SECTION 17300SCH – SUPPLEMENTAL

INSTRUMENT SCHEDULES

PART 1 - GENERAL

1.1 WORK INCLUDED: This section contains the Instrument and I/O Schedules for this project.

PART 2 - PRODUCTS

2.1 INSTRUMENT SCHEDULE

See the following Instrument Schedule.

The Controls Contractor shall provide the 17000 series items in the Instrument Schedule. Non 17000 series items shall be supplied and installed under the specification section listed.

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2.1 INSTRUMENT SCHEDULE – SECONDARY CLARIFIERS RAS PUMPS AND MCC IMPROVEMENTS

INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
	CLARIFIER B-1					
FI 942101	INFLUENT FLOW INDICATOR	0	100	MGD	17510	802
FQI 942101	INFLUENT FLOW TOTALIZER			MG	17510	802
SI 942109	PUMP SPEED INDICATOR	0	100	%	17510	802
TE 942108A	MOTOR UPPER BEARING TEMP. SENSOR	0	200	DEG F	16620	802
TE 942108B	MOTOR LOWER BEARING TEMP. SENSOR	0	200	DEG F	16620	802
TE 942110A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	802
TE 942110B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	802
TE 942110C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	802
VT 942110A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942110B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942110C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942110D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
TIT942161	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	802
FI 942115	RAS FLOW INDICATOR	0	25	MGD	17510	802
FSL 942161A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	802
FSL 942161B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	802
LIT 942170	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	802
LI 942170	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	802

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
DIT 942170	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	802
	CLARIFIER B-2					
FI 942201	INFLUENT FLOW INDICATOR	0	100	MGD	17510	803
FQI 942201	INFLUENT FLOW TOTALIZER			MG	17510	803
SI 942209	PUMP SPEED INDICATOR	0	100	%	17510	803
TE 942208A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	803
TE 942208B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	803
TE 942210A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	803
TE 942210B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	803
TE 942210C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	803
VT 942210A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942210B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942210C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
VT 942210D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	802
TIT942261	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	802
FI 942215	RAS FLOW INDICATOR	0	25	MGD	17510	803
FSL 942261A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	803
FSL 942261B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	803
LIT 942270	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	803
LI 942270	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	803
DIT 942274	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	803

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
	CLARIFIER B-3					
FI 942301	INFLUENT FLOW INDICATOR	0	100	MGD	17510	804
FQI 942301	INFLUENT FLOW TOTALIZER			MG	17510	804
SI 942349	PUMP SPEED INDICATOR	0	100	%	17510	804
TE 942349A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	804
TE 942349B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	804
TE 942350A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	804
TE 942350B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	804
TE 942350C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	804
VT 942350A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	804
VT 942350B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	804
VT 942350C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	804
VT 942350D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	804
TIT942350	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	804
FI 942309	RAS FLOW INDICATOR	0	25	MGD	17510	804
FSL 942361A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	804
FSL 942361B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	804
LIT 942341	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	804
LI 942341	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	804
DIT 942341	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	804
	CLARIFIER B-4					

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
FI 942401	INFLUENT FLOW INDICATOR	0	100	MGD	17510	805
FQI 942401	INFLUENT FLOW TOTALIZER			MG	17510	805
SI 942449	PUMP SPEED INDICATOR	0	100	%	17510	805
TE 942449A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	805
TE 942449B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	805
TE 942450A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	805
TE 942450B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	805
TE 942450C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	805
VT 942450A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	805
VT 942450B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	805
VT 942450C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	805
VT 942450D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	805
TIT942450	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	805
FI 942409	RAS FLOW INDICATOR	0	25	MGD	17510	805
FSL 942411A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	805
FSL 942411B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	805
LIT 942441	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	805
LI 942441	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	805
DIT 942441	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	805
	CLARIFIER B-5					
FI 942501	INFLUENT FLOW INDICATOR	0	100	MGD	17510	806

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
FQI 942501	INFLUENT FLOW TOTALIZER			MG	17510	806
SI 942549	PUMP SPEED INDICATOR	0	100	%	17510	806
TE 942549A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	806
TE 942549B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	806
TE 942550A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	806
TE 942550B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	806
TE 942550C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	806
VT 942550A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	806
VT 942550B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	806
VT 942550C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	806
VT 942550D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	806
TIT942550	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	806
FI 942509	RAS FLOW INDICATOR	0	25	MGD	17510	806
FSL 942511A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	806
FSL 942511B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	806
LIT 942541	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	806
LI 942541	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	806
DIT 942541	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	806
	CLARIFIER B-6					
FI 942601	INFLUENT FLOW INDICATOR	0	100	MGD	17510	807
FQI 942601	INFLUENT FLOW TOTALIZER			MG	17510	807

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
SI 942651	PUMP SPEED INDICATOR	0	100	%	17510	807
TE 942651A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	807
TE 942651B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	807
TE 942650A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	807
TE 942650B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	807
TE 942650C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	807
VT 942650A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	807
VT 942650B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	807
VT 942650C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	807
VT 942650D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	807
TIT 942650	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	807
FI 942609	RAS FLOW INDICATOR	0	25	MGD	17510	807
FSL 942611A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	807
FSL 942611B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	807
LIT 942639	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	807
LI 942639	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	807
DIT 942639	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	807
	CLARIFIER B-8					
FI 942801	INFLUENT FLOW INDICATOR	0	100	MGD	17510	808
FQI 942801	INFLUENT FLOW TOTALIZER			MG	17510	808
SI 942809	PUMP SPEED INDICATOR	0	100	%	17510	808

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TE 942808A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	808
TE 942808B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	808
TE 942810A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	808
TE 942810B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	808
TE 942810C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	808
VT 942810A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	808
VT 942810B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	808
VT 942810C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	808
VT 942810D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	808
TIT 942861	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	808
FI 942815	RAS FLOW INDICATOR	0	25	MGD	17510	808
FSL 942861A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	808
FSL 942861B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	808
LIT 942874	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	808
LI 942874	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	808
DIT 942874	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	808
	CLARIFIER B-9					
FI 942901	INFLUENT FLOW INDICATOR	0	100	MGD	17510	809
FQI 942901	INFLUENT FLOW TOTALIZER			MG	17510	809
SI 942909	PUMP SPEED INDICATOR	0	100	%	17510	809
TE 942908A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	809

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TE 942908B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	809
TE 942910A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	809
TE 942910B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	809
TE 942910C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	809
VT 942910A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	809
VT 942910B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	809
VT 942910C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	809
VT 942910D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	809
TIT 942961	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	809
FI 942915	RAS FLOW INDICATOR	0	25	MGD	17510	809
FSL 942961A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	809
FSL 942961B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	809
LIT 942974	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	809
LI 942974	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	809
DIT 942974	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	809
	CLARIFIER B-10					
FI 943001	INFLUENT FLOW INDICATOR	0	100	MGD	17510	810
FQI 943001	INFLUENT FLOW TOTALIZER			MG	17510	810
SI 943009	PUMP SPEED INDICATOR	0	100	%	17510	810
TE 943008A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	810
TE 943008B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	810

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TE 943010A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	810
TE 943010B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	810
TE 943010C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	810
VT 943010A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	810
VT 943010B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	810
VT 943010C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	810
VT 943010D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	810
TIT 963061	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	810
FI 943015	RAS FLOW INDICATOR	0	25	MGD	17510	810
FSL 943061A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	810
FSL 943061B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	810
LIT 943074	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	810
LI 943074	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	810
DIT 943074	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	810
	CLARIFIER B-12					
FI 943201	INFLUENT FLOW INDICATOR	0	100	MGD	17510	811
FQI 943201	INFLUENT FLOW TOTALIZER			MG	17510	811
SI 943275	PUMP SPEED INDICATOR	0	100	%	17510	811
TE 943275A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	811
TE 943275B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	811
TE 943274A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	811

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TE 943274B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	811
TE 943274C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	811
VT 943274A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	811
VT 943274B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	811
VT 943274C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	811
VT 943274D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	811
TIT 943274	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	811
FI 943209	RAS FLOW INDICATOR	0	25	MGD	17510	811
FSL 943211A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	811
FSL 943211B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	811
LIT 943244	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	811
LI 943244	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	811
DIT 943244	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	811
	CLARIFIER B-13					
FI 943301	INFLUENT FLOW INDICATOR	0	100	MGD	17510	812
FQI 943301	INFLUENT FLOW TOTALIZER			MG	17510	812
SI 943375	PUMP SPEED INDICATOR	0	100	%	17510	812
TE 943375A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	812
TE 943375B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	812
TE 943374A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	812
TE 943374B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	812

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TE 943374C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	812
VT 943374A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	812
VT 943374B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	812
VT 943374C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	812
VT 943374D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	812
TIT 943374	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	812
FI 943309	RAS FLOW INDICATOR	0	25	MGD	17510	812
FSL 943311A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	812
FSL 943311B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	812
LIT 943344	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	812
LI 943344	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	812
DIT 943344	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	812
	CLARIFIER B-14					
FI 943401	INFLUENT FLOW INDICATOR	0	100	MGD	17510	813
FQI 943401	INFLUENT FLOW TOTALIZER			MG	17510	813
SI 943409	PUMP SPEED INDICATOR	0	100	%	17510	813
TE 943408A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	813
TE 943408B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	813
TE 943410A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	813
TE 943410B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	813
TE 943410C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	813

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
VT 943410A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	813
VT 943410B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	813
VT 943410C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	813
VT 943410D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	813
TIT 943461	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	814
FI 943415	RAS FLOW INDICATOR	0	25	MGD	17510	813
FSL 943461A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	813
FSL 943461B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	813
LIT 943474	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	813
LI 943474	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	813
DIT 943474	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	813
	CLARIFIER B-15					
FI 943501	INFLUENT FLOW INDICATOR	0	100	MGD	17510	814
FQI 943501	INFLUENT FLOW TOTALIZER			MG	17510	814
SI 943575	PUMP SPEED INDICATOR	0	100	%	17510	814
TE 943575A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	814
TE 943975B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	814
TE 943574A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	814
TE 943574B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	814
TE 943574C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	814
VT 943574A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	814

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
VT 943574B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	814
VT 943574C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	814
VT 943574D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	814
TIT 943574	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	814
FI 943509	RAS FLOW INDICATOR	0	25	MGD	17510	814
FSL 943511A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	814
FSL 943511B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	814
LIT 943544	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	814
LI 943544	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	814
DIT 943544	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	814
	CLARIFIER B-16					
FI 943601	INFLUENT FLOW INDICATOR	0	100	MGD	17510	815
FQI 943601	INFLUENT FLOW TOTALIZER			MG	17510	815
SI 943675	PUMP SPEED INDICATOR	0	100	%	17510	815
TE 943675A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	815
TE 943675B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	815
TSH 943674A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	815
TSH 943674B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	815
TSH 943674C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	815
VT 943674A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	815
VT 943674B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	815

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
VT 943674C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	815
VT 943674D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	815
TIT 943674	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	815
FI 943609	RAS FLOW INDICATOR	0	25	MGD	17510	815
FSL 943611A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	815
FSL 943611B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	815
LIT 943644	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	815
LI 943644	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	815
DIT 943644	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	815
	CLARIFIER B-17					
FI 943718	INFLUENT FLOW INDICATOR	0	100	MGD	17510	816
FQI 943718	INFLUENT FLOW TOTALIZER			MG	17510	816
SI 943749	PUMP SPEED INDICATOR	0	100	%	17510	816
TE 943755A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	816
TE 943755B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	816
TE 943750A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	816
TE 943750B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	816
TE 943750C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	816
VT 943750A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	816
VT 943750B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	816
VT 943750C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	816

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
VT 943750D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	816
TIT 943789	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	817
FI 943702	RAS FLOW INDICATOR	0	25	MGD	17510	816
FSL 943789A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	816
FSL 943789B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	816
LIT 943770	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	816
LI 943770	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	816
DIT 943770	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	816
	CLARIFIER B-18					
FI 943801	INFLUENT FLOW INDICATOR	0	100	MGD	17510	817
FQI 943801	INFLUENT FLOW TOTALIZER			MG	17510	817
SI 943874	PUMP SPEED INDICATOR	0	100	%	17510	817
TE 943875A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	817
TE 943875B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	817
TSH 943874A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	817
TSH 943874B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	817
TSH 943874C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	817
VT 943874	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	817
VT 943874	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	817
VT 943874	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	817
VT 943874	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	817

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
TIT 943875	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	817
FI 943809	RAS FLOW INDICATOR	0	25	MGD	17510	817
FSL 943811A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	817
FSL 943811B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	817
LIT 943844	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	817
LI 943844	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	817
DIT 943844	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	817
	CLARIFIER B-19					
FI 943918	INFLUENT FLOW INDICATOR	0	100	MGD	17510	818
FQI 943918	INFLUENT FLOW TOTALIZER			MG	17510	818
SI 943949	PUMP SPEED INDICATOR	0	100	%	17510	818
TE 943955A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	818
TE 943955B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	818
TE 943950A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	818
TE 943950B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	818
TE 943950C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	818
VT 943950A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	818
VT 943950B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	818
VT 943950C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	818
VT 943950D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	818
TIT 943989	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	818

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
FI 943902	RAS FLOW INDICATOR	0	25	MGD	17510	818
FSL 943989A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	818
FSL 943989B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	818
LIT 943970	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	818
LI 943970	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	818
DIT 943970	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	818
	CLARIFIER B-20					
FI 942018	INFLUENT FLOW INDICATOR	0	100	MGD	17510	819
FQI 942018	INFLUENT FLOW TOTALIZER			MG	17510	819
SI 942049	PUMP SPEED INDICATOR	0	100	%	17510	819
TE 942055A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	819
TE 942055B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	819
TE 942050A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	819
TE 942050B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	819
TE 942050C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	819
VT 942050A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	819
VT 942050B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	819
VT 942050C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	819
VT 942050D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	819
TIT 942089	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	819
FI 942002	RAS FLOW INDICATOR	0	25	MGD	17510	819

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
FSL 942089A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	819
FSL 942089B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	819
LIT 942070	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	819
LI 942070	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	819
DIT 942070	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	819
	CLARIFIER B-23					
FI 960301	INFLUENT FLOW INDICATOR	0	100	MGD	17510	820
FQI 960301	INFLUENT FLOW TOTALIZER			MG	17510	820
SI 960372	PUMP SPEED INDICATOR	0	100	%	17510	820
TE 960373A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	820
TE 960373B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	820
TE 960372A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	820
TE 960372B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	820
TE 960372C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	820
VT 960372A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	820
VT 960372B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	820
VT 960372C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	820
VT 960372D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	820
TIT 960373	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	820
FI 960309	RAS FLOW INDICATOR	0	25	MGD	17510	820
FSL 960311A	SEAL WATER FLOW SWITCH #1	0	1	GPM	17520	820

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
FSL 960311B	SEAL WATER FLOW SWITCH #2	0	1	GPM	17520	820
LIT 960343	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	820
LI 9460343	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	820
DIT 960343	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	820
	CLARIFIER B-25					
FI 960501	INFLUENT FLOW INDICATOR	0	100	MGD	17510	821
FQI 960501	INFLUENT FLOW TOTALIZER			MG	17510	821
SI 960574	PUMP SPEED INDICATOR	0	100	%	17510	821
TE 960575A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	821
TE 960575B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	821
TE 960574A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	821
TE 960574B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	821
TE 960574C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	821
VT 960574A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	821
VT 960574B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	821
VT 960574C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	821
VT 960574D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	821
TIT 960575	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	821
FI 960509	RAS FLOW INDICATOR	0	25	MGD	17510	821
FSL 960511A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	821
FSL 960511B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	821

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
LIT 960544	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	821
LI 960544	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	821
DIT 960544	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	821
	CLARIFIER B-26					
FI 960601	INFLUENT FLOW INDICATOR	0	100	MGD	17510	822
FQI 960601	INFLUENT FLOW TOTALIZER			MG	17510	822
SI 960672	PUMP SPEED INDICATOR	0	100	%	17510	822
TE 960673A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	822
TE 960673B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	822
TE 960672A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	822
TE 960672B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	822
TE 960672C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	822
VT 960672A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	822
VT 960672B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	822
VT 960672C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	822
VT 960672D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	822
TIT 960673	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	822
FI 960609	RAS FLOW INDICATOR	0	25	MGD	17510	822
FSL 960673A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	822
FSL 960673B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	822
LIT 960643	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	822

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
LI 960643	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	822
DIT 960643	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	822
	CLARIFIER B-27					
FI 960701	INFLUENT FLOW INDICATOR	0	100	MGD	17510	823
FQI 960701	INFLUENT FLOW TOTALIZER			MG	17510	823
SI 960774	PUMP SPEED INDICATOR	0	100	%	17510	823
TE 960775A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	823
TE 960775B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	823
TE 960774A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	823
TE 960774B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	823
TE 960774C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	823
VT 960774A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	823
VT 960774B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	823
VT 960774C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	823
VT 960774D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	823
TIT 960775	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	823
FI 960709	RAS FLOW INDICATOR	0	25	MGD	17510	823
FSL 960711A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	823
FSL 960711B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	823
LIT 960745	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	823
LI 960745	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	823

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
DIT 960745	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	823
	CLARIFIER B-28					
FI 960801	INFLUENT FLOW INDICATOR	0	100	MGD	17510	824
FQI 960801	INFLUENT FLOW TOTALIZER			MG	17510	824
SI 960872	PUMP SPEED INDICATOR	0	100	%	17510	824
TE 960873A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	824
TE 960873B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	824
TE 960872A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	824
TE 960872B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	824
TE 960872C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	824
VT 960872A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	824
VT 960872B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	824
VT 960872C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	824
VT 960872D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	824
TIT 960873	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	824
FI 960809	RAS FLOW INDICATOR	0	25	MGD	17510	824
FSL 960873A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	824
FSL 960873B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	824
LIT 960843	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	824
LI 960843	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	824
DIT 960843	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	824

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
	CLARIFIER B-29					
FI 960901	INFLUENT FLOW INDICATOR	0	100	MGD	17510	825
FQI 960901	INFLUENT FLOW TOTALIZER			MG	17510	825
SI 960974	PUMP SPEED INDICATOR	0	100	%	17510	825
TE 960975A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	825
TE 960975B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	825
TE 960974A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	825
TE 960974B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	825
TE 960974C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	825
VT 960974A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	825
VT 960974B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	825
VT 960974C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	825
VT 960974D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	825
TIT 960975	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	825
FI 960909	RAS FLOW INDICATOR	0	25	MGD	17510	825
FSL 960911A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	825
FSL 960911B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	825
LIT 960944	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	825
LI 960944	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	825
DIT 960944	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	825

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INSTRUMENT NUMBER	DESCRIPTION	LOW RANGE	HIGH RANGE	ENG. UNITS	SPEC. SECTION	DWG. NO.
	CLARIFIER B-30					
FI 961001	INFLUENT FLOW INDICATOR	0	100	MGD	17510	826
FQI 961001	INFLUENT FLOW TOTALIZER			MG	17510	826
SI 961072	PUMP SPEED INDICATOR	0	100	%	17510	826
TE 961073A	MOTOR UPPER BEAR. TEMP. SENSOR	0	200	DEG F	16220	826
TE 961073B	MOTOR LOWER BEAR. TEMP. SENSOR	0	200	DEG F	16220	826
TSH 961072A	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	826
TSH 961072B	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	826
TSH 961072C	STATOR TEMPERATURE SENSOR	0	200	DEG F	16220	826
VT 961072A	MOTOR UPPER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	826
VT 961072B	MOTOR UPPER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	826
VT 961072C	MOTOR LOWER BEAR. X AXIS VIB. TRANS.	0	5	MILS	16220/17550	826
VT 961072D	MOTOR LOWER BEAR. Y AXIS VIB. TRANS.	0	5	MILS	16220/17550	826
TIT 961073	BUILDING TEMPERATURE INDICATING TRANSMITTER	-20	120	DEG F	17550	826
FI 961009	RAS FLOW INDICATOR	0	25	MGD	17510	826
FQI 961009	RAS FLOW TOTALIZER			MG	17510	826
FSL 961011A	SEAL WATER FLOW SWITCH #1	0	1	GPM	DWG D-08-06-400, NOTE 6	826
FSL 961011B	SEAL WATER FLOW SWITCH #2	0	1	GPM	DWG D-08-06-400, NOTE 6	826
LIT 961043	SLUDGE BLANKET LEVEL DETECTOR	0	15	FT	17540	826
LI 961043	SLUDGE BLANKET LEVEL INDICATOR	0	15	FT	17510	826
DIT 961072	RAS DENSITY (TURBIDITY) TRANSMITTER	0	5	%SS	17540	826

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2.2 OVATION I/O SCHEDULE

I/O TYPES: DI: DIGITAL INPUT DO: DIGITAL OUTPUT
AI: ANALOG INPUT AO: ANALOG OUTPUT

I/O points in **BOLD** are new.

Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U942161B	**B1 BLDG GAS ALARM**	**DI**	**22**	**1.2.1**	**2**				**CLEAR**	**ALARM**	**802**
U942161A	**B1 BLDG HDVU ALARM**	**DI**	**22**	**1.2.1**	**1**				**CLEAR**	**ALARM**	**802**
U942161C	**B1 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.1**	**3**				**CLEAR**	**ALARM**	**802**
T942161	**B1 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**1**	**-20**	**120**	**DEG F**			**802**
N942110B	B1 BP STARTER	DI	22	1.1.1	8				LINE	BYPASS	802
W942181H	B1 CTR DRV HI TORQ	DI	22	1.1.1	1				ALARM	CLEAR	802
W942190H	B1 CTR DRV IMP HI TORQ	DI	22	1.1.1	3				ALARM	CLEAR	802
N942172R	B1 CTR DRV MTR RUN STAT	DI	22	1.1.1	2				RUN	NO RUN	802
X942172P	B1 CTR DRV MTR STP CMD	DO	22	1.2.6	1				STOP	NO STP	802
L942168L	B1 CTR DRV OIL LVL LO	DI	22	1.1.1	4				CLEAR	ALARM	802
F942101	B1 INF FL	AI	22	1.3.2	1	0	100	MGD			802
Z942101	B1 INF FL VLV POS	AI	22	1.3.1	5	0	100	PCNT			802
Y942101	**B1 INF VLV POS CMD**	**AO**	**22**			**0**	**100**	**PCNT**			**802**
N942101A	B1 INF VLV RMT STAT	DI	22	1.1.2	13				NO RMT	REMOTE	802
F942115	B1 RAS FL	AI	22	1.3.2	2	0	25	MGD			802

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
T942108H	B1 RAS PMP BRNG TEMP HI	DI	22	1.1.1	9				CLEAR	ALARM	802
Y942115	**B1 RAS PMP FL CTRL**	**AO**	**22**	**1.4.6**	**1**	**0**	**100**	**PCNT**			**802**
J942161	B1 RAS PMP MTR PWR	AI	22	1.3.2	4	0	**100**	KW			802
N942110G	B1 RAS PMP MTR RDY STAT	DI	22	1.1.6	1				READY	NO RDY	802
N942161A	B1 RAS PMP MTR RMT STAT	DI	22	1.1.1	5				NO RMT	REMOTE	802
N942161R	B1 RAS PMP MTR RUN STAT	DI	22	1.1.1	6				RUN	NO RUN	802
X942161P	B1 RAS PMP MTR STP CMD	DO	22	1.2.6	4				STOP	NO STP	802
X942161S	B1 RAS PMP MTR STR CMD	DO	22	1.2.6	5				START	NO STR	802
F942161L	**B1 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.1**	**10**				**CLEAR**	**ALARM**	**802**
S942109	B1 RAS PMP SPD	AI	22	1.3.2	3	0	100	PCNT			802
T942110H	B1 RAS PMP STTR WND TEMP HI	DI	22	1.1.6	2				CLEAR	ALARM	802
V942110H	**B1 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**802**
L942170	B1 SLG BLNK DEPTH	AI	22	1.3.2	7	0	15	FT			802
A942170	**B1 RAS DENSITY**	**AI**	**22**	**1.3.2**	**8**	**0**	**5**	**% SS**			**802**
L942153H	B1 SUMP PMP LVL HI	DI	22	1.1.1	7				CLEAR	ALARM	802
N942111B	B1 VFD BP	DI	22	1.1.6	3				LINE	BYPASS	802
N942110B	B1 VFD BYPASS STARTER ON	DI							RUN	NO RUN	802
N942111T	B1 VFD FAULT	DI	22	1.1.6	4				CLEAR	ALARM	802
Y942215	**B2 RAS PMP FL CTRL**	**AO**	**22**	**1.4.6**	**2**	**0**	**100**	**PCNT**			**802**
U942261B	**B2 BLDG GAS ALARM**	**DI**	**22**	**1.2.1**	**6**				**CLEAR**	**ALARM**	**803**
U942261A	**B2 BLDG HDVU ALARM**	**DI**	**22**	**1.2.1**	**5**				**CLEAR**	**ALARM**	**803**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U942261C	**B2 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.1**	**7**				**CLEAR**	**ALARM**	**803**
T942261	**B2 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**2**	**-20**	**120**	**DEG F**			**803**
N942210B	B2 BP STARTER	DI	22	1.1.2	11				LINE	BYPASS	803
W942290H	B2 CTR DRV HI TORQ	DI	22	1.1.2	1				ALARM	CLEAR	803
W942289H	B2 CTR DRV IMP HI TORQ	DI	22	1.1.2	5				ALARM	CLEAR	803
N942274R	B2 CTR DRV MTR RUN STAT	DI	22	1.1.2	2				RUN	NO RUN	803
X942274P	B2 CTR DRV MTR STP CMD	DO	22	1.2.6	6				STOP	NO STP	803
L942268L	B2 CTR DRV OIL LVL LO	DI	22	1.1.2	4				CLEAR	ALARM	803
F942201	B2 INF FL	AI	22	1.3.3	1	0	100	MGD			803
Z942201	B2 INF FL VLV POS	AI	22	1.3.1	6	0	100	PCNT			803
Y942201	**B2 INF VLV POS CMD**	**AO**	**22**	**1.2.6**	**7**	**0**	**100**	**PCNT**			**803**
N942201A	B2 INF VLV RMT STAT	DI	22	1.1.2	14				NO RMT	REMOTE	803
F942215	B2 RAS FL	AI	22	1.3.3	2	0	25	MGD			803
T942208H	B2 RAS PMP BRNG TEMP HI	DI	22	1.1.2	12				CLEAR	ALARM	803
J942261	B2 RAS PMP MTR PWR	AI	22	1.3.3	4	0	**100**	KW			803
N942210G	B2 RAS PMP MTR RDY STAT	DI	22	1.1.2	8				READY	NO RDY	803
N942261A	B2 RAS PMP MTR RMT STAT	DI	22	1.1.2	6				NO RMT	REMOTE	803
N942261R	B2 RAS PMP MTR RUN STAT	DI	22	1.1.2	7				RUN	NO RUN	803
X942261P	B2 RAS PMP MTR STP CMD	DO	22	1.2.6	10				STOP	NO STP	803
X942261S	B2 RAS PMP MTR STR CMD	DO	22	1.2.6	9				START	NO STR	803
F942261L	**B2 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.2**	**10**				**CLEAR**	**ALARM**	**803**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
S942209	B2 RAS PMP SPD	AI	22	1.3.3	3	0	100	PCNT			803
T942210H	B2 RAS PMP STTR WND TEMP HI	DI	22	1.1.6	5				CLEAR	ALARM	803
V942210H	**B2 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**803**
L942274	B2 SLG BLNK DEPTH	AI	22	1.3.3	7	0	15	FT			803
A942274	**B2 RAS DENSITY**	**AI**	**22**	**1.3.3**	**8**	**0**	**5**	**% SS**			**803**
L942253H	B2 SUMP PMP LVL HI	DI	22	1.1.2	9				CLEAR	ALARM	803
N942211B	B2 VFD BP	DI	22	1.1.6	6				LINE	BYPASS	803
N942211T	B2 VFD FAULT	DI	22	1.1.6	7				CLEAR	ALARM	803
U942350B	**B3 BLDG GAS ALARM**	**DI**	**22**	**1.2.1**	**10**				**CLEAR**	**ALARM**	**804**
U942350A	**B3 BLDG HDVU ALARM**	**DI**	**22**	**1.2.1**	**9**				**CLEAR**	**ALARM**	**804**
U942350C	**B3 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.1**	**11**				**CLEAR**	**ALARM**	**804**
T942350	**B3 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**3**	**-20**	**120**	**DEG F**			**804**
N942328B	B3 BP STARTER	DI	22	1.1.3	10				LINE	BYPASS	804
W942376H	B3 CTR DRV HI TORQ	DI	22	1.1.3	4				ALARM	CLEAR	804
W942377H	B3 CTR DRV IMP HI TORQ	DI	22	1.1.3	1				ALARM	CLEAR	804
N942341R	B3 CTR DRV MTR RUN STAT	DI	22	1.1.2	3				RUN	NO RUN	804
X942341P	B3 CTR DRV MTR STP CMD	DO	22	1.2.7	1				STOP	NO STP	804
L942368L	B3 CTR DRV OIL LVL LO	DI	22	1.1.3	2				CLEAR	ALARM	804
F942301	B3 INF FL	AI	22	1.3.4	1	0	100	MGD			804
Z942301	B3 INF FL VLV POS	AI	22	1.3.1	1	0	100	PCNT			804
Y942301	**B3 INF VLV POS CMD**	**AO**	**22**	**1.2.7**	**2**	**0**	**100**	**PCNT**			**804**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N942301A	B3 INF VLV RMT STAT	DI	22	1.1.2	15				NO RMT	REMOTE	804
F942309	B3 RAS FL	AI	22	1.3.4	2	0	25	MGD			804
T942349H	B3 RAS PMP BRNG TEMP HI	DI	22	1.1.3	11				CLEAR	ALARM	804
Y942309	B3 RAS PMP FL CTRL	AO	22	1.4.7	2	0	100	PCNT			804
J942350	B3 RAS PMP MTR PWR	AI	22	1.3.4	3	0	**100**	KW			804
N942311G	B3 RAS PMP MTR RDY STAT	DI	22	1.1.3	5				READY	NO RDY	804
N942350A	B3 RAS PMP MTR RMT STAT	DI	22	1.1.3	7				N0 RMT	REMOTE	804
N942350R	B3 RAS PMP MTR RUN STAT	DI	22	1.1.3	8				RUN	NO RUN	804
X942350P	B3 RAS PMP MTR STP CMD	DO	22	1.2.7	5				STOP	NO STP	804
X942350S	B3 RAS PMP MTR STR CMD	DO	22	1.2.7	4				START	NO STR	804
F942350L	**B3 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.3**	**12**				**CLEAR**	**ALARM**	**804**
S942349	B3 RAS PMP SPD	AI	22	1.3.4	5	0	100	PCNT			804
T942350H	B3 RAS PMP STTR WND TEMP HI	DI	22	1.1.3	13				CLEAR	ALARM	804
V942350H	**B3 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**804**
L942341	B3 SLG BLNK DEPTH	AI	22	1.3.4	7	0	15	FT			804
A942341	**B3 RAS DENSITY**	**AI**	**22**	**1.3.4**	**8**	**0**	**5**	**% SS**			**804**
L942336H	B3 SUMP PMP LVL HI	DI	22	1.1.3	9				CLEAR	ALARM	804
N942311B	B3 VFD BP	DI	22	1.1.3	14				LINE	BYPASS	804
N942311T	B3 VFD FAULT	DI	22	1.1.3	15				CLEAR	ALARM	804
U942450B	**B4 BLDG GAS ALARM**	**DI**	**22**	**1.2.1**	**14**				**CLEAR**	**ALARM**	**805**
U942450A	**B4 BLDG HDVU ALARM**	**DI**	**22**	**1.2.1**	**13**				**CLEAR**	**ALARM**	**805**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U942450C	**B4 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.1**	**15**				**CLEAR**	**ALARM**	**805**
T942450	**B4 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**4**	**-20**	**120**	**DEG F**			**805**
N942428B	B4 BP STARTER	DI	22	1.1.4	3				LINE	BYPASS	805
W942474H	B4 CTR DRV HI TORQ	DI	22	1.1.4	1				ALARM	CLEAR	805
W942473H	B4 CTR DRV IMP HI TORQ	DI	22	1.1.4	4				ALARM	CLEAR	805
N942441R	B4 CTR DRV MTR RUN STAT	DI	22	1.1.4	5				RUN	NO RUN	805
X942441P	B4 CTR DRV MTR STP CMD	DO	22	1.2.7	6				STOP	NO STP	805
L942468L	B4 CTR DRV OIL LVL LO	DI	22	1.1.4	2				CLEAR	ALARM	805
F942401	B4 INF FL	AI	22	1.3.5	1	0	100	MGD			805
Z942401	B4 INF FL VLV POS	AI	22	1.3.1	2	0	100	PCNT			805
Y942401	**B4 INF VLV POS CMD**	**AO**	**22**	**1.2.7**	**7**	**0**	**100**	**PCNT**			**805**
N942401A	B4 INF VLV RMT STAT	DI	22	1.1.2	16				NO RMT	REMOTE	805
F942409	B4 RAS FL	AI	22	1.3.5	2	0	25	MGD			805
T942449H	B4 RAS PMP BRNG TEMP HI	DI	22	1.1.4	7				CLEAR	ALARM	805
Y942409	B4 RAS PMP FL CTRL	AO	22	1.4.7	3	0	100	PCNT			805
J942450	B4 RAS PMP MTR PWR	AI	22	1.3.5	3	0	**100**	KW			805
N942411G	B4 RAS PMP MTR RDY STAT	DI	22	1.1.4	6				READY	NO RDY	805
N942450A	B4 RAS PMP MTR RMT STAT	DI	22	1.1.4	8				NO RMT	REMOTE	805
N942450R	B4 RAS PMP MTR RUN STAT	DI	22	1.1.4	9				RUN	NO RUN	805
X942450P	B4 RAS PMP MTR STP CMD	DO	22	1.2.7	10				STOP	NO STP	805
X942450S	B4 RAS PMP MTR STR CMD	DO	22	1.2.7	9				START	NO STR	805

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
F942450L	**B4 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.6**	**8**				**CLEAR**	**ALARM**	**805**
S942449	B4 RAS PMP SPD	AI	22	1.3.5	4	0	100	PCNT			805
T942450H	B4 RAS PMP STTR WND TEMP HI	DI	22	1.1.6	9				CLEAR	ALARM	805
V942450H	**B4 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**805**
L942441	B4 SLG BLNK DEPTH	AI	22	1.3.5	7	0	15	FT			805
A942441	**B4 RAS DENSITY**	**AI**	**22**	**1.3.5**	**8**	**0**	**5**	**% SS**			**805**
L942436H	B4 SUMP PMP LVL HI	DI	22	1.1.6	10				CLEAR	ALARM	805
N942411B	B4 VFD BP	DI	22	1.1.6	11				LINE	BYPASS	805
N942411T	B4 VFD FAULT	DI	22	1.1.6	12				CLEAR	ALARM	805
U942550B	**B5 BLDG GAS ALARM**	**DI**	**22**	**1.2.2**	**2**				**CLEAR**	**ALARM**	**806**
U942550A	**B5 BLDG HDVU ALARM**	**DI**	**22**	**1.2.2**	**1**				**CLEAR**	**ALARM**	**806**
U942550C	**B5 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.2**	**3**				**CLEAR**	**ALARM**	**806**
T942550	**B5 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**5**	**-20**	**120**	**DEG F**			**806**
N942528B	B5 BP STARTER	DI	22	1.1.4	15				LINE	BYPASS	806
W942577H	B5 CTR DRV HI TORQ	DI	22	1.1.4	12				ALARM	CLEAR	806
W942576H	B5 CTR DRV IMP HI TORQ	DI	22	1.1.4	10				ALARM	CLEAR	806
N942541R	B5 CTR DRV MTR RUN STAT	DI	22	1.1.4	11				RUN	NO RUN	806
X942541P	B5 CTR DRV MTR STP CMD	DO	22	1.2.8	1				STOP	NO STP	806
L942568L	B5 CTR DRV OIL LVL LO	DI	22	1.1.4	13				CLEAR	ALARM	806
F942501	B5 INF FL	AI	22	1.3.6	1	0	100	MGD			806
Z942501	B5 INF FL VLV POS	AI	22	1.3.1	3	0	100	PCNT			806

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
Y942501	**B5 INF VLV POS CMD**	**AO**	**22**	**1.2.8**	**2**	**0**	**100**	**PCNT**			**806**
N942501A	B5 INF VLV RMT STAT	DI	22	1.1.5	14				NO RMT	REMOTE	806
F942509	B5 RAS FL	AI	22	1.3.6	2	0	25	MGD			806
T942549H	B5 RAS PMP BRNG TEMP HI	DI	22	1.1.4	16				CLEAR	ALARM	806
Y942509	B5 RAS PMP FL CTRL	AO	22	1.4.8	3	0	100	PCNT			806
J942550	B5 RAS PMP MTR PWR	AI	22	1.3.6	3	0	**100**	KW			806
N942511G	B5 RAS PMP MTR RDY STAT	DI	22	1.1.4	14				READY	NO RDY	806
N942550A	B5 RAS PMP MTR RMT STAT	DI	22	1.1.5	2				NO RMT	REMOTE	806
N942550R	B5 RAS PMP MTR RUN STAT	DI	22	1.1.5	3				RUN	NO RUN	806
X942550P	B5 RAS PMP MTR STP CMD	DO	22	1.2.8	5				STOP	NO STP	806
X942550S	B5 RAS PMP MTR STR CMD	DO	22	1.2.8	4				START	NO STR	806
F942550L	**B5 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.5**	**1**				**CLEAR**	**ALARM**	**806**
S942549	B5 RAS PMP SPD	AI	22	1.3.6	4	0	100	PCNT			806
T942550H	B5 RAS PMP STTR WND TEMP HI	DI	22	1.1.6	13				CLEAR	ALARM	806
V942550H	**B5 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**806**
L942541	B5 SLG BLNK DEPTH	AI	22	1.3.6	7	0	15	FT			806
A942541	**B5 RAS DENSITY**	**AI**	**22**	**1.3.6**	**8**	**0**	**5**	**% SS**			**806**
L942536H	B5 SUMP PMP LVL HI	DI	22	1.1.5	4				CLEAR	ALARM	806
N942511B	B5 VFD BP	DI	22	1.1.6	14				LINE	BYPASS	806
N942511T	B5 VFD FAULT	DI	22	1.1.6	15				CLEAR	ALARM	806
U942650B	**B6 BLDG GAS ALARM**	**DI**	**22**	**1.2.2**	**6**				**CLEAR**	**ALARM**	**807**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U942650A	**B6 BLDG HDVU ALARM**	**DI**	**22**	**1.2.2**	**5**				**CLEAR**	**ALARM**	**807**
U942650C	**B6 BLDG SMOKE ALARM**	**DI**	**22**	**1.2.2**	**7**				**CLEAR**	**ALARM**	**807**
T942650	**B6 BLDG TEMPERATURE**	**AI**	**22**	**1.4.1**	**6**	**-20**	**120**	**DEG F**			**807**
N942627B	B6 BP STARTER	DI	22	1.1.6	16				LINE	BYPASS	807
W942674H	B6 CTR DRV HI TORQ	DI	22	1.1.5	5				ALARM	CLEAR	807
W942673H	B6 CTR DRV IMP HI TORQ	DI	22	1.1.5	8				ALARM	CLEAR	807
N942639R	B6 CTR DRV MTR RUN STAT	DI	22	1.1.5	6				RUN	NO RUN	807
X942639P	B6 CTR DRV MTR STP CMD	DO	22	1.2.8	6				STOP	NO STP	807
L942668L	B6 CTR DRV OIL LVL LO	DI	22	1.1.5	7				CLEAR	ALARM	807
F942601	B6 INF FL	AI	22	1.3.7	1	0	100	MGD			807
Z942601	B6 INF FL VLV POS	AI	22	1.3.1	4	0	100	PCNT			807
Y942601	**B6 INF VLV POS CMD**	**AO**	**22**	**1.2.8**	**7**	**0**	**100**	**PCNT**			**807**
N942601A	B6 INF VLV RMT STAT	DI	22	1.1.5	15				NO RMT	REMOTE	807
F942609	B6 RAS FL	AI	22	1.3.7	2	0	25	MGD			807
T942651H	B6 RAS PMP BRNG TEMP HI	DI	22	1.1.5	9				CLEAR	ALARM	807
Y942609	B6 RAS PMP FL CTRL	AO	22	1.4.8	2	0	100	PCNT			807
J942650	B6 RAS PMP MTR PWR	AI	22	1.3.7	3	0	**100**	KW			807
N942611G	B6 RAS PMP MTR RDY STAT	DI	22	1.1.5	10				READY	NO RDY	807
N942650A	B6 RAS PMP MTR RMT STAT	DI	22	1.1.5	12				NO RMT	REMOTE	807
N942650R	B6 RAS PMP MTR RUN STAT	DI	22	1.1.5	11				RUN	NO RUN	807
X942650P	B6 RAS PMP MTR STP CMD	DO	22	1.2.8	10				STOP	NO STP	807

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
X942650S	B6 RAS PMP MTR STR CMD	DO	22	1.2.8	9				START	NO STR	807
F942650L	**B6 RAS PMP SEAL WATER LOW FLOW**	**DI**	**22**	**1.1.7**	**1**				**CLEAR**	**ALARM**	**807**
S942651	B6 RAS PMP SPD	AI	22	1.3.7	4	0	100	PCNT			807
T942650H	B6 RAS PMP STTR WND TEMP HI	DI	22	1.1.7	2				CLEAR	ALARM	807
V942650H	**B6 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**807**
L942639	B6 SLG BLNK DEPTH	AI	22	1.3.7	7	0	15	FT			807
A942639	**B6 RAS DENSITY**	**AI**	**22**	**1.3.7**	**8**	**0**	**5**	**% SS**			**807**
L942644H	B6 SUMP PMP LVL HI	DI	22	1.1.5	13				CLEAR	ALARM	807
N942611B	B6 VFD BP	DI	22	1.1.7	3				LINE	BYPASS	807
N942611T	B6 VFD FAULT	DI	22	1.1.7	4				CLEAR	ALARM	807
U942861B	**B8 BLDG GAS ALARM**	**DI**	**23**	**1.2.1**	**2**				**CLEAR**	**ALARM**	**808**
U942861A	**B8 BLDG HDVU ALARM**	**DI**	**23**	**1.2.1**	**1**				**CLEAR**	**ALARM**	**808**
U942861C	**B8 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.1**	**3**				**CLEAR**	**ALARM**	**808**
T942861	**B8 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**1**	**-20**	**120**	**DEG F**			**808**
N942810B	B8 BP STARTER	DI	23	1.1.4	16				LINE	BYPASS	808
W942877H	B8 CTR DRV HI TORQ	DI	23	1.1.5	1				ALARM	CLEAR	808
W942878H	B8 CTR DRV IMP HI TORQ	DI	23	1.1.5	2				ALARM	CLEAR	808
N942874R	B8 CTR DRV MTR RUN STAT	DI	23	1.1.5	3				RUN	NO RUN	808
X942874P	B8 CTR DRV MTR STP CMD	DO	23	1.2.6	1				STOP	NO STP	808
L942889L	B8 CTR DRV OIL LVL LO	DI	23	1.1.5	5				CLEAR	ALARM	808
F942801	B8 INF FL	AI	23	1.3.6	1	0	100	MGD			808

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
Y942801	**B8 INF VLV POS CMD**	**AO**	**23**	**1.2.6**	**2**	**0**	**100**	**PCNT**			**808**
Z942801	B8 INF VLV POS	AI	23	1.3.1	3	0	100	PCNT			808
N942801A	B8 INF VLV RMT STAT	DI	23	1.1.1	14				NO RMT	REMOTE	808
F942815	B8 RAS FL	AI	23	1.3.6	2	0	25	MGD			808
T942808H	B8 RAS PMP BRNG TEMP HI	DI	23	1.1.5	6				CLEAR	ALARM	808
Y942815	**B8 RAS PMP FL CTRL**	**AO**	**23**	**1.4.6**	**1**	**0**	**100**	**PCNT**			**808**
J942861	B8 RAS PMP MTR PWR	AI	23	1.3.6	4	0	**100**	KW			808
N942810G	B8 RAS PMP MTR RDY STAT	DI	23	1.1.7	4				READY	NO RDY	808
N942861A	B8 RAS PMP MTR RMT STAT	DI	23	1.1.5	8				NO RMT	REMOTE	808
N942861R	B8 RAS PMP MTR RUN STAT	DI	23	1.1.5	7				RUN	NO RUN	808
X942861P	B8 RAS PMP MTR STP CMD	DO	23	1.2.6	5				STOP	NO STP	808
X942861S	B8 RAS PMP MTR STR CMD	DO	23	1.2.6	4				START	NO STR	808
F942861L	**B8 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.7**	**2**				**CLEAR**	**ALARM**	**808**
S942809	B8 RAS PMP SPD	AI	23	1.3.6	3	0	100	PCNT			808
T942810H	B8 RAS PMP STTR WND TEMP HI	DI	23	1.1.8	2				CLEAR	ALARM	808
V942810H	**B8 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**808**
L942874	B8 SLG BLNK DEPTH	AI	23	1.3.6	7	0	15	FT			808
A942874	**B8 RAS DENSITY**	**AI**	**23**	**1.3.6**	**8**	**0**	**5**	**% SS**			**808**
L942853H	B8 SUMP PMP LVL HI	DI	23	1.1.5	9				CLEAR	ALARM	808
N942811B	B8 VFD BP	DI	23	1.1.8	3				LINE	BYPASS	808
N942811T	B8 VFD FAULT	DI	23	1.1.8	4				CLEAR	ALARM	808

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U942961B	**B9 BLDG GAS ALARM**	**DI**	**23**	**1.2.1**	**6**				**CLEAR**	**ALARM**	**809**
U942961A	**B9 BLDG HDVU ALARM**	**DI**	**23**	**1.2.1**	**5**				**CLEAR**	**ALARM**	**809**
U942961C	**B9 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.1**	**7**				**CLEAR**	**ALARM**	**809**
T942961	**B9 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**2**	**-20**	**120**	**DEG F**			**809**
N942910B	B9 BP STARTER	DI	23	1.1.8	5				LINE	BYPASS	809
W942977H	B9 CTR DRV HI TORQ	DI	23	1.1.5	11				ALARM	CLEAR	809
W942978H	B9 CTR DRV IMP HI TORQ	DI	23	1.1.5	10				ALARM	CLEAR	809
N942974R	B9 CTR DRV MTR RUN STAT	DI	23	1.1.5	4				RUN	NO RUN	809
X942974P	B9 CTR DRV MTR STP CMD	DO	23	1.2.6	6				STOP	NO STP	809
L942998L	B9 CTR DRV OIL LVL LO	DI	23	1.1.5	12				CLEAR	ALARM	809
F942901	B9 INF FL	AI	23	1.3.7	1	0	100	MGD			809
Y942901	**B9 INF VLV POS CMD**	**AO**	**23**	**1.2.6**	**7**	**0**	**100**	**PCNT**			**809**
Z942901	B9 INF VLV POS	AI	23	1.3.1	4	0	100	PCNT			809
N942901A	B9 INF VLV RMT STAT	DI	23	1.1.1	15				NO RMT	REMOTE	809
F942915	B9 RAS FL	AI	23	1.3.7	2	0	25	MGD			809
T942908H	B9 RAS PMP BRNG TEMP HI	DI	23	1.1.8	6				CLEAR	ALARM	809
Y942915	**B9 RAS PMP FL CTRL**	**AO**	**23**	**1.4.6**	**2**	**0**	**100**	**PCNT**			**809**
J942961	B9 RAS PMP MTR PWR	AI	23	1.3.7	4	0	**100**	KW			809
N942910G	B9 RAS PMP MTR RDY STAT	DI	23	1.1.5	13				READY	NO RDY	809
N942961A	B9 RAS PMP MTR RMT STAT	DI	23	1.1.5	14				NO RMT	REMOTE	809
N942961R	B9 RAS PMP MTR RUN STAT	DI	23	1.1.5	15				RUN	NO RUN	809

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
X942961P	B9 RAS PMP MTR STP CMD	DO	23	1.2.6	10				STOP	NO STP	809
X942961S	B9 RAS PMP MTR STR CMD	DO	23	1.2.6	9				START	NO STR	809
F942961L	**B9 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.7**	**3**				**CLEAR**	**ALARM**	**809**
S942909	B9 RAS PMP SPD	AI	23	1.3.7	3	0	100	PCNT			809
T942910H	B9 RAS PMP STTR WND TEMP HI	DI	23	1.1.8	7				CLEAR	ALARM	809
V942910H	**B1 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**809**
L942974	B9 SLG BLNK DEPTH	AI	23	1.3.7	7	0	15	FT			809
A942974	**B9 RAS DENSITY**	**AI**	**23**	**1.3.7**	**8**	**0**	**5**	**% SS**			**809**
L942943H	B9 SUMP PMP LVL HI	DI	23	1.1.5	16				CLEAR	ALARM	809
N942911B	B9 VFD BP	DI	23	1.1.8	8				LINE	BYPASS	809
N942911T	B9 VFD FAULT	DI	23	1.1.8	9				CLEAR	ALARM	809
U943061B	**B10 BLDG GAS ALARM**	**DI**	**23**	**1.2.1**	**10**				**CLEAR**	**ALARM**	**810**
U943061A	**B10 BLDG HDVU ALARM**	**DI**	**23**	**1.2.1**	**9**				**CLEAR**	**ALARM**	**810**
U943061C	**B10 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.1**	**11**				**CLEAR**	**ALARM**	**810**
T943061	**B10 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**3**	**-20**	**120**	**DEG F**			**810**
N942010B	B10 BP STARTER	DI	23	1.1.1	8				LINE	BYPASS	810
W943080H	B10 CTR DRV HI TORQ	DI	23	1.1.1	2				ALARM	CLEAR	810
W943079H	B10 CTR DRV IMP HI TORQ	DI	23	1.1.1	1				ALARM	CLEAR	810
N943074R	B10 CTR DRV MTR RUN STAT	DI	23	1.1.1	3				RUN	NO RUN	810
X943074P	B10 CTR DRV MTR STP CMD	DO	23	1.2.7	1				STOP	NO STP	810
L943073L	B10 CTR DRV OIL LVL LO	DI	23	1.1.1	4				CLEAR	ALARM	810

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
F943001	B10 INF FL	AI	23	1.3.2	1	0	100	MGD			810
Y943001	**B10 INF VLV POS CMD**	**AO**	**23**	**1.2.7**	**2**	**0**	**100**	**PCNT**			**810**
Z943001	B10 INF VLV POS	AI	23	1.3.1	5	0	100	PCNT			810
N943001A	B10 INF VLV RMT STAT	DI	23	1.1.1	16				NO RMT	REMOTE	810
F943015	B10 RAS FL	AI	23	1.3.2	2	0	25	MGD			810
T943008H	B10 RAS PMP BRNG TEMP HI	DI	23	1.1.1	10				CLEAR	ALARM	810
Y943015	**B10 RAS PMP FL CTRL**	**AO**	**23**	**1.4.7**	**1**	**0**	**100**	**PCNT**			**810**
J943061	B10 RAS PMP MTR PWR	AI	23	1.3.2	4	0	**100**	KW			810
N943010G	B10 RAS PMP MTR RDY STAT	DI	23	1.1.1	6				READY	NO RDY	810
N943061A	B10 RAS PMP MTR RMT STAT	DI	23	1.1.1	5				NO RMT	REMOTE	810
N943061R	B10 RAS PMP MTR RUN STAT	DI	23	1.1.1	7				RUN	NO RUN	810
X943061P	B10 RAS PMP MTR STP CMD	DO	23	1.2.7	5				STOP	NO STP	810
X943061S	B10 RAS PMP MTR STR CMD	DO	23	1.2.7	4				START	NO STR	810
F943061L	**B10 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.1**	**11**				**CLEAR**	**ALARM**	**810**
S943009	B10 RAS PMP SPD	AI	23	1.3.2	3	0	100	PCNT			810
T943010H	B10 RAS PMP STTR WND TEMP HI	DI	23	1.1.1	12				CLEAR	ALARM	810
V943010H	**B10 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**810**
L943074	B10 SLG BLNK DEPTH	AI	23	1.3.2	6	0	15	FT			810
A943074	**B10 RAS DENSITY**	**AI**	**23**	**1.3.2**	**7**	**0**	**5**	**% SS**			**810**
L943053H	B10 SUMP PMP LVL HI	DI	23	1.1.1	9				CLEAR	ALARM	810
N942011B	B10 VFD BP	DI	23	1.1.1	13				LINE	BYPASS	810

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N942011T	B10 VFD FAULT	DI	23	1.1.7	1				CLEAR	ALARM	810
U943274B	**B12 BLDG GAS ALARM**	**DI**	**23**	**1.2.1**	**14**				**CLEAR**	**ALARM**	**811**
U943274A	**B12 BLDG HDVU ALARM**	**DI**	**23**	**1.2.1**	**13**				**CLEAR**	**ALARM**	**811**
U943274C	**B12 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.1**	**15**				**CLEAR**	**ALARM**	**811**
T943274	**B12 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**4**	**-20**	**120**	**DEG F**			**811**
N943229B	B12 BP STARTER	DI	23	1.1.2	7				LINE	BYPASS	811
W943249H	B12 CTR DRV HI TORQ	DI	23	1.1.2	4				ALARM	CLEAR	811
W943248H	B12 CTR DRV IMP HI TORQ	DI	23	1.1.2	1				ALARM	CLEAR	811
N943244R	B12 CTR DRV MTR RUN STAT	DI	23	1.1.2	2				RUN	NO RUN	811
X943244P	B12 CTR DRV MTR STP CMD	DO	23	1.2.8	1				STOP	NO STP	811
L943278L	B12 CTR DRV OIL LVL LO	DI	23	1.1.2	3				CLEAR	ALARM	811
F943201	B12 INF FL	AI	23	1.3.3	1	0	100	MGD			811
Y943201	**B12 INF VLV POS CMD**	**AO**	**23**	**1.2.8**	**2**	**0**	**100**	**PCNT**			**811**
Z943201	B12 INF VLV POS	AI	23	1.3.1	6	0	100	PCNT			811
N943201A	B12 INF VLV RMT STAT	DI	23	1.1.2	15				NO RMT	REMOTE	811
F943209	B12 RAS FL	AI	23	1.3.3	2	0	25	MGD			811
T943275H	B12 RAS PMP BRNG TEMP HI	DI	23	1.1.2	8				CLEAR	ALARM	811
Y943209	B12 RAS PMP FL CTRL	AO	23	1.4.8	2	0	100	PCNT			811
J943274	B12 RAS PMP MTR PWR	AI	23	1.3.3	5	0	**100**	KW			811
N943211G	B12 RAS PMP MTR RDY STAT	DI	23	1.1.2	5				READY	NO RDY	811
N943274A	B12 RAS PMP MTR RMT STAT	DI	23	1.1.2	13				NO RMT	REMOTE	811

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943274R	B12 RAS PMP MTR RUN STAT	DI	23	1.1.2	6				RUN	NO RUN	811
X943274P	B12 RAS PMP MTR STP CMD	DO	23	1.2.8	5				STOP	NO STP	811
X943274S	B12 RAS PMP MTR STR CMD	DO	23	1.2.8	4				START	NO STR	811
F943274L	**B12 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.2**	**10**				**CLEAR**	**ALARM**	**811**
S943275	B12 RAS PMP SPD	AI	23	1.3.3	3	0	100	PCNT			811
T943274H	B12 RAS PMP STTR WND TEMP HI	DI	23	1.1.2	11				CLEAR	ALARM	811
V943274H	**B12 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**811**
L943244	B12 SLG BLNK DEPTH	AI	23	1.3.3	6	0	15	FT			811
A943244	**B12 RAS DENSITY**	**AI**	**23**	**1.3.3**	**7**	**0**	**5**	**% SS**			**811**
L943240H	B12 SUMP PMP LVL HI	DI	23	1.1.2	9				CLEAR	ALARM	811
N943211B	B12 VFD BP	DI	23	1.1.2	12				LINE	BYPASS	811
N943211T	B12 VFD FAULT	DI	23	1.1.2	14				CLEAR	ALARM	811
U943374B	**B13 BLDG GAS ALARM**	**DI**	**23**	**1.2.2**	**2**				**CLEAR**	**ALARM**	**812**
U943374A	**B13 BLDG HDVU ALARM**	**DI**	**23**	**1.2.2**	**1**				**CLEAR**	**ALARM**	**812**
U943374C	**B13 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.2**	**3**				**CLEAR**	**ALARM**	**812**
T943374	**B13 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**5**	**-20**	**120**	**DEG F**			**812**
N943329B	B13 BP STARTER	DI	23	1.1.3	6				LINE	BYPASS	812
W943349H	B13 CTR DRV HI TORQ	DI	23	1.1.3	4				ALARM	CLEAR	812
W943348H	B13 CTR DRV IMP HI TORQ	DI	23	1.1.3	1				ALARM	CLEAR	812
N943344R	B13 CTR DRV MTR RUN STAT	DI	23	1.1.3	2				RUN	NO RUN	812
X943344P	B13 CTR DRV MTR STP CMD	DO	23	1.2.8	6				STOP	NO STP	812

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
L943380L	B13 CTR DRV OIL LVL LO	DI	23	1.1.3	3				CLEAR	ALARM	812
F943301	B13 INF FL	AI	23	1.3.4	1	0	100	MGD			812
Y943301	**B13 INF VLV POS CMD**	**AO**	**23**	**1.2.8**	**7**	**0**	**100**	**PCNT**			**812**
Z943301	B13 INF VLV POS	AI	23	1.3.1	1	0	100	PCNT			812
N943304A	B13 INF VLV RMT STAT	DI	23	1.1.2	16				NO RMT	REMOTE	812
F943309	B13 RAS FL	AI	23	1.3.4	2	0	25	MGD			812
T943375H	B13 RAS PMP BRNG TEMP HI	DI	23	1.1.3	10				CLEAR	ALARM	812
Y943309	B13 RAS PMP FL CTRL	AO	23	1.4.8	4	0	100	PCNT			812
J943374	B13 RAS PMP MTR PWR	AI	23	1.3.4	3	0	**100**	KW			812
N943311G	B13 RAS PMP MTR RDY STAT	DI	23	1.1.3	5				READY	NO RDY	812
N943374A	B13 RAS PMP MTR RMT STAT	DI	23	1.1.3	8				REMOTE	NO RMT	812
N943374R	B13 RAS PMP MTR RUN STAT	DI	23	1.1.3	7				RUN	NO RUN	812
X943374P	B13 RAS PMP MTR STP CMD	DO	23	1.2.8	10				STOP	NO STP	812
X943374S	B13 RAS PMP MTR STR CMD	DO	23	1.2.8	9				START	NO STR	812
F943374L	**B13 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.3**	**11**				**CLEAR**	**ALARM**	**812**
S943375	B13 RAS PMP SPD	AI	23	1.3.4	4	0	100	PCNT			812
T943374H	B13 RAS PMP STTR WND TEMP HI	DI	23	1.1.3	12				CLEAR	ALARM	812
V943374H	**B13 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**812**
L943344	B13 SLG BLNK DEPTH	AI	23	1.3.4	7	0	15	FT			812
A943344	**B13 RAS DENSITY**	**AI**	**23**	**1.3.4**	**8**	**0**	**5**	**% SS**			**812**
L943340H	B13 SUMP PMP LVL HI	DI	23	1.1.3	9				CLEAR	ALARM	812

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943311B	B13 VFD BP	DI	23	1.1.3	13				LINE	BYPASS	812
N943311T	B13 VFD FAULT	DI	23	1.1.3	14				CLEAR	ALARM	812
U943461B	**B14 BLDG GAS ALARM**	**DI**	**23**	**1.2.2**	**6**				**CLEAR**	**ALARM**	**813**
U943461A	**B14 BLDG HDVU ALARM**	**DI**	**23**	**1.2.2**	**5**				**CLEAR**	**ALARM**	**813**
U943461C	**B14 BLDG SMOKE ALARM**	**DI**	**23**	**1.2.2**	**7**				**CLEAR**	**ALARM**	**813**
T043461	**B14 BLDG TEMPERATURE**	**AI**	**23**	**1.4.1**	**6**	**-20**	**120**	**DEG F**			**813**
N943410B	B14 BP STARTER	DI	23	1.1.4	10				LINE	BYPASS	813
W943441H	B14 CTR DRV HI TORQ	DI	23	1.1.4	2				ALARM	CLEAR	813
W943440H	B14 CTR DRV IMP HI TORQ	DI	23	1.1.4	1				ALARM	CLEAR	813
N943474R	B14 CTR DRV MTR RUN STAT	DI	23	1.1.4	3				RUN	NO RUN	813
X943474P	B14 CTR DRV MTR STP CMD	DO	23	1.2.7	6				STOP	NO STP	813
L943488L	B14 CTR DRV OIL LVL LO	DI	23	1.1.4	4				CLEAR	ALARM	813
F943401	B14 INF FL	AI	23	1.3.5	1	0	100	MGD			813
Y943401	**B14 INF VLV POS CMD**	**AO**	**23**	**1.2.7**	**7**	**0**	**100**	**PCNT**			**813**
Z943401	B14 INF VLV POS	AI	23	1.3.1	2	0	100	PCNT			813
N943401A	B14 INF VLV RMT STAT	DI	23	1.1.3	15				NO RMT	REMOTE	813
F943415	B14 RAS FL	AI	23	1.3.5	2	0	25	MGD			813
T943408H	B14 RAS PMP BRNG TEMP HI	DI	23	1.1.4	11				CLEAR	ALARM	813
Y943415	**B14 RAS PMP FL CTRL**	**AO**	**23**	**1.4.7**	**2**	**0**	**100**	**PCNT**			**813**
J943461	B14 RAS PMP MTR PWR	AI	23	1.3.5	5	0	**100**	KW			813
N943410G	B14 RAS PMP MTR RDY STAT	DI	23	1.1.4	6				READY	NO RDY	813

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943461A	B14 RAS PMP MTR RMT STAT	DI	23	1.1.4	7				NO RMT	REMOTE	813
N943461R	B14 RAS PMP MTR RUN STAT	DI	23	1.1.4	8				RUN	NO RUN	813
X943461P	B14 RAS PMP MTR STP CMD	DO	23	1.2.7	10				STOP	NO STP	813
X943461S	B14 RAS PMP MTR STR CMD	DO	23	1.2.7	9				START	NO STR	813
F943461L	**B14 RAS PMP SEAL WATER LOW FLOW**	**DI**	**23**	**1.1.4**	**12**				**CLEAR**	**ALARM**	**813**
S943409	B14 RAS PMP SPD	AI	23	1.3.5	3	0	100	PCNT			813
T943410H	B14 RAS PMP STTR WND TEMP HI	DI	23	1.1.4	13				CLEAR	ALARM	813
V943410H	**B14 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**813**
L943474	B14 SLG BLNK DEPTH	AI	23	1.3.5	7	0	15	FT			813
A943474	**B14 RAS DENSITY**	**AI**	**23**	**1.3.5**	**8**	**0**	**5**	**% SS**			**813**
L943453H	B14 SUMP PMP LVL HI	DI	23	1.1.4	9				CLEAR	ALARM	813
N943411B	B14 VFD BP	DI	23	1.1.4	14				LINE	BYPASS	813
N943411T	B14 VFD FAULT	DI	23	1.1.4	15				CLEAR	ALARM	813
U943574B	**B15 BLDG GAS ALARM**	**DI**	**25**	**1.2.1**	**2**				**CLEAR**	**ALARM**	**814**
U943574A	**B15 BLDG HDVU ALARM**	**DI**	**25**	**1.2.1**	**1**				**CLEAR**	**ALARM**	**814**
U943574C	**B15 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.1**	**3**				**CLEAR**	**ALARM**	**814**
T943574	**B15 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**1**	**-20**	**120**	**DEG F**			**814**
N943529B	B15 BP STARTER	DI	25	1.1.1	11				LINE	BYPASS	814
W943549H	B15 CTR DRV HI TORQ	DI	25	1.1.1	1				ALARM	CLEAR	814
W943548H	B15 CTR DRV IMP HI TORQ	DI	25	1.1.1	4				ALARM	CLEAR	814
N943544R	B15 CTR DRV MTR STAT	DI	25	1.1.1	2				RUN	NO RUN	814

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
X943544P	B15 CTR DRV MTR STP CMD	DO	25	1.2.8	1				STOP	NO STP	814
L943594L	B15 CTR DRV OIL LVL LO	DI	25	1.1.1	3				CLEAR	ALARM	814
F943501	B15 INF FL	AI	25	1.3.2	1	0	100	MGD			814
N943501A	B15 INF VLV RMT STAT	DI	25	1.1.7	4				NO RMT	REMOTE	814
Y943501	**B15 INF VLV POS CMD**	**AO**	**25**	**1.2.8**	**2**	**0**	**100**	**PCNT**			**814**
Z943501	B15 INF VLV POS	AI	25	1.3.1	1	0	100	PCNT			814
F943509	B15 RAS FL	AI	25	1.3.2	2	0	25	MGD			814
T943575H	B15 RAS PMP BRNG TEMP HI	DI	25	1.1.1	12				CLEAR	ALARM	814
Y943509	B15 RAS PMP FL CTRL	AO	25	1.4.8	1	0	100	PCNT			814
J943574	B15 RAS PMP MTR PWR	AI	25	1.3.2	3	0	**100**	KW			814
N943511G	B15 RAS PMP MTR RDY STAT	DI	25	1.1.1	5				READY	NO RDY	814
N943574A	B15 RAS PMP MTR RMT STAT	DI	25	1.1.1	7				NO RMT	REMOTE	814
N943574R	B15 RAS PMP MTR STAT	DI	25	1.1.1	8				RUN	NO RUN	814
X943574P	B15 RAS PMP MTR STP CMD	DO	25	1.2.8	5				STOP	NO STP	814
X943574S	B15 RAS PMP MTR STR CMD	DO	25	1.2.8	4				START	NO STR	814
F943574L	**B15 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.1**	**10**				**CLEAR**	**ALARM**	**814**
S943575	B15 RAS PMP SPD	AI	25	1.3.2	4	0	100	PCNT			814
T943574H	B15 RAS PMP STTR WND TEMP HI	DI	25	1.1.1	13				CLEAR	ALARM	814
V943574H	**B15 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**814**
L943544	B15 SLG BLNK DEPTH	AI	25	1.3.2	7	0	15	FT			814
A943544	**B15 RAS DENSITY**	**AI**	**25**	**1.3.2**	**8**	**0**	**5**	**% SS**			**814**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
L943540H	B15 SUMP PMP LVL HI	DI	25	1.1.1	9				CLEAR	ALARM	814
N943511B	B15 VFD BP	DI	25	1.1.1	14				LINE	BYPASS	814
N943511T	B15 VFD FAULT	DI	25	1.1.1	15				CLEAR	ALARM	814
U943674B	**B16 BLDG GAS ALARM**	**DI**	**25**	**1.2.1**	**6**				**CLEAR**	**ALARM**	**815**
U943674A	**B16 BLDG HDVU ALARM**	**DI**	**25**	**1.2.1**	**5**				**CLEAR**	**ALARM**	**815**
U943674C	**B16 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.1**	**7**				**CLEAR**	**ALARM**	**815**
T943674	**B16 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**2**	**-20**	**120**	**DEG F**			**815**
N943629B	B16 BP STARTER	DI	25	1.1.2	5				LINE	BYPASS	815
W943649H	B16 CTR DRV HI TORQ	DI	25	1.1.2	1				ALARM	CLEAR	815
W943648H	B16 CTR DRV IMP HI TORQ	DI	25	1.1.2	4				ALARM	CLEAR	815
N943644R	B16 CTR DRV MTR STAT	DI	25	1.1.2	2				RUN	NO RUN	815
X943644P	B16 CTR DRV MTR STP CMD	DO	25	1.2.6	1				STOP	NO STP	815
L943679L	B16 CTR DRV OIL LVL LO	DI	25	1.1.2	3				CLEAR	ALARM	815
F943601	B16 INF FL	AI	25	1.3.3	1	0	100	MGD			815
N943601A	B16 INF VLV RMT STAT	DI	25	1.1.7	5				NO RMT	REMOTE	815
Y943601	**B16 INF VLV POS CMD**	**AO**	**25**	**1.2.6**	**2**	**0**	**100**	**PCNT**			**815**
Z943601	B16 INF VLV POS	AI	25	1.3.1	2	0	100	PCNT			815
F943609	B16 RAS FL	AI	25	1.3.3	2	0	25	MGD			815
T943675H	B16 RAS PMP BRNG TEMP HI	DI	25	1.1.2	12				CLEAR	ALARM	815
Y943609	B16 RAS PMP FL CTRL	AO	25	1.4.8	2	0	100	PCNT			815
J943674	B16 RAS PMP MTR PWR	AI	25	1.3.3	3	0	**100**	KW			815

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943611G	B16 RAS PMP MTR RDY STAT	DI	25	1.1.2	7				READY	NO RDY	815
N943674A	B16 RAS PMP MTR RMT STAT	DI	25	1.1.2	6				REMOTE	NO RMT	815
N943674R	B16 RAS PMP MTR STAT	DI	25	1.1.2	8				RUN	NO RUN	815
X943674P	B16 RAS PMP MTR STP CMD	DO	25	1.2.6	5				STOP	NO STP	815
X943674S	B16 RAS PMP MTR STR CMD	DO	25	1.2.6	4				START	NO STR	815
F943674L	**B16 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.2**	**13**				**CLEAR**	**ALARM**	**815**
S943675	B16 RAS PMP SPD	AI	25	1.3.3	4	0	100	PCNT			815
T943674H	B16 RAS PMP STTR WND TEMP HI	DI	25	1.1.2	14				CLEAR	ALARM	815
V943674H	**B16 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**815**
L943644	B16 SLG BLNK DEPTH	AI	25	1.3.3	7	0	15	FT			815
A943644	**B16 RAS DENSITY**	**AI**	**25**	**1.3.3**	**8**	**0**	**5**	**% SS**			**815**
L943640H	B16 SUMP PMP LVL HI	DI	25	1.1.2	9				CLEAR	ALARM	815
N943611B	B16 VFD BP	DI	25	1.1.2	15				LINE	BYPASS	815
N943611T	B16 VFD FAULT	DI	25	1.1.2	16				CLEAR	ALARM	815
U943789B	**B17 BLDG GAS ALARM**	**DI**	**25**	**1.2.1**	**10**				**CLEAR**	**ALARM**	**816**
U943789A	**B17 BLDG HDVU ALARM**	**DI**	**25**	**1.2.1**	**9**				**CLEAR**	**ALARM**	**816**
U943789C	**B17 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.1**	**11**				**CLEAR**	**ALARM**	**816**
T943789	**B17 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**3**	**-20**	**120**	**DEG F**			**816**
N943750B	B17 BP STARTER	DI	25	1.1.3	6				LINE	BYPASS	816
W943781H	B17 CTR DRV HI TORQ	DI	25	1.1.3	1				ALARM	CLEAR	816
W943780H	B17 CTR DRV IMP HI TORQ	DI	25	1.1.3	4				ALARM	CLEAR	816

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943770R	B17 CTR DRV MTR STAT	DI	25	1.1.3	2				RUN	NO RUN	816
X943770P	B17 CTR DRV MTR STP CMD	DO	25	1.2.7	1				STOP	NO STP	816
L943773L	B17 CTR DRV OIL LVL LO	DI	25	1.1.3	3				CLEAR	ALARM	816
F943718	B17 INF FL	AI	25	1.3.4	1	0	100	MGD			816
N943718A	B17 INF VLV RMT STAT	DI	25	1.1.7	6				NO RMT	REMOTE	816
Y943718	**B17 INF VLV POS CMD**	**AO**	**25**	**1.2.7**	**2**	**0**	**100**	**PCNT**			**816**
Z943718	B17 INF VLV POS	AI	25	1.3.1	3	0	100	PCNT			816
F943702	B17 RAS FL	AI	25	1.3.4	2	0	25	MGD			816
T943755H	B17 RAS PMP BRNG TEMP HI	DI	25	1.1.3	12				CLEAR	ALARM	816
Y943702	B17 RAS PMP FL CTRL	AO	25	1.4.7	1	0	100	PCNT			816
J943789	B17 RAS PMP MTR PWR	AI	25	1.3.4	3	0	**100**	KW			816
N943750G	B17 RAS PMP MTR RDY STAT	DI	25	1.1.3	5				READY	NO RDY	816
N943789A	B17 RAS PMP MTR RMT STAT	DI	25	1.1.3	8				REMOTE	NO RMT	816
N943789R	B17 RAS PMP MTR STAT	DI	25	1.1.3	7				RUN	NO RUN	816
X943789P	B17 RAS PMP MTR STP CMD	DO	25	1.2.7	5				STOP	NO STP	816
X943789S	B17 RAS PMP MTR STR CMD	DO	25	1.2.7	4				START	NO STR	816
F943789L	**B17 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.3**	**13**				**CLEAR**	**ALARM**	**816**
S943749	B17 RAS PMP SPD	AI	25	1.3.4	4	0	100	PCNT			816
T943750H	B17 RAS PMP STTR WND TEMP HI	DI	25	1.1.3	14				CLEAR	ALARM	816
V943750H	**B17 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**816**
L943770	B17 SLG BLNK DEPTH	AI	25	1.3.4	7	0	15	FT			816

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
A943770	**B17 RAS DENSITY**	**AI**	**25**	**1.3.4**	**8**	**0**	**5**	**% SS**			**816**
L943744H	B17 SUMP PMP LVL HI	DI	25	1.1.3	9				CLEAR	ALARM	816
N943751B	B17 VFD BP	DI	25	1.1.3	15				LINE	BYPASS	816
N943751T	B17 VFD FAULT	DI	25	1.1.3	16				ALARM	CLEAR	816
U943875B	**B18 BLDG GAS ALARM**	**DI**	**25**	**1.2.1**	**14**				**CLEAR**	**ALARM**	**817**
U943875A	**B18 BLDG HDVU ALARM**	**DI**	**25**	**1.2.1**	**13**				**CLEAR**	**ALARM**	**817**
U943875C	**B18 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.1**	**15**				**CLEAR**	**ALARM**	**817**
T943875	**B18 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**4**	**-20**	**120**	**DEG F**			**817**
N943828B	B18 BP STARTER	DI	25	1.1.4	6				LINE	BYPASS	817
W943849H	B18 CTR DRV HI TORQ	DI	25	1.1.4	1				ALARM	CLEAR	817
W943848H	B18 CTR DRV IMP HI TORQ	DI	25	1.1.4	4				ALARM	CLEAR	817
N943844R	B18 CTR DRV MTR STAT	DI	25	1.1.4	2				RUN	NO RUN	817
X943844P	B18 CTR DRV MTR STP CMD	DO	25	1.2.6	6				STOP	NO STP	817
L943851L	B18 CTR DRV OIL LVL LO	DI	25	1.1.4	3				CLEAR	ALARM	817
F943801	B18 INF FL	AI	25	1.3.5	1	0	100	MGD			817
N943801A	B18 INF VLV RMT STAT	DI	25	1.1.7	7				NO RMT	REMOTE	817
Y943801	**B18 INF VLV POS CMD**	**AO**	**25**	**1.2.6**	**7**	**0**	**100**	**PCNT**			**817**
Z943801	B18 INF VLV POS	AI	25	1.3.1	4	0	100	PCNT			817
F943809	B18 RAS FL	AI	25	1.3.5	2	0	25	MGD			817
T943875H	B18 RAS PMP BRNG TEMP HI	DI	25	1.1.4	12				CLEAR	ALARM	817
Y943809	B18 RAS PMP FL CTRL	AO	25	1.4.7	2	0	100	PCNT			817

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
J943875	B18 RAS PMP MTR PWR	AI	25	1.3.5	3	0	**100**	KW			817
N943811G	B18 RAS PMP MTR RDY STAT	DI	25	1.1.4	5				READY	NO RDY	817
N943875A	B18 RAS PMP MTR RMT STAT	DI	25	1.1.4	7				NO RMT	REMOTE	817
N943875R	B18 RAS PMP MTR RUN STAT	DI	25	1.1.4	8				RUN	NO RUN	817
X943875P	B18 RAS PMP MTR STP CMD	DO	25	1.2.6	10				STOP	NO STP	817
X943875S	B18 RAS PMP MTR STR CMD	DO	25	1.2.6	9				START	NO STR	817
F943875L	**B18 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.4**	**13**				**CLEAR**	**ALARM**	**817**
S943874	B18 RAS PMP SPD	AI	25	1.3.5	4	0	100	PCNT			817
T943874H	B18 RAS PMP STTR WND TEMP HI	DI	25	1.1.4	14				CLEAR	ALARM	817
V943874H	**B18 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**817**
L943844	B18 SLG BLNK DEPTH	AI	25	1.3.5	7	0	15	FT			817
A943844	**B18 RAS DENSITY**	**AI**	**25**	**1.3.5**	**8**	**0**	**5**	**% SS**			**817**
L943840H	B18 SUMP PMP LVL HI	DI	25	1.1.4	9				CLEAR	ALARM	817
N943875B	B18 VFD BP	DI	25	1.1.4	15				LINE	BYPASS	817
N943875T	B18 VFD FAULT	DI	25	1.1.4	16				CLEAR	ALARM	817
U943989B	**B19 BLDG GAS ALARM**	**DI**	**25**	**1.2.2**	**2**				**CLEAR**	**ALARM**	**818**
U943989A	**B19 BLDG HDVU ALARM**	**DI**	**25**	**1.2.2**	**1**				**CLEAR**	**ALARM**	**818**
U943989C	**B19 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.2**	**3**				**CLEAR**	**ALARM**	**818**
T943989	**B19 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**5**	**-20**	**120**	**DEG F**			**818**
N943950B	B19 BP STARTER	DI	25	1.1.5	6				LINE	BYPASS	818
W943981H	B19 CTR DRV HI TORQ	DI	25	1.1.5	1				ALARM	CLEAR	818

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
W943980H	B19 CTR DRV IMP HI TORQ	DI	25	1.1.5	4				ALARM	CLEAR	818
N943970R	B19 CTR DRV MTR RUN STAT	DI	25	1.1.5	2				RUN	NO RUN	818
X943970P	B19 CTR DRV MTR STP CMD	DO	25	1.2.7	6				STOP	NO STP	818
L943973L	B19 CTR DRV OIL LVL LO	DI	25	1.1.5	3				CLEAR	ALARM	818
F943918	B19 INF FL	AI	25	1.3.6	1	0	100	MGD			818
N943918A	B19 INF VLV RMT STAT	DI	25	1.1.7	8				NO RMT	REMOTE	818
Y943918	**B19 INF VLV POS CMD**	**AO**	**25**	**1.2.7**	**7**	**0**	**100**	**PCNT**			**818**
Z943918	B19 INF VLV POS	AI	25	1.3.1	5	0	100	PCNT			818
F943902	B19 RAS FL	AI	25	1.3.6	2	0	25	MGD			818
T943955H	B19 RAS PMP BRNG TEMP HI	DI	25	1.1.5	10				CLEAR	ALARM	818
Y943902	B19 RAS PMP FL CTRL	AO	25	1.4.6	1	0	100	PCNT			818
J943989	B19 RAS PMP MTR PWR	AI	25	1.3.6	3	0	**100**	KW			818
N943989G	B19 RAS PMP MTR RDY STAT	DI	25	1.1.5	5				READY	NO RDY	818
N943989A	B19 RAS PMP MTR RMT STAT	DI	25	1.1.5	7				REMOTE	NO RMT	818
N943989R	B19 RAS PMP MTR RUN STAT	DI	25	1.1.5	8				RUN	NO RUN	818
X943989P	B19 RAS PMP MTR STP CMD	DO	25	1.2.7	10				STOP	NO STP	818
X943989S	B19 RAS PMP MTR STR CMD	DO	25	1.2.7	9				START	NO STR	818
F943989L	**B19 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.5**	**11**				**CLEAR**	**ALARM**	**818**
S943949	B19 RAS PMP SPD	AI	25	1.3.6	4	0	100	PCNT			818
T943950H	B19 RAS PMP STTR WND TEMP HI	DI	25	1.1.5	12				CLEAR	ALARM	818
V943950H	**B19 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**818**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
L943970	B19 SLG BLNK DEPTH	AI	25	1.3.6	7	0	15	FT			818
A943970	**B19 RAS DENSITY**	**AI**	**25**	**1.3.6**	**8**	**0**	**5**	**% SS**			**818**
L943944H	B19 SUMP PMP LVL HI	DI	25	1.1.5	9				CLEAR	ALARM	818
N943951B	B19 VFD BP	DI	25	1.1.5	13				LINE	BYPASS	818
N943951T	B19 VFD FAULT	DI	25	1.1.5	14				CLEAR	ALARM	818
U942089B	**B20 BLDG GAS ALARM**	**DI**	**25**	**1.2.2**	**6**				**CLEAR**	**ALARM**	**819**
U942089A	**B20 BLDG HDVU ALARM**	**DI**	**25**	**1.2.2**	**5**				**CLEAR**	**ALARM**	**819**
U942089C	**B20 BLDG SMOKE ALARM**	**DI**	**25**	**1.2.2**	**7**				**CLEAR**	**ALARM**	**819**
T942089	**B20 BLDG TEMPERATURE**	**AI**	**25**	**1.4.1**	**6**	**-20**	**120**	**DEG F**			**819**
N942050B	B20 BP STARTER	DI	25	1.1.6	7				LINE	BYPASS	819
W942081H	B20 CTR DRV HI TORQ	DI	25	1.1.6	2				ALARM	CLEAR	819
W942080H	B20 CTR DRV IMP HI TORQ	DI	25	1.1.6	5				ALARM	CLEAR	819
N942070R	B20 CTR DRV MTR RUN STAT	DI	25	1.1.6	3				RUN	NO RUN	819
X942070P	B20 CTR DRV MTR STP CMD	DO	25	1.2.8	6				STOP	NO STP	819
L942073L	B20 CTR DRV OIL LVL LO	DI	25	1.1.6	4				CLEAR	ALARM	819
F942018	B20 INF FL	AI	25	1.3.7	1	0	100	MGD			819
N942018A	B20 INF VLV RMT STAT	DI	25	1.1.7	9				NO RMT	REMOTE	819
Y942018	**B20 INF VLV POS CMD**	**AO**	**25**	**1.2.8**	**7**	**0**	**100**	**PCNT**			**819**
Z942018	B20 INF VLV POS	AI	25	1.3.1	6	0	100	PCNT			819
F942002	B20 RAS FL	AI	25	1.3.7	2	0	25	MGD			819
T942055H	B20 RAS PMP BRNG TEMP HI	DI	25	1.1.6	10				CLEAR	ALARM	819

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
Y942002	B20 RAS PMP FL CTRL	AO	25	1.4.6	2	0	100	PCNT			819
J942089	B20 RAS PMP MTR PWR	AI	25	1.3.7	3	0	**100**	KW			819
N942050G	B20 RAS PMP MTR RDY STAT	DI	25	1.1.6	12				READY	NO RDY	819
N942089A	B20 RAS PMP MTR RMT STAT	DI	25	1.1.6	6				REMOTE	NO RMT	819
N942089R	B20 RAS PMP MTR RUN STAT	DI	25	1.1.6	8				RUN	NO RUN	819
X942089P	B20 RAS PMP MTR STP CMD	DO	25	1.2.8	10				STOP	NO STP	819
X942089S	B20 RAS PMP MTR STR CMD	DO	25	1.2.8	9				START	NO STR	819
F942089L	**B20 RAS PMP SEAL WATER LOW FLOW**	**DI**	**25**	**1.1.6**	**11**				**CLEAR**	**ALARM**	**819**
S942049	B20 RAS PMP SPD	AI	25	1.3.7	4	0	100	PCNT			819
T942050H	B20 RAS PMP STTR WND TEMP HI	DI	25	1.1.6	13				CLEAR	ALARM	819
V942050H	**B20 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**819**
L942070	B20 SLG BLNK DEPTH	AI	25	1.3.7	7	0	15	FT			819
A942070	**B20 RAS DENSITY**	**AI**	**25**	**1.3.7**	**8**	**0**	**5**	**% SS**			**819**
L942044H	B20 SUMP PMP LVL HI	DI	25	1.1.6	9				CLEAR	ALARM	819
N942051B	B20 VFD BP	DI	25	1.1.6	14				LINE	BYPASS	819
N942051T	B20 VFD FAULT	DI	25	1.1.6	15				CLEAR	ALARM	819
U960373B	**B23 BLDG GAS ALARM**	**DI**	**24**	**1.2.1**	**2**				**CLEAR**	**ALARM**	**820**
U960373A	**B23 BLDG HDVU ALARM**	**DI**	**24**	**1.2.1**	**1**				**CLEAR**	**ALARM**	**820**
U960373C	**B23 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.1**	**3**				**CLEAR**	**ALARM**	**820**
T960373	**B23 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**820**
N960326B	B23 BP STARTER	DI	24	1.1.1	9				LINE	BYPASS	820

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
W960349H	B23 CTR DRV HI TORQ	DI	24	1.1.1	1				ALARM	CLEAR	820
W960348H	B23 CTR DRV IMP HI TORQ	DI	24	1.1.1	4				ALARM	CLEAR	820
N960343R	B23 CTR DRV MTR STAT	DI	24	1.1.1	2				RUN	NO RUN	820
X960343P	B23 CTR DRV MTR STP CMD	DO	24	1.2.5	1				STOP	NO STP	820
L960350L	B23 CTR DRV OIL LVL LOW	DI	24	1.1.1	3				CLEAR	ALARM	820
F960301	B23 INF FL	AI	24	1.3.3	1	0	100	MGD			820
N960301A	B23 INF VLV RMT STAT	DI	24	1.2.2	2				NO RMT	REMOTE	820
Y960301	**B23 INF VLV POS CMD**	**AO**	**24**	**1.2.5**	**2**	**0**	**100**	**PCNT**			**820**
Z960301	B23 INF VLV POS	AI	24	1.3.1	1	0	100	PCNT			820
F960309	B23 RAS FL	AI	24	1.3.3	2	0	25	MGD			820
T960373H	B23 RAS PMP BRNG TEMP HI	DI	24	1.1.1	12				CLEAR	ALARM	820
Y960309	B23 RAS PMP FL CTRL	AO	24	1.4.6	1	0	100	PCNT			820
J960373	B23 RAS PMP MTR PWR	AI	24	1.3.3	3	0	**100**	KW			820
N960311G	B23 RAS PMP MTR RDY STAT	DI	24	1.1.1	8				READY	NO RDY	820
N960373A	B23 RAS PMP MTR RMT STAT	DI	24	1.1.1	5				REMOTE	NO RMT	820
N960373R	B23 RAS PMP MTR STAT	DI	24	1.1.1	6				RUN	NO RUN	820
X960373P	B23 RAS PMP MTR STP CMD	DO	24	1.2.5	5				STOP	NO STP	820
X960373S	B23 RAS PMP MTR STR CMD	DO	24	1.2.5	4				START	NO STR	820
F960373L	**B23 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.1**	**13**				**CLEAR**	**ALARM**	**820**
S960372	B23 RAS PMP SPD	AI	24	1.3.3	4	0	100	PCNT			820
T960372H	B23 RAS PMP STTR WNDS TEMP HI	DI	24	1.1.1	14				CLEAR	ALARM	820

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
V960372H	**B23 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**820**
L960343	B23 SLG BLNK DEPTH	AI	24	1.3.3	7	0	15	FT			820
A960343	**B23 RAS DENSITY**	**AI**	**24**	**1.3.3**	**8**	**0**	**5**	**% SS**			**820**
L960339H	B23 SUMP PMP LVL HI	DI	24	1.1.1	7				CLEAR	ALARM	820
N960373B	B23 VFD BP	DI	24	1.1.1	15				LINE	BYPASS	820
N960373T	B23 VFD FAULT	DI	24	1.1.1	16				CLEAR	ALARM	820
U960575B	**B25 BLDG GAS ALARM**	**DI**	**24**	**1.2.1**	**6**				**CLEAR**	**ALARM**	**821**
U960575A	**B25 BLDG HDVU ALARM**	**DI**	**24**	**1.2.1**	**5**				**CLEAR**	**ALARM**	**821**
U960575C	**B25 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.1**	**7**				**CLEAR**	**ALARM**	**821**
T960575	**B25 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**821**
N960528B	B25 BP STARTER	DI	24	1.1.2	9				LINE	BYPASS	821
W960548H	B25 CTR DRV HI TORQ	DI	24	1.1.2	1				CLEAR	ALARM	821
W960549H	B25 CTR DRV IMP HI TORQ	DI	24	1.1.2	2				CLEAR	ALARM	821
N960544R	B25 CTR DRV MTR STAT	DI	24	1.1.2	3				RUN	NO RUN	821
X960544P	B25 CTR DRV MTR STP CMD	DO	24	1.2.5	6				STOP	NO STP	821
L960551L	B25 CTR DRV OIL LVL LOW	DI	24	1.1.2	4				CLEAR	ALARM	821
F960501	B25 INF FL	AI	24	1.3.4	1	0	100	MGD			821
N960501A	B25 INF VLV RMT STAT	DI	24	1.2.2	3				NO RMT	REMOTE	821
Y960501	**B25 INF VLV POS CMD**	**AO**	**24**	**1.2.5**	**7**	**0**	**100**	**PCNT**			**821**
Z960501	B25 INF VLV POS	AI	24	1.3.1	2	0	100	PCNT			821
F960509	B25 RAS FL	AI	24	1.3.4	2	0	25	MGD			821

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
T960575H	B25 RAS PMP BRNG TEMP HI	DI	24	1.1.2	12				CLEAR	ALARM	821
Y960509	B25 RAS PMP FL CTRL	AO	24	1.4.6	2	0	100	PCNT			821
J960575	B25 RAS PMP MTR PWR	AI	24	1.3.4	3	0	**100**	KW			821
N960511G	B25 RAS PMP MTR RDY STAT	DI	24	1.1.2	8				READY	NO RDY	821
N960575A	B25 RAS PMP MTR RMT STAT	DI	24	1.1.2	5				NO RMT	REMOTE	821
N960575R	B25 RAS PMP MTR STAT	DI	24	1.1.2	6				RUN	NO RUN	821
X960575P	B25 RAS PMP MTR STP CMD	DO	24	1.2.5	10				STOP	NO STP	821
X960575S	B25 RAS PMP MTR STR CMD	DO	24	1.2.5	9				START	NO STR	821
F960575L	**B25 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.2**	**13**				**CLEAR**	**ALARM**	**821**
S960574	B25 RAS PMP SPD	AI	24	1.3.4	4	0	100	PCNT			821
T960574H	B25 RAS PMP STTR WNDS TEMP HI	DI	24	1.1.2	14				CLEAR	ALARM	821
V960574H	**B25 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**821**
L960544	B25 SLG BLNK DEPTH	AI	24	1.3.4	7	0	15	FT			821
A960544	**B25 RAS DENSITY**	**AI**	**24**	**1.3.4**	**8**	**0**	**5**	**% SS**			**821**
L960540H	B25 SUMP PMP LVL HI	DI	24	1.1.2	7				CLEAR	ALARM	821
N960575B	B25 VFD BP	DI	24	1.1.2	15				LINE	BYPASS	821
N960575T	B25 VFD FAULT	DI	24	1.1.2	16				CLEAR	ALARM	821
U960673B	**B26 BLDG GAS ALARM**	**DI**	**24**	**1.2.1**	**10**				**CLEAR**	**ALARM**	**822**
U960673A	**B26 BLDG HDVU ALARM**	**DI**	**24**	**1.2.1**	**9**				**CLEAR**	**ALARM**	**822**
U960673C	**B26 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.1**	**11**				**CLEAR**	**ALARM**	**822**
T960673	**B26 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**822**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N960626B	B26 BP STARTER	DI	24	1.1.3	8				LINE	BYPASS	822
W960649H	B26 CTR DRV HI TORQ	DI	24	1.1.3	1				ALARM	CLEAR	822
W960648H	B26 CTR DRV IMP HI TORQ	DI	24	1.1.3	4				ALARM	CLEAR	822
N960643R	B26 CTR DRV MTR STAT	DI	24	1.1.3	2				RUN	NO RUN	822
X960643P	B26 CTR DRV MTR STP CMD	DO	24	1.2.6	1				STOP	NO STP	822
L960650L	B26 CTR DRV OIL LVL LOW	DI	24	1.1.3	3				CLEAR	ALARM	822
F960601	B26 INF FL	AI	24	1.3.5	1	0	100	MGD			822
N960601A	B26 INF VLV RMT STAT	DI	24	1.2.2	4				NO RMT	REMOTE	822
Y960601	**B26 INF VLV POS CMD**	**AO**	**24**	**1.2.6**	**2**	**0**	**100**	**PCNT**			**822**
Z960601	B26 INF VLV POS	AI	24	1.3.1	3	0	100	PCNT			822
F960609	B26 RAS FL	AI	24	1.3.5	2	0	25	MGD			822
T960673H	B26 RAS PMP BRNG TEMP HI	DI	24	1.1.3	12				CLEAR	ALARM	822
Y960609	B26 RAS PMP FL CTRL	AO	24	1.4.7	1	0	100	PCNT			822
J960673	B26 RAS PMP MTR PWR	AI	24	1.3.5	3	0	**100**	KW			822
N960673G	B26 RAS PMP MTR RDY STAT	DI	24	1.1.3	9				READY	NO RDY	822
N960673A	B26 RAS PMP MTR RMT STAT	DI	24	1.1.3	5				NO RMT	REMOTE	822
N960673R	B26 RAS PMP MTR STAT	DI	24	1.1.3	6				RUN	NO RUN	822
X960673P	B26 RAS PMP MTR STP CMD	DO	24	1.2.6	5				STOP	NO STP	822
X960673S	B26 RAS PMP MTR STR CMD	DO	24	1.2.6	4				START	NO STR	822
F960673L	**B26 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.3**	**13**				**CLEAR**	**ALARM**	**822**
S960672	B26 RAS PMP SPD	AI	24	1.3.5	4	0	100	PCNT			822

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
T960672H	B26 RAS PMP STTR WND TEMP HI	DI	24	1.1.3	14				CLEAR	ALARM	822
V960672H	**B26 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**822**
L960643	B26 SLG BLNK DEPTH	AI	24	1.3.5	7	0	15	FT			822
A960643	**B26 RAS DENSITY**	**AI**	**24**	**1.3.5**	**8**	**0**	**5**	**% SS**			**822**
L960639H	B26 SUMP PMP LVL HI	DI	24	1.1.3	7				CLEAR	ALARM	822
N960673B	B26 VFD BP	DI	24	1.1.3	15				LINE	BYPASS	822
N960673T	B26 VFD FAULT	DI	24	1.1.3	16				CLEAR	ALARM	822
U960775B	**B27 BLDG GAS ALARM**	**DI**	**24**	**1.2.1**	**14**				**CLEAR**	**ALARM**	**823**
U960775A	**B27 BLDG HDVU ALARM**	**DI**	**24**	**1.2.1**	**13**				**CLEAR**	**ALARM**	**823**
U960775C	**B27 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.1**	**15**				**CLEAR**	**ALARM**	**823**
T960775	**B27 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**823**
N960728B	B27 BP STARTER	DI	24	1.1.4	9				LINE	BYPASS	823
W960748H	B27 CTR DRV HI TORQ	DI	24	1.1.4	1				CLEAR	ALARM	823
W960749H	B27 CTR DRV IMP HI TORQ	DI	24	1.1.4	4				CLEAR	ALARM	823
N960745R	B27 CTR DRV MTR RUN STAT	DI	24	1.1.4	2				RUN	NO RUN	823
X960745P	B27 CTR DRV MTR STP CMD	DO	24	1.2.6	6				STOP	NO STP	823
L960751L	B27 CTR DRV OIL LVL LO	DI	24	1.1.4	3				CLEAR	ALARM	823
F960701	B27 INF FL	AI	24	1.3.6	1	0	100	MGD			823
N960701A	B27 INF VLV RMT STAT	DI	24	1.2.2	5				NO RMT	REMOTE	823
Y960701	**B27 INF VLV POS CMD**	**AO**	**24**	**1.2.6**	**7**	**0**	**100**	**PCNT**			**823**
Z960701	B27 INF VLV POS	AI	24	1.3.1	4	0	100	PCNT			823

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
F960709	B27 RAS FL	AI	24	1.3.6	2	0	25	MGD			823
T960775H	B27 RAS PMP BRNG TEMP HI	DI	24	1.1.4	10				CLEAR	ALARM	823
Y960709	B27 RAS PMP FL CTRL	AO	24	1.4.7	2	0	100	PCNT			823
J960775	B27 RAS PMP MTR PWR	AI	24	1.3.6	3	0	**100**	KW			823
N960711G	B27 RAS PMP MTR RDY STAT	DI	24	1.1.4	8				READY	NO RDY	823
N960775A	B27 RAS PMP MTR RMT STAT	DI	24	1.1.4	5				NO RMT	REMOTE	823
N960775R	B27 RAS PMP MTR RUN STAT	DI	24	1.1.4	6				RUN	NO RUN	823
X960775P	B27 RAS PMP MTR STP CMD	DO	24	1.2.6	10				STOP	NO STP	823
X960775S	B27 RAS PMP MTR STR CMD	DO	24	1.2.6	9				START	NO STR	823
F960775L	**B27 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.4**	**11**				**CLEAR**	**ALARM**	**823**
S960774	B27 RAS PMP SPD	AI	24	1.3.6	4	0	100	PCNT			823
T960774H	B27 RAS PMP STTR WND TEMP HI	DI	24	1.1.4	12				CLEAR	ALARM	823
V960774H	**B27 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**823**
L960745	B27 SLG BLNK DEPTH	AI	24	1.3.6	6	0	15	FT			823
A960745	**B27 RAS DENSITY**	**AI**	**24**	**1.3.6**	**5**	**0**	**5**	**% SS**			**823**
L960740H	B27 SUMP PMP LVL HI	DI	24	1.1.4	7				CLEAR	ALARM	823
N960775B	B27 VFD BP	DI	24	1.1.4	13				LINE	BYPASS	823
N960775T	B27 VFD FAULT	DI	24	1.1.4	14				CLEAR	ALARM	823
U960873B	**B28 BLDG GAS ALARM**	**DI**	**24**	**1.2.2**	**2**				**CLEAR**	**ALARM**	**824**
U960873A	**B28 BLDG HDVU ALARM**	**DI**	**24**	**1.2.2**	**1**				**CLEAR**	**ALARM**	**824**
U960873C	**B28 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.2**	**3**				**CLEAR**	**ALARM**	**824**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
T960873	**B28 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**824**
N960826B	B28 BP STARTER	DI	24	1.1.5	9				LINE	BYPASS	824
W960849H	B28 CTR DRV HI TORQ	DI	24	1.1.5	1				ALARM	CLEAR	824
W960848H	B28 CTR DRV IMP HI TORQ	DI	24	1.1.5	4				ALARM	CLEAR	824
N960843R	B28 CTR DRV MTR RUN STAT	DI	24	1.1.5	2				RUN	NO RUN	824
X960843P	B28 CTR DRV MTR STP CMD	DO	24	1.2.7	1				STOP	NO STP	824
L960850L	B28 CTR DRV OIL LVL LO	DI	24	1.1.5	3				CLEAR	ALARM	824
F960801	B28 INF FL	AI	24	1.3.7	1	0	100	MGD			824
N960801A	B28 INF VLV RMT STAT	DI	24	1.2.2	6				NO RMT	REMOTE	824
Y960801	**B28 INF VLV POS CMD**	**AO**	**24**	**1.2.7**	**2**	**0**	**100**	**PCNT**			**824**
Z960801	B28 INF VLV POS	AI	24	1.3.2	1	0	100	PCNT			824
F960809	B28 RAS FL	AI	24	1.3.7	2	0	25	MGD			824
T960873H	B28 RAS PMP BRNG TEMP HI	DI	24	1.1.5	10				CLEAR	ALARM	824
Y960809	B28 RAS PMP FL CTRL	AO	24	1.4.8	1	0	100	PCNT			824
J960873	B28 RAS PMP MTR PWR	AI	24	1.3.7	3	0	**100**	KW			824
N960811G	B28 RAS PMP MTR RDY STAT	DI	24	1.1.5	8				READY	NO RDY	824
N960873A	B28 RAS PMP MTR RMT STAT	DI	24	1.1.5	6				REMOTE	NO RMT	824
N960873R	B28 RAS PMP MTR RUN STAT	DI	24	1.1.5	5				RUN	NO RUN	824
X960873P	B28 RAS PMP MTR STP CMD	DO	24	1.2.7	5				STOP	NO STP	824
X960873S	B28 RAS PMP MTR STR CMD	DO	24	1.2.7	4				START	NO STR	824
F960873L	**B28 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.5**	**11**				**CLEAR**	**ALARM**	**824**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
S960872	B28 RAS PMP SPD	AI	24	1.3.7	4	0	100	PCNT			824
T960872H	B28 RAS PMP STTR WND TEMP HI	DI	24	1.1.5	12				CLEAR	ALARM	824
V960872H	**B28 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**824**
L960843	B28 SLG BLNK DEPTH	AI	24	1.3.7	7	0	15	FT			824
A960843	**B28 RAS DENSITY**	**AI**	**24**	**1.3.7**	**8**	**0**	**5**	**% SS**			**824**
L960839H	B28 SUMP PMP LVL HI	DI	24	1.1.5	7				CLEAR	ALARM	824
N960873B	B28 VFD BP	DI	24	1.1.5	13				LINE	BYPASS	824
N960873T	B28 VFD FAULT	DI	24	1.1.5	14				CLEAR	ALARM	824
U960975B	**B29 BLDG GAS ALARM**	**DI**	**24**	**1.2.2**	**6**				**CLEAR**	**ALARM**	**825**
U960975A	**B29 BLDG HDVU ALARM**	**DI**	**24**	**1.2.2**	**5**				**CLEAR**	**ALARM**	**825**
U960975C	**B29 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.2**	**7**				**CLEAR**	**ALARM**	**825**
T960975	**B29 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**825**
N960928B	B29 BP STARTER	DI	24	1.1.6	9				LINE	BYPASS	825
W960948H	B29 CTR DRV HI TORQ	DI	24	1.1.6	1				CLEAR	ALARM	825
W960949H	B29 CTR DRV IMP HI TORQ	DI	24	1.1.6	4				CLEAR	ALARM	825
N960944R	B29 CTR DRV MTR RUN STAT	DI	24	1.1.6	2				RUN	NO RUN	825
X960944P	B29 CTR DRV MTR STP CMD	DO	24	1.2.7	6				STOP	NO STP	825
L960951L	B29 CTR DRV OIL LVL LO	DI	24	1.1.6	3				CLEAR	ALARM	825
F960901	B29 INF FL	AI	24	1.3.8	1	0	100	MGD			825
N960901A	B29 INF VLV RMT STAT	DI	24	1.2.2	7				NO RMT	REMOTE	825
Y960901	**B29 INF VLV POS CMD**	**AO**	**24**	**1.2.7**	**7**	**0**	**100**	**PCNT**			**825**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
Z960901	B29 INF VLV POS	AI	24	1.3.2	2	0	100	PCNT			825
F960909	B29 RAS FL	AI	24	1.3.8	2	0	25	MGD			825
T960975H	B29 RAS PMP BRNG TEMP HI	DI	24	1.1.6	10				CLEAR	ALARM	825
Y960909	B29 RAS PMP FL CTRL	AO	24	1.4.8	2	0	100	PCNT			825
J960975	B29 RAS PMP MTR PWR	AI	24	1.3.8	3	0	**100**	KW			825
N960911G	B29 RAS PMP MTR RDY STAT	DI	24	1.1.6	8				READY	NO RDY	825
N960975A	B29 RAS PMP MTR RMT STAT	DI	24	1.1.6	5				NO RMT	REMOTE	825
N960975R	B29 RAS PMP MTR RUN STAT	DI	24	1.1.6	6				RUN	NO RUN	825
X960975P	B29 RAS PMP MTR STP CMD	DO	24	1.2.7	10				STOP	NO STP	825
X960975S	B29 RAS PMP MTR STR CMD	DO	24	1.2.7	9				START	NO STR	825
F960975L	**B29 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.6**	**11**				**CLEAR**	**ALARM**	**825**
S960974	B29 RAS PMP SPD	AI	24	1.3.8	4	0	100	PCNT			825
T960974H	B29 RAS PMP STTR WND TEMP HI	DI	24	1.1.6	12				CLEAR	ALARM	825
V960974H	**B29 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**825**
L960944	B29 SLG BLNK DEPTH	AI	24	1.3.8	7	0	15	FT			825
A960944	**B29 RAS DENSITY**	**AI**	**24**	**1.3.8**	**8**	**0**	**5**	**% SS**			**825**
L960940H	B29 SUMP PMP LVL HI	DI	24	1.1.6	7				CLEAR	ALARM	825
N960975B	B29 VFD BP	DI	24	1.1.6	13				LINE	BYPASS	825
N960975T	B29 VFD FAULT	DI	24	1.1.6	14				CLEAR	ALARM	825
U961073B	**B30 BLDG GAS ALARM**	**DI**	**24**	**1.2.2**	**10**				**CLEAR**	**ALARM**	**826**
U961073A	**B30 BLDG HDVU ALARM**	**DI**	**24**	**1.2.2**	**9**				**CLEAR**	**ALARM**	**826**

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
U961073C	**B30 BLDG SMOKE ALARM**	**DI**	**24**	**1.2.2**	**11**				**CLEAR**	**ALARM**	**826**
T961073	**B30 BLDG TEMPERATURE**	**AI**				**-20**	**120**	**DEG F**			**826**
N961026B	B30 BP STARTER	DI	24	1.1.7	9				LINE	BYPASS	826
W961049H	B30 CTR DRV HI TORQ	DI	24	1.1.7	1				CLEAR	ALARM	826
W961048H	B30 CTR DRV IMP HI TORQ	DI	24	1.1.7	4				CLEAR	ALARM	826
N961043R	B30 CTR DRV MTR RUN STAT	DI	24	1.1.7	2				RUN	NO RUN	826
X961043P	B30 CTR DRV MTR STP CMD	DO	24	1.2.8	1				STOP	NO STP	826
L961050L	B30 CTR DRV OIL LVL LO	DI	24	1.1.7	3				CLEAR	ALARM	826
F961001	B30 INF FL	AI	24	1.4.2	1	0	100	MGD			826
N961001A	B30 INF VLV RMT STAT	DI	24	1.2.2	8				NO RMT	REMOTE	826
Y961001	**B30 INF VLV POS CMD**	**AO**	**24**	**1.2.8**	**2**	**0**	**100**	**PCNT**			**826**
Z961001	B30 INF VLV POS	AI	24	1.3.2	3	0	100	PCNT			826
F961009	B30 RAS FL	AI	24	1.4.2	2	0	25	MGD			826
T961073H	B30 RAS PMP BRNG TEMP HI	DI	24	1.1.7	10				CLEAR	ALARM	826
Y961009	B30 RAS PMP FL CTRL	AO	24	1.4.8	3	0	100	PCNT			826
J961073	B30 RAS PMP MTR PWR	AI	24	1.4.2	3	0	**100**	KW			826
N961011G	B30 RAS PMP MTR RDY STAT	DI	24	1.1.7	8				READY	NO RDY	826
N961073A	B30 RAS PMP MTR RMT STAT	DI	24	1.1.7	5				REMOTE	NO RMT	826
N961073R	B30 RAS PMP MTR RUN STAT	DI	24	1.1.7	6				RUN	NO RUN	826
X961073P	B30 RAS PMP MTR STP CMD	DO	24	1.2.8	5				STOP	NO STP	826
X961073S	B30 RAS PMP MTR STR CMD	DO	24	1.2.8	4				START	NO STR	826

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
F961073L	**B30 RAS PMP SEAL WATER LOW FLOW**	**DI**	**24**	**1.1.7**	**11**				**CLEAR**	**ALARM**	**826**
S961072	B30 RAS PMP SPD	AI	24	1.4.2	4	0	100	PCNT			826
T961072H	B30 RAS PMP STTR WND TEMP HI	DI	24	1.1.7	12				CLEAR	ALARM	826
V961072H	**B30 MTR VIBRATION HIGH**	**DI**							**CLEAR**	**ALARM**	**826**
L961043	B30 SLG BLNK DEPTH	AI	24	1.4.2	7	0	15	FT			826
A961043	**B30 RAS DENSITY**	**AI**	**24**	**1.4.2**	**8**	**0**	**5**	**% SS**			**827**
L961039H	B30 SUMP PMP LVL HI	DI	24	1.1.7	7				CLEAR	ALARM	826
N961073B	B30 VFD BP	DI	24	1.1.7	13				LINE	BYPASS	826
N961073T	B30 VFD FAULT	DI	24	1.1.7	14				CLEAR	ALARM	826
N991222H	CAB 22/0 DOOR OPN	DI	22	1.1.8	8				CLEAR	ALARM	841
N991222G	CAB 22/0 MIC POD ON UTLY	DI	22	1.1.8	7				CLEAR	ALARM	841
N991222D	CAB 22/0 SYST ON UPS	DI	22	1.1.8	4				CLEAR	ALARM	841
N991222C	CAB 22/0 UPS BAT LO	DI	22	1.1.8	3				ALARM	CLEAR	841
N991222A	CAB 22/0 UPS FAULT	DI	22	1.1.8	1				CLEAR	ALARM	841
N991222E	CAB 22/0 UPS ON BAT	DI	22	1.1.8	5				ALARM	CLEAR	841
N991222F	CAB 22/0 UPS ON BP	DI	22	1.1.8	6				ALARM	CLEAR	841
N991222B	CAB 22/0 UPS SUM ALM	DI	22	1.1.8	2				ALARM	CLEAR	841
N991223H	CAB 23/0 DOOR OPN	DI	23	1.1.6	8				CLEAR	ALARM	841
N991223G	CAB 23/0 MIC POD ON UTLY	DI	23	1.1.6	7				CLEAR	ALARM	841
N991223D	CAB 23/0 SYST ON UPS	DI	23	1.1.6	4				CLEAR	ALARM	841
N991223C	CAB 23/0 UPS BAT LO	DI	23	1.1.6	3				ALARM	CLEAR	841

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N991223A	CAB 23/0 UPS FAULT	DI	23	1.1.6	1				CLEAR	ALARM	841
N991223E	CAB 23/0 UPS ON BAT	DI	23	1.1.6	5				ALARM	CLEAR	841
N991223F	CAB 23/0 UPS ON BP	DI	23	1.1.6	6				ALARM	CLEAR	841
N991223B	CAB 23/0 UPS SUM ALM	DI	23	1.1.6	2				ALARM	CLEAR	841
N991224H	CAB 24/0 DOOR OPN	DI	24	1.1.8	8				CLEAR	ALARM	841
N991224G	CAB 24/0 MIC POD ON UTLY	DI	24	1.1.8	7				CLEAR	ALARM	841
N991224D	CAB 24/0 SYST ON UPS	DI	24	1.1.8	4				CLEAR	ALARM	841
N991224C	CAB 24/0 UPS BAT LO	DI	24	1.1.8	3				ALARM	CLEAR	841
N991224A	CAB 24/0 UPS FAULT	DI	24	1.1.8	1				CLEAR	ALARM	841
N991224E	CAB 24/0 UPS ON BAT	DI	24	1.1.8	5				ALARM	CLEAR	841
N991224F	CAB 24/0 UPS ON BP	DI	24	1.1.8	6				ALARM	CLEAR	841
N991224B	CAB 24/0 UPS SUM ALM	DI	24	1.1.8	2				ALARM	CLEAR	841
N991225H	CAB 25/0 DOOR OPN	DI	25	1.1.8	9				CLEAR	ALARM	841
N991225G	CAB 25/0 MIC POD ON UTLY	DI	25	1.1.8	2				CLEAR	ALARM	841
N991225D	CAB 25/0 SYST ON UPS	DI	25	1.1.8	3				CLEAR	ALARM	841
N991225C	CAB 25/0 UPS BAT LO	DI	25	1.1.8	4				ALARM	CLEAR	841
N991225A	CAB 25/0 UPS FAULT	DI	25	1.1.8	5				CLEAR	ALARM	841
N991225E	CAB 25/0 UPS ON BAT	DI	25	1.1.8	6				ALARM	CLEAR	841
N991225F	CAB 25/0 UPS ON BP	DI	25	1.1.8	7				ALARM	CLEAR	841
N991225B	CAB 25/0 UPS SUM ALM	DI	25	1.1.8	8				ALARM	CLEAR	841
F990039L	JEFFERSON SAMP 1 LO FLOW	DI	24	1.2.1	12				CLEAR	ALARM	841

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
F990040L	JEFFERSON SAMP 2 LO FLOW	DI	24	1.2.1	13				CLEAR	ALARM	841
N990034R	JEFFERSON SAMP STN COMM 1	DI	24	1.2.1	4				RUN	NO RUN	841
N990039R	JEFFERSON SAMP STN PMP 1	DI	24	1.2.1	7				RUN	NO RUN	841
N990040R	JEFFERSON SAMP STN PMP 2	DI	24	1.2.1	8				RUN	NO RUN	841
N990041R	JEFFERSON SAMP STN REFRG 1	DI	24	1.2.1	9				RUN	NO RUN	841
N990042R	JEFFERSON SAMP STN REFRG 2	DI	24	1.2.1	10				RUN	NO RUN	841
L990043H	JEFFERSON SAMP STN SUMP LVL	DI	24	1.2.1	6				CLEAR	ALARM	841
N931153C	SUB FT-1 BUS A MN BRKR	DI	22	1.1.7	14				CLOSED	NO CLD	841
N931153O	SUB FT-1 BUS A MN BRKR	DI	22	1.1.7	15				OPEN	NO OPN	841
N931153T	SUB FT-1 BUS A MN BRKR TRIPPED	DI	22	1.1.1	11				TRIP	NO TRP	841
J931153	SUB FT-1 BUS A PWR	AI	22	1.3.8	1	0	2.4	MW			841
N931154C	SUB FT-1 BUS B MN BRKR	DI	22	1.1.7	16				CLOSED	NO CLD	841
N931154O	SUB FT-1 BUS B MN BRKR	DI	22	1.1.7	12				OPEN	NO OPN	841
N931154T	SUB FT-1 BUS B MN BRKR TRIPPED	DI	22	1.1.1	14				TRIP	NO TRP	841
J931154	SUB FT-1 BUS B PWR	AI	22	1.3.8	2	0	2.4	MW			841
N931151C	SUB FT-1 TBRKR FT-1AB	DI	22	1.1.3	3				CLOSED	NO CLD	841
N931151O	SUB FT-1 TBRKR FT-1AB	DI	22	1.1.1	12				OPEN	NO OPN	841
N931151T	SUB FT-1 TBRKR FT-1AB TRIPPED	DI	22	1.1.1	13				TRIP	NO TRP	841
U931153H	SUB FT-1 XFMR FT-1A TRBL	DI	22	1.1.1	15				ALARM	CLEAR	841
U931154H	SUB FT-1 XFMR FT-1B TRBL	DI	22	1.1.1	16				ALARM	CLEAR	841
N931155C	SUB FT-2 BUS A MN BRKR	DI	23	1.1.7	13				CLOSED	NO CLD	841

Supplemental Specifications are issued separately from the Master Specifications on a per contract basis to provide information not provided in the Master Specifications. All Conditions of the Contract apply to information provided in this Supplemental Specification.

Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N931155O	SUB FT-2 BUS A MN BRKR	DI	23	1.1.7	14				OPEN	NO OPN	841
N931155T	SUB FT-2 BUS A MN BRKR TRIPPED	DI	23	1.1.7	5				TRIP	NO TRP	841
J931155	SUB FT-2 BUS A PWR	AI	23	1.3.8	1	0	2.4	MW			841
N931156C	SUB FT-2 BUS B MN BRKR	DI	23	1.1.7	16				CLOSED	NO CLD	841
N931156O	SUB FT-2 BUS B MN BRKR	DI	23	1.1.7	11				OPEN	NO OPN	841
N931156T	SUB FT-2 BUS B MN BRKR TRIPPED	DI	23	1.1.7	8				TRIP	NO TRP	841
J931156	SUB FT-2 BUS B PWR	AI	23	1.3.8	2	0	2.4	MW			841
N931152C	SUB FT-2 TBRKR FT-2AB	DI	23	1.1.7	12				CLOSED	NO CLD	841
N931152O	SUB FT-2 TBRKR FT-2AB	DI	23	1.1.7	6				OPEN	NO OPN	841
N931152T	SUB FT-2 TBRKR FT-2AB TRIPPED	DI	23	1.1.7	7				TRIP	NO TRP	841
U931155H	SUB FT-2 XFMR FT-2A TRBL	DI	23	1.1.7	9				ALARM	CLEAR	841
U931156H	SUB FT-2 XFMR FT-2B TRBL	DI	23	1.1.7	10				ALARM	CLEAR	841
N943159C	SUB FT-3 B TBRKR FT-3AB	DI	25	1.1.7	3				CLOSED	NO CLD	841
N943157C	SUB FT-3 BUS A MN BRKR	DI	25	1.1.5	15				CLOSED	NO CLD	841
N943157O	SUB FT-3 BUS A MN BRKR	DI	25	1.1.5	16				OPEN	NO OPN	841
N943157T	SUB FT-3 BUS A MN BRKR	DI	25	1.1.2	10				TRIP	NO TRP	841
J943157	SUB FT-3 BUS A PWR	AI	25	1.3.8	1	0	2.4	MW			841
N943158C	SUB FT-3 BUS B MN BRKR	DI	25	1.1.7	1				CLOSED	NO CLD	841
N943158O	SUB FT-3 BUS B MN BRKR	DI	25	1.1.7	2				OPEN	NO OPN	841
N943158T	SUB FT-3 BUS B MN BRKR	DI	25	1.1.3	11				TRIP	NO TRP	841
J943158	SUB FT-3 BUS B PWR	AI	25	1.3.8	2	0	2.4	MW			841

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Point Tag	Description	I/O Type	Drop	I/O Loc	Chan	Low Range	High Range	Eng Units	Set Desc	Reset Desc.	PID
N943159O	SUB FT-3 TBRKR FT-3AB	DI	25	1.1.2	11				OPEN	NO OPN	841
N943159T	SUB FT-3 TBRKR FT-3AB	DI	25	1.1.3	10				TRIP	NO TRP	841
U943157H	SUB FT-3 XFMR FT-3A TRBL	DI	25	1.1.4	10				ALARM	CLEAR	841
U943158H	SUB FT-3 XFMR FT-3B TRBL	DI	25	1.1.4	11				ALARM	CLEAR	841
N961115C	SUB FT-4 BUS A MN BRKR	DI	24	1.1.7	15				CLOSED	NO CLD	841
N961115O	SUB FT-4 BUS A MN BRKR	DI	24	1.1.7	16				OPEN	NO OPN	841
N961115T	SUB FT-4 BUS A MN BRKR	DI	24	1.1.1	10				TRIP	NO TRP	841
J961115	SUB FT-4 BUS A PWR	AI	24	1.4.1	1	0	2.4	MW			841
N961117C	SUB FT-4 BUS B MN BRKR	DI	24	1.2.1	2				CLOSED	NO CLD	841
N961117O	SUB FT-4 BUS B MN BRKR	DI	24	1.2.1	3				OPEN	NO OPN	841
N961117T	SUB FT-4 BUS B MN BRKR	DI	24	1.1.2	11				TRIP	NO TRP	841
J961117	SUB FT-4 BUS B PWR	AI	24	1.4.1	2	0	2.4	MW			841
N961116C	SUB FT-4 TBRKR FT-4AB	DI	24	1.2.1	1				CLOSED	NO CLD	841
N961116O	SUB FT-4 TBRKR FT-4AB	DI	24	1.1.1	11				OPEN	NO OPN	841
N961116T	SUB FT-4 TBRKR FT-4AB	DI	24	1.1.2	10				TRIP	NO TRP	841
U961115H	SUB FT-4 XFMR FT-4A TRBL	DI	24	1.1.3	10				ALARM	CLEAR	841
U961117H	SUB FT-4 XFMR FT-4B TRBL	DI	24	1.1.3	11				ALARM	CLEAR	841

PART 3 – EXECUTION

A. Refer to Specification Section 17100.

End of Supplemental Section

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