

Draft Environmental Impact Report
Proposed Wal-Mart Regional Distribution Center



State Clearinghouse Number 2006071029

Prepared for:
City of Merced Planning and Permitting
678 West 18th Street
Merced, CA 95340

Prepared by:
EDAW
2022 J Street
Sacramento, CA 95811

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Attn: Kim Espinosa
Planning Manager
(209) 385-6858

Prepared by:

EDAW
2022 J Street
Sacramento, CA 95811

Contact:

Randy Chafin, AICP
Principal
916/414-5800

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ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
ADA	Americans with Disabilities Act
AEP)	annual exceedance probability
afy	acre-feet per year
ANSI	American National Standards Institute
APCO	Air Pollution Control Officer
APNs	Assessor's Parcel Numbers
ARB	California Air Resources Board
Basin Plans	State or Regional Water Quality Control Boards adopt water quality control plans
BMP)	best management practices
BP	Before Present
CAC	Citizens' Advisory Committee for Regional Transportation Planning
Cal/OES	California Office of Emergency Services
Cal/OSHA	California Occupational Safety and Health Administration
CalEPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CBC	California Building Standards Code
CCAR	California Climate Action Registry
CCAT	California Climate Action Team
CCR	California Code of Regulations
CDF	California Department of Forestry and Fire Protection
CDMG	California Division of Mines and Geology
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CH ₄	methane
CHABA	Committee of Hearing, Bio Acoustics, and Bio Mechanics
CHP	California Highway Patrol
City	City of Merced
City General Plan	City of Merced General Plan
CIWMA	California Integrated Waste Management Act
CIWMB	California Integrated Waste Management Board
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	CO ₂ equivalent
CNEL	Community Noise Equivalent Level
County	Merced County
County General Plan	Merced County General Plan
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibels
dBA	A-weighted dB
dBA/DD	A-weighted dB per doubling of distance

DDT	dichlorodiphenyltrichloroethane
DEIR	Draft Environmental Impact Report
DFG	California Department of Fish and Game
DOC	California Department of Conservation
DOT	U.S. Department of Transportation
DTSC	California Department of Toxic Substance Control
DWR	California Department of Water Resources
EB	Eastbound
EMFs	Electric and magnetic fields
ENGEO	ENGEO, Inc.
EPA	U.S. Environmental Protection Agency
ESA	federal Endangered Species Act
ESA	environmental site assessment
FAR	floor area ratio
FEIR	Final EIR
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Maps
FPMP	Fire Protection Master Plan
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GAMAQI	Guide for Assessing and Mitigation Air Quality Impact
GE	General Electric Company
GPA	General Plan Amendment
gpd	gallons per day
gpm	gallons per minute
GVW	gross vehicle weight
GWP	global warming potential
HAPs	hazardous air pollutants
HCM	<i>Highway Capacity Manual</i>
HCS	Highway Capacity Software
HI	Hazard Index
HRAs	health risk assessments
Hz	Hertz
I-5	Interstate 5
in/sec	inches per second
IND	Industrial
ITE	Institute of Transportation Engineers
IWMP	Integrated Waste Management Plan
kV	kilovolt
kWh	kilowatt-hours
L _{dn}	Day-Night Noise Level
L _{eq}	Equivalent Noise Level
LESA	California Land Evaluation and Site Assessment
L _{max}	Maximum Noise Level
L _{min}	Minimum Noise Level
LOS	level of service
L _x	Statistical Descriptor
MBTA	Migratory Bird Treaty Act
MCAG	Merced County Association of Governments
MCDEH	Merced County Division of Environmental Health
MEI	Maximally Exposed Individual
MEIW	Maximum Exposed Individual Worker

mgd	million gallons per day
MHz	megahertz
MID	Merced Irrigation District
MLD	Most Likely Descendent
MOE	Measures of Effectiveness
mph	miles per hour
MRZ	Mineral Resource Zone
msl	mean sea level
MSWG	Merced Storm Water Group
MWMA	Merced Wildlife Management Area
NAHC	Native American Heritage Commission
NB	Northbound
NEHRP	National Earthquake Hazards Reduction Program
NEHRPA	National Earthquake Hazards Reduction Program Act
NESHAP	national emissions standards for HAPs
NO	nitric oxide
NO ₂	nitrogen dioxide
NOP	Notice of Preparation
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
OSHA	Occupational Safety and Health Administration
PCE's	passenger-car-equivalents
PG&E	Pacific Gas and Electric Company
PM ₁₀	respirable particulate matter with an aerodynamic diameter of 10 micrometers or less
PM _{2.5}	respirable particulate matter with an aerodynamic diameter of 2.5 micrometers or less
Porter-Cologne	Porter-Cologne Water Quality Control Act
ppb	parts per billion
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
psi	per square inch
PUC	California Public Utilities Commission
RCRA	Resource Conservation and Recovery Act
RECs	recognized environmental concerns
RMS	root mean squared
ROG	reactive organic gases
RWQCB	Regional Water Quality control Board
SARA	Superfund Amendments and Reauthorization Act
SB	Southbound
SDMP	Storm Drain Master Plan
SENL	Single Event [Impulsive] Noise Level
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SMARA	California Surface Mining and Reclamation Act
SO ₂	sulfur dioxide
SPCC	federal Spill Prevention Control and Countermeasure
SR	State Route
SRA	State Responsibility Area
STAA	Surface Transportation Assistance Act
SUDP	Specific Urban Development Plan
SVP	Society of Vertebrate Paleontology

SWMP	Storm Water Management Program
SWPPP	Storm Water Pollution Protection Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TCA	trichloroethane
TDS	Total dissolved solids
The BUS	Transit Joint Powers Authority of Merced County
TPAs	Transportation Planning Agencies
TPC	MCAG Technical Planning Committee for Regional Transportation Planning
TPY	tons per year
TRB	MCAG Technical Review Board
UBC	Uniform Building Code
UCMP	University of California Museum of Paleontology
UFC	California Uniform Fire Code
USACE	U.S. Army Corps of Engineers
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USTs	underground storage tanks
VdB	velocity decibels
VDE	visible dust emissions
VMT	vehicle miles travel
WB	Westbound
WDR	Waste Discharge Requirement Permits
WSA	water supply assessments”
WWTP	Wastewater Treatment Plant
µin/sec	1 microinch per second