

Draft Environmental Assessment

**Bull Run Fossil Plant Unit 1
Selective Catalytic Reduction System
For Nitrogen Oxide Control**

Tennessee Valley Authority

January 2002

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Acronyms and Symbols

ACGIH	American Conference of Governmental Industrial Hygienists
ADT	Average Daily Traffic
AIHA	American Industrial Hygiene Association
ANSI	American National Standard Institute
APH	Air Pre-Heaters
AVS	Acid Volatile Sulfides
BMP	Best Management Practice
BRF	Bull Run Fossil Plant
CaO	Calcium Oxide
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CCB	Coal Combustion By-products
CERCLA	Comprehensive Environmental Responsibility, Compensation and Liability Act
CFR	Code of Federal Regulations
CGA	Compressed Gas Association
CMC	Criteria Maximum Concentration
CO ₂	Carbon Dioxide
CWA	Clean Water Act
DO	Dissolved Oxygen
DOE	Department of Energy
EA	Environmental Assessment
EPA	Environmental Protection Agency
ESP	Electrostatic Precipitator
FWV	Free Water Volume
ICBO	International Conference of Building Officials
LOI	Loss on Ignition
MCH	Midwest Coal Handling
MCL	Maximum Contaminant Levels
MSDS	Material Safety Data Sheet
N	Nitrogen
NAAQS	National Ambient Air Quality Standards
NEHRP	National Earthquake Hazard Reduction Program
NEPA	National Environmental Policy Act
NIOSH	National Institute for Occupational Safety and Health
NMSZ	New Madrid Seismic Zone
NNL	National Natural Landmark
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
OSHA	Occupational Safety and Health Administration
OTAG	Ozone Transport Assessment Group
Pb	Lead
PCB	Polychlorinated Biphenyl
PM-10	Particulate Matter—aerodynamic diameter of 10 microns or less
PM-2.5	Particulate Matter—aerodynamic diameter of 2.5 microns or less

Acronyms and Symbols

RCRA	Resource Conservation and Recovery Act
RMP	Risk Management Plan
RQ	Reportable Quantity
SCR	Selective Catalytic Reduction
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SNCR	Selective Non-catalytic Reduction
TDEC	Tennessee Department of Environment and Conservation
TDF	Tire Derived Fuel
TDS	Total Dissolved Solids
TWRA	Tennessee Wildlife Resources Agency
UBC	Uniform Building Code
USACOE	U. S. Army Corps of Engineers
USGS	U. S. Geological Survey
VOC	Volatile Organic Compound
WET	Whole Effluent Toxicity
Zn	Zinc

Units of Measure

°C	degree Celsius
°F	degree Fahrenheit
cfs	cubic feet per second
cms	cubic meters per second
d	day
ha	hectares
hr	hour
Hz	Hertz (frequency in cycles per second)
kg	kilogram
km	kilometer
L	liter
lbm or lb	pound mass
m	meter
m ³	cubic meters
mg/L	milligram per liter
mmBtu	millions of British thermal units
mmsl	meters above mean sea level
mph	miles per hour
MW	megawatt
MWh	megawatt-hour
pH	standard units of acidity
ppb	parts per billion
ppm	parts per million
s	second
yr	year