

DOCKETED

Docket Number:	21-AFC-02
Project Title:	Willow Rock Energy Storage Center
TN #:	265097
Document Title:	Willow Rock Data Request Set 3 Response, Attachment DR54-2
Description:	Resubmission of files previously submitted through Kiteworks
Filer:	Kathryn Stevens
Organization:	WSP USA Inc.
Submitter Role:	Applicant Consultant
Submission Date:	7/29/2025 4:09:37 PM
Docketed Date:	7/29/2025

SS:USERMANESS
SS:USERMANESS
SS:USERMANESS

0063 HV DISCONNECT SWITCH
0064 UTA SWITCH YARD
0065 MOBILE DEMINERALIZED WATER TREATMENT TRAILER
0066 COMPRESSOR/TURBINE ELECTRICAL ENCLOSURE
0067 SECONDARY UNIT SUBSTATION TRANSFORMER
0068 EMERGENCY DIESEL GENERATOR
0069 4.16kV ELECTRICAL ENCLOSURE
0070 UNIT AUXILIARY TRANSFORMER

0071 COMPRESSOR VFD OUTPUT TRANSFORMER
0074 RECLAIMED CONDENSATE COLLECTION TANK
0075 RECLAIMED CONDENSATE COLLECTION
FORWARDING FEED PUMP SKID
0076 POTABLE WATER TANK
0077 POTABLE WATER TEMPERING SKID
0078 LP AIR COMPRESSOR MOTOR COOLER
0079 HP/IP AIR COMPRESSOR MOTOR COOLER

0080 GAS TRANSFER MEMBRANE SKID
0081 DEMINERALIZED WATER TREATMENT
SAMPLE ANALYSIS PANEL
0082 OZONEATOR SKID
0083 PLANT COMMON AREA OIL/WATER SEPARATOR
0087 GENERATOR CIRCUIT BREAKER
0088 ISOPHASE BUS DUCT
0089 ELECTRICAL ENCLOSURE

0090 ACHE PDC AND TRANSFORMERS
0091 NITROGEN DRYER AND FILTERS
0092 AIR SHAFTS
0093 SERVICE/WATER SHAFT

LEGEND:

0001 ADMINISTRATION/CONTROL ROOM BUILDING
0002 WAREHOUSE/MAINTENANCE BUILDING
0003 PIPE RACK
0004 PARKING AREA
0005 SEPTIC TANK
0006 COMPRESSOR ENCLOSURE
0007 LP AIR INTAKE FILTERHOUSE AND SILENCER
0008 LP COMPRESSOR
0010 COMPENSATION RESERVOIR
0011 HP/IP COMPRESSOR
0012 IP COMPRESSOR FILTER/SEPARATOR
0013 HP COMPRESSOR FILTER/SEPARATOR
0014 CRANE AND ENCLOSURE ACCESS
0015 TURBINE ENCLOSURE
0016 EXHAUST STACK
0017 LP THERMAL MANAGEMENT HEAT EXCHANGER
0018 IP THERMAL MANAGEMENT HEAT EXCHANGER
0019 HP THERMAL MANAGEMENT HEAT EXCHANGER
0020 COLD THERMAL FLUID STORAGE TANK
0021 COLD THERMAL FLUID PUMPS
0022 TMS DISCHARGE PHASE CONTROL PUMPS
0023 HOT THERMAL FLUID STORAGE TANKS
0024 THERMAL FLUID AIR COOLED HEAT EXCHANGER
0027 AIR TURBINE
0028 HP AIR TRIM COOLER
0029 CAVERN DISCHARGE HP AIR FILTER/SEPARATOR SKID
0030 AIR SHAFT SWEEP GAS BOOSTER COMPRESSOR SKID
0031 WATER PENSTOCK CHAMPAGNE EFFECT DEAERATOR
0032 PRIMARY CLOSED COOLING WATER HEAD TANK
0033 CLOSED COOLING WATER RESERVE TANK
0034 PRIMARY CLOSED COOLING WATER PUMPS
0035 RESERVED CLOSED COOLING WATER PUMPS
0036 CLOSED COOLING WATER ACH
0037 FIRE WATER PUMPS
0038 FIRE WATER TANK
0039 TURBOMACHINERY FIRE SUPPRESSION WATER MIST SKID
0040 ROAD
0042 NITROGEN GENERATION PACKAGE
0043 NITROGEN RECEIVER VESSEL
0044 AIR COMPRESSORS
0045 WET AIR RECEIVER
0046 AIR DRYER
0047 DRY AIR RECEIVER
0048 LP AIR COMPRESSOR LUBE OIL MODULE
0049 HP/IP AIR COMPRESSOR LUBE OIL MODULE
0050 POWER TRAINS AREA OIL/WATER SEPARATOR
0051 CLEAN DRAINS SUMP AND PUMPS
0052 WASTE DRAINS SUMP AND PUMPS
0053 AIR TURBINE LUBE/HYDRAULIC OIL MODULE
0054 MAIN SWITCHYARD
0055 EVAPORATION POND
0056 STORMWATER POND
0057 COMPRESSOR UNIT TRANSFORMER
0058 GENERATOR STEP-UP TRANSFORMER
0060 AIR TURBINE GENERATOR COOLER
0061 TURBINE GENERATOR
0062 COMPRESSOR VFD INPUT TRANSFORMER

- PRELIMINARY -
NOT FOR CONSTRUCTION

EMISSIONS SOURCE COORDINATES			
ID	DESCRIPTION	LATITUDE	LONGITUDE
A	EDG-01 EXHAUST 1	N34° 54' 40.93"	W118° 09' 12.83"
B	EDG-01 EXHUAUST 2	N34° 54' 40.92"	W118° 09' 12.78"
C	EDG-02 EXHAUST 1	N34° 54' 40.83"	W118° 09' 12.43"
D	EDG-02 EXHAUST 2	N34° 54' 40.82"	W118° 09' 12.38"
E	EDG-03 EXHAUST 1	N34° 54' 40.74"	W118° 09' 12.03"
F	EDG-03 EXHAUST 2	N34° 54' 40.73"	W118° 09' 11.98"
G	DIESEL FIRE PUMP EXHAUST	N34° 54' 46.86"	W118° 09' 13.18"

0	ISSUED FOR AFC	T. BIGGERSTAFF	S. GAWER	01-11-24
REV	DESIGN BY	CHECKED BY	DATE	

HYDROSTOR
WILLOW ROCK ENERGY STORAGE CENTER

HYDROSTOR

Kiewit

PLOT PLAN
OPERATIONS PHASE - WITHOUT BERM

ENGINEER/DESIGN		DRAWING NUMBER
ORIGINATOR	T. BIGGERSTAFF	20045352-PP-004
LEAD ENG	S. GAWER	
ENG MGR	S. GAWER	
PROJ MGR	J. LUNDQUIST	

80 0 80 160
SCALE IN FEET
SCALE: 1" = 80'-0"