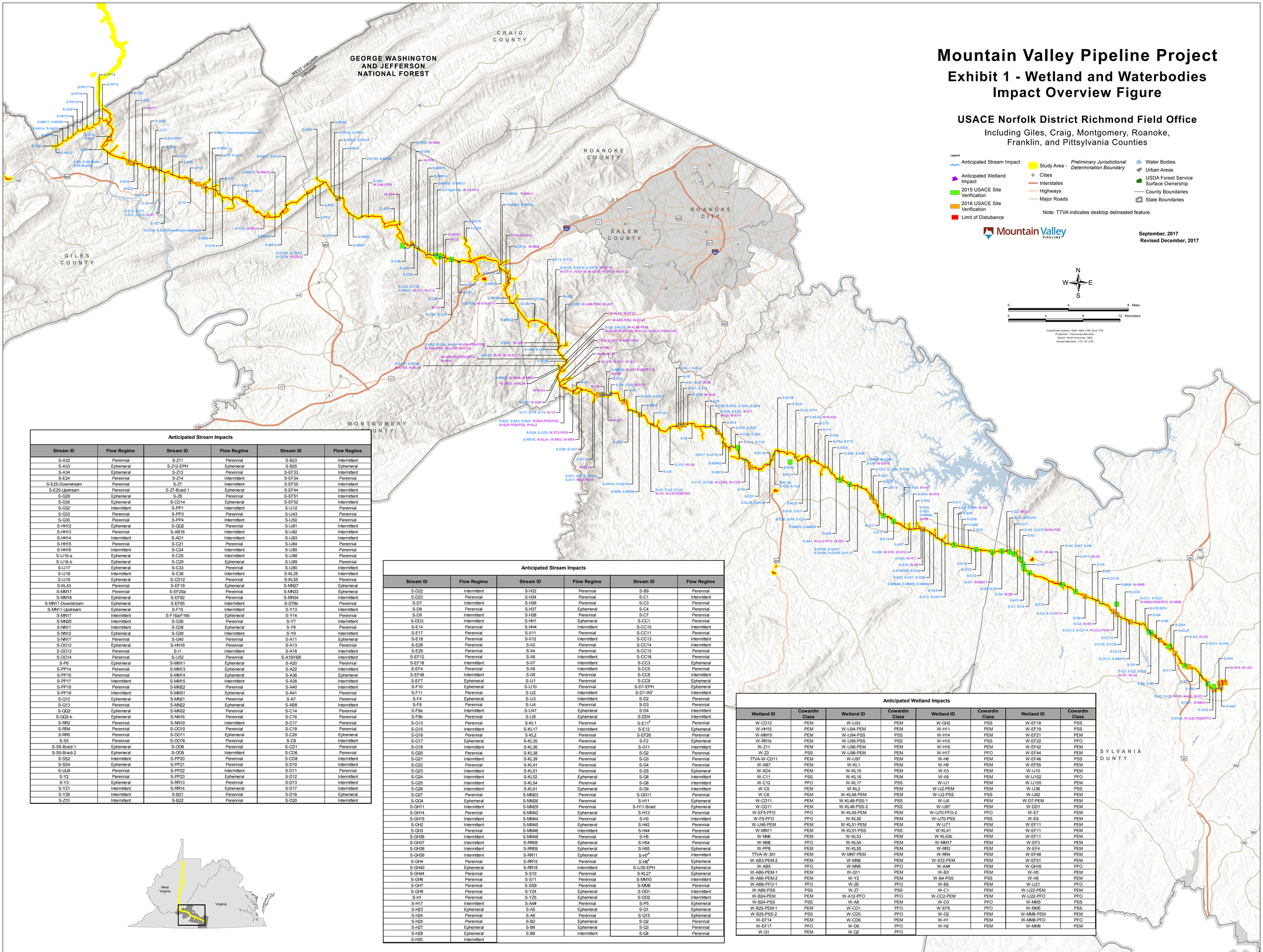
Mountain Valley Pipeline Project

Exhibit 1 - Wetland and Waterbodies Impact Overview Figure

USACE Norfolk District Richmond Field Office

Including Giles, Craig, Montgomery, Roanoke, Franklin, and Pittsylvania Counties



Anticipated Stream Impacts

Stream ID	Flow Regime	Stream ID	Flow Regime	Stream ID	Flow Regime
S-A32	Perennial	S-Z11	Perennial	S-B23	Intermittent
S-A33	Ephemeral	S-Z12-EPH	Ephemeral	S-B25	Ephemeral
S-A34	Ephemeral	S-Z13	Perennial	S-EF33	Intermittent
S-E24	Perennial	S-Z14	Intermittent	S-EF34	Perennial
S-E25-Downstream	Perennial	S-Z7	Intermittent	S-EF35	Intermittent
S-E25-Upstream	Perennial	S-Z7-Braid-1	Ephemeral	S-EF44	Intermittent
S-G29	Ephemeral	S-Z9	Perennial	S-EF51	Intermittent
S-G30	Ephemeral	S-CD14	Ephemeral	S-EF52	Intermittent
S-G32	Intermittent	S-PP1	Intermittent	S-IJ12	Perennial
S-G33	Perennial	S-PP3	Perennial	S-IJ43	Perennial
S-G35	Perennial	S-PP4	Intermittent	S-IJ50	Perennial
S-HH12	Ephemeral	S-QQ2	Perennial	S-IJ81	Intermittent
S-HH13	Perennial	S-AB16	Intermittent	S-IJ82	Intermittent
S-HH14	Intermittent	S-AD1	Intermittent	S-IJ83	Intermittent
S-HH15	Perennial	S-C21	Perennial	S-IJ84	Perennial
S-HH16	Intermittent	S-C24	Intermittent	S-IJ85	Perennial
S-IJ16-a	Ephemeral	S-C25	Intermittent	S-IJ88	Perennial
S-IJ16-b	Ephemeral	S-C29	Ephemeral	S-IJ89	Perennial
S-IJ17	Ephemeral	S-C33	Perennial	S-IJ90	Intermittent
S-IJ18	Intermittent	S-C36	Intermittent	S-KL25	Intermittent
S-IJ19	Ephemeral	S-CD12	Perennial	S-KL55	Perennial
S-KL43	Perennial	S-EF19	Ephemeral	S-MN27	Ephemeral
S-MM17	Perennial	S-EF20a	Perennial	S-MN33	Ephemeral
S-MM18	Ephemeral	S-EF62	Perennial	S-MN34	Intermittent
S-MN11-Downstream	Ephemeral	S-EF65	Intermittent	S-ST9b	Perennial
S-MN11-Upstream	Ephemeral	S-F15	Intermittent	S-Y13	Intermittent
S-MN17	Intermittent	S-F16a/F16b	Ephemeral	S-Y14	Perennial
S-MN20	Intermittent	S-G36	Perennial	S-Y7	Intermittent
S-NN11	Intermittent	S-G38	Ephemeral	S-Y8	Perennial
S-NN12	Ephemeral	S-G39	Intermittent	S-Y9	Intermittent
S-NN17	Perennial	S-G40	Perennial	S-A11	Ephemeral
S-OO12	Ephemeral	S-HH18	Perennial	S-A13	Perennial
S-OO13	Perennial	S-I1	Intermittent	S-A18	Intermittent
S-OO14	Perennial	S-IJ52	Perennial	S-A19/H26	Intermittent
S-P6	Ephemeral	S-MM11	Ephemeral	S-A20	Perennial
S-PP14	Perennial	S-MM13	Ephemeral	S-A22	Intermittent
S-PP15	Perennial	S-MM14	Ephemeral	S-A36	Ephemeral
S-PP17	Intermittent	S-MM15	Intermittent	S-A38	Intermittent
S-PP18	Perennial	S-MM22	Perennial	S-A40	Intermittent
S-PP19	Intermittent	S-MM31	Ephemeral	S-A41	Perennial
S-Q12	Ephemeral	S-MN21	Perennial	S-A7	Perennial
S-Q13	Perennial	S-MN22	Ephemeral	S-AB8	Intermittent
S-QQ3	Ephemeral	S-MN32	Perennial	S-C14	Perennial
S-QQ3-b	Ephemeral	S-NN16	Perennial	S-C16	Perennial
S-RR2	Perennial	S-NN19	Intermittent	S-C17	Perennial
S-RR4	Perennial	S-OO10	Perennial	S-C19	Perennial
S-RR5	Perennial	S-OO11	Ephemeral	S-C20	Ephemeral
S-S5	Perennial	S-OO16	Perennial	S-C8	Intermittent
S-S5-Braid-1	Ephemeral	S-OO6	Perennial	S-CD1	Perennial
S-S5-Braid-2	Ephemeral	S-OO9	Intermittent	S-CD6	Perennial
S-SS2	Intermittent	S-PP20	Perennial	S-CD8	Intermittent
S-SS4	Ephemeral	S-PP21	Perennial	S-D10	Intermittent
S-UU9	Perennial	S-PP22	Intermittent	S-D11	Perennial
S-Y2	Perennial	S-PP23	Ephemeral	S-D12	Intermittent
S-Y3	Ephemeral	S-RR13	Perennial	S-D13	Intermittent
S-YZ1	Intermittent	S-RR14	Ephemeral	S-D17	Intermittent
S-YZ6	Intermittent	S-B21	Perennial	S-D18	Ephemeral
S-Z10	Intermittent	S-B22	Perennial	S-D20	Intermittent

Anticipated Stream Impacts

Stream ID	Flow Regime	Stream ID	Flow Regime	Stream ID	Flow Regime
S-D22	Intermittent	S-H32	Perennial	S-B9	Perennial
S-D23	Perennial	S-H34	Perennial	S-C1	Intermittent
S-D7	Intermittent	S-H36	Perennial	S-C3	Perennial
S-D8	Perennial	S-H37	Ephemeral	S-C4	Perennial
S-D9	Intermittent	S-H38	Perennial	S-C7	Perennial
S-DD3	Intermittent	S-HH1	Ephemeral	S-CC1	Perennial
S-E14	Perennial	S-HH4	Intermittent	S-CC10	Intermittent
S-E17	Perennial	S-II11	Perennial	S-CC11	Perennial
S-E18	Perennial	S-II12	Intermittent	S-CC13	Intermittent
S-E28	Perennial	S-II2	Perennial	S-CC14	Intermittent
S-E29	Perennial	S-II4	Perennial	S-CC15	Perennial
S-EF12	Perennial	S-II6	Intermittent	S-CC16	Perennial
S-EF18	Intermittent	S-II7	Intermittent	S-CC3	Ephemeral
S-EF4	Perennial	S-II8	Intermittent	S-CC5	Perennial
S-EF48	Intermittent	S-II9	Perennial	S-CC8	Intermittent
S-EF7	Ephemeral	S-IJ1	Perennial	S-CC9	Ephemeral
S-F10	Ephemeral	S-IJ10	Perennial	S-D1-EPH	Ephemeral
S-F11	Perennial	S-IJ2	Intermittent	S-D1-INT	Intermittent
S-F4	Ephemeral	S-IJ3	Intermittent	S-D2	Perennial
S-F8	Perennial	S-IJ4	Perennial	S-D3	Perennial
S-F9a	Intermittent	S-IJ47	Ephemeral	S-D4	Intermittent
S-F9b	Perennial	S-IJ8	Ephemeral	S-DD4	Intermittent
S-G13	Perennial	S-KL1	Perennial	S-E11[#]	Perennial
S-G15	Intermittent	S-KL17	Intermittent	S-E12	Ephemeral
S-G16	Perennial	S-KL2	Perennial	S-EF26	Perennial
S-G17	Ephemeral	S-KL35	Perennial	S-F2	Ephemeral
S-G18	Intermittent	S-KL36	Perennial	S-G11	Intermittent
S-G20	Perennial	S-KL38	Perennial	S-G2	Perennial
S-G21	Intermittent	S-KL39	Perennial	S-G3	Perennial
S-G22	Perennial	S-KL41	Perennial	S-G4	Perennial
S-G23	Intermittent	S-KL51	Perennial	S-G5	Ephemeral
S-G24	Intermittent	S-KL52	Ephemeral	S-G6	Intermittent
S-G25	Intermittent	S-KL54	Perennial	S-G8	Intermittent
S-G26	Intermittent	S-KL61	Ephemeral	S-G9	Intermittent
S-G27	Perennial	S-MM23	Perennial	S-GG11	Perennial
S-GG4	Ephemeral	S-MM26	Perennial	S-H11	Ephemeral
S-GH11	Intermittent	S-MM29	Perennial	S-H11-Braid	Ephemeral
S-GH14	Perennial	S-MM42	Ephemeral	S-H13	Perennial
S-GH15	Intermittent	S-MM44	Perennial	S-H3	Intermittent
S-GH2	Intermittent	S-MM45	Ephemeral	S-H42	Perennial
S-GH3	Perennial	S-MM46	Intermittent	S-H44	Perennial
S-GH36	Intermittent	S-MM48	Perennial	S-H5	Perennial
S-GH37	Intermittent	S-RR08	Ephemeral	S-H54	Perennial
S-GH38	Intermittent	S-RR09	Ephemeral	S-H55	Ephemeral
S-GH39	Intermittent	S-RR11	Ephemeral	S-H7[#]	Intermittent
S-GH4	Perennial	S-RR15	Perennial	S-H8[#]	Ephemeral
S-GH40	Ephemeral	S-RR18	Intermittent	S-IJ35-EPH	Ephemeral
S-GH44	Perennial	S-S10	Perennial	S-KL27	Ephemeral
S-GH6	Perennial	S-S11	Perennial	S-MM10	Intermittent
S-GH7	Perennial	S-SS8	Perennial	S-MM8	Perennial
S-GH9	Perennial	S-YZ4	Ephemeral	S-OO1	Intermittent
S-H1	Perennial	S-YZ5	Ephemeral	S-OO2	Intermittent
S-H17	Intermittent	S-A4#	Perennial	S-P5	Ephemeral
S-H23	Ephemeral	S-A5	Ephemeral	S-Q1	Ephemeral
S-H24	Perennial	S-A6	Perennial	S-Q15	Ephemeral
S-H25	Perennial	S-B2	Ephemeral	S-Q2	Perennial
S-H27	Ephemeral	S-B6	Ephemeral	S-Q3	Perennial
S-H28	Ephemeral	S-B8	Intermittent	S-Q4	Perennial
S-H30	Intermittent				

Anticipated Wetland Impacts

Wetland ID	Cowardin Class	Wetland ID	Cowardin Class	Wetland ID	Cowardin Class	Wetland ID	Cowardin Class
W-CD12	PEM	W-IJ93	PEM	W-GH2	PSS	W-EF18	PSS
W-HH15	PEM	W-IJ94-PEM	PEM	W-H11	PEM	W-EF19	PSS
W-MM10	PEM	W-IJ94-PSS	PSS	W-H14	PEM	W-EF21	PEM
W-RR1b	PEM	W-IJ95-PSS	PSS	W-H15	PSS	W-EF22	PFO
W-Z11	PEM	W-IJ96-PEM	PEM	W-H16	PEM	W-EF42	PEM
W-Z3	PSS	W-IJ96-PEM	PEM	W-H17	PFO	W-EF44	PEM
TTVA-W-CD11	PEM	W-IJ97	PEM	W-H6	PEM	W-EF46	PSS
W-AB7	PEM	W-KL1	PEM	W-H9	PEM	W-EF55	PEM
W-AD4	PEM	W-KL15	PEM	W-II3	PEM	W-IJ10	PEM
W-C11	PSS	W-KL16	PEM	W-II8	PEM	W-IJ102	PFO
W-C12	PFO	W-KL17	PSS	W-IJ1	PEM	W-IJ105	PEM
W-C5	PEM	W-KL2	PEM	W-IJ2-PEM	PEM	W-IJ36	PSS
W-C6	PEM	W-KL48-PEM	PEM	W-IJ2-PSS	PSS	W-IJ62	PEM
W-CD11	PEM	W-KL48-PSS-1	PSS	W-IJ6	PEM	W-D7-PEM	PEM
W-CD11	PEM	W-KL48-PSS-2	PSS	W-IJ67	PEM	W-DD1	PEM
W-EF5-PFO	PFO	W-KL49-PEM	PEM	W-IJ70-PFO-2	PFO	W-E7	PEM
W-F9-PFO	PFO	W-KL50	PEM	W-IJ70-PSS	PSS	W-E8	PEM
W-IJ46-PEM	PEM	W-KL51-PEM	PEM	W-IJ71	PEM	W-EF11	PEM
W-MN11	PEM	W-KL51-PSS	PSS	W-KL41	PEM	W-EF11	PEM
W-NN6	PEM	W-KL53	PEM	W-KL43b	PEM	W-EF11	PEM
W-NN8	PFO	W-KL54	PEM	W-MM17	PEM	W-EF3	PEM
W-PP8	PEM	W-KL55	PEM	W-RR3	PEM	W-EF4	PEM
TTVA-W-301	PEM	W-MN7-PEM	PEM	W-RR4	PEM	W-EF48	PEM
W-AB3-PEM-2	PEM	W-MN8	PEM	W-ST2-PEM	PEM	W-EF51	PEM
W-AB5	PFO	W-MN9	PFO	W-A4#	PEM	W-GH16	PFO
W-AB6-PEM-1	PEM	W-Q11	PEM	W-B3	PEM	W-H3	PEM
W-AB6-PEM-2	PEM	W-Y2	PEM	W-B4-PSS	PSS	W-H5	PEM
W-AB6-PFO-1	PFO	W-Z6	PFO	W-B5	PEM	W-IJ21	PFO
W-AB6-PSS	PSS	W-Z7	PSS	W-C1	PEM	W-IJ22-PEM	PEM
W-B24-PEM	PEM	W-A12-PFO	PFO	W-CC2-PEM	PEM	W-IJ22-PFO	PFO
W-B24-PSS	PSS	W-A8	PEM	W-D3	PFO	W-MM3	PSS
W-B25-PEM-1	PEM	W-CD1	PFO	W-EF6	PFO	W-MM5	PSS
W-B25-PSS-2	PSS	W-CD5	PFO	W-G2	PEM	W-MM8-PEM	PEM
W-EF14	PEM	W-CD6	PEM	W-H1	PEM	W-MM8-PFO	PFO
W-EF17	PFO	W-D6	PFO	W-H2	PEM	W-MM9	PEM
W-Q1	PEM	W-Q2	PFO				