENTRATE TANK  
3 LEVEL ABOVE  
3 LEAD ON  
3 41.4  
1AAA] [AA\ [AA

CENTRATE TANK  
LEVEL BELOW  
OFF  
41.3  
CENT. TANK. 1. LVL  
. LD. ON  
. OFF

LEVEL IS OK TO  
OPERATE LEAD  
PUMPS  
( ) AAAAAAAAAAAAA  
CENT. PUMPS. LD. E  
N

3 LEVEL IS OK TO  
3 OPERATE LEAD  
3 PUMPS  
3 44.1  
2AAA] [AA

CENT. PUMPS. LD. E  
N

LEVEL IS OK TO  
OPERATE LAG  
PUMPS  
( ) AAAAAAAAAAAAA  
CENT. PUMPS. LG. E  
N

3 CENTRATE TANK  
3 LEVEL ABOVE  
3 LAG ON  
3 43.1  
3AAA] [AA\ [AA

CENTRATE TANK  
LEVEL BELOW  
OFF  
41.3  
CENT. TANK. 1. LVL  
. LG. ON  
. OFF

3 LEVEL IS OK TO  
3 OPERATE LAG  
3 PUMPS  
3 44.3  
4AAA] [AA

CENT. PUMPS. LG. E  
N

3 00105 44.2 -][-, 48.1 -][-, 48.4 -][-  
3  
3 00113 44.4 -][-, 48.3 -][-, 48.6 -][-  
3



NETWORK 0046 Segment: 01

PULSE AFTER			CENTRATE PUMP 2
TOTAL NUMBER OF			VFD IN AUTO
LEAD MODE	HOURS	MODE	LEAD MODE
45.1	47.3	OOD1104	45.1
[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]
CENT. PUMP. 1. LEA	CENT. PULSE. HOUR	CENT. PUMP. 2. AUT	CENT. PUMP. 1. LEA
D	S	0	D
PULSE AFTER			
TOTAL NUMBER OF			
LEAD MODE	HOURS		
46.1	47.3		
[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]
CENT. PUMP. 2. LEA	CENT. PULSE. HOUR		
D	S		
CENTRATE PUMP 1	PULSE AFTER		
VFD IN AUTO	TOTAL NUMBER OF		
MODE	HOURS		
OOD1104	47.3		
[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]
CENT. PUMP. 1. AUT	CENT. PULSE. HOUR		
0	S		
PULSE AFTER			
TOTAL NUMBER OF			
LEAD MODE	HOURS		
45.1	47.3		
[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]	[AAAAAAAAAAAAAAAA]
CENT. PUMP. 1. LEA	CENT. PULSE. HOUR		
D	S		
00107	45.1	-][-, 46.2 -][-, 48.2 -][-, 48.4 -][-,	
	48.6	-][-	







NETWORK 0050 Segment: 01

```

3
3
3
3
3
3
3 SCRUBBER 1 SUMP                                SCRUBBER 1 SUMP
3   HIGH LEVEL                                  HIGH LEVEL TO
3   OOD1104                                     SCADA
1AAA] [AAAAA] SC. OCS. STG1. SUMP. L           AAA( )AAAAA
3   VL. HI                                     SC. OCS. STG1. SUM
3                                             P. LVL. HI
3
3 SCRUBBER 1                                       SCRUBBER 1
3   CHLORINE OUT                                CHLORINE OUT OF
3   OF RANGE                                    RANGE TO SCADA
3   OOD1104
2AAA] [AAAAA] SC. OCS. STG1. CHLOR.           AAA( )AAAAA
3   RANGE                                       SC. OCS. STG1. CHL
3                                             OR. RANGE
3
3 SCRUBBER 1                                       SCRUBBER 1
3   RUNNING                                     RUNNING TO
3   OOD1104                                     SCADA
3AAA] [AAAAA] SC. OCS. STG1. SYST. R         AAA( )AAAAA
3   UNNG                                       SC. OCS. STG1. SYS
3                                             T. RUNNG
3
3 RECIRC PUMP 1                                   RECIRC PUMP 1
3   FAIL                                       FAIL TO SCADA
3   OOD1104
4AAA] [AAAAA] SC. OCS. STG1. PUMP. 1         AAA( )AAAAA
3   . FAIL                                    SC. OCS. STG1. PUM
3                                             P. 1. FAIL
3
3 RECIRC PUMP 2                                   RECIRC PUMP 2
3   FAIL                                       FAIL TO SCADA
3   OOD1104
5AAA] [AAAAA] SC. OCS. STG1. PUMP. 2         AAA( )AAAAA
3   . FAIL                                    SC. OCS. STG1. PUM
3                                             P. 2. FAIL
3
3 00642                SCRUBBER 1 SUMP  HIGH LEVEL TO    SCADA
3
3 00643                SCRUBBER 1   CHLORINE OUT OF  RANGE TO SC ADA
3
3 00644                SCRUBBER 1   RUNNING TO SC ADA
3
3 00645                RECIRC PUMP 1  FAIL TO SCADA
3
3 00646                RECIRC PUMP 2  FAIL TO SCADA
3

```

NETWORK 0051 Segment: 01

3		
3		
3		
3		
3	SCRUBBER 2 SUMP	SCRUBBER 2 SUMP
3	HIGH LEVEL	HIGH LEVEL TO
3	OOD1104	SCADA
1AAA	[AAAAAAAAAAAA]	AAA( )AAAAAAAAAAAA
3	OCS. STG2. SUMP. L	SC. OCS. STG2. SUM
3	VL. HI	P. LVL. HI
3		
3	SCRUBBER 2	SCRUBBER 2
3	CHLORINE OUT	CHLORINE OUT OF
3	OF RANGE	RANGE TO SCADA
3	OOD1104	
2AAA	[AAAAAAAAAAAA]	AAA( )AAAAAAAAAAAA
3	OCS. STG2. CHLOR.	SC. OCS. STG2. CHL
3	RANGE	OR. RANGE
3		
3	RECIRC PUMP 3	RECIRC PUMP 3
3	FAIL	FAIL TO SCADA
3	OOD1104	
3AAA	[AAAAAAAAAAAA]	AAA( )AAAAAAAAAAAA
3	OCS. STG2. PUMP. 3	SC. OCS. STG2. PUM
3	FAIL	P. 3. FAIL
3		
3	SCRUBBER 2	SCRUBBER 2
3	RUNNING	RUNNING TO
3	OOD1104	SCADA
4AAA	[AAAAAAAAAAAA]	AAA( )AAAAAAAAAAAA
3	OCS. STG2. SYST. R	SC. OCS. STG2. SYS
3	UNNG	T. RUNNG
3		
3	ODOR CONTROL	ODOR CONTROL
3	FAN FAIL	FAN FAIL TO
3	OOD1104	SCADA
5AAA	[AAAAAAAAAAAA]	AAA( )AAAAAAAAAAAA
3	OCS. STG3. FAN. FA	SC. OCS. STG3. FAN
3	IL	. FAIL
3		
3	00647	SCRUBBER 2 SUMP HIGH LEVEL TO SCADA
3		
3	00648	SCRUBBER 2 CHLORINE OUT OF RANGE TO SC ADA
3		
3	00650	RECIRC PUMP 3 FAIL TO SCADA
3		
3	00649	SCRUBBER 2 RUNNING TO SC ADA
3		
3	00651	ODOR CONTROL FAN FAIL TO SCADA
3		

AVONDALE  
NAOCL FEED STATUS  
09:03 AM June 15 2002

NETWORK 0052 Segment: 01

3			
3			
3			
3			
3	CHEMICAL FEED		CHEMICAL FEED
3	SYSTEM ALARM		SYSTEM ALARM
3	OOD1104		TO SCADA
1AAA] [	AAAAAAAAAAAA	AAAAAAAAAAAA	AAAA( ) AAAAAAAAAAAA
3	CHEM. SYST. ALM		SC. CHEM. SYST. AL
3	10052		M
3			
3	CHEMICAL FEED		CHEMICAL FEED
3	PUMP 1 FAIL		PUMP 1 FAIL TO
3	OOD1104		SCADA
2AAA] [	AAAAAAAAAAAA	AAAAAAAAAAAA	AAAA( ) AAAAAAAAAAAA
3	CHEM. PUMP. 1. FAI		SC. CHEM. PUMP. 1.
3	L		FAIL
3			
3	CHEMICAL FEED		CHEMICAL FEED
3	PUMP 2 FAIL		PUMP 2 FAIL TO
3	OOD1104		SCADA
3AAA] [	AAAAAAAAAAAA	AAAAAAAAAAAA	AAAA( ) AAAAAAAAAAAA
3	CHEM. PUMP. 2. FAI		SC. CHEM. PUMP. 2.
3	L		FAIL
3			
3	CHEMICAL FEED		CHEMICAL FEED
3	PUMP 3 FAIL		PUMP 3 FAIL TO
3	OOD1104		SCADA
4AAA] [	AAAAAAAAAAAA	AAAAAAAAAAAA	AAAA( ) AAAAAAAAAAAA
3	CHEM. PUMP. 3. FAI		SC. CHEM. PUMP. 3.
3	L		FAIL

3	00652	CHEMICAL FEED	SYSTEM ALARM TO	SCADA
3				
3	00653	CHEMICAL FEED	PUMP 1 FAIL T 0	SCADA
3				
3	00654	CHEMICAL FEED	PUMP 2 FAIL T 0	SCADA
3				
3	00655	CHEMICAL FEED	PUMP 3 FAIL T 0	SCADA
3				













NETWORK 0059 Segment: 01

3  
3  
3  
3  
3  
3  
3

1 LOWER WORD BIT FROM CF1  
3 CF1. BITS. L 3  
3 40770 3  
3 3 3  
3 3 3  
3 3 3  
3 3 3

2 NOBT  
3 #0003

3 LOWER WORD BIT FROM CF1  
3 CF1. BITS. L 3  
3 40770 3  
3 3 3  
3 3 3  
3 3 3

4 NOBT  
3 #0004

3 00769 16.1 -][-, 25.1 -][-, 25.6 -][-, 26.2 -][-,  
3 26.3 -][-

3 00770 25.2 -][-

CF1. CV1000penLS  
00769

CF1. CV100C1osed  
LS



















AVONDALE  
Configuration Extension

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Configuration Extension Used: 00021/00064

AVONDALE

Symbol Table

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Symbol	Addr	MMI	Changed	Description
CENT. FLOW. RAW	30011	No	05-20-2002	CENTRATE PUMP STATION FLOW
CENT. FLOW. SCL	40123	No	06-08-2002	CENTRATE FLOW SCALED X 10
CENT. PULSE. 1HOUR	00114	No	06-15-2002	PULSE AFTER 3600 SEC (=1 HOUR)
CENT. PULSE. CTR	40128	No	06-08-2002	CENTRATE PUMPS ALTERNATE COUNT
CENT. PULSE. CTR. SP	40127	No	06-08-2002	CENTRATE PUMPS ALTERNATE COUNT SETPOINT
CENT. PULSE. HOURS	00115	No	06-15-2002	PULSE AFTER TOTAL NUMBER OF HOURS
CENT. PULSE. TMR	40125	No	06-08-2002	CENTRATE PUMPS ALTERNATE TIMER
CENT. PULSE. TMR. SP	40126	No	06-08-2002	CENTRATE PUMPS ALTERNATE TIMER SETPOINT
CENT. PUMP. 1. AUTO	10059	No	06-03-2002	CENTRATE PUMP 1 VFD IN AUTO MODE
CENT. PUMP. 1. FAIL	00108	No	05-23-2002	CENTRATE PUMP FAILED TO RUN
CENT. PUMP. 1. FAIL. TMR	40108	No	05-23-2002	FAILURE TIMER
CENT. PUMP. 1. LEAD	00106	No	05-23-2002	LEAD MODE
CENT. PUMP. 1. RUN	00015	No	05-20-2002	CENTRATE PUMP 1 RUN
CENT. PUMP. 1. RUNNG	10060	No	05-20-2002	CENTRATE PUMP 1 RUNNING
CENT. PUMP. 2. AUTO	10061	No	06-03-2002	CENTRATE PUMP 2 VFD IN AUTO MODE
CENT. PUMP. 2. FAIL	00109	No	05-23-2002	CENTRATE PUMP FAILED TO RUN
CENT. PUMP. 2. FAIL. TMR	40109	No	05-23-2002	FAILURE TIMER
CENT. PUMP. 2. LEAD	00107	No	05-23-2002	LEAD MODE
CENT. PUMP. 2. RUN	00016	No	05-20-2002	CENTRATE PUMP 2 RUN
CENT. PUMP. 2. RUNNG	10062	No	05-20-2002	CENTRATE PUMP 2 RUNNING
CENT. PUMPS. LD. EN	00105	No	06-08-2002	LEVEL IS OK TO OPERATE LEAD PUMPS
CENT. PUMPS. LG. EN	00113	No	06-08-2002	LEVEL IS OK TO OPERATE LAG PUMPS
CENT. TANK. 1. LVL. HI	00103	No	05-23-2002	CENTRATE TANK LEVEL ABOVE HI
CENT. TANK. 1. LVL. HI. SP	40106	No	05-23-2002	CENTRATE LEVEL HIGH ALARM
CENT. TANK. 1. LVL. LD. ON	00102	No	06-08-2002	CENTRATE TANK LEVEL ABOVE LEAD ON
CENT. TANK. 1. LVL. LD. ON. SP	40105	No	06-08-2002	CENTRATE LEVEL LEAD PUMP ON
CENT. TANK. 1. LVL. LG. ON	00112	No	06-08-2002	CENTRATE TANK LEVEL ABOVE LAG ON
CENT. TANK. 1. LVL. LG. ON. SP	40124	No	06-08-2002	CENTRATE LEVEL LAG PUMP ON
CENT. TANK. 1. LVL. OFF	00101	No	05-23-2002	CENTRATE TANK LEVEL BELOW OFF
CENT. TANK. 1. LVL. OFF. SP	40104	No	05-23-2002	CENTRATE LEVEL PUMP OFF
CENT. TANK. 1. LVL. RAW	30007	No	05-20-2002	CENTRATE TANK LEVEL
CENT. TANK. 1. LVL. SCL	40120	No	06-08-2002	CENTRATE TANK LEVEL SCALED X 10
CENT. TANK. 1. LVL. STOP	00104	No	05-23-2002	CENTRATE TANK LEVEL ABOVE STOP FEED PUMPS
CENT. TANK. 1. LVL. STOP. SP	40107	No	05-23-2002	CENTRATE LEVEL STOP FEED PUMPS SETPOINT
CF1. BITS. L	40770	No	05-23-2002	LOWER WORD
CF1. BITS. U	40769	No	05-23-2002	DISCRETE BITS FR CF1
CF1. BOWL. SPEED. L	40752	No	05-23-2002	LOWER WORD
CF1. BOWL. SPEED. SP. L	40766	No	05-23-2002	LOWER WORD
CF1. BOWL. SPEED. SP. U	40765	No	05-23-2002	BOWL SPEED SETPOINT FR CF1
CF1. BOWL. SPEED. U	40751	No	05-23-2002	BOWL SPEED (RPM) FR CF1
CF1. CV100openLS	00769	No	05-23-2002	BIT FROM CF1
CF1. CV100ClosedLS	00770	No	05-23-2002	BIT FROM CF1
CF1. CV100Remote	00768	No	05-23-2002	BIT FROM CF1
CF1. Common-Alarm	00756	No	05-23-2002	BIT FROM CF1
CF1. DRIVE. BRG. TEMP. L	40760	No	05-23-2002	LOWER WORD
CF1. DRIVE. BRG. TEMP. U	40759	No	05-23-2002	DRIVE BEARING TEMP FR CF1
CF1. EmergencyStopIn	00767	No	05-23-2002	BIT FROM CF1
CF1. FeedvCloseCmd	00755	No	05-23-2002	BIT FROM CF1
CF1. FeedvOpenCmd	00754	No	05-23-2002	BIT FROM CF1
CF1. GEAR. BRG. TEMP. L	40758	No	05-23-2002	LOWER WORD
CF1. GEAR. BRG. TEMP. U	40757	No	05-23-2002	GEAR BEARING TEMP FR CF1
CF1. HYD. PRESS. L	40756	No	05-23-2002	LOWER WORD
CF1. HYD. PRESS. U	40755	No	05-23-2002	HYDRAULIC PRESSURE FR CF1
CF1. HydrDriveRunCmd	00752	No	05-23-2002	BIT FROM CF1
CF1. HydrDrvRunIn	00764	No	05-23-2002	BIT FROM CF1
CF1. LubePumpRunCmd	00751	No	05-23-2002	BIT FROM CF1
CF1. LubePumpRunIn	00763	No	05-23-2002	BIT FROM CF1 FIRST DEVICE ON AND LAST OFF
CF1. MAIN. MOTOR. CURRENT. L	40762	No	05-23-2002	LOWER WORD
CF1. MAIN. MOTOR. CURRENT. U	40761	No	05-23-2002	MAIN DRIVE MOTOR CURRENT FR CF1
CF1. MainDrvRunCmd	00753	No	05-23-2002	BIT FROM CF1
CF1. MainVFDRunIn	00766	No	05-23-2002	BIT FROM CF1
CF1. OT_AutoStartLt	00761	No	05-23-2002	BIT FROM CF1

Symbol	Addr	MMI	Changed	Description
CF1. OIT_AutoStopLt	00762	No	05-23-2002	BIT FROM CF1
CF1. OIT_FeedPermitInd	00757	No	05-23-2002	BIT FROM CF1
CF1. OIT_MainRunLT	00760	No	05-23-2002	BIT FROM CF1
CF1. OIT_Automode	00758	No	05-23-2002	BIT FROM CF1
CF1. OIT_FdVlvManAuto	00759	No	05-23-2002	BIT FROM CF1
CF1. SLDG. 1. TIMER	40110	No	06-08-2002	
CF1. SLDG. 1. TIMER. SP	40111	No	06-08-2002	
CF1. SLDG. EN. DLY	00110	No	06-08-2002	DELAY START OF SLDG FROM VALVE OPEN
CF1. SLUDGE. FLOW. L	40768	No	05-23-2002	LOWER WORD
CF1. SLUDGE. FLOW. U	40767	No	05-23-2002	SLUDGE FLOW FR CF1
CF1. SPARE. 1	00765	No	05-23-2002	BIT FROM CF1
CF1. SPEED. DIFF. L	40754	No	05-23-2002	LOWER WORD
CF1. SPEED. DIFF. U	40753	No	05-23-2002	DIFF SPEED (x10 RPM) FR CF1
CF1. SYST. START	00702	No	05-23-2002	CENTRIFUGE 1 START COMMAND
CF1. SYST. STOP	00701	No	05-23-2002	CENTRIFUGE 1 STOP COMMAND
CF1. VIB. L	40764	No	05-23-2002	LOWER WORD
CF1. VIB. U	40763	No	05-23-2002	VIBRATION X 100 FR CF1
CF2. BITS. L	40870	No	05-23-2002	LOWER WORD
CF2. BITS. U	40869	No	05-23-2002	DISCRETE BITS FR CF2
CF2. BOWL. SPEED. L	40852	No	05-23-2002	LOWER WORD
CF2. BOWL. SPEED. SP. L	40866	No	05-23-2002	LOWER WORD
CF2. BOWL. SPEED. SP. U	40865	No	05-23-2002	BOWL SPEED SETPOINT FR CF2
CF2. BOWL. SPEED. U	40851	No	05-23-2002	BOWL SPEED (RPM) FR CF2
CF2. CV1000penLS	00869	No	05-23-2002	BIT FROM CF2
CF2. CV100ClosedLS	00870	No	05-23-2002	BIT FROM CF2
CF2. CV100Remote	00868	No	05-23-2002	BIT FROM CF2
CF2. Common-AI arm	00856	No	05-23-2002	BIT FROM CF2
CF2. DRIVE. BRG. TEMP. L	40860	No	05-23-2002	LOWER WORD
CF2. DRIVE. BRG. TEMP. U	40859	No	05-23-2002	DRIVE BEARING TEMP FR CF2
CF2. EmergencyStopIn	00867	No	05-23-2002	BIT FROM CF2
CF2. FeedvIvCloseCmd	00855	No	05-23-2002	BIT FROM CF2
CF2. FeedvIvOpenCmd	00854	No	05-23-2002	BIT FROM CF2
CF2. GEAR. BRG. TEMP. L	40858	No	05-23-2002	LOWER WORD
CF2. GEAR. BRG. TEMP. U	40857	No	05-23-2002	GEAR BEARING TEMP FR CF2
CF2. HYD. PRESS. L	40856	No	05-23-2002	LOWER WORD
CF2. HYD. PRESS. U	40855	No	05-23-2002	HYDRAULIC PRESSURE FR CF2
CF2. HydrDriveRunCmd	00852	No	05-23-2002	BIT FROM CF2
CF2. HydrDrvRunIn	00864	No	05-23-2002	BIT FROM CF2
CF2. LubePumpRunCmd	00851	No	05-23-2002	BIT FROM CF2
CF2. LubePumpRunIn	00863	No	05-23-2002	BIT FROM CF2 FIRST DEVICE ON AND LAST OFF
CF2. MAIN. MOTOR. CURRENT. L	40862	No	05-23-2002	LOWER WORD
CF2. MAIN. MOTOR. CURRENT. U	40861	No	05-23-2002	MAIN DRIVE MOTOR CURRENT FR CF2
CF2. MainDrvRunCmd	00853	No	05-23-2002	BIT FROM CF2
CF2. MainVFDRunIn	00866	No	05-23-2002	BIT FROM CF2
CF2. OIT_AutoStartLt	00861	No	05-23-2002	BIT FROM CF2
CF2. OIT_AutoStopLt	00862	No	05-23-2002	BIT FROM CF2
CF2. OIT_FeedPermitInd	00857	No	05-23-2002	BIT FROM CF2
CF2. OIT_MainRunLT	00860	No	05-23-2002	BIT FROM CF2
CF2. OIT_Automode	00858	No	05-23-2002	BIT FROM CF2
CF2. OIT_FdVlvManAuto	00859	No	05-23-2002	BIT FROM CF2
CF2. SLDG. 2. TIMER	40112	No	06-08-2002	
CF2. SLDG. 2. TIMER. SP	40113	No	06-08-2002	
CF2. SLDG. EN. DLY	00111	No	06-08-2002	DELAY START OF SLDG FROM VALVE OPEN
CF2. SLUDGE. FLOW. L	40868	No	05-23-2002	LOWER WORD
CF2. SLUDGE. FLOW. U	40867	No	05-23-2002	SLUDGE FLOW FR CF2
CF2. SPARE. 1	00865	No	05-23-2002	BIT FROM CF2
CF2. SPEED. DIFF. L	40854	No	05-23-2002	LOWER WORD
CF2. SPEED. DIFF. U	40853	No	05-23-2002	DIFF SPEED (x10 RPM) FR CF2
CF2. SYST. START	00802	No	05-23-2002	CENTRIFUGE 2 START COMMAND
CF2. SYST. STOP	00801	No	05-23-2002	CENTRIFUGE 1 STOP COMMAND
CF2. VIB. L	40864	No	05-23-2002	LOWER WORD
CF2. VIB. U	40863	No	05-23-2002	VIBRATION X 100 FR CF2

AVONDALE WWTP DEWATERING

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Symbol Table

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Symbol	Addr	MMI	Changed	Description
CFG1. VLV. 101. CLS	00007	No	05-20-2002	VALVE CV-101 CLOSE
CFG1. VLV. 101. CLSD	10031	No	05-20-2002	VALVE CV-101 CLOSED
CFG1. VLV. 101. OPN	00006	No	05-20-2002	VALVE CV-101 OPEN
CFG1. VLV. 101. OPND	10030	No	05-20-2002	VALVE CV-101 OPEN
CFG1. VLV. 101. RMT	10032	No	05-20-2002	VALVE CV-101 IN REMOTE
CFG2. VLV. 102. CLS	00009	No	05-20-2002	VALVE CV-201 OPEN
CFG2. VLV. 102. OPN	00008	No	05-20-2002	VALVE CV-201 OPEN
CFG2. VLV. 201. CLSD	10028	No	05-20-2002	VALVE CV-201 CLOSED
CFG2. VLV. 201. OPND	10027	No	05-20-2002	VALVE CV-201 OPEN
CFG2. VLV. 201. RMT	10029	No	05-20-2002	VALVE CV-201 IN REMOTE
CHEM. PUMP. 1. FAIL	10053	No	05-20-2002	CHEMICAL FEED PUMP 1 FAIL
CHEM. PUMP. 2. FAIL	10054	No	05-20-2002	CHEMICAL FEED PUMP 2 FAIL
CHEM. PUMP. 3. FAIL	10055	No	05-20-2002	CHEMICAL FEED PUMP 3 FAIL
CHEM. SYST. ALM	10052	No	05-20-2002	CHEMICAL FEED SYSTEM ALARM
CNVY. COLL. MOTOR. FAIL	10034	No	05-20-2002	COLLECTION MOTION SENSOR
CNVY. COLL. MOTOR. RUNNG	10033	No	05-20-2002	COLLECTION CONVEYOR RUNNING
CNVY. COLL. SYST. AUTO	10035	No	05-20-2002	COLLECTION CONVEYOR AUTO MODE
CNVY. COLL. SYST. RUN	00010	No	05-20-2002	COLLECTION CONVEYOR RUN
CNVY. DIST1. MOTOR. FAIL	10037	No	05-20-2002	DIST CONVEYOR 1 MOTOR FAIL
CNVY. DIST1. MOTOR. RUNNG	10036	No	05-20-2002	DIST CONVEYOR 1 RUNNING
CNVY. DIST1. SYST. AUTO	10038	No	05-20-2002	DIST CONVEYOR 1 AUTO MODE
CNVY. DIST1. SYST. RUN	00011	No	05-20-2002	DIST CONVEYOR 1 RUN
CNVY. DIST2. MOTOR. FAIL	10040	No	05-20-2002	DIST CONVEYOR 2 MOTOR FAIL
CNVY. DIST2. MOTOR. RUNNG	10039	No	05-20-2002	DIST CONVEYOR 2 RUNNING
CNVY. DIST2. SYST. AUTO	10041	No	05-20-2002	DIST CONVEYOR 2 AUTO MODE
CNVY. DIST2. SYST. RUN	00012	No	05-20-2002	DIST CONVEYOR 2 RUN
CNVY. SWITCH. DELAY	00116	No	06-15-2002	ALLOWS TIME TO SWITCH CNVYR DIRECTION
CNVY. SWITCH. DELAY. SP	40129	No	06-15-2002	TIME TO ALLOW SLDG & PLMR PUMPS TO RUN SP
CNVY. SWITCH. DELAY. TMR	40130	No	06-15-2002	TIME TO ALLOW SLDG & PLMR PUMPS TO RUN
FIRE. SYST. FIRE.	10058	No	05-20-2002	FIRE ALRM PANEL FIRE DETECTION
OCS. STG1. CHLOR. RANGE	10043	No	05-20-2002	SCRUBBER 1 CHLORINE OUT OF RANGE
OCS. STG1. PUMP. 1. FAIL	10045	No	05-20-2002	RECIRC PUMP 1 FAIL
OCS. STG1. PUMP. 2. FAIL	10046	No	05-20-2002	RECIRC PUMP 2 FAIL
OCS. STG1. SUMP. LVL. HI	10042	No	05-20-2002	SCRUBBER 1 SUMP HIGH LEVEL
OCS. STG1. SYST. RUNNG	10044	No	05-20-2002	SCRUBBER 1 RUNNING
OCS. STG2. CHLOR. RANGE	10048	No	05-20-2002	SCRUBBER 2 CHLORINE OUT OF RANGE
OCS. STG2. PUMP. 3. FAIL	10050	No	05-20-2002	RECIRC PUMP 3 FAIL
OCS. STG2. SUMP. LVL. HI	10047	No	05-20-2002	SCRUBBER 2 SUMP HIGH LEVEL
OCS. STG2. SYST. RUNNG	10049	No	05-20-2002	SCRUBBER 2 RUNNING
OCS. STG3. FAN. FAIL	10051	No	05-20-2002	ODOR CONTROL FAN FAIL
PLYMR. CONVYR. BLOCKED	10017	No	05-20-2002	CONVEYOR LINE BLOCKAGE
PLYMR. FEEDFNL. BLOCKED	10018	No	05-20-2002	FEED FUNNEL BLOCKED
PLYMR. HOPPR. LVL. LO	10016	No	05-20-2002	HOPPER LOW LEVEL
PLYMR. MOTOR. OL.	10019	No	05-20-2002	MOTOR OVERLOAD
PLYMR. PUMP. 1. DISCH. FLOW. RAW	30005	No	05-20-2002	POLYMER FEED PUMP 1 DISCH FLOW
PLYMR. PUMP. 1. DISCH. FLOW. SCL	40118	No	06-08-2002	POLYMER PUMP 1 FLOW SCALED X 10
PLYMR. PUMP. 1. FLOW. LO	10022	No	05-20-2002	LOW POLYMER FLOW PUMP 1
PLYMR. PUMP. 1. PRESS. HI	10056	No	05-20-2002	POLYMER FEED PUMP 1 HIGH PRESS
PLYMR. PUMP. 1. PRESS. LO	10021	No	05-20-2002	LOW POLYMER PRESS PUMP 1
PLYMR. PUMP. 1. RUNNG	10020	No	05-20-2002	FEED PUMP 1 RUNNING
PLYMR. PUMP. 1. START	00013	No	05-20-2002	POLYMER SOLUTION FEED PUMP 1 START
PLYMR. PUMP. 2. DISCH. FLOW. RAW	30006	No	05-20-2002	POLYMER FEED PUMP 2 DISCH FLOW
PLYMR. PUMP. 2. DISCH. FLOW. SCL	40119	No	06-08-2002	POLYMER PUMP 2 FLOW SCALED X 10
PLYMR. PUMP. 2. FLOW. LO	10025	No	05-20-2002	LOW POLYMER FLOW PUMP 2
PLYMR. PUMP. 2. PRESS. HI	10057	No	05-20-2002	POLYMER FEED PUMP 2 HIGH PRESS
PLYMR. PUMP. 2. PRESS. LO	10024	No	05-20-2002	LOW POLYMER PRESS PUMP 2
PLYMR. PUMP. 2. RUNNG	10023	No	05-20-2002	FEED PUMP 2 RUNNING
PLYMR. PUMP. 2. START	00014	No	05-20-2002	POLYMER SOLUTION FEED PUMP 2 START
PLYMR. SYST. 1. START	00004	No	05-20-2002	POLYMER SYSTEM 1 START
PLYMR. SYST. 2. START	00005	No	05-20-2002	FUTURE POLYMER SYSTEM 2 START
PLYMR. SYST. ALRM.	10013	No	05-20-2002	POLYMER ALARM
PLYMR. SYST. FAIL.	10014	No	05-20-2002	SYSTEM FAILURE

Symbol	Addr	MMI	Changed	Description
PLYMR. SYST. RUNNG.	10012	No	05-20-2002	POLYMER SYSTEM RUNNING
PLYMR. TANK. 1. LVL. RAW	30004	No	05-20-2002	POLYMER STORAGE TANK LEVEL
PLYMR. TANK. 1. LVL. SCL	40117	No	06-08-2002	POLYMER TANK LEVEL SCALED X 10
PLYMR. VLV. 200. OPND	10026	No	05-20-2002	TIE VALVE OPEN (NOT FULL CLOSED)
PLYMR. WATER. PRESS. LO	10015	No	05-20-2002	LOW WATER PRESS
SC. CENT. 1. STOP. CMD	00517	No	05-20-2002	CENTRIFUGE STOP FR SCADA
SC. CENT. FLOW. RAW	40610	No	05-20-2002	CENTRATE PUMP STATION FLOW TO SCADA
SC. CENT. PUMP. 1. AUTO	00659	No	05-20-2002	CENTRATE PUMP 1 AUTO MODE TO SCADA
SC. CENT. PUMP. 1. RUN	00515	No	05-20-2002	CENTRATE PUMP 1 RUN FR SCADA
SC. CENT. PUMP. 1. RUNNG	00660	No	05-20-2002	CENTRATE PUMP 1 RUNNING TO SCADA
SC. CENT. PUMP. 2. AUTO	00661	No	05-20-2002	CENTRATE PUMP 2 AUTO MODE TO SCADA
SC. CENT. PUMP. 2. RUN	00516	No	05-20-2002	CENTRATE PUMP 2 RUN FR SCADA
SC. CENT. PUMP. 2. RUNNG	00662	No	05-20-2002	CENTRATE PUMP 2 RUNNING TO SCADA
SC. CENT. TANK. 1. LVL. HI	00684	No	05-23-2002	CENTRATE TANK HI TO SCADA
SC. CENT. TANK. 1. LVL. RAW	40607	No	05-20-2002	CENTRATE TANK LEVEL TO SCADA
SC. CF1. BEARING. LIQ. TEMP	40613	No	05-23-2002	BEARING TEMP LIQUID SIDE TO SCADA
SC. CF1. BEARING. SLD. TEMP	40612	No	05-23-2002	BEARING TEMP SOLID SIDE TO SCADA
SC. CF1. BOWL. SPEED	40614	No	05-23-2002	BOWL SPEED (RPM) TO SCADA
SC. CF1. CAKE. CONVY. EN	00670	No	05-23-2002	ENABLE CAKE CONV SYSTEM TO SCADA
SC. CF1. CIP. RUNNG	00671	No	05-23-2002	CLEAN IN PLACE RUNNING TO SCADA
SC. CF1. ESTOP	00665	No	05-23-2002	EMERGENCY STOP TO SCADA
SC. CF1. ESTOP. CMD	00518	No	05-23-2002	CENTRIFUGE E-STOP FR SCADA
SC. CF1. FEED. EN	00669	No	05-23-2002	ENABLE FEED TO SCADA
SC. CF1. HYD. PRESS	40615	No	05-23-2002	BACK DRIVE HYDRUALIC PRESS TO SCADA
SC. CF1. MAIN. MOTOR. CURRENT	40611	No	05-23-2002	MAIN DRIVE MOTOR CURRENT TO SCADA
SC. CF1. PLYMR. EN	00667	No	05-23-2002	ENABLE POLYMER TO SCADA
SC. CF1. RUNNG	00668	No	05-23-2002	CENTRIFUGE RUNNING TO SCADA
SC. CF1. RUNTIME	40617	No	05-23-2002	CENTRIFUGE RUN TIME TO SCADA
SC. CF1. SPEED. DIFF	40616	No	05-23-2002	DIFF SPEED (RPM) TO SCADA
SC. CF1. START. CMD	00519	No	05-23-2002	CENTRIFUGE START PERMISSIVE FR SCADA
SC. CF1. STARTING	00666	No	05-23-2002	CENTRIFUGE STARTING TO SCADA
SC. CF1. SYST. ALM	00673	No	05-23-2002	COMMON ALARM TO SCADA
SC. CF1. SYST. FAIL	00672	No	05-23-2002	COMMON FAIL TO SCADA
SC. CF2. BACK. HYD. PRESS	40622	No	05-23-2002	BACK DRIVE HYDRAULIC PRESS TO SCADA
SC. CF2. BEARING. LIQ. TEMP	40620	No	05-23-2002	BEARING TEMP LIQUID SIDE TO SCADA
SC. CF2. BEARING. SLD. TEMP	40619	No	05-23-2002	BEARING TEMP SOLID SIDE TO SCADA
SC. CF2. BOWL. SPEED	40621	No	05-23-2002	BOWL SPEED (RPM) TO SCADA
SC. CF2. CAKE. CONVY. EN	00679	No	05-23-2002	ENABLE CAKE CONV SYSTEM TO SCADA
SC. CF2. CIP. RUNNG	00680	No	05-23-2002	CLEAN IN PLACE RUNNING TO SCADA
SC. CF2. ESTOP	00674	No	05-23-2002	EMERGENCY STOP TO SCADA
SC. CF2. ESTOP. CMD	00521	No	05-23-2002	CENTRIFUGE E-STOP FR SCADA
SC. CF2. FEED. EN	00678	No	05-23-2002	ENABLE FEED TO SCADA
SC. CF2. MAIN. MOTOR. CURRENT	40618	No	05-23-2002	MAIN DRIVE MOTOR CURRENT TO SCADA
SC. CF2. PLYMR. EN	00676	No	05-23-2002	ENABLE POLYMER TO SCADA
SC. CF2. RUNNG	00677	No	05-23-2002	CENTRIFUGE RUNNING TO SCADA
SC. CF2. RUNTIME	40624	No	05-23-2002	CENTRIFUGE RUN TIME TO SCADA
SC. CF2. SPEED. DIFF	40623	No	05-23-2002	DIFF SPEED (RPM) TO SCADA
SC. CF2. START. CMD	00522	No	05-23-2002	CENTRIFUGE START PERMISSIVE FR SCADA
SC. CF2. STARTING	00675	No	05-23-2002	CENTRIFUGE STARTING TO SCADA
SC. CF2. STOP. CMD	00520	No	05-23-2002	CENTRIFUGE STOP FR SCADA
SC. CF2. SYST. ALM	00682	No	05-23-2002	COMMON ALARM TO SCADA
SC. CF2. SYST. FAIL	00681	No	05-23-2002	COMMON FAIL TO SCADA
SC. CFG1. VLV. 101. CLS	00507	No	05-20-2002	VALVE CV-101 CLOSE FR SCADA
SC. CFG1. VLV. 101. CLSD	00631	No	05-20-2002	VALVE CV-101 CLOSED TO SCADA
SC. CFG1. VLV. 101. OPN	00506	No	05-20-2002	VALVE CV-101 OPEN FR SCADA
SC. CFG1. VLV. 101. OPND	00630	No	05-20-2002	VALVE CV-101 OPEN TO SCADA
SC. CFG1. VLV. 101. RMT	00632	No	05-20-2002	VALVE CV-101 IN REMOTE TO SCADA
SC. CFG2. VLV. 102. CLS	00509	No	05-20-2002	VALVE CV-201 OPEN FR SCADA
SC. CFG2. VLV. 102. OPN	00508	No	05-20-2002	VALVE CV-201 OPEN FR SCADA
SC. CFG2. VLV. 201. CLSD	00628	No	05-20-2002	VALVE CV-201 CLOSED TO SCADA
SC. CFG2. VLV. 201. OPND	00627	No	05-20-2002	VALVE CV-201 OPEN TO SCADA
SC. CFG2. VLV. 201. RMT	00629	No	05-20-2002	VALVE CV-201 IN REMOTE TO SCADA

Symbol	Addr	MMI	Changed	Description
SC. CHEM. PUMP. 1. FAIL	00653	No	05-20-2002	CHEMICAL FEED PUMP 1 FAIL TO SCADA
SC. CHEM. PUMP. 2. FAIL	00654	No	05-20-2002	CHEMICAL FEED PUMP 2 FAIL TO SCADA
SC. CHEM. PUMP. 3. FAIL	00655	No	05-20-2002	CHEMICAL FEED PUMP 3 FAIL TO SCADA
SC. CHEM. SYST. ALM	00652	No	05-20-2002	CHEMICAL FEED SYSTEM ALARM TO SCADA
SC. CNVY. COLL. MOTOR. FAIL	00634	No	05-20-2002	COLLECTION CONVEYOR MOTOR FAIL TO SCADA
SC. CNVY. COLL. MOTOR. RUNNG	00633	No	05-20-2002	COLLECTION CONVEYOR RUNNING TO SCADA
SC. CNVY. COLL. SYST. AUTO	00635	No	05-20-2002	COLLECTION CONVEYOR AUTO MODE TO SCADA
SC. CNVY. COLL. SYST. RUN	00510	No	05-20-2002	COLLECTION CONVEYOR RUN FR SCADA
SC. CNVY. DIST1. MOTOR. FAIL	00637	No	05-20-2002	DIST CONVEYOR 1 MOTOR FAIL TO SCADA
SC. CNVY. DIST1. MOTOR. RUNNG	00636	No	05-20-2002	DIST CONVEYOR 1 RUNNING TO SCADA
SC. CNVY. DIST1. SYST. AUTO	00638	No	05-20-2002	DIST CONVEYOR 1 AUTO MODE TO SCADA
SC. CNVY. DIST1. SYST. RUN	00511	No	05-20-2002	DIST CONVEYOR 1 RUN FR SCADA
SC. CNVY. DIST2. MOTOR. FAIL	00640	No	05-20-2002	DIST CONVEYOR 2 MOTOR FAIL TO SCADA
SC. CNVY. DIST2. MOTOR. RUNNG	00639	No	05-20-2002	DIST CONVEYOR 2 RUNNING TO SCADA
SC. CNVY. DIST2. SYST. AUTO	00641	No	05-20-2002	DIST CONVEYOR 2 AUTO MODE TO SCADA
SC. CNVY. DIST2. SYST. RUN	00512	No	05-20-2002	DIST CONVEYOR 2 RUN FR SCADA
SC. FIRE. SYST. FIRE.	00658	No	05-20-2002	FIRE ALRM PANEL FIRE DETECTION TO SCADA
SC. OCS. STG1. CHLOR. RANGE	00643	No	05-20-2002	SCRUBBER 1 CHLORINE OUT OF RANGE TO SCADA
SC. OCS. STG1. PUMP. 1. FAIL	00645	No	05-20-2002	RECIRC PUMP 1 FAIL TO SCADA
SC. OCS. STG1. PUMP. 2. FAIL	00646	No	05-20-2002	RECIRC PUMP 2 FAIL TO SCADA
SC. OCS. STG1. SUMP. LVL. HI	00642	No	05-20-2002	SCRUBBER 1 SUMP HIGH LEVEL TO SCADA
SC. OCS. STG1. SYST. RUNNG	00644	No	05-20-2002	SCRUBBER 1 RUNNING TO SCADA
SC. OCS. STG2. CHLOR. RANGE	00648	No	05-20-2002	SCRUBBER 2 CHLORINE OUT OF RANGE TO SCADA
SC. OCS. STG2. PUMP. 3. FAIL	00650	No	05-20-2002	RECIRC PUMP 3 FAIL TO SCADA
SC. OCS. STG2. SUMP. LVL. HI	00647	No	05-20-2002	SCRUBBER 2 SUMP HIGH LEVEL TO SCADA
SC. OCS. STG2. SYST. RUNNG	00649	No	05-20-2002	SCRUBBER 2 RUNNING TO SCADA
SC. OCS. STG3. FAN. FAIL	00651	No	05-20-2002	ODOR CONTROL FAN FAIL TO SCADA
SC. PLYMR. CONVYR. BLOCKED	00617	No	05-20-2002	CONVEYOR LINE BLOCKAGE TO SCADA
SC. PLYMR. FEEDFNL. BLOCKED	00618	No	05-20-2002	FEED FUNNEL BLOCKED TO SCADA
SC. PLYMR. HOPPR. LVL. LO	00616	No	05-20-2002	HOPPER LOW LEVEL TO SCADA
SC. PLYMR. MOTOR. OL.	00619	No	05-20-2002	MOTOR OVERLOAD TO SCADA
SC. PLYMR. PUMP. 1. DISCH. FLOW. RAW	40605	No	05-20-2002	POLYMER FEED PUMP 1 DISCH FLOW TO SCADA
SC. PLYMR. PUMP. 1. FLOW. LO	00622	No	05-20-2002	LOW POLYMER FLOW PUMP 1 TO SCADA
SC. PLYMR. PUMP. 1. PRESS. HI	00656	No	05-20-2002	POLYMER FEED PUMP 1 HIGH PRESS TO SCADA
SC. PLYMR. PUMP. 1. PRESS. LO	00621	No	05-20-2002	LOW POLYMER PRESS PUMP 1 TO SCADA
SC. PLYMR. PUMP. 1. RUNNG	00620	No	05-20-2002	FEED PUMP 1 RUNNING TO SCADA
SC. PLYMR. PUMP. 1. START	00513	No	05-20-2002	POLYMER SOLUTIN FEED PUMP 1 START FR SCADA
SC. PLYMR. PUMP. 2. DISCH. FLOW. RAW	40606	No	05-20-2002	POLYMER FEED PUMP 2 DISCH FLOW TO SCADA
SC. PLYMR. PUMP. 2. FLOW. LO	00625	No	05-20-2002	LOW POLYMER FLOW PUMP 2 TO SCADA
SC. PLYMR. PUMP. 2. PRESS. HI	00657	No	05-20-2002	POLYMER FEED PUMP 2 HIGH PRESS TO SCADA
SC. PLYMR. PUMP. 2. PRESS. LO	00624	No	05-20-2002	LOW POLYMER PRESS PUMP 2 TO SCADA
SC. PLYMR. PUMP. 2. RUNNG	00623	No	05-20-2002	FEED PUMP 2 RUNNING TO SCADA
SC. PLYMR. PUMP. 2. START	00514	No	05-20-2002	POLYMER SOLUTIN FEED PUMP 2 START FR SCADA
SC. PLYMR. SYST. 1. START	00504	No	05-20-2002	POLYMER SYSTEM 1 START FR SCADA
SC. PLYMR. SYST. 2. START	00505	No	05-20-2002	FUTURE POLYMER SYSTEM 2 START FR SCADA
SC. PLYMR. SYST. ALRM.	00613	No	05-20-2002	POLYMER ALARM TO SCADA
SC. PLYMR. SYST. FAIL.	00614	No	05-20-2002	SYSTEM FAILURE TO SCADA
SC. PLYMR. SYST. RUNNG.	00612	No	05-20-2002	POLYMER SYSTEM RUNNING TO SCADA
SC. PLYMR. TANK. 1. LVL. RAW	40604	No	05-20-2002	POLYMER STORAGE TANK LEVEL TO SCADA
SC. PLYMR. VLV. 200. OPND	00626	No	05-20-2002	TIE VALVE OPEN (NOT FULL CLOSED) TO SCADA
SC. PLYMR. WATER. PRESS. LO	00615	No	05-20-2002	LOW WATER PRESS TO SCADA
SC. SLDG. PUMP. 1. DISCH. PRESS. RAW	40602	No	05-20-2002	SLUDGE FEED PUMP 1 DISCH PRESS TO SCADA
SC. SLDG. PUMP. 1. FAIL	00602	No	05-20-2002	SLUDGE PUMP 1 FAIL TO SCADA
SC. SLDG. PUMP. 1. PRESS. HI	00604	No	05-20-2002	SLUDGE PUMP 1 HIGH DISCH PRESS TO SCADA
SC. SLDG. PUMP. 1. RMT	00603	No	05-20-2002	SLUDGE PUMP 1 VFD IN REMOTE TO SCADA
SC. SLDG. PUMP. 1. RUN	00501	No	05-20-2002	SLUDGE PUMP 1 RUN FR SCADA
SC. SLDG. PUMP. 1. RUNNG	00601	No	05-20-2002	SLUDGE PUMP 1 RUNNING TO SCADA
SC. SLDG. PUMP. 1. SPEED. CMD	40501	No	05-20-2002	SPEED TO SLUDGE FEED PUMP 1 VFD FR SCADA
SC. SLDG. PUMP. 1. SPEED. IND. RAW	40608	No	05-20-2002	SLUDGE PUMP 1 SPEED INDICATN TO SCADA
SC. SLDG. PUMP. 2. DISCH. PRESS. RAW	40603	No	05-20-2002	SLUDGE FEED PUMP 1 DISCH PRESS TO SCADA
SC. SLDG. PUMP. 2. FAIL	00606	No	05-20-2002	SLUDGE PUMP 2 FAIL TO SCADA
SC. SLDG. PUMP. 2. PRESS. HI	00608	No	05-20-2002	SLUDGE PUMP 2 HIGH DISCH PRESS TO SCADA

Symbol	Addr	MMI	Changed	Description
SC. SLDG. PUMP. 2. RMT	00607	No	05-20-2002	SLUDGE PUMP 2 VFD IN REMOTE TO SCADA
SC. SLDG. PUMP. 2. RUN	00502	No	05-20-2002	SLUDGE PUMP 2 RUN FR SCADA
SC. SLDG. PUMP. 2. RUNNG	00605	No	05-20-2002	SLUDGE PUMP 2 RUNNING TO SCADA
SC. SLDG. PUMP. 2. SPEED. CMD	40502	No	05-20-2002	SPEED TO SLUDGE FEED PUMP 2 V FD FR SCADA
SC. SLDG. PUMP. 2. SPEED. IND. RAW	40609	No	05-20-2002	SLUDGE PUMP 2 SPEED INDICATN TO SCADA
SC. SLDG. PUMP. 3. RUN	00503	No	05-20-2002	FUTURE SLUDGE PUMP 3 RUNFR SCADA
SC. SLDG. TANK. 1. LVL. HI	00683	No	05-23-2002	SLUDGE TANK HI TO SCADA
SC. SLDG. TANK. 1. LVL. RAW	40601	No	05-20-2002	SLUDGE STORAGE TANK LEVEL TO SCADA
SC. SLDG. VLV. 100. OPND	00609	No	05-20-2002	TIE VALVE OPEN (NOT FULL CLO SED) TO SCADA
SC. SPARE. 1. .	00663	No	05-20-2002	SPARE TO SCADA
SC. SPARE. 2. .	00664	No	05-20-2002	SPARE TO SCADA
SC. SUMP. LVL. HI .	00611	No	05-20-2002	SUMP HIGH LEVEL TO SCADA
SC. SUMP. PUMP. RUNNG.	00610	No	05-20-2002	SUMP PUMP RUNNING TO SCADA
SCRATCH. 1	40998	No	05-23-2002	
SCRATCH. 2	40999	No	05-23-2002	
SLDG. PUMP. 1. DISCH. PRESS. RAW	30002	No	05-20-2002	SLUDGE FEED PUMP 1 DISCH PRESS
SLDG. PUMP. 1. DISCH. PRESS. SCL	40115	No	06-08-2002	SLUDGE PUMP 1 PRESSURE SCALED X 10
SLDG. PUMP. 1. FAIL	10002	No	05-20-2002	SLUDGE PUMP 1 FAIL
SLDG. PUMP. 1. PRESS. HI	10004	No	05-20-2002	SLUDGE PUMP 1 HIGH DISCH PRESS
SLDG. PUMP. 1. RMT	10003	No	05-20-2002	SLUDGE PUMP 1 VFD IN REMOTE
SLDG. PUMP. 1. RUN	00001	No	05-20-2002	SLUDGE PUMP 1 RUN
SLDG. PUMP. 1. RUNNG	10001	No	05-20-2002	SLUDGE PUMP 1 RUNNING
SLDG. PUMP. 1. SPEED. CMD	40001	No	05-20-2002	SPEED TO SLUDGE FEED PUMP 1 V FD
SLDG. PUMP. 1. SPEED. IND. RAW	30008	No	05-20-2002	SLUDGE PUMP 1 SPEED INDICATION
SLDG. PUMP. 1. SPEED. IND. SCL	40121	No	06-08-2002	SLUDGE PUMP 1 SPEED SCALED X 10
SLDG. PUMP. 2. DISCH. PRESS. RAW	30003	No	05-20-2002	SLUDGE FEED PUMP 1 DISCH PRESS
SLDG. PUMP. 2. DISCH. PRESS. SCL	40116	No	06-08-2002	SLUDGE PUMP 1 PRESSURE SCALED X 10
SLDG. PUMP. 2. FAIL	10006	No	05-20-2002	SLUDGE PUMP 2 FAIL
SLDG. PUMP. 2. PRESS. HI	10008	No	05-20-2002	SLUDGE PUMP 2 HIGH DISCH PRESS
SLDG. PUMP. 2. RMT	10007	No	05-20-2002	SLUDGE PUMP 2 VFD IN REMOTE
SLDG. PUMP. 2. RUN	00002	No	05-20-2002	SLUDGE PUMP 2 RUN
SLDG. PUMP. 2. RUNNG	10005	No	05-20-2002	SLUDGE PUMP 2 RUNNING
SLDG. PUMP. 2. SPEED. CMD	40002	No	05-20-2002	SPEED TO SLUDGE FEED PUMP 2 V FD
SLDG. PUMP. 2. SPEED. IND. RAW	30010	No	05-20-2002	SLUDGE PUMP 2 SPEED INDICAT ION
SLDG. PUMP. 2. SPEED. IND. SCL	40122	No	06-08-2002	SLUDGE PUMP 2 SPEED SCALED X 10
SLDG. PUMP. 3. RUN	00003	No	05-20-2002	FUTURE SLUDGE PUMP 3 RUN
SLDG. TANK. 1. LVL. ALM. SP	40103	No	05-23-2002	SLUDGE TANK HIGH ALARM SETPOINT
SLDG. TANK. 1. LVL. EN. SP	40102	No	05-23-2002	ENABLE SLUDGE PUMPS LEVEL SETPOINT
SLDG. TANK. 1. LVL. RAW	30001	No	05-20-2002	SLUDGE STORAGE TANK LEVEL
SLDG. TANK. 1. LVL. SCL	40114	No	06-08-2002	SLUDGE STORAGE TANK LEVEL x10
SLDG. TANK. 1. LVL. STOP	00401	No	05-23-2002	LEVEL IS TOO LOW TO PUMP SLUDGE
SLDG. TANK. 1. LVL. STOP. SP	40101	No	05-23-2002	DISABLE SLUDGE PUMPS LEVEL SETPOINT
SLDG. VLV. 100. OPND	10009	No	05-20-2002	TIE VALVE OPEN (NOT FUL CLOSD) CROSSFEED
SPARE. 1. .	10063	No	05-20-2002	SPARE
SPARE. 2. .	10064	No	05-20-2002	SPARE
SUMP. LVL. HI .	10011	No	05-20-2002	SUMP HIGH LEVEL
SUMP. PUMP. RUNNG.	10010	No	05-20-2002	SUMP PUMP RUNNING