WHERE THE ROGUE RIVER RUNS

GRANTS PASS

OREGON

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Water Treatment Plant Facility Plan Update

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City of Grants Pass

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WATER TREATMENT PLANT FACILITY PLAN UPDATE

FOR

CITY OF GRANT PASS

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ACRONYMS AND ABBREVIATIONS

The following is a list of definitions of acronyms and abbreviations.

°C	degrees Celsius
°F	degrees Fahrenheit
ACH	aluminum chlorohydrate
ADA	Americans with Disabilities Act
ADD	average day demand
$Al_2(SO_4)$	aluminum sulfate or alum
AWWA	American Water Works Association
BF	ballasted flocculation
$CaCO_3$	calcium carbonate
$Ca(OH)_2$	calcium hydroxide
$Ca(S_2O_3)$	calcium thiosulfate
CFE	combined filter effluent
CFR	Code of Federal Regulations
CIP	capital improvement program
City	City of Grants Pass
Cl_2	free chlorine
CMU	concrete masonry unit
CO_2	carbon dioxide
Cr+6	hexavalent chromium
CT	disinfectant concentration multiplied by the contact time
D/DBP	Disinfectants and Disinfection Byproducts
DBP	disinfection by-products
E. coli	*Escherichia coli*
EDC	endocrine disruptor
EPA	Environmental Protection Agency (United States)
ESWTR	Enhanced Surface Water Treatment Rule
FBRR	Filter Backwash Recycling Rule
fps	feet per second
FRP	fiberglass reinforced plastic
ft	foot or feet
FTE	full-time employee
FTW	filter-to-waste
FWP	finished water pipeline
FWPS	finished water pump station
g/L	grams per liter
GAC	granular activated carbon
gal	gallon or gallons
gal/sf	gallons per square foot
GIS	geographic information system
gph	gallons per hour

gpm	gallons per minute
gpm/sf	gallons per minute per square foot
HAA5	haloacetic acids – D/DBP rule
HDPE	high-density polyethylene
HGL	hydraulic grade line
HI	Hydraulic Institute
HSPS	high service pump station
HP	horsepower
HRT	hydraulic retention time
HVAC	heating, ventilation, and air conditioning
in.	inch or inches
IOC	inorganic compound
k	thousands
$KMnO_4$	potassium permanganate
kW	kilowatt
lb/sf/day	pounds per square foot per day
LCR	Lead and Copper Rule
LOX	liquid oxygen
LRAA	Locational Running Annual Average
LT2	Long-Term 2
LT2ESWTR	Long-Term 2 Enhanced Surface Water Treatment Rule
M	million
mA	milliampere
MCL	maximum contaminant level
MDD	maximum day demand or peak day demand
MG	million gallon
mg/L	milligrams per liter
mgd	million gallons per day
MIB	2-Methylisoborneol
min	minute or minutes
mL	milliliter
mm	millimeter or millimeters
MRDL	maximum residual disinfectant level
MSA	Murray, Smith and Associates, Inc.
MWH	MWH Americas, Inc.
N	nitrogen
Na_2CO_3	soda ash
NaOCl	sodium hypochlorite
NaOH	sodium hydroxide
NPDES	National Pollutant Discharge Elimination System
NTU	Nephelometric Turbidity Units
O_3	ozone
OAR	Oregon Administrative Rules
OCl	hypochlorite
OHA	Oregon Health Authority

OSHA	Occupational Safety and Health Administration
PAC	powdered activated carbon
PACl	polyaluminum chloride
pCi/L	picocuries per liter
PCP	personal care product
pH	measure of the acidic or basicity of an aqueous solution
phAC	pharmaceuticals
ppb	parts per billion
ppd	pounds per day
ppm	parts per million
ppt	parts per trillion
psi	pounds per square inch
psig	pounds per square inch gauge
PVC	polyvinyl chloride
RAA	Running Annual Average
RO	reverse osmosis
ROW	right-of-way
rpm	revolutions per minute
RWP	raw water pipeline
SCADA	Supervisory Control and Data Acquisition
SOC	synthetic organic compound
ST1DBPR	Stage 1 Disinfectants and Disinfection Byproducts Rule
ST2DBPR	Stage 2 Disinfectants and Disinfection Byproducts Rule
State	State of Oregon
SWTR	Surface Water Treatment Rule
T or T_{10}	"effective" detention time through a section of the plant
TC	total coliform
TCR	Total Coliform Rule
TDH	total dynamic head
THM	trihalomethanes
TOC	total organic carbon
TON	threshold odor number
TSS	total suspended solids
TTHM	total trihalomethanes
UCMR	Unregulated Contaminants Monitoring Rule
UL	Underwriters Laboratories
USGS	United States Geological Survey
UV	ultraviolet
UVA	ultraviolet A
V	volt
VDC	volts direct current
VFD	variable frequency drive
VOC	volatile organic compound
WTPFP	Water Treatment Plant Facility Plan
WTP	water treatment plant

WW	washwater
WWW	waste washwater
yr	year