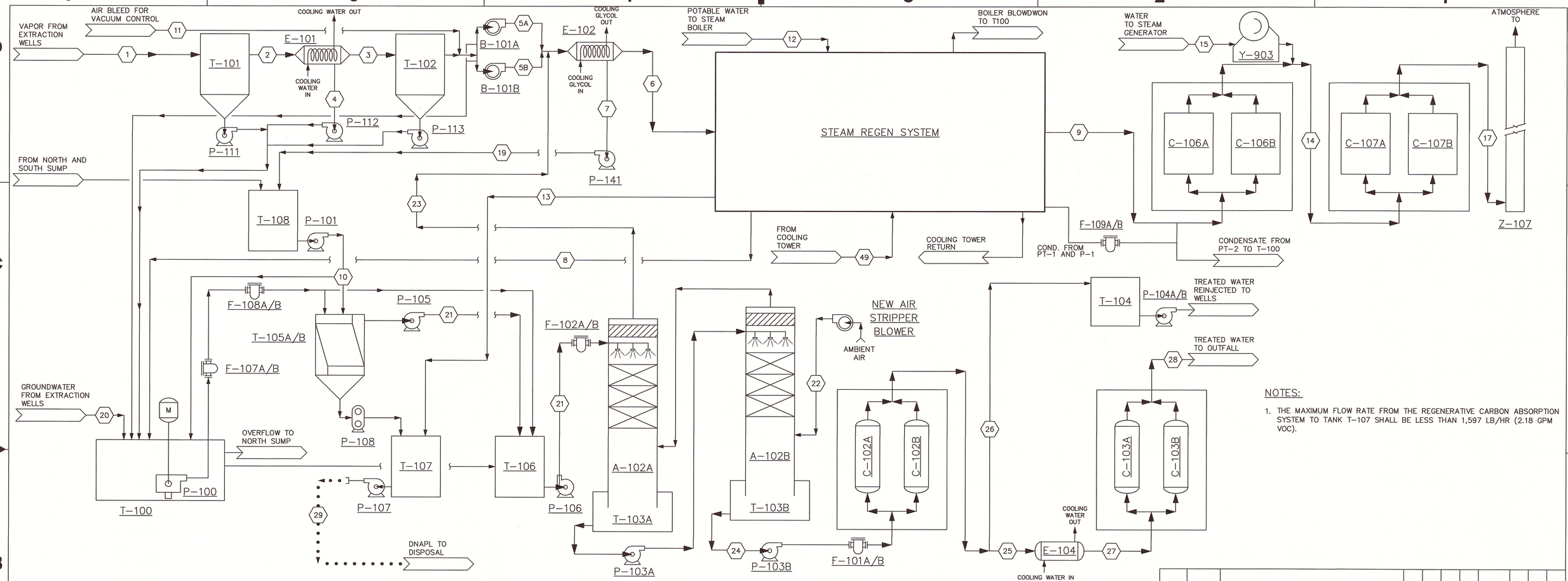

NOTES:

1. THE MAXIMUM FLOW RATE FROM THE REGENERATIVE CARBON ABSORPTION SYSTEM TO TANK T-107 SHALL BE LESS THAN 1,597 LB/HR (2.18 GPM VOC).

A-102A/B	AIR STRIPPER	
B-101A/B	VACUUM BLOWERS	
C-102A/B	ION EXCHANGE	
C-103A/B	LIQUID CARBON ADSORBERS	
C-106A/B	POLISHING VAPOR CARBON ADSORBERS	
C-107A/B	POLISHING VAPOR ZEOLITE SYSTEM	
E-101	VAPOR COOLER	
E-102	VAPOR CHILLER	
E-104	AIR STRIPPER EFFLUENT COOLER	
F-101A/B	AIR STRIPPER EFFLUENT FILTERS	
F-102A/B	AIR STRIPPER INFLUENT FILTERS	
F-107A/B	T-100 EFFLUENT FILTERS	
F-108A/B	T-100 EFFLUENT FILTERS	
F-109A/B	CARBON REGEN EFFLUENT FILTERS	
P-100	FEED SURGE PUMP	
P-101	LIQUID/VAPOR SEPARATOR PUMP	
P-103A	AIR STRIPPER TRANSFER PUMP	
P-103B	AIR STRIPPER EFFLUENT PUMP	
P-104	WATER INJECTION PUMP	
P-105	SEPARATOR WATER PUMP	
P-106	AIR STRIPPER FEED PUMP	
P-107	TCE TRANSFER PUMP	
P-108	LIQUID TCE PUMP	
P-111	T-101 CONDENSATE PUMP	
P-112	E-101 CONDENSATE PUMP	
P-113	T-102 CONDENSATE PUMP	
P-141	E-102 CONDENSATE PUMP	
T-100	FEED SURGE TANK	
T-101	LIQUID/VAPOR SEPARATOR 1	
T-102	LIQUID/VAPOR SEPARATOR 2	
T-103A/B	AIR STRIPPER EFFLUENT TANK	
T-104	HOT GROUNDWATER TANK	
T-105A/B	DNAPL SEPARATOR	
T-106	AIR STRIPPER FEED TANK	
T-107	LIQUID TCE STORAGE TANK	
T-108	CONDENSATE SUMP TANK	
Y-903	STEAM GENERATOR	
Z-107	STACK	

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	PROJ ENGR	LEAD ENGR	CONF CTRL/ NUCL SFTY	FAC MGR	E&TS MGR
6	5-22-14	ISSUED FOR AS-BUILT, PHASE 2A	KTW	BAV	DJH	JTP	JBS	JRW	PAC
5	6-26-13	PHASE IIA DESIGN-ISSUED FOR AS-BUILT	KTW	NJB	DJH	JTP	SJD	JRW	PAC
4	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

LPE

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

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME:
C-400 REMEDIATION DESIGN

TITLE:
SOIL VAPOR AND GROUNDWATER TREATMENT SYSTEMS PROCESS FLOW DIAGRAM

EDCS CAD FILENAME	BUILDING	PLANT	CLASS
P7DC40000A001 REV6.DWG	C-400	PDGP	U

DATE:	SCALE:	DRAWING NUMBER	REV
PROFESSIONAL SEAL	N/A	P7DC40000A001	6

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