PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 1 AND 2 SECONDARY LOOP

PUMPS LOCATED IN EAA EAST

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR02:SupTempAi	analog input	351	Deg. F.
G:PW:SR02:SetPtAi	analog input	352	Deg. F.
G:PW:SR02:DiffPresAi	analog input	353	PSIG
G:PW:SR02:DiffPresSetPtAi	analog input	354	PSIG
G:PW:SR02:SupFloAi	analog input	355	GPM
G:PW:SR02:RetFloAi	analog input	356	GPM
G:PW:SR02:ByPassValAi	analog input	358	%CLOS
G:PW:SREAA:SupTempAi	analog input	359	Deg. F.
G:PW:SREAA:SetPtAi	analog input	360	Deg. F.
G:PW:SREAA:DiffPresAi	analog input	361	PSIG
G:PW:SREAA:DiffPresSetPtAi	analog input	362	PSIG
G:PW:SREAA:SupFloAi	analog input	363	GPM
G:PW:SREAA:RetFloAi	analog input	364	GPM
G:PW:SREAA:MixValAi	analog input	365	%CLG
G:PW:SREAA:ByPassValAi	analog input	366	%CLOS
G:PW:SR02:Sec1/2-TempAi	analog input	380	Deg. F.
G:PW:SR02:EastEnableBi	binary input	1501	ENABLE/DISABLE
G:PW:SR02:HiFloEvBi	binary input	1502	ON/OFF
G:PW:SR02:StatusBi	binary input	1503	ON/OFF
G:PW:SR02:AlarmBi	binary input	1504	NORMAL/ALARM
G:PW:SR02:IsoValStatBi	binary input	1505	OPEN/CLOSED
G:PW:SR02:SuStbyValStatBi	binary input	1506	OPEN/CLOSED
G:PW:SR02:RtStbyValStatBi	binary input	1507	OPEN/CLOSED
G:PW:SREAA:EnableBi	binary input	1509	ENABLE/DISABLE
G:PW:SREAA:HiFloEvBi	binary input	1510	ON/OFF
G:PW:SREAA:StatusBi	binary input	1511	ON/OFF

Table 1: **APS\Net_Port\Bldg_400\Proc_Wtr\NP_R-E**

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SREAA:AlarmBi	binary input	1512	NORMAL/ALARM
G:PW:SREAA:IsoValStatBi	binary input	1513	OPEN/CLOSED
G:PW:SREAA:SuStbyValStatBi	binary input	1514	OPEN/CLOSED
G:PW:SREAA:RtStbyValStatBi	binary input	1515	OPEN/CLOSED
G:PW:SR02B:StatusBi	binary input	1524	ON/OFF

Table 1: APS\Net_Port\Bldg_400\Proc_Wtr\NP_R-E

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 3 AND 4 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZANINE AT COLUMN 66

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR04:SupTempAi	analog input	411	Deg. F.
G:PW:SR04:DiffPresAi	analog input	413	PSIG
G:PW:SR04:DiffPresSetPtAi	analog input	414	PSIG
G:PW:SR04:SupFloAi	analog input	415	GPM
G:PW:SR04:RetFloAi	analog input	416	GPM
G:PW:SR04:ByPassValAi	analog input	418	% CLOS
G:PW:SR04:Sec3/4-TempAi	analog input	419	Deg. F.
G:PW:SR04:Seg1-EnableBi	binary input	1611	ENABLE/DISABLE
G:PW:SR04:HiFloEvBi	binary input	1612	ON/OFF
G:PW:SR04:StatusBi	binary input	1613	ON/OFF
G:PW:SR04:AlarmBi	binary input	1614	NORMAL/ALARM
G:PW:SR04B:StatusBi	binary input	1615	ON/OFF
G:PW:SR04B:AlarmBi	binary input	1616	NORMAL/ALARM
G:PW:SR04:IsoValStatBi	binary input	1617	OPEN/CLOSED
G:PW:SR04:IsoValAlarm	binary input	1618	NORMAL/ALARM

Table 2: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg1

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 5 AND 6 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 72

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR06:SupTempAi	analog input	421	Deg. F.
G:PW:SR06:DiffPresAi	analog input	423	PSIG
G:PW:SR06:DiffPresSetPtAi	analog input	424	PSIG
G:PW:SR06:SupFloAi	analog input	425	GPM
G:PW:SR06:RetFloAi	analog input	426	GPM
G:PW:SR06:ByPassValAi	analog input	428	% CLOS
G:PW:SR06:Sec5/6-TempAi	analog input	429	Deg. F.
G:PW:SR06:Seg2-EnableBi	binary input	1621	ENABLE/DISABLE
G:PW:SR06:HiFloEvBi	binary input	1622	ON/OFF
G:PW:SR06:StatusBi	binary input	1623	ON/OFF
G:PW:SR06:AlarmBi	binary input	1624	NORMAL/ALARM
G:PW:SR06B:StatusBi	binary input	1625	ON/OFF
G:PW:SR06B:AlarmBi	binary input	1626	NORMAL/ALARM
G:PW:SR06:IsoValStatBi	binary input	1627	OPEN/CLOSED
G:PW:SR06:IsoValAlarm	binary input	1628	NORMAL/ALARM

Table 3: **APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg2**

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 7 AND 8 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 78

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR08:SupTempAi	analog input	431	Deg. F.
G:PW:SR08:DiffPresAi	analog input	433	PSIG
G:PW:SR08:DiffPresSetPtAi	analog input	434	PSIG
G:PW:SR08:SupFloAi	analog input	435	GPM
G:PW:SR08:RetFloAi	analog input	436	GPM
G:PW:SR08:ByPassValAi	analog input	438	% CLOS
G:PW:SR08:Sec7/8-TempAi	analog input	439	Deg. F.
G:PW:SR08:Seg3-EnableBi	binary input	1631	ENABLE/DISABLE
G:PW:SR08:HiFloEvBi	binary input	1632	ON/OFF
G:PW:SR08:StatusBi	binary input	1633	ON/OFF
G:PW:SR08:AlarmBi	binary input	1634	NORMAL/ALARM
G:PW:SR08B:StatusBi	binary input	1635	ON/OFF
G:PW:SR08B:AlarmBi	binary input	1636	NORMAL/ALARM
G:PW:SR08:IsoValStatBi	binary input	1637	OPEN/CLOSED
G:PW:SR08:IsoValAlarm	binary input	1638	NORMAL/ALARM

Table 4: **APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg3**

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 9 AND 10 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 84

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR10:SupTempAi	analog input	441	Deg. F.
G:PW:SR10:DiffPresAi	analog input	443	PSIG
G:PW:SR10:DiffPresSetPtAi	analog input	444	PSIG
G:PW:SR10:SupFloAi	analog input	445	GPM
G:PW:SR10:RetFloAi	analog input	446	GPM
G:PW:SR10:ByPassValAi	analog input	448	% CLOS
G:PW:SR10:Sec9/10-TempAi	analog input	449	Deg. F.
G:PW:SR10:Seg4-EnableBi	binary input	1641	ENABLE/DISABLE
G:PW:SR10:HiFloEvBi	binary input	1642	ON/OFF
G:PW:SR10:StatusBi	binary input	1643	ON/OFF
G:PW:SR10:AlarmBi	binary input	1644	NORMAL/ALARM
G:PW:SR10B:StatusBi	binary input	1645	ON/OFF
G:PW:SR10B:AlarmBi	binary input	1646	NORMAL/ALARM
G:PW:SR10:IsoValStatBi	binary input	1647	OPEN/CLOSED
G:PW:SR10:IsoValAlarm	binary input	1648	NORMAL/ALARM

Table 5: **APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg4**

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 11 AND 12 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 90

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR12:SupTempAi	analog input	451	Deg. F.
G:PW:SR12:DiffPresAi	analog input	453	PSIG
G:PW:SR12:DiffPresSetPtAi	analog input	454	PSIG
G:PW:SR12:SupFloAi	analog input	455	GPM
G:PW:SR12:RetFloAi	analog input	456	GPM
G:PW:SR12:MixValAi	analog input	457	% CLG
G:PW:SR12:ByPassValAi	analog input	458	% CLOS
G:PW:SR12:Sec11/12-TempAi	analog input	459	Deg. F.
G:PW:SR12:Seg5-EnableBi	binary input	1651	ENABLE/DISABLE
G:PW:SR12:HiFloEvBi	binary input	1652	ON/OFF
G:PW:SR12:StatusBi	binary input	1653	ON/OFF
G:PW:SR12:AlarmBi	binary input	1654	NORMAL/ALARM
G:PW:SR12B:StatusBi	binary input	1655	ON/OFF
G:PW:SR12B:AlarmBi	binary input	1656	NORMAL/ALARM
G:PW:SR12:IsoValStatBi	binary input	1657	OPEN/CLOSED
G:PW:SR12:IsoValAlarm	binary input	1658	NORMAL/ALARM

Table 6: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg5

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 13 AND 14 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 96

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR14:SupTempAi	analog input	461	Deg. F.
G:PW:SR14:DiffPresAi	analog input	463	PSIG
G:PW:SR14:DiffPresSetPtAi	analog input	464	PSIG
G:PW:SR14:SupFloAi	analog input	465	GPM
G:PW:SR14:RetFloAi	analog input	466	GPM
G:PW:SR14:ByPassValAi	analog input	468	% CLOS
G:PW:SR14:Sec13/14-TempAi	analog input	469	Deg. F.
G:PW:SR14:Seg6-EnableBi	binary input	1661	ENABLE/DISABLE
G:PW:SR14:HiFloEvBi	binary input	1662	ON/OFF
G:PW:SR14:StatusBi	binary input	1663	ON/OFF
G:PW:SR14:AlarmBi	binary input	1664	NORMAL/ALARM
G:PW:SR14B:StatusBi	binary input	1665	ON/OFF
G:PW:SR14B:AlarmBi	binary input	1666	NORMAL/ALARM
G:PW:SR14:IsoValStatBi	binary input	1667	OPEN/CLOSED
G:PW:SR14:IsoValAlarm	binary input	1668	NORMAL/ALARM

Table 7: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg6

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 15 AND 16 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 102

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR16:SupTempAi	analog input	471	Deg. F.
G:PW:SR16:DiffPresAi	analog input	473	PSIG
G:PW:SR16:DiffPresSetPtAi	analog input	474	PSIG
G:PW:SR16:SupFloAi	analog input	475	GPM
G:PW:SR16:RetFloAi	analog input	476	GPM
G:PW:SR16:ByPassValAi	analog input	478	% CLOS
G:PW:SR16:Sec15/16-TempAi	analog input	479	Deg. F.
G:PW:SR16:Seg7-EnableBi	binary input	1671	ENABLE/DISABLE
G:PW:SR16:HiFloEvBi	binary input	1672	ON/OFF
G:PW:SR16:StatusBi	binary input	1673	ON/OFF
G:PW:SR16:AlarmBi	binary input	1674	NORMAL/ALARM
G:PW:SR16B:StatusBi	binary input	1675	ON/OFF
G:PW:SR16B:AlarmBi	binary input	1676	NORMAL/ALARM
G:PW:SR16:IsoValStatBi	binary input	1677	OPEN/CLOSED
G:PW:SR16:IsoValAlarm	binary input	1678	NORMAL/ALARM

Table 8: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg7

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 17 AND 18 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 108

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR18:SupTempAi	analog input	481	Deg. F.
G:PW:SR18:DiffPresAi	analog input	483	PSIG
G:PW:SR18:DiffPresSetPtAi	analog input	484	PSIG
G:PW:SR18:SupFloAi	analog input	485	GPM
G:PW:SR18:RetFloAi	analog input	486	GPM
G:PW:SR18:ByPassValAi	analog input	488	% CLOS
G:PW:SR18:Sec17/18-TempAi	analog input	489	Deg. F.
G:PW:SR18:Seg8-EnableBi	binary input	1681	ENABLE/DISABLE
G:PW:SR18:HiFloEvBi	binary input	1682	ON/OFF
G:PW:SR18:StatusBi	binary input	1683	ON/OFF
G:PW:SR18:AlarmBi	binary input	1684	NORMAL/ALARM
G:PW:SR18B:StatusBi	binary input	1685	ON/OFF
G:PW:SR18B:AlarmBi	binary input	1686	NORMAL/ALARM
G:PW:SR18:IsoValStatBi	binary input	1687	OPEN/CLOSED
G:PW:SR18:IsoValAlarm	binary input	1688	NORMAL/ALARM

Table 9: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg8

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 19 AND 20 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 114

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR20:SupTempAi	analog input	491	Deg. F.
G:PW:SR20:DiffPresAi	analog input	493	PSIG
G:PW:SR20:DiffPresSetPtAi	analog input	494	PSIG
G:PW:SR20:SupFloAi	analog input	495	GPM
G:PW:SR20:RetFloAi	analog input	496	GPM
G:PW:SR20:ByPassValAi	analog input	498	% CLOS
G:PW:SR20:Sec19/20-TempAi	analog input	499	Deg. F.
G:PW:SR20:Seg9-EnableBi	binary input	1691	ENABLE/DISABLE
G:PW:SR20:HiFloEvBi	binary input	1692	ON/OFF
G:PW:SR20:StatusBi	binary input	1693	ON/OFF
G:PW:SR20:AlarmBi	binary input	1694	NORMAL/ALARM
G:PW:SR20B:StatusBi	binary input	1695	ON/OFF
G:PW:SR20B:AlarmBi	binary input	1696	NORMAL/ALARM
G:PW:SR20:IsoValStatBi	binary input	1697	OPEN/CLOSED
G:PW:SR20:IsoValAlarm	binary input	1698	NORMAL/ALARM

Table 10: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg9

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 21 AND 22 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 120

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR22:SupTempAi	analog input	501	Deg. F.
G:PW:SR22:DiffPresAi	analog input	503	PSIG
G:PW:SR22:DiffPresSetPtAi	analog input	504	PSIG
G:PW:SR22:SupFloAi	analog input	505	GPM
G:PW:SR22:RetFloAi	analog input	506	GPM
G:PW:SR22:ByPassValAi	analog input	508	% CLOS
G:PW:SR22:Sec21/22-TempAi	analog input	509	Deg. F.
G:PW:SR22:Seg10-EnableBi	binary input	1701	ENABLE/DISABLE
G:PW:SR22:HiFloEvBi	binary input	1702	ON/OFF
G:PW:SR22:StatusBi	binary input	1703	ON/OFF
G:PW:SR22:AlarmBi	binary input	1704	NORMAL/ALARM
G:PW:SR22B:StatusBi	binary input	1705	ON/OFF
G:PW:SR22B:AlarmBi	binary input	1706	NORMAL/ALARM
G:PW:SR22:IsoValStatBi	binary input	1707	OPEN/CLOSED
G:PW:SR22:IsoValAlarm	binary input	1708	NORMAL/ALARM

Table 11: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg10

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 23 AND 24 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 126

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR24:SupTempAi	analog input	511	Deg. F.
G:PW:SR24:DiffPresAi	analog input	513	PSIG
G:PW:SR24:DiffPresSetPtAi	analog input	514	PSIG
G:PW:SR24:SupFloAi	analog input	515	GPM
G:PW:SR24:RetFloAi	analog input	516	GPM
G:PW:SR24:ByPassValAi	analog input	518	% CLOS
G:PW:SR24:Sec23/24-TempAi	analog input	519	Deg. F.
G:PW:SR24:Seg11-EnableBi	binary input	1711	ENABLE/DISABLE
G:PW:SR24:HiFloEvBi	binary input	1712	ON/OFF
G:PW:SR24:StatusBi	binary input	1713	ON/OFF
G:PW:SR24:AlarmBi	binary input	1714	NORMAL/ALARM
G:PW:SR24B:StatusBi	binary input	1715	ON/OFF
G:PW:SR24B:AlarmBi	binary input	1716	NORMAL/ALARM
G:PW:SR24:IsoValStatBi	binary input	1717	OPEN/CLOSED
G:PW:SR24:IsoValAlarm	binary input	1718	NORMAL/ALARM

Table 12: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg11

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 25 AND 26 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 132

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR26:SupTempAi	analog input	521	Deg. F.
G:PW:SR26:DiffPresAi	analog input	523	PSIG
G:PW:SR26:DiffPresSetPtAi	analog input	524	PSIG
G:PW:SR26:SupFloAi	analog input	525	GPM
G:PW:SR26:RetFloAi	analog input	526	GPM
G:PW:SR26:ByPassValAi	analog input	528	% CLOS
G:PW:SR26:Sec25/26-TempAi	analog input	529	Deg. F.
G:PW:SR26:Seg12-EnableBi	binary input	1721	ENABLE/DISABLE
G:PW:SR26:HiFloEvBi	binary input	1722	ON/OFF
G:PW:SR26:StatusBi	binary input	1723	ON/OFF
G:PW:SR26:AlarmBi	binary input	1724	NORMAL/ALARM
G:PW:SR26B:StatusBi	binary input	1725	ON/OFF
G:PW:SR26B:AlarmBi	binary input	1726	NORMAL/ALARM
G:PW:SR26:IsoValStatBi	binary input	1727	OPEN/CLOSED
G:PW:SR26:IsoValAlarm	binary input	1728	NORMAL/ALARM

Table 13: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg12

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 27 AND 28 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 138

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR28:SupTempAi	analog input	531	Deg. F.
G:PW:SR28:DiffPresAi	analog input	533	PSIG
G:PW:SR28:DiffPresSetPtAi	analog input	534	PSIG
G:PW:SR28:SupFloAi	analog input	535	GPM
G:PW:SR28:RetFloAi	analog input	536	GPM
G:PW:SR28:ByPassValAi	analog input	538	% CLOS
G:PW:SR28:Sec27/28-TempAi	analog input	539	Deg. F.
G:PW:SR28:Seg13-EnableBi	binary input	1731	ENABLE/DISABLE
G:PW:SR28:HiFloEvBi	binary input	1732	ON/OFF
G:PW:SR28:StatusBi	binary input	1733	ON/OFF
G:PW:SR28:AlarmBi	binary input	1734	NORMAL/ALARM
G:PW:SR28B:StatusBi	binary input	1735	ON/OFF
G:PW:SR28B:AlarmBi	binary input	1736	NORMAL/ALARM
G:PW:SR28:IsoValStatBi	binary input	1737	OPEN/CLOSED
G:PW:SR28:IsoValAlarm	binary input	1738	NORMAL/ALARM

Table 14: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg13

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 29 AND 30 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 144

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR30:SupTempAi	analog input	541	Deg. F.
G:PW:SR30:DiffPresAi	analog input	543	PSIG
G:PW:SR30:DiffPresSetPtAi	analog input	544	PSIG
G:PW:SR30:SupFloAi	analog input	545	GPM
G:PW:SR30:RetFloAi	analog input	546	GPM
G:PW:SR30:ByPassValAi	analog input	548	% CLOS
G:PW:SR30:Sec29/30-TempAi	analog input	549	Deg. F.
G:PW:SR30:Seg14-EnableBi	binary input	1741	ENABLE/DISABLE
G:PW:SR30:HiFloEvBi	binary input	1742	ON/OFF
G:PW:SR30:StatusBi	binary input	1743	ON/OFF
G:PW:SR30:AlarmBi	binary input	1744	NORMAL/ALARM
G:PW:SR30B:StatusBi	binary input	1745	ON/OFF
G:PW:SR30B:AlarmBi	binary input	1746	NORMAL/ALARM
G:PW:SR30:IsoValStatBi	binary input	1747	OPEN/CLOSED
G:PW:SR30:IsoValAlarm	binary input	1748	NORMAL/ALARM

Table 15: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg14

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 31 AND 32 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 150

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR32:SupTempAi	analog input	551	Deg. F.
G:PW:SR32:DiffPresAi	analog input	553	PSIG
G:PW:SR32:DiffPresSetPtAi	analog input	554	PSIG
G:PW:SR32:SupFloAi	analog input	555	GPM
G:PW:SR32:RetFloAi	analog input	556	GPM
G:PW:SR32:ByPassValAi	analog input	558	% CLOS
G:PW:SR32:Sec31/32-TempAi	analog input	559	Deg. F.
G:PW:SR32:Seg15-EnableBi	binary input	1751	ENABLE/DISABLE
G:PW:SR32:HiFloEvBi	binary input	1752	ON/OFF
G:PW:SR32:StatusBi	binary input	1753	ON/OFF
G:PW:SR32:AlarmBi	binary input	1754	NORMAL/ALARM
G:PW:SR32B:StatusBi	binary input	1755	ON/OFF
G:PW:SR32B:AlarmBi	binary input	1756	NORMAL/ALARM
G:PW:SR32:IsoValStatBi	binary input	1757	OPEN/CLOSED
G:PW:SR32:IsoValAlarm	binary input	1758	NORMAL/ALARM

Table 16: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg15

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 33 AND 34 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 156

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR34:SupTempAi	analog input	561	Deg. F.
G:PW:SR34:DiffPresAi	analog input	563	PSIG
G:PW:SR34:DiffPresSetPtAi	analog input	564	PSIG
G:PW:SR34:SupFloAi	analog input	565	GPM
G:PW:SR34:RetFloAi	analog input	566	GPM
G:PW:SR34:ByPassValAi	analog input	568	% CLOS
G:PW:SR34:Sec33/34-TempAi	analog input	569	Deg. F.
G:PW:SR34:Seg16-EnableBi	binary input	1761	ENABLE/DISABLE
G:PW:SR34:HiFloEvBi	binary input	1762	ON/OFF
G:PW:SR34:StatusBi	binary input	1763	ON/OFF
G:PW:SR34:AlarmBi	binary input	1764	NORMAL/ALARM
G:PW:SR34B:StatusBi	binary input	1765	ON/OFF
G:PW:SR34B:AlarmBi	binary input	1766	NORMAL/ALARM
G:PW:SR34:IsoValStatBi	binary input	1767	OPEN/CLOSED
G:PW:SR34:IsoValAlarm	binary input	1768	NORMAL/ALARM

Table 17: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg16

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 35 AND 36 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 162

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR36:SupTempAi	analog input	571	Deg. F.
G:PW:SR36:DiffPresAi	analog input	573	PSIG
G:PW:SR36:DiffPresSetPtAi	analog input	574	PSIG
G:PW:SR36:SupFloAi	analog input	575	GPM
G:PW:SR36:RetFloAi	analog input	576	GPM
G:PW:SR36:ByPassValAi	analog input	578	% CLOS
G:PW:SR36:Sec35/36-TempAi	analog input	579	Deg. F.
G:PW:SR36:Seg17-EnableBi	binary input	1771	ENABLE/DISABLE
G:PW:SR36:HiFloEvBi	binary input	1772	ON/OFF
G:PW:SR36:StatusBi	binary input	1773	ON/OFF
G:PW:SR36:AlarmBi	binary input	1774	NORMAL/ALARM
G:PW:SR36B:StatusBi	binary input	1775	ON/OFF
G:PW:SR36B:AlarmBi	binary input	1776	NORMAL/ALARM
G:PW:SR36:IsoValStatBi	binary input	1777	OPEN/CLOSED
G:PW:SR36:IsoValAlarm	binary input	1778	NORMAL/ALARM

Table 18: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg17

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 37 AND 38 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT COLUMN 168

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR38:SupTempAi	analog input	581	Deg. F.
G:PW:SR38:DiffPresAi	analog input	583	PSIG
G:PW:SR38:DiffPresSetPtAi	analog input	584	PSIG
G:PW:SR38:SupFloAi	analog input	585	GPM
G:PW:SR38:RetFloAi	analog input	586	GPM
G:PW:SR38:ByPassValAi	analog input	588	% CLOS
G:PW:SR38:Sec37/38-TempAi	analog input	589	Deg. F.
G:PW:SR38:Seg18-EnableBi	binary input	1781	ENABLE/DISABLE
G:PW:SR38:HiFloEvBi	binary input	1782	ON/OFF
G:PW:SR38:StatusBi	binary input	1783	ON/OFF
G:PW:SR38:AlarmBi	binary input	1784	NORMAL/ALARM
G:PW:SR38B:StatusBi	binary input	1785	ON/OFF
G:PW:SR38B:AlarmBi	binary input	1786	NORMAL/ALARM
G:PW:SR38:IsoValStatBi	binary input	1787	OPEN/CLOSED
G:PW:SR38:IsoValAlarm	binary input	1788	NORMAL/ALARM

Table 19: APS\Net_Port\Bldg_400\Proc_Wtr\NP_Seg18

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

SECTORS 39 AND 40 SECONDARY LOOP

PUMPS LOCATED IN BLDG. 400 MEZZNINE AT EAA MEZZANINE WEST

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:SR40:SupTempAi	analog input	367	Deg. F.
G:PW:SR40:DiffPresAi	analog input	369	PSIG
G:PW:SR40:DiffPresSetPtAi	analog input	370	PSIG
G:PW:SR40:SupFloAi	analog input	371	GPM
G:PW:SR40:RetFloAi	analog input	372	GPM
G:PW:SR40:ByPassValAi	analog input	374	% CLOS
G:PW:SR40:Sec39/40-TempAi	analog input	379	Deg. F.
G:PW:SR40:West-EnableBi	binary input	1517	ENABLE/DISABLE
G:PW:SR40:HiFloEvBi	binary input	1518	ON/OFF
G:PW:SR40:StatusBi	binary input	1519	ON/OFF
G:PW:SR40B:StatusBi	binary input	1520	ON/OFF
G:PW:SR40:AlarmBi	binary input	1521	NORMAL/ALARM
G:PW:SR40:IsoValStatBi	binary input	1522	OPEN/CLOSED

Table 20: APS\Net_Port\Bldg_400\Proc_Wtr\NP_R-W

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 1 AND 2 LOCATED IN EAA MEZZANINE EAST WING

Table 21: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC-E

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC02:SupTempAi	analog input	375	Deg. F.
G:PW:VC02:EnableBi	binary input	1525	ENABLE/DISABLE
G:PW:VC02:PumpStatBi	binary input	1526	ON/OFF
G:PW:VC02B:PumpStatBi	binary input	1527	ON/OFF
G:PW:VC02:LoLoAlarmBi	binary input	1528	NORMAL/ALARM
G:PW:VC02:LoLvAlarmBi	binary input	1529	NORMAL/ALARM
G:PW:VC02:FloSwStatBi	binary input	1530	FLOW/NOFLOW

SECTORS 39 AND 40 LOCATED IN EAA MEZZANINE WEST WING

Table 22: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC-W

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC40:SupTempAi	analog input	377	Deg. F.
G:PW:VC40:EnableBi	binary input	1531	ENABLE/DISABLE
G:PW:VC40:PumpStatBi	binary input	1532	ON/OFF
G:PW:VC40B:PumpStatBi	binary input	1533	ON/OFF
G:PW:VC40:LoLoAlarmBi	binary input	1534	NORMAL/ALARM
G:PW:VC40:LoLvAlarmBi	binary input	1535	NORMAL/ALARM
G:PW:VC40:FloSwStatBi	binary input	1536	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 3 AND 4 LOCATED IN BLDG. 400 MEZZANINE COLUMN 66

Table 23: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC1

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC04:SupTempAi	analog input	601	Deg. F.
G:PW:VC04:EnableBi	binary input	1801	ENABLE/DISABLE
G:PW:VC04:PumpStatBi	binary input	1802	ON/OFF
G:PW:VC04B:PumpStatBi	binary input	1803	ON/OFF
G:PW:VC04:LoLoAlarmBi	binary input	1804	NORMAL/ALARM
G:PW:VC04:LoLvAlarmBi	binary input	1805	NORMAL/ALARM
G:PW:VC04:FloSwStatBi	binary input	1806	FLOW/NOFLOW

SECTORS 5 AND 6 LOCATED IN BLDG. 400 MEZZANINE COLUMN 72

Table 24: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC2

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC06:SupTempAi	analog input	603	Deg. F.
G:PW:VC06:EnableBi	binary input	1807	ENABLE/DISABLE
G:PW:VC06:PumpStatBi	binary input	1808	ON/OFF
G:PW:VC06B:PumpStatBi	binary input	1809	ON/OFF
G:PW:VC06:LoLoAlarmBi	binary input	1810	NORMAL/ALARM
G:PW:VC06:LoLvAlarmBi	binary input	1811	NORMAL/ALARM
G:PW:VC06:FloSwStatBi	binary input	1812	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 7 AND 8 LOCATED IN BLDG. 400 MEZZANINE COLUMN 78

Table 25: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC3

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC08:SupTempAi	analog input	605	Deg. F.
G:PW:VC08:EnableBi	binary input	1813	ENABLE/DISABLE
G:PW:VC08:PumpStatBi	binary input	1814	ON/OFF
G:PW:VC08B:PumpStatBi	binary input	1815	ON/OFF
G:PW:VC08:LoLoAlarmBi	binary input	1816	NORMAL/ALARM
G:PW:VC08:LoLvAlarmBi	binary input	1817	NORMAL/ALARM
G:PW:VC08:FloSwStatBi	binary input	1818	FLOW/NOFLOW

SECTORS 9 AND 10 LOCATED IN BLDG. 400 MEZZANINE COLUMN 84

Table 26: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC4

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC10:SupTempAi	analog input	607	Deg. F.
G:PW:VC10:EnableBi	binary input	1819	ENABLE/DISABLE
G:PW:VC10:PumpStatBi	binary input	1820	ON/OFF
G:PW:VC10B:PumpStatBi	binary input	1821	ON/OFF
G:PW:VC10:LoLoAlarmBi	binary input	1822	NORMAL/ALARM
G:PW:VC10:LoLvAlarmBi	binary input	1823	NORMAL/ALARM
G:PW:VC10:FloSwStatBi	binary input	1824	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 11 AND 12 LOCATED IN BLDG. 400 MEZZANINE COLUMN 90

Table 27: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC5

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC12:SupTempAi	analog input	609	Deg. F.
G:PW:VC12:EnableBi	binary input	1825	ENABLE/DISABLE
G:PW:VC12:PumpStatBi	binary input	1826	ON/OFF
G:PW:VC12B:PumpStatBi	binary input	1827	ON/OFF
G:PW:VC12:LoLoAlarmBi	binary input	1828	NORMAL/ALARM
G:PW:VC12:LoLvAlarmBi	binary input	1829	NORMAL/ALARM
G:PW:VC12:FloSwStatBi	binary input	1830	FLOW/NOFLOW

SECTORS 13 AND 14 LOCATED IN BLDG. 400 MEZZANINE COLUMN 96

Table 28: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC6

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC14:SupTempAi	analog input	611	Deg. F.
G:PW:VC14:EnableBi	binary input	1831	ENABLE/DISABLE
G:PW:VC14:PumpStatBi	binary input	1832	ON/OFF
G:PW:VC14B:PumpStatBi	binary input	1833	ON/OFF
G:PW:VC14:LoLoAlarmBi	binary input	1834	NORMAL/ALARM
G:PW:VC14:LoLvAlarmBi	binary input	1835	NORMAL/ALARM
G:PW:VC14:FloSwStatBi	binary input	1836	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 15 AND 16 LOCATED IN BLDG. 400 MEZZANINE COLUMN 102

Table 29: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC7

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC16:SupTempAi	analog input	613	Deg. F.
G:PW:VC16:EnableBi	binary input	1837	ENABLE/DISABLE
G:PW:VC16:PumpStatBi	binary input	1838	ON/OFF
G:PW:VC16B:PumpStatBi	binary input	1839	ON/OFF
G:PW:VC16:LoLoAlarmBi	binary input	1840	NORMAL/ALARM
G:PW:VC16:LoLvAlarmBi	binary input	1841	NORMAL/ALARM
G:PW:VC16:FloSwStatBi	binary input	1842	FLOW/NOFLOW

SECTORS 17 AND 18 LOCATED IN BLDG. 400 MEZZANINE COLUMN 108

Table 30: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC8

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC18:SupTempAi	analog input	615	Deg. F.
G:PW:VC18:EnableBi	binary input	1843	ENABLE/DISABLE
G:PW:VC18:PumpStatBi	binary input	1844	ON/OFF
G:PW:VC18B:PumpStatBi	binary input	1845	ON/OFF
G:PW:VC18:LoLoAlarmBi	binary input	1846	NORMAL/ALARM
G:PW:VC18:LoLvAlarmBi	binary input	1847	NORMAL/ALARM
G:PW:VC18:FloSwStatBi	binary input	1848	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 19 AND 20 LOCATED IN BLDG. 400 MEZZANINE COLUMN 114

Table 31: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC9

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC20:SupTempAi	analog input	617	Deg. F.
G:PW:VC20:EnableBi	binary input	1849	ENABLE/DISABLE
G:PW:VC20:PumpStatBi	binary input	1850	ON/OFF
G:PW:VC20B:PumpStatBi	binary input	1851	ON/OFF
G:PW:VC20:LoLoAlarmBi	binary input	1852	NORMAL/ALARM
G:PW:VC20:LoLvAlarmBi	binary input	1853	NORMAL/ALARM
G:PW:VC20:FloSwStatBi	binary input	1854	FLOW/NOFLOW

SECTORS 21 AND 22 LOCATED IN BLDG. 400 MEZZANINE COLUMN 120

Table 32: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC10

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC22:SupTempAi	analog input	619	Deg. F.
G:PW:VC22:EnableBi	binary input	1855	ENABLE/DISABLE
G:PW:VC22:PumpStatBi	binary input	1856	ON/OFF
G:PW:VC22B:PumpStatBi	binary input	1857	ON/OFF
G:PW:VC22:LoLoAlarmBi	binary input	1858	NORMAL/ALARM
G:PW:VC22:LoLvAlarmBi	binary input	1859	NORMAL/ALARM
G:PW:VC22:FloSwStatBi	binary input	1860	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 23 AND 24 LOCATED IN BLDG. 400 MEZZANINE COLUMN 126

Table 33: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC11

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC24:SupTempAi	analog input	621	Deg. F.
G:PW:VC24:EnableBi	binary input	1861	ENABLE/DISABLE
G:PW:VC24:PumpStatBi	binary input	1862	ON/OFF
G:PW:VC24B:PumpStatBi	binary input	1863	ON/OFF
G:PW:VC24:LoLoAlarmBi	binary input	1864	NORMAL/ALARM
G:PW:VC24:LoLvAlarmBi	binary input	1865	NORMAL/ALARM
G:PW:VC24:FloSwStatBi	binary input	1866	FLOW/NOFLOW

SECTORS 25 AND 26 LOCATED IN BLDG. 400 MEZZANINE COLUMN 132

Table 34: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC12

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC26:SupTempAi	analog input	623	Deg. F.
G:PW:VC26:EnableBi	binary input	1867	ENABLE/DISABLE
G:PW:VC26:PumpStatBi	binary input	1868	ON/OFF
G:PW:VC26B:PumpStatBi	binary input	1869	ON/OFF
G:PW:VC26:LoLoAlarmBi	binary input	1870	NORMAL/ALARM
G:PW:VC26:LoLvAlarmBi	binary input	1871	NORMAL/ALARM
G:PW:VC26:FloSwStatBi	binary input	1872	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 27 AND 28 LOCATED IN BLDG. 400 MEZZANINE COLUMN 138

Table 35: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC13

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC28:SupTempAi	analog input	625	Deg. F.
G:PW:VC28:EnableBi	binary input	1873	ENABLE/DISABLE
G:PW:VC28:PumpStatBi	binary input	1874	ON/OFF
G:PW:VC28B:PumpStatBi	binary input	1875	ON/OFF
G:PW:VC28:LoLoAlarmBi	binary input	1876	NORMAL/ALARM
G:PW:VC28:LoLvAlarmBi	binary input	1877	NORMAL/ALARM
G:PW:VC28:FloSwStatBi	binary input	1878	FLOW/NOFLOW

SECTORS 29 AND 30 LOCATED IN BLDG. 400 MEZZANINE COLUMN 144

Table 36: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC14

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC30:SupTempAi	analog input	627	Deg. F.
G:PW:VC30:EnableBi	binary input	1879	ENABLE/DISABLE
G:PW:VC30:PumpStatBi	binary input	1880	ON/OFF
G:PW:VC30B:PumpStatBi	binary input	1881	ON/OFF
G:PW:VC30:LoLoAlarmBi	binary input	1882	NORMAL/ALARM
G:PW:VC30:LoLvAlarmBi	binary input	1883	NORMAL/ALARM
G:PW:VC30:FloSwStatBi	binary input	1884	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 31 AND 32 LOCATED IN BLDG. 400 MEZZANINE COLUMN 150

Table 37: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC15

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC32:SupTempAi	analog input	629	Deg. F.
G:PW:VC32:EnableBi	binary input	1885	ENABLE/DISABLE
G:PW:VC32:PumpStatBi	binary input	1886	ON/OFF
G:PW:VC32B:PumpStatBi	binary input	1887	ON/OFF
G:PW:VC32:LoLoAlarmBi	binary input	1888	NORMAL/ALARM
G:PW:VC32:LoLvAlarmBi	binary input	1889	NORMAL/ALARM
G:PW:VC32:FloSwStatBi	binary input	1890	FLOW/NOFLOW

SECTORS 33 AND 34 LOCATED IN BLDG. 400 MEZZANINE COLUMN 156

Table 38: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC16

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC34:SupTempAi	analog input	631	Deg. F.
G:PW:VC34:EnableBi	binary input	1891	ENABLE/DISABLE
G:PW:VC34:PumpStatBi	binary input	1892	ON/OFF
G:PW:VC34B:PumpStatBi	binary input	1893	ON/OFF
G:PW:VC34:LoLoAlarmBi	binary input	1894	NORMAL/ALARM
G:PW:VC34:LoLvAlarmBi	binary input	1895	NORMAL/ALARM
G:PW:VC34:FloSwStatBi	binary input	1896	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 400 (STORAGE RING)

VACUUM CHAMBER COOLING SYSTEM

SECTORS 35 AND 36 LOCATED IN BLDG. 400 MEZZANINE COLUMN 162

Table 39: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC17

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC36:SupTempAi	analog input	633	Deg. F.
G:PW:VC36:EnableBi	binary input	1897	ENABLE/DISABLE
G:PW:VC36:PumpStatBi	binary input	1898	ON/OFF
G:PW:VC36B:PumpStatBi	binary input	1899	ON/OFF
G:PW:VC36:LoLoAlarmBi	binary input	1900	NORMAL/ALARM
G:PW:VC36:LoLvAlarmBi	binary input	1901	NORMAL/ALARM
G:PW:VC36:FloSwStatBi	binary input	1902	FLOW/NOFLOW

SECTORS 37 AND 38 LOCATED IN BLDG. 400 MEZZANINE COLUMN 168

Table 40: APS\Net_Port\Bldg_400\Proc_Wtr\NPSRVC18

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:VC38:SupTempAi	analog input	635	Deg. F.
G:PW:VC38:EnableBi	binary input	1903	ENABLE/DISABLE
G:PW:VC38:PumpStatBi	binary input	1904	ON/OFF
G:PW:VC38B:PumpStatBi	binary input	1905	ON/OFF
G:PW:VC38:LoLoAlarmBi	binary input	1906	NORMAL/ALARM
G:PW:VC38:LoLvAlarmBi	binary input	1907	NORMAL/ALARM
G:PW:VC38:FloSwStatBi	binary input	1908	FLOW/NOFLOW

PROCESS WATER FLOW FOR BUILDING 411/412 (LINAC/PAR/BOOSTER)

SECONDARY LOOP

PUMPS LOCATED IN BLDG. 412 GALLERY AREA ABOVE PAR ENCLOSURE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:PRKLY:SupTempAi	analog input	51	Deg. F.
G:PW:PRKLY:SetPtAi	analog input	52	Deg. F.
G:PW:PRKLY:DiffPresAi	analog input	53	PSIG
G:PW:PRKLY:DiffPresSetPtAi	analog input	54	PSIG
G:PW:PRKLY:SupFloAi	analog input	55	GPM
G:PW:PRKLY:RetFloAi	analog input	56	GPM
G:PW:PRKLY:MixValAi	analog input	57	% CLG
G:PW:PRKLY:ByPassValAi	analog input	58	% CLOS
G:PW:PRKLY:EnabBi	binary input	901	ENABLE/DISABLE
G:PW:PRKLY:HiFloEvBi	binary input	902	ON/OFF
G:PW:PRKLY:StatusBi	binary input	903	ON/OFF
G:PW:PRKLY:AlarmBi	binary input	904	NORMAL/ALARM
G:PW:PRKLY:IsoValStatBi	binary input	905	OPEN/CLOSED
G:PW:PRKLY:SuStbyValStatBi	binary input	906	OPEN/CLOSED
G:PW:PRKLY:RtStbyValStatBi	binary input	907	OPEN/CLOSED

Table 41: APS\Net_Port\Bldg_411\Proc_Wtr\NP_GAL

PROCESS WATER FLOW FOR BUILDING 411/412 (LINAC/PAR/BOOSTER)

SECONDARY LOOP

PUMPS LOCATED IN BLDG. 412 GALLERY AREA ABOVE PAR ENCLOSURE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:PR-LT:SupTempAi	analog input	59	Deg. F.
G:PW:PR-LT:SetPtAi	analog input	60	Deg. F.
G:PW:PR-LT:DiffPresAi	analog input	61	PSIG
G:PW:PR-LT:DiffPresSetPtAi	analog input	62	PSIG
G:PW:PR-LT:SupFloAi	analog input	63	GPM
G:PW:PR-LT:RetFloAi	analog input	64	GPM
G:PW:PR-LT:MixValAi	analog input	65	% CLG
G:PW:PR-LT:ByPassValAi	analog input	66	% CLOS
G:PW:PR-LT:EnabBi	binary input	909	ENABLE/DISABLE
G:PW:PR-LT:HiFloEvBi	binary input	910	ON/OFF
G:PW:PR-LT:StatusBi	binary input	911	ON/OFF
G:PW:PR-LT:AlarmBi	binary input	912	NORMAL/ALARM
G:PW:PR-LT:IsoValStatBi	binary input	913	OPEN/CLOSED
G:PW:PR-LT:SuStbyValStatBi	binary input	914	OPEN/CLOSED
G:PW:PR-LT:RtStbyValStatBi	binary input	915	OPEN/CLOSED

Table 42: APS\Net_Port\Bldg_411\Proc_Wtr\NP_TUN

PROCESS WATER FLOW FOR BUILDING 411 (LINAC/PAR/BOOSTER)

SECONDARY LOOP

PUMPS LOCATED IN BLDG. 412 GALLERY AREA ABOVE PAR

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:PRPAR:SupTempAi	analog input	67	Deg. F.
G:PW:PRPAR:SetPtAi	analog input	68	Deg. F.
G:PW:PRPAR:DiffPresAi	analog input	69	PSIG
G:PW:PRPAR:DiffPresSetPtAi	analog input	70	PSIG
G:PW:PRPAR:SupFloAi	analog input	71	GPM
G:PW:PRPAR:RetFloAi	analog input	72	GPM
G:PW:PRPAR:MixValAi	analog input	73	% CLG
G:PW:PRPAR:ByPassValAi	analog input	74	% CLOS
G:PW:PRPAR:EnabBi	binary input	917	ENABLE/DISABLE
G:PW:PRPAR:HiFloEvBi	binary input	918	ON/OFF
G:PW:PRPAR:StatusBi	binary input	919	ON/OFF
G:PW:PRPAR:AlarmBi	binary input	920	NORMAL/ALARM
G:PW:PRPAR:IsoValStatBi	binary input	921	OPEN/CLOSED
G:PW:PRPAR:SuStbyValStatBi	binary input	922	OPEN/CLOSED
G:PW:PRPAR:RtStbyValStatBi	binary input	923	OPEN/CLOSED

Table 43: APS\Net_Port\Bldg_411\Proc_Wtr\NP_INJW

PROCESS WATER FLOW FOR BUILDING 411 (LINAC/PAR/BOOSTER)

SECONDARY LOOP

PUMPS LOCATED IN BLDG. 412 GALLERY AREA ABOVE ROOM B102

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:IWSYA:SupTempAi	analog input	75	Deg. F.
G:PW:IWSYA:SetPtAi	analog input	76	Deg. F.
G:PW:IWSYA:DiffPresAi	analog input	77	PSIG
G:PW:IWSYA:DiffPresSetPtAi	analog input	78	PSIG
G:PW:IWSYA:SupFloAi	analog input	79	GPM
G:PW:IWSYA:RetFloAi	analog input	80	GPM
G:PW:IWSYA:MixValAi	analog input	81	% CLG
G:PW:IWSYA:ByPassValAi	analog input	82	% CLOS
G:PW:IWSYA:EnabBi	binary input	925	ENABLE/DISABLE
G:PW:IWSYA:HiFloEvBi	binary input	926	ON/OFF
G:PW:IWSYA:StatusBi	binary input	927	ON/OFF
G:PW:IWSYB:StatusBi	binary input	928	ON/OFF
G:PW:IWSYA:AlarmBi	binary input	929	NORMAL/ALARM
G:PW:IWSYA:IsoValStatBi	binary input	930	OPEN/CLOSED
G:PW:PR-SB:StatusBi	binary input	932	ON/OFF

Table 44: APS\Net_Port\Bldg_411\Proc_Wtr\NP_STS

PROCESS WATER FLOW FOR BUILDING 411/412 (LINAC/PAR/BOOSTER)

LINAC LT-5 WATER SKID LOCATED IN LINAC GALLERY

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:LIWS:LT5-HtrTempAi	analog	137	Deg. F.
G:LIWS:LT5-HtrStPtAi	analog	138	Deg. F.
G:LIWS:LT5-PWTempAi	analog	139	Deg. F.
G:LIWS:LT5-HtrNorTempRanBi	binary	953	HTG/OFF

Table 45: APS\Net_Port\Bldg_411\Proc_Wtr\NP_LT-5

BUILDING 411/412 AIR TEMPERATURES (LINAC/PAR/BOOSTER)

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:IAHU:KlyZnTempAi	analog	130	Deg. F.
G:IAHU:LiTunlEastTempAi	analog	131	Deg. F.
G:IAHU:LiTunlWestTempAi	analog	132	Deg. F.
G:IAHU:SynTunlSouthTempAi	analog	133	Deg. F.

Table 46: APS\Net_Port\Bldg_411\AHUs\NP_411AH

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-SY:SupTempAi	analog input	217	Deg. F.
G:PW:RF-SY:DiffPresAi	analog input	219	PSIG
G:PW:RF-SY:DiffPresSetPtAi	analog input	220	PSIG
G:PW:RF-SY:SupFloAi	analog input	221	GPM
G:PW:RF-SY:RetFloAi	analog input	222	GPM
G:PW:RF-SY:ByPassValAi	analog input	224	% CLOS
G:PW:RF-SY:EnabBi	binary input	1217	ENABLE/DISABLE
G:PW:RF-SY:HiFloEvBi	binary input	1218	ON/OFF
G:PW:RF-SY:StatusBi	binary input	1219	ON/OFF
G:PW:RF-SY:AlarmBi	binary input	1220	NORMAL/ALARM
G:PW:RF-SY:IsoValStatBi	binary input	1221	OPEN/CLOSED
G:PW:RF-SY:SuStbyValStatBi	binary input	1222	OPEN/CLOSED
G:PW:RF-SY:RtStbyValStatBi	binary input	1223	OPEN/CLOSED

Table 47:

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-1:SupTempAi	analog input	201	Deg. F.
G:PW:RF-1:DiffPresAi	analog input	203	PSIG
G:PW:RF-1:DiffPresSetPtAi	analog input	204	PSIG
G:PW:RF-1:SupFloAi	analog input	205	GPM
G:PW:RF-1:RetFloAi	analog input	206	GPM
G:PW:RF-1:ByPassValAi	analog input	208	% CLOS
G:PW:RF-1:EnabBi	binary input	1201	ENABLE/DISABLE
G:PW:RF-1:HiFloEvBi	binary input	1202	ON/OFF
G:PW:RF-1:StatusBi	binary input	1203	ON/OFF
G:PW:RF-1:AlarmBi	binary input	1204	NORMAL/ALARM
G:PW:RF-1:IsoValStatBi	binary input	1205	OPEN/CLOSED
G:PW:RF-1:SuStbyValStatBi	binary input	1206	OPEN/CLOSED
G:PW:RF-1:RtStbyValStatBi	binary input	1207	OPEN/CLOSED

Table 48: APS\Net_Port\Bldg_420\Proc_Wtr\NP_RF1

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-2:SupTempAi	analog input	209	Deg. F.
G:PW:RF-2:DiffPresAi	analog input	211	PSIG
G:PW:RF-2:DfPresSetPtAi	analog input	212	PSIG
G:PW:RF-2:SupFloAi	analog input	213	GPM
G:PW:RF-2:RetFloAi	analog input	214	GPM
G:PW:RF-2:ByPassValAi	analog input	216	% CLOS
G:PW:RF-2:EnabBi	binary input	1209	ENABLE/DISABLE
G:PW:RF-2:HiFloEvBi	binary input	1210	ON/OFF
G:PW:RF-2:StatusBi	binary input	1211	ON/OFF
G:PW:RF-2:AlarmBi	binary input	1212	NORMAL/ALARM
G:PW:RF-2:IsoValStatBi	binary input	1213	OPEN/CLOSED
G:PW:RF-2:SuStbyValStBi	binary input	1214	OPEN/CLOSED
G:PW:RF-2:RtStbyValStBi	binary input	1215	OPEN/CLOSED

Table 49: APS\Net_Port\Bldg_420\Proc_Wtr\NP_RF2

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-3:SupTempAi	analog input	236	Deg. F.
G:PW:RF-3:DiffPresAi	analog input	238	PSIG
G:PW:RF-3:DiffPresSetPtAi	analog input	239	PSIG
G:PW:RF-3:SupFloAi	analog input	240	GPM
G:PW:RF-3:RetFloAi	analog input	241	GPM
G:PW:RF-3:ByPassValAi	analog input	243	% CLOS
G:PW:RF-3:EnabBi	binary input	1234	ENABLE/DISABLE
G:PW:RF-3:HiFloEvBi	binary input	1235	ON/OFF
G:PW:RF-3:StatusBi	binary input	1236	ON/OFF
G:PW:RF-3:AlarmBi	binary input	1237	NORMAL/ALARM
G:PW:RF-3:IsoValStatBi	binary input	1238	OPEN/CLOSED
G:PW:RF-3:SuStbyValStatBi	binary input	1239	OPEN/CLOSED
G:PW:RF-3:RtStbyValStatBi	binary input	1240	OPEN/CLOSED

Table 50: APS\Net_Port\Bldg_420\Proc_Wtr\NP_RF3

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-5:SupTempAi	analog input	252	Deg. F.
G:PW:RF-5:DiffPresAi	analog input	254	PSIG
G:PW:RF-5:DiffPresSetPtAi	analog input	255	PSIG
G:PW:RF-5:SupFloAi	analog input	256	GPM
G:PW:RF-5:RetFloAi	analog input	257	GPM
G:PW:RF-5:ByPassValAi	analog input	259	% CLOS
G:PW:RF-5:EnabBi	binary input	1250	ENABLE/DISABLE
G:PW:RF-5:HiFloEvBi	binary input	1251	ON/OFF
G:PW:RF-5:StatusBi	binary input	1252	ON/OFF
G:PW:RF-5:AlarmBi	binary input	1253	NORMAL/ALARM
G:PW:RF-5:IsoValStatBi	binary input	1254	OPEN/CLOSED
G:PW:RF-5:SuStbyValStatBi	binary input	1255	OPEN/CLOSED
G:PW:RF-5:RtStbyValStatBi	binary input	1256	OPEN/CLOSED

Table 51: **APS\Net_Port\Bldg_420\Proc_Wtr\NP_RF5**

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RF-4:SupTempAi	analog input	244	Deg. F.
G:PW:RF-4:DiffPresAi	analog input	246	PSIG
G:PW:RF-4:DiffPresSetPtAi	analog input	247	PSIG
G:PW:RF-4:SupFloAi	analog input	248	GPM
G:PW:RF-4:RetFloAi	analog input	249	GPM
G:PW:RF-4:ByPassValAi	analog input	251	% CLOS
G:PW:RF-4:EnabBi	binary input	1242	ENABLE/DISABLE
G:PW:RF-4:HiFloEvBi	binary input	1243	ON/OFF
G:PW:RF-4:StatusBi	binary input	1244	ON/OFF
G:PW:RF-4:AlarmBi	binary input	1245	NORMAL/ALARM
G:PW:RF-4:IsoValStatBi	binary input	1246	OPEN/CLOSED
G:PW:RF-4:SuStbyValStatBi	binary input	1247	OPEN/CLOSED
G:PW:RF-4:RtStbyValStatBi	binary input	1248	OPEN/CLOSED

Table 52: APS\Net_Port\Bldg_420\Proc_Wtr\NP_RF4

PROCESS WATER FLOW FOR BUILDING 420 (RF/EXTRACTION WING)

SECONDARY LOOP

PUMPS LOCATED ON SOUTH MEZZANINE

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:PW:RFLDA:SupTempAi	analog input	225	Deg. F.
G:PW:RFLDA:DiffPresAi	analog input	227	PSIG
G:PW:RFLDA:DiffPresSetPtAi	analog input	228	PSIG
G:PW:RFLDA:SupFloAi	analog input	229	GPM
G:PW:RFLDA:RetFloAi	analog input	230	GPM
G:PW:RFLDA:ByPassValAi	analog input	232	% CLOS
G:PW:RFLDA:EnabBi	binary input	1225	ENABLE/DISABLE
G:PW:RFLDA:HiFloEvBi	binary input	1226	ON/OFF
G:PW:RFLDA:StatusBi	binary input	1227	ON/OFF
G:PW:RFLDB:StatusBi	binary input	1228	ON/OFF
G:PW:RFLDA:AlarmBi	binary input	1229	NORMAL/ALARM
G:PW:RFLDA:IsoValStatBi	binary input	1230	OPEN/CLOSED
G:PW:RFSBE:StatusBi	binary input	1232	ON/OFF
G:PW:RFSBW:StatusBi	binary input	1233	ON/OFF

Table 53: APS\Net_Port\Bldg_420\Proc_Wtr\NP_908-9

BUILDING 420 AIR TEMPERATURES (SYNC. TUNNEL NORTH/EXT ZONE)

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:SAHU:SynTunlNorthTempAi	analog	260	Deg. F.
G:SAHU:RFExtZnTempAi	analog	261	Deg. F.

Table 54: APS\Net_Port\Bldg_420\AHUs\NP_420AH

BUILDING 450 MAIN PUMPING STATION

PRIMARY LOOP

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:DIWP:OutAirTempAi	analog input	1	Deg. F.
G:DIWP:OutAirHumAi	analog input	2	% Rel. H..
G:DIWS:PWSupTempAi	analog input	3	Deg. F.
G:DIWS:PWRetTempAi	analog input	4	Deg. F.
G:DIWP:PWDISysPresAi	analog input	5	psig
G:DIWP:PWDIPresPreviousAi	analog input	6	psig
G:DIWP:PWPresRateChangeAi	analog input	7	psig/m
G:DIWP:PW10-SampAveAi	analog input	8	psig/m
G:DIWP:PW20-SampAveAi	analog input	9	psig/m
G:DIWP:PW30-SampAveAi	analog input	10	psig/m
G:DIWP:PWMakeupResAi	analog input	11	MegOhm
G:DIWP:PWStorTankResAI	analog input	12	MegOhm

Table 55: APS\Net_Port\Bldg|450\NP_450

PROCESS VARIABLE NAME AND INFORMATION			
PROCESS VARIABLE NAME	**INPUT**	**ITEM**	**UNITS**
G:DIWP:PW815StatusBi	binary input	800	ON/OFF
G:DIWP:PW816StatusBi	binary input	801	ON/OFF
G:DIWP:PW817StatusBi	binary input	802	ON/OFF
G:DIWP:GeneratorStatusBi	binary input	803	ON/OFF

Table 55: APS\Net_Port\Bldg|450\NP_450