



IDENTIFICATION	INSTRUMENT NUMBER	PIPE DIAMETER	QUANTITY
V3, V4	V5051-Y-4	1"	2
V11, V11	V5051-Y-2	1"	2
V22	V5050-G-2	1"	NOTE 4
V8, V9, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50	V5051-Y-4	1"	5
V21, V22	V5050-G-2	1"	2
V218	V5050-G-2	2"	1
V22, V23	V5051-Y-4	2"	2
V36, V37, V38	V5051-Y-4	1"	3
V26, V27	V5051-Y-4	1"	2
V25, V29	V5050-A-2	1"	2
V211	V5051-A-4	1/2"	1
V45, V46, V47, V48, V49, V50	V5051-A-2	1"	10
V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50	V5051-E-2	3/4"	25

- NOTES:
1. THE CONTROL EQUIPMENT MARK NUMBER SHALL INCLUDE A PREFIX WHICH IS IDENTICAL TO THE SYSTEM CODE PREFIX FOR THE ASSOCIATED EQUIPMENT OR PIPE LINE UNLESS OTHERWISE NOTED.
  2. VALVE FAIL WITH FLOW TO VOLUME CONTROL TANK.
  3. WESTINGHOUSE FLOW NUMBERING SYSTEM.
  4. T78 VALVE TYPE (SPECIFIED IN VALVE REF GUIDE).
  5. ALL VALVES & INSTRUMENTS SUPPLIED BY WESTINGHOUSE UNLESS OTHERWISE NOTED.
  6. S & W DENOTES EQUIPMENT SUPPLIED BY S & W.
  7. WESTINGHOUSE CONTROL EQUIPMENT IDENTIFICATION NOS ARE SHOWN IN SQUARES ATTACHED TO BALL-COONED MARK NOS WHERE THESE ARE DIFFERENT.
  8. VALVES WITH V NUMBERS LISTED IN VALVE TABLE ARE SUPPLIED BY S & W.
  9. ALL VALVES & INSTRUMENTS SUPPLIED BY WESTINGHOUSE UNLESS OTHERWISE NOTED.
  10. S & W DENOTES EQUIPMENT SUPPLIED BY S & W.
  11. WESTINGHOUSE CONTROL EQUIPMENT IDENTIFICATION NOS ARE SHOWN IN SQUARES ATTACHED TO BALL-COONED MARK NOS WHERE THESE ARE DIFFERENT.
  12. VALVES WITH V NUMBERS LISTED IN VALVE TABLE ARE SUPPLIED BY S & W.
  13. BAYONET SPARGER IS INSTALLED INSIDE LETDOWN LINE AT LEAST 80 FT UP STREAM OF VCI, DOWN STREAM TAP OF DI-20 IS LOCATED ALONG 4 LINE EVEN WITH END OF SPARGER.
  14. 90° ELBOW FLANGED AT BOTH ENDS FOR REMOVAL OF BAYONET SPARGER.
  15. TEN DIAMETERS STRAIGHT PIPE UPSTREAM AND FIVE DIAMETERS DOWNSTREAM REQUIRED.
  16. PIPING FROM THE BLENDER TO THE CHARGING PUMP SUCTION HEADER MUST NOT EXCEED FIFTY FEET IN TOTAL LENGTH.
  17. THIS SYSTEM WILL BE MAINTAINED TO CLEANNESS LEVEL 'B' IN ACCORDANCE WITH 2BVM-62.
  18. VENT SHALL TERMINATE INTO AN OPEN FUNNEL LOCATED TO ALLOW OBSERVATION OF FLOW DURING VENTING OPERATION FROM REMOVABLE PLUS OPENING AT TOP OF FILTER CUBICLE.
  19. GRIFF FLANGES WITH SOCKET WELDED TAPS ARE PROVIDED FOR ALL PIPES.
  20. METHOD OF CLOSURE FOR LOCAL VENTS, DRAINS, TEST CONNECTIONS AND CHEMICAL CLEANING CONNECTIONS SHALL BE AS SHOWN REFER TO 2BVM-211 FOR ADDITIONAL DETAILS.
  21. THE FOLLOWING SUBSTITUTION IS ACCEPTABLE: V5051-Y-2 FOR V5050-G-2.
  22. AN ACER-S&W WILL REPLACE THE DASH-IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE QUALITY ASSURANCE CATEGORY I.
  23. LOCATE 'LMD' AS CLOSE AS PRACTICE TO XMOV381 IN CABLE VAULT.
  24. INDICATES DISSIMILAR METAL WELD CONNECTIONS IN PIPING.
  25. CHEMICAL & VCL CONTROL PIPING - RM-79B(CAD)
  26. NUCLEAR VENT & DRAIN PIPING - RM-89B(CAD)
  27. BORON RECOVERY PIPING - RM-92A
  28. GASEOUS WASTE PIPING - RM-95A
  29. SAMPLE PIPING - RM-95B
  30. PRIMARY GRADE WATER PIPING - RM-102A
  31. FUEL PIT COOLING & PURIFICATION PIPING - RM-82A
  32. H<sub>2</sub> & CO<sub>2</sub> SUPPLY PIPING - RM-71A
  33. GASEOUS NITROGEN SYSTEM PIPING - RM-71B
  34. COMPONENT COOLING WATER PIPING - RM-77E

DUQUESNE LIGHT COMPANY  
ENGINEERING & CONSTRUCTION PITTSBURGH, PA.

ISSUED FOR PRODUCT ON  
PSA R DWS NOS CHANGED  
WAS RM-39A

STONE & WEBSTER ENGINEERS CORP.  
BOSTON, MASS.

FLOW DIAGRAM  
CHEMICAL & VOLUME CONTROL PIPING SH 1  
BEAVER VALLEY POWER STATION-UNIT NO. 2  
D.P.E. NO. 10080  
C.D. NO. 6289

AA No. 10080-RM-79A  
S&W DWG. NO. 12241-RM-79A-12C

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