

ATTACHMENT A2

U.S. DEPARTMENT OF ENERGY STRATEGIC PETROLEUM RESERVE		FLOW SWITCH				SHEET 1 OF 1		
		NO	BY	DATE	REVISION	SPEC. NO.	REV.	
		0	EDS	6/4/2017	AFC	18903	0	
						P.O.	DATE	
						BY	CHK'D	APPR.
						EDS	ANB	DJC
B O D Y	1.	TAG NUMBER	0-1100-FSI-31 and 0-1100-FSI-32					
	2.	SERVICE	RAW WATER SURGE RELIEF					
	3.	LINE SIZE	12"					
	4.	QUANTITY	2					
	5.	AREA CLASSIFICATION	CLASS 1, DIVISION 2, GROUP D,					
	6.	TYPE	VANE ACTUATED					
	7.	RATED PRESSURE	ANSI 300 #					
	8.	MOUNTING CONNECTION MATERIAL	CARBON STEEL					
	9.	CONNECTION SIZE / RATING	2 1/2" - 300 # ANSI RF FLANGE					
	10.	INSERTION LENGTH	5 1/4"					
	11.	BODY SIZE	1 1/2"					
	12.	VANE LENGTH	10"					
	S W I T C H	18.	MOUNTING	INTEGRAL (TO PROBE)				
19.		ENCLOSURE CLASS	NEMA 4X ENCLOSURE (NOTE 1)					
20.		ENCLOSURE/HOUSING MATERIAL	ALUMINUM - (NOTE 1)					
21.		CONDUIT CONNECTION	3/4" - FEMALE NPT					
22.		MAX. OPERATING TEMP	160 DEG F					
23.		INPUT POWER						
24.		OUTPUT CONTACT	RATED-10 AMP@ AT 120/240 VOLTS AC- NON-INDUCTIVE,					
25.		CONTACT ACTION	ON FLOW SENSING THE HIGH OR LOW SET POINT,					
26.		ACTIVATING FLOW RATE	ADJUSTABLE - (BY VENDOR) GPM INCR, (BY VENDOR) GPM DECR					
27.		TYPE						
S E C O N D I T I O N S	28.	CONTACT FORM	1 - DPDT					
	29.	FLOW UNITS	GPM					
	30.	FLUID/DESCRIPTION	FLUSH WATER					
	31.	QUANTITY (MAX.)	28000 GPM					
	32.	QUANTITY (OPER.)	4000 GPM					
	33.	INLET PRESS. NORM./MAX.	240	PSIG	320	PSIG		
	34.	NORMAL DIFFERENTIAL			240			
	35.	TEMP. NORM./MAX.		60 DEG F		65 DEG F		
	36.	OPER. SP. GR.	1.0					
37.	OPER. VISCOSITY							
	37.	MANUFACTURER	MAGNETROL F10-4E80-DNB or Equivalent					
	38.	MODEL NUMBER - SENSOR	TDB - BY VENDOR					
	39.	MODEL NUMBER - ELECTRONICS	TDB - BY VENDOR					

NOTES:

- ALL COMPONENTS ARE FOR THE GULF COAST HOSTILE ENVIRONMENT OF 20 TO 120 DEG.F AND 20 TO 100 % HUMIDITY.
- CONTRACTOR TO ASSURE INSTRUMENTS ARE TAGGED PER SPECIFICATION SECTION 16040.