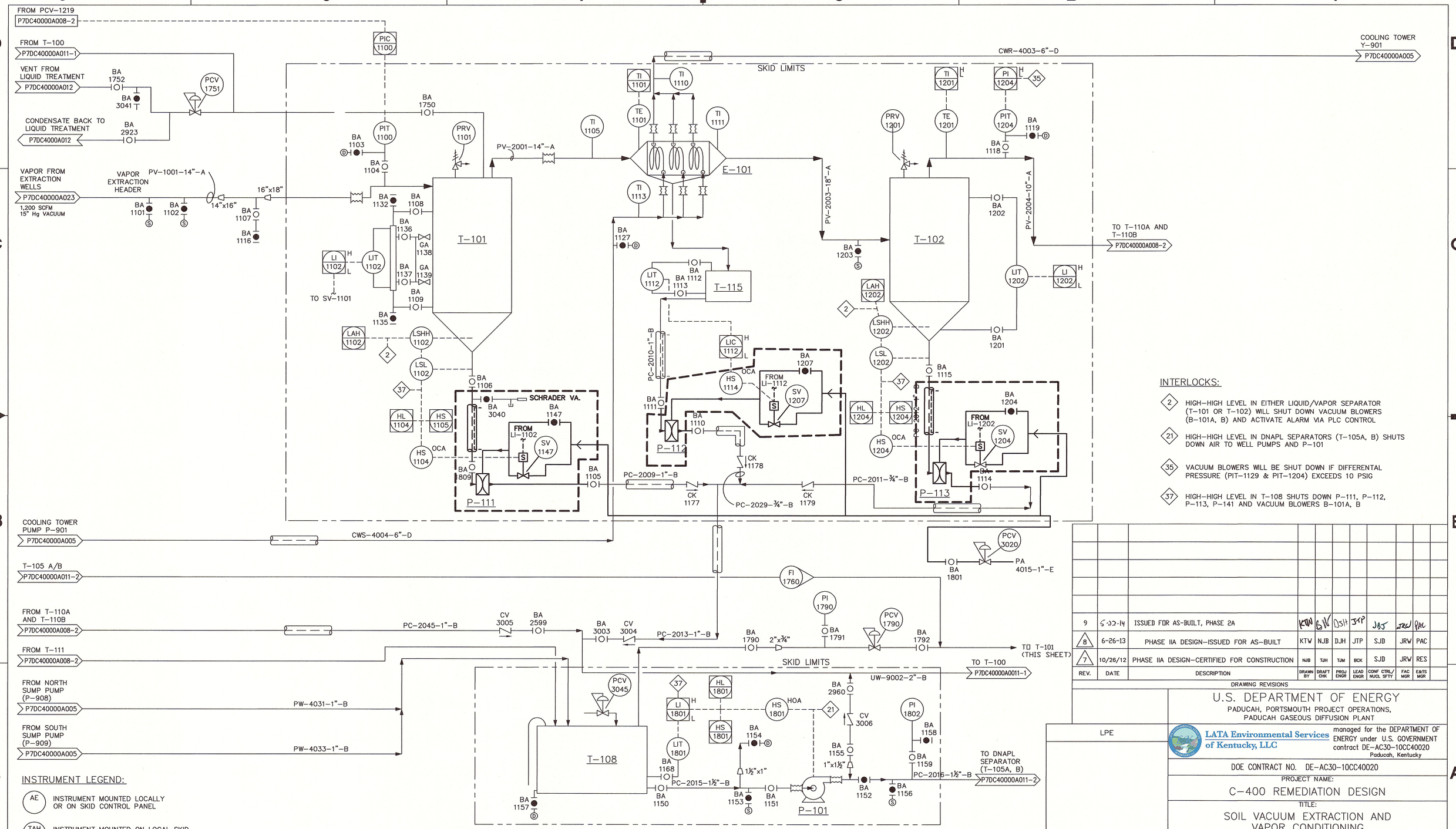

INTERLOCKS:

- (2) HIGH-HIGH LEVEL IN EITHER LIQUID/VAPOR SEPARATOR (T-101 OR T-102) WILL SHUT DOWN VACUUM BLOWERS (B-101A, B) AND ACTIVATE ALARM VIA PLC CONTROL
- (21) HIGH-HIGH LEVEL IN DNAPL SEPARATORS (T-105A, B) SHUTS DOWN AIR TO WELL PUMPS AND P-101
- (35) VACUUM BLOWERS WILL BE SHUT DOWN IF DIFFERENTIAL PRESSURE (PIT-1129 & PIT-1204) EXCEEDS 10 PSIG
- (37) HIGH-HIGH LEVEL IN T-108 SHUTS DOWN P-111, P-112, P-113, P-141 AND VACUUM BLOWERS B-101A, B

INSTRUMENT LEGEND:

- (AE) INSTRUMENT MOUNTED LOCALLY OR ON SKID CONTROL PANEL
- (TAH) INSTRUMENT MOUNTED ON LOCAL SKID CONTROL PANEL OR SKID PLC HMI
- (AI) INSTRUMENT DISPLAY ON HMI OF CENTRAL PLC

E-101	P-101	P-111	P-112	P-113	T-101	T-102	T-108	T-115
VAPOR COOLER	LIQUID/VAPOR SEPARATOR PUMP ½ HP	T-101 CONDENSATE PUMP	E-101 CONDENSATE PUMP	T-102 CONDENSATE PUMP	LIQUID/VAPOR SEPARATOR 1	LIQUID/VAPOR SEPARATOR 2	CONDENSATE SUMP TANK	E-101 CONDENSATE TANK

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	PROJ ENGR	LEAD ENGR	CONF CTRL/ NUCL SFTY	FAC MGR	E&TS MGR
9	5-22-14	ISSUED FOR AS-BUILT, PHASE 2A	KTW	GVK	DJH	JTP	SJD	JRW	PAC
8	6-26-13	PHASE IIA DESIGN-ISSUED FOR AS-BUILT	KTW	NJB	DJH	JTP	SJD	JRW	PAC
7	10/26/12	PHASE IIA DESIGN-CERTIFIED FOR CONSTRUCTION	NJB	TJH	TJM	BCK	SJD	JRW	RES

DRAWING REVISIONS

U.S. DEPARTMENT OF ENERGY
PADUCAH, PORTSMOUTH PROJECT OPERATIONS, PADUCAH GASEOUS DIFFUSION PLANT

LATA Environmental Services of Kentucky, LLC — managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC30-10CC40020, Paducah, Kentucky

LPE

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME: C-400 REMEDIATION DESIGN

TITLE: SOIL VACUUM EXTRACTION AND VAPOR CONDITIONING PROCESS PIPING & INSTRUMENTATION DIAGRAM

EDCS CAD FILENAME	BUILDING	PLANT	CLASS
P7DC40000A008-1 REV9.DWG	C-400	PDGP	U

DATE:	SCALE:	DRAWING NUMBER	REV
PROFESSIONAL SEAL	N/A	P7DC40000A008-1	9

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