

DRAWING CHANGE NOTICE				Release Stamp	
Prepared For the U.S. Department of Energy, Assistant Secretary for Environmental Management By Washington River Protection Solutions, LLC., PO Box 850, Richland, WA 99352 Contractor For U.S. Department of Energy, Office of River Protection, under Contract DE-AC27-08RV14800 TRADEMARK DISCLAIMER: Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States government or any agency thereof or its contractors or subcontractors. Printed in the United States of America.				<div style="border: 2px solid red; padding: 10px; display: inline-block;"> <p style="color: red; font-weight: bold; font-size: 1.2em;">DATE:</p> <p style="color: red; font-weight: bold; font-size: 1.5em;">Dec 23, 2020</p>  </div>	
1. DCN No: DCN-716126 Rev. 00					
2. Title: REGULATOR ADDITION TO SAMPLING POWER WASHER					
3. Project Number: <input checked="" type="checkbox"/> N/A					
4. USQ Number: <input type="checkbox"/> N/A TF-20-1582-D, Rev. 0		5. PrHA Number		Rev. <input checked="" type="checkbox"/> N/A	
				Clearance Review Restriction Type: undefined	
6. Approvals					
Title	Name	Signature	Date		
Design Authority	Cockrell, Andy	<i>Cockrell, Andy</i>	12/03/2020		
Checker	Cockrell, Andy	<i>Cockrell, Andy</i>	12/03/2020		
Document Control Approval	Scales, Anthony	<i>Scales, Anthony</i>	12/23/2020		
Originator	Zavicar, John	<i>Zavicar, John</i>	12/03/2020		
Responsible Engineering Manager	Smith, Gregory E	<i>Smith, Gregory E</i>	12/17/2020		
USQ Evaluator	Wheeler, Ronnie	<i>Wheeler, Ronnie</i>	12/14/2020		
7. Change and Justification					
Problem: 1.) The current spray washer system sampling operations uses has two spray wands and only one of them is regulated. 2.) Current spray wash system is mounted to the back of a pick up truck for mobility Solution/Analysis: 1.) Add a regulator to the second line so both lines have this feature. 2.) Include a note that allows the pressure wash system to be rigged for either crane operations or forklift.					
8. TBDs or Holds <input checked="" type="checkbox"/> N/A					
9. Related Structures, Systems, and Components					
a. Related Building/Facilities <input checked="" type="checkbox"/> N/A		b. Related Systems <input checked="" type="checkbox"/> N/A		c. Related Equipment ID Nos. (EIN) <input checked="" type="checkbox"/> N/A	
10. Engineering Drawings to be Changed Does change affect the Electronic Routing Board? <input type="checkbox"/>					
Drawing Number	Rev.	Title			
H-2-829939 SH 001	02	CORE SAMPLER SUPPORT TRUCK RST-A			
H-2-829939 SH 002	02	CORE SAMPLER SUPPORT TRUCK RST-A			
H-2-829939 SH 004	02	CORE SAMPLER SUPPORT TRUCK RST-A			
11. Related Documents <input checked="" type="checkbox"/> N/A					
Document Number	Rev.	Title			
12. Distribution					
Name			Organization		
Cockrell, Andy			TANK FARM PROJECTS ENGINEERING		
Smith, Gregory E			TANK FARM PROJECTS ENGINEERING		
Zavicar, John			TANK FARM PROJECTS ENGINEERING		

1) H-2-829939 SH 1 REV 2 – CHANGE QUANTITIES FOR ITEMS 66, 74, AND 86 TO AS FOLLOWS.
 WAS:

			3	1/2 CD45-SS	STREET ELBOW, 45° 1/2 NPT	PARKER	4	66
		AR			SCREW, HEX HEAD, 3/8-16 UNC-2A X LAR	ANY GRADE SST	3	67
		AR			NUT, HEX, 3/8-16 UNC-2B	ANY GRADE SST	3	68
		AR			WASHER, LOCK, SPLIT TYPE, 3/8	ANY GRADE SST	3	69
		1		GP338470	FLOW TOTALIZER, 1-10 GPM	DAVIS INSTRUMENTS, SST	4	70
		AR			GASKET, NEOPRENE 40 DURO x 1/8 THK	(WESTINGHOUSE STORES 33-8105-175)	3	71
1			2	3-HK-LL3-H21	SOCKET, QUICK-CONNECT COUPLING, TWO-WAY SHUT OFF, 3/8 FEMALE NPT	HANSEN	3,4	72
			2	(2W726)	LIFTALL LOAD HUGGER STRAP	(GRAINGER)	3	73
			3	SS-8-T	TEE, 1/2 NPT	CAJON, SST	4	74
1					COMB. STARTER, OVERSIZE, NEMA 2, CLASS 8539, PUSHBUTTON START-STOP, RED PILOT LIGHT, NEMA 4X ENCLOSURE, 230 VAC, WITH EXTERNAL OVERLOAD RELAY RESET BUTTON	SQUARE D CLASS 8539 TYPE SDW43SBV03 WITH FORMS A, P21, X(1 N.O CONTACT), Y439	10	75
			3		TUBING, 7/16 OD X .065W X 3'L	ANY 300 SERIES SST	3	76
	2			PDC3FA2	MULTIPLE WIRE POWER DIST. CONNECTORS FOR CIRCUIT BREAKER, 3 #14 TO #2 WIRE SIZE	SQUARE D, CLASS 690	10	77
	1		2	LL4-KP-26	QUICK-CONNECT, MALE 1/2 FPT	HANSEN, 303 SST	4,5	78
			3	LL4-HP-26	QUICK-CONNECT, FEMALE 1/2 FPT	HANSEN, 303 SST	4	79
1				9999 NT13	DIN RAIL	SQUARE D	10	80
			1	SS-8-ME	MALE ELBOW, 1/2 NPT	CAJON, SST	4	81
1				460B12W	WATERTIGHT 3 POLE, 4 WIRE 60 AMP FLANGED INLET	HUBBELL	10	82
1				BB601W	WATERTIGHT 3 POLE, 4 WIRE 60 AMP 15° ANGLE BACK BOX	HUBBELL	10	83
1				CP60	WATERTIGHT 3 POLE, 4 WIRE 60 AMP CLOSURE PLUG	HUBBELL	10	84
	AR				LIQUID TIGHT CONDUIT FTGS, 1 1/4 DIA	ANY GRADE	10	85
			1	SS-8-HLN-4.00	HEX LONG NIPPLE, 1/2 NPT 4L	CAJON, SST	4	86

IS:

					DELETED			64
					DELETED			65
			4	1/2 CD45-SS	STREET ELBOW, 45° 1/2 NPT	PARKER	4	66
		AR			SCREW, HEX HEAD, 3/8-16 UNC-2A X LAR	ANY GRADE SST	3	67
		AR			NUT, HEX, 3/8-16 UNC-2B	ANY GRADE SST	3	68
		AR			WASHER, LOCK, SPLIT TYPE, 3/8	ANY GRADE SST	3	69
1				GP338470	FLOW TOTALIZER, 1-10 GPM	DAVIS INSTRUMENTS, SST	4	70
		AR			GASKET, NEOPRENE 40 DURO x 1/8 THK	(WESTINGHOUSE STORES 33-8105-175)	3	71
			2	3-HK-LL3-H21	SOCKET, QUICK-CONNECT COUPLING, TWO-WAY SHUT OFF, 3/8 FEMALE NPT	HANSEN	3,4	72
			2	(2W726)	LIFTALL LOAD HUGGER STRAP	(GRAINGER)	3	73
			4	SS-8-T	TEE, 1/2 NPT	CAJON, SST	4	74
					COMB. STARTER, OVERSIZE, NEMA 2, CLASS 8539, PUSHBUTTON START-STOP, RED PILOT LIGHT, NEMA 4X ENCLOSURE, 230 VAC, WITH EXTERNAL OVERLOAD RELAY RESET BUTTON	SQUARE D CLASS 8539 TYPE SDW43SBV03 WITH FORMS A, P21, X(1 N.O CONTACT), Y439	10	75
			3		TUBING, 7/16 OD X .065W X 3'L	ANY 300 SERIES SST	3	76
				PDC3FA2	MULTIPLE WIRE POWER DIST. CONNECTORS FOR CIRCUIT BREAKER, 3 #14 TO #2 WIRE SIZE	SQUARE D, CLASS 690	10	77
			2	LL4-KP-26	QUICK-CONNECT, MALE 1/2 FPT	HANSEN, 303 SST	4,5	78
			3	LL4-HP-26	QUICK-CONNECT, FEMALE 1/2 FPT	HANSEN, 303 SST	4	79
				9999 NT13	DIN RAIL	SQUARE D	10	80
1				SS-8-ME	MALE ELBOW, 1/2 NPT	CAJON, SST	4	81
				460B12W	WATERTIGHT 3 POLE, 4 WIRE 60 AMP FLANGED INLET	HUBBELL	10	82
				BB601W	WATERTIGHT 3 POLE, 4 WIRE 60 AMP 15° ANGLE BACK BOX	HUBBELL	10	83
				CP60	WATERTIGHT 3 POLE, 4 WIRE 60 AMP CLOSURE PLUG	HUBBELL	10	84
					LIQUID TIGHT CONDUIT FTGS, 1 1/4 DIA	ANY GRADE	10	85
			2	SS-8-HLN-4.00	HEX LONG NIPPLE, 1/2 NPT 4L	CAJON, SST	4	86
					COUPLING, 1" FPT	ANY GRADE SST	5	87
					TEE, 3/4, THREADED CLASS 150	ASTM-A182 304 OR 304 SST	5	88

CHANGE QUANTITY

2) H-2-829939 SH 2 REV 2- ADD NOTE 28 AND CHANGE QUANTITIES OF ITEMS 155 AND 159 AS FOLLOWS
 WAS

27 REMOVE MANUFACTURER PROVIDED THERMAL RELIEF VALVE FROM PUMP INLET AND REPLACE WITH ITEM 175 (PIPE PLUG).

IS:

28 PRESSURE WASHER HAS OPTION TO BE SKID MOUNTED FOR MOBILITY WITH CRANE OR FORKLIFT FOR EASE OF OPERATION. SEE OPTIONAL NAMEPLATE SCHEDULE SH. 4

WAS:

					2	100-1008-S-L-04L-0	GAUGE, PRESSURE, 0 TO 3000 PSI, 1/2 NPT CONNECTION	ASHCROFT 3000 PSIG	4	155
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IS:

					1		PUMP, ELECTRIC, 7 1/2 HP, 3000 PSI MAX		3,4	154
					3	100-1008-S-L-04L-0	GAUGE, PRESSURE, 0 TO 3000 PSI, 1/2 NPT CONNECTION	ASHCROFT 3000 PSIG	4	155
					1	(8C12-8MP-8MP-36")	HOSE, 1/2 ID, MIN 2000 PSI, MAWP, 1/2 MNPT BOTH ENDS, 36 L, NEOPRENE INNER TUBE	(GATES)	3,4	156

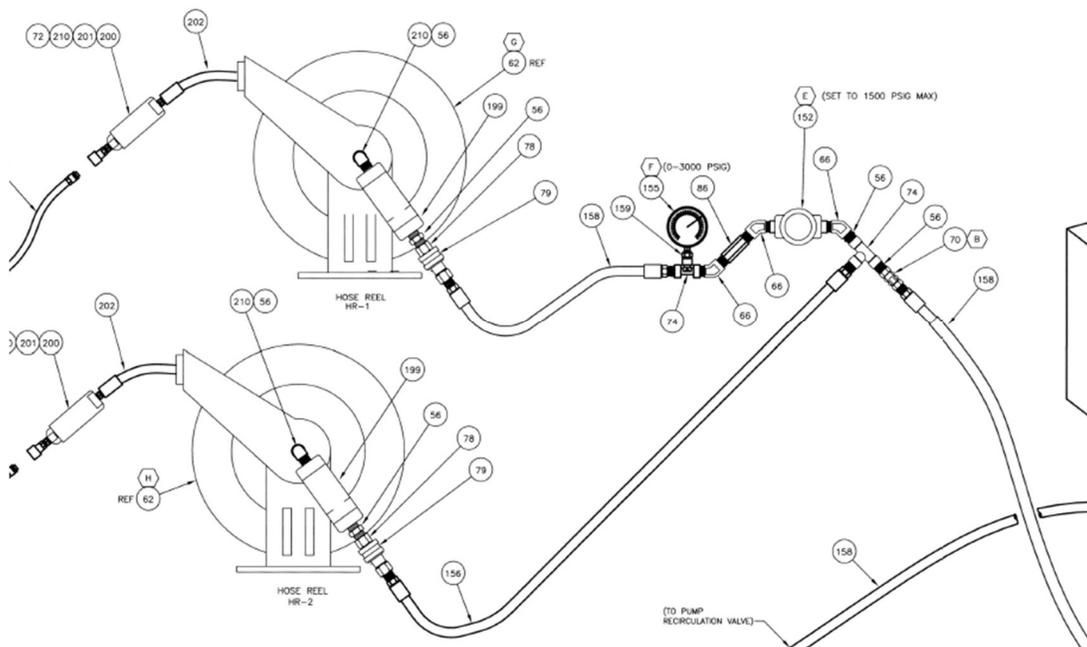
WAS:

					2	50-1112S-E	PRESSURE SNUBBER, 1/2 MPT	ASHCROFT	4	159
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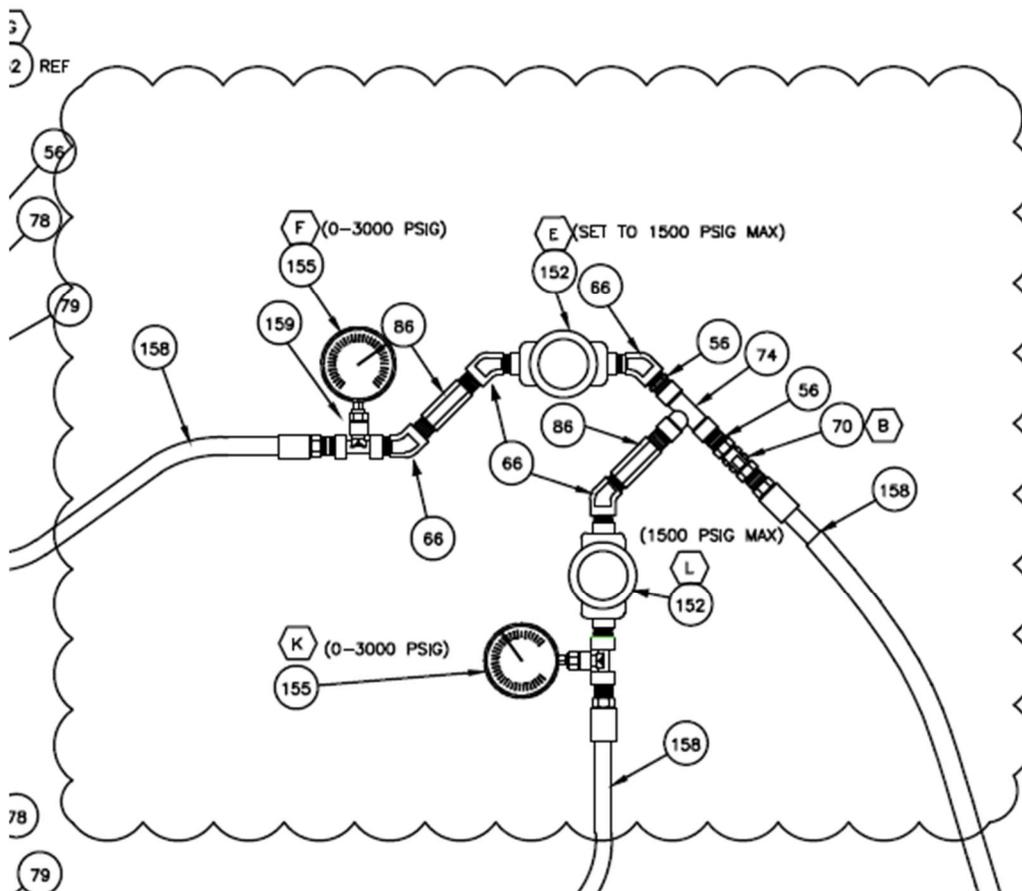
IS:

					2	(8C12-8MP-8MP-60")	HOSE, 1/2 ID, MIN 2000 PSI, MAWP, 1/2 MNPT BOTH ENDS, 60 L, NEOPRENE INNER TUBE	(GATES)	4	158
					3	50-1112S-E	PRESSURE SNUBBER, 1/2 MPT	ASHCROFT	4	159
							DELETED			160

3) H-2-829939 SH 4 REV 2 – CHANGE ASSEMBLY TO INCLUDE ADDITIONAL REGULATOR AS SEEN BELOW
WAS:



IS:



4) H-2-829939 SH 4 REV 2 – ADD OPTIONAL NAMEPLATE SCHEDULE AS FOLLOWS:

ADD:

28 SKID OPTION NAMEPLATE SCHEDULE		
LEGEND	DESCRIPTION	LAST LINE
A	SPRAY WASH PUMP	P-001
B	WATER FLOW METER	FQI-001
C	RECIRCULATION VALVE	V-003
D	PUMP OUTLET PRESSURE	PI-015
E	SPRAY WASH PRESSURE REGULATOR	PV-001
F	SPRAY WASH PRESSURE	PI-016
G	HOSE REEL (0-1500 PSI)	HPW-001
H	HOSE REEL (0-1500 PSI)	HPW-002
J	SPRAY WASH SUPPLY DRUM	TK-001
K	SPRAY WASH PRESSURE	PI-017
L	SPRAY WASH PRESSURE REGULATOR	PV-002
P	SPRAY WASH PRESSURE BLEED	V-004
Q	DRAIN	V-005
R	FLUID TEMPERATURE	TY-001
S	PUMP SUPPLY	HC-017
T	WINTERIZATION/RECIRC RETURN	HC-018
U	PUMP INLET	HC-019
V	PUMP OUTLET	HC-020
W		

TO THERMC
(P/N 34)

REF (2'
REF (2'
REF (3'
REF (2'