SLEF-REGULATED VALVE SCHEDULE

TAG NUMBER	VALVE TYPE	SIZE, INCHES	INLET PRESSURE, PSIG	OUTLET PRESSURE, PSIG	MAXIMUM OPERATING DP, PSID	SET PRESSURE, PSIG UNLESS NOTED	FLOW, GPM UNLESS NOTED	PROCESS FLUID	P&ID NO. I94100	COMMENTS
HDWK-AVRV-100-A	V751	2	20	ATM	N/A	N/A	N/A	INF	1-F-0003	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-100-B	V751	2	20	ATM	N/A	N/A	N/A	INF	1-F-0003	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-100-C	V751	2	20	ATM	N/A	N/A	N/A	INF	1-F-0003	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-101	V751	2	20	ATM	N/A	N/A	N/A	INF	1-F-0003	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-102	V751	4	20	ATM	N/A	N/A	N/A	INF	1-F-0003	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/2-INCH.
HDWK-AVRV-200-A	V751	2	20	ATM	N/A	N/A	N/A	SW	1-F-0004	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-200-B	V751	2	33	ATM	N/A	N/A	N/A	SW	1-F-0004	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-200-C	V751	2	33	ATM	N/A	N/A	N/A	SW	1-F-0004	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
HDWK-AVRV-201	V751	2	33	ATM	N/A	N/A	N/A	SW	1-F-0004	DUAL ORIFICE VALVE; SMALL ORIFICE SIZED AT 1/4-INCH.
CHEM-AVRV-530-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SU	1-F-0007	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-530-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SU	1-F-0007	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-530-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.0175	SU	1-F-0007	
CHEM-PCV-530-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.0175	SU	1-F-0007	
CHEM-PCV-530-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.22	SU	1-F-0007	
CHEM-PRV-530-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	1-F-0007	
CHEM-PRV-530-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	1-F-0007	
CHEM-PRV-530-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	1-F-0007	
CHTR-PSV-405-A	V731	6	65	ATM	N/A	65	1700	INF	2-F-0001	
CHTR-PSV-405-B	V731	6	65	ATM	N/A	65	1700	INF	2-F-0001	
CHTR-PSV-405-C	V731	6	65	ATM	N/A	65	1700	INF	2-F-0001	
CHTR-AVRV-100	V740	1	5	ATM	ATM	5	1000	BWW	2-F-0001	
SLDP-PSV-700-A	V731	3	40	ATM	N/A	40	225	SLR	2-F-0004	
SLDP-PSV-700-B	V731	3	40	ATM	N/A	40	225	SLR	2-F-0004	
SLDP-PSV-700-C	V731	3	40	ATM	N/A	40	225	SLR	2-F-0004	
FLTR-AVRV-612	V740	2	22	ATM	22	N/A	4680	BWS	2-F-0012	
SLDP-PSV-710-A	V731	1	30	ATM	N/A	30	20	SLW	2-F-0013	
SLDP-PSV-710-B	V731	1	30	ATM	N/A	30	20	SLW	2-F-0013	
SLDP-PSV-710-C	V731	1	30	ATM	N/A	30	20	SLW	2-F-0013	
SLDP-AVRV-100	V740	1	35	ATM	35	N/A	1000	BWW	2-F-0014	
SLDP-PSV-718-A	V731	1.5	125	ATM	N/A	125	60	TSL	2-F-0015	
SLDP-PSV-718-B	V731	1.5	125	ATM	N/A	125	60	TSL	2-F-0015	
CHEM-CARV-531	V780	8	0.5	ATM	0.5 pressure, 0.15 vaccum	See Notes	1200 SCFM	SU	2-F-0016	Set pressure = 3 oz./in^2 pressure and 1 oz./in^2 vacuum
CHEM-PCV-531-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.037	SU	2-F-0016	
CHEM-PCV-531-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.037	SU	2-F-0016	
CHEM-PCV-531-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.037	SU	2-F-0016	
CHEM-PRV-531-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	2-F-0016	
CHEM-PRV-531-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	2-F-0016	
CHEM-PRV-531-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SU	2-F-0016	
CHEM-PCV-520-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.24	FCL	2-F-0017	
CHEM-PCV-520-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.24	FCL	2-F-0017	
CHEM-PCV-520-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.24	FCL	2-F-0017	
CHEM-PRV-520-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	FCL	2-F-0017	
CHEM-PRV-520-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	FCL	2-F-0017	
CHEM-PRV-520-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	FCL	2-F-0017	
CHEM-AVRV-512-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	FAP	2-F-0018	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-512-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	FAP	2-F-0018	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-512-A	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	1.466666667	FAPS	2-F-0018	
CHEM-PCV-512-B	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	1.466666667	FAPS	2-F-0018	
CHEM-PCV-512-C	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	1.466666667	FAPS	2-F-0018	
CHEM-AVRV-511-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	FLP	2-F-0019	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-511-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	FLP	2-F-0019	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-511-A	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.391666667	FLPS	2-F-0019	
CHEM-PCV-511-B	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.391666667	FLPS	2-F-0019	
CHEM-PCV-511-C	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.391666667	FLPS	2-F-0019	
CHEM-AVRV-513-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	TAP	2-F-0020	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-513-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	TAP	2-F-0020	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-513-A	VENDOR SUPPLIED	1	PER MFG.	PER MFG.	PER MFG.	15	6	TAPS	2-F-0020	
CHEM-PCV-513-B	VENDOR SUPPLIED	1	PER MFG.	PER MFG.	PER MFG.	15	6	TAPS	2-F-0020	
	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SB	2-F-0021	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-500-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SB	2-F-0021	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-500-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.004666667	SB	2-F-0021	
CHEM-PCV-500-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.004666667	SB	2-F-0021	
CHEM-PCV-500-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.004666667	SB	2-F-0021	
CHEM-PCV-500-D	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.004666667	SB	2-F-0021	
CHEM-PRV-500-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SB	2-F-0021	
CHEM-PRV-500-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SB	2-F-0021	
CHEM-PRV-500-C	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SB	2-F-0021	
CHEM-PRV-500-D	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SB	2-F-0021	
CHEM-AVRV-540-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	OGS	2-F-0022	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-540-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	OGS	2-F-0022	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-540-A	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.017833333	OGS	2-F-0022	
CHEM-PCV-540-B	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.017833333	OGS	2-F-0022	
CHEM-PCV-540-C	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.017833333	OGS	2-F-0022	
CHEM-PCV-540-D	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	15	0.017833333	OGS	2-F-0022	
CHEM-PRV-540-A	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	OGS	2-F-0022	
CHEM-PRV-540-B	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	OGS	2-F-0022	
CHEM-PRV-540-C	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	OGS	2-F-0022	
CHEM-PRV-540-D	VENDOR SUPPLIED	0.75	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	OGS	2-F-0022	
CHEM-AVRV-550-A (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SH	2-F-0023	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-AVRV-550-B (*)	V785	2	0.5	ATM	0.5	0.5	*1 SCFM*	SH	2-F-0023	SUPPLIED BY CONTRACTOR FOR INSTALLATION ON TOTES BY OWNER
CHEM-PCV-550-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.0085	SH	2-F-0023	
CHEM-PCV-550-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	15	0.0085	SH	2-F-0023	
CHEM-PRV-550-A	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SH	2-F-0023	
CHEM-PRV-550-B	VENDOR SUPPLIED	0.5	PER MFG.	PER MFG.	PER MFG.	PER MFG.	PER MFG.	SH	2-F-0023	
CAIR-PCV-804	V711	2	135	60	75	60	*121 SCFM*	PA	2-F-0024	
CAIR-PCV-805	V711	2	135	60	75	60	*121 SCFM*	PA	2-F-0024	
CAIR-PCV-806	V711	0.75	135	80	75	80	*8 SCFM*	PA	2-F-0024	
CAIR-PSV-803	V731	2	165	ATM	N/A	165	*43 SCFM*	PA	2-F-0024	
CAIR-PSV-804	V731	2	165	ATM	N/A	165	*43 SCFM*	PA	2-F-0024	
CAIR-PSV-800-A	VENDOR SUPPLIED	PER MFG.	PER MFG.	ATM	PER MFG.	PER MFG.	PER MFG.	PA	2-F-0024	VALVE PROVIDED BY COMPRESSOR MANUFACTURER
CAIR-PSV-800-B	VENDOR SUPPLIED	PER MFG.	PER MFG.	ATM	PER MFG.	PER MFG.	PER MFG.	PA	2-F-0024	VALVE PROVIDED BY COMPRESSOR MANUFACTURER
FLTR-PRV-530-A	VENDOR SUPPLIED	--	11	ATM	PER MFG.	PER MFG.	*1040 SCFM*	BWA	2-F-0025	
FLTR-PRV-530-B	VENDOR SUPPLIED	--	11	ATK	PER MFG.	PER MFG.	*1040 SCFM*	BWA	2-F-0025	

(*) - CONTRACTOR SUPPLIED FOR INSTALLATION ON CHEMICAL TOTES BY OWNER

UCOR
URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility

Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942
« Oak Ridge, Tennessee »

DRW	L WALTER	06/16/17
CHKR	Q WANG	06/16/17
DE	N BERGLAND	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

RPE

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

GENERAL
SELF-ACTUATED VALVE SCHEDULE

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	M	X	X	NC	FAC	AR	E	9410-01	X	U

SH.	OF	TYPE		PART	REV
1	1	DD	M941001-F-0004	000	0

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE
	0	ISSUED FOR CONSTRUCTION	LW	QW	NB		LE	06/2017		

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK: WE AR CV ST HV EM FP PD EE IE M NP — DRAWING APPROVALS: REV. DATE — DATE

ISSUED FOR CONSTRUCTION

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