



ENVIRONMENTAL

UDOT Environmental Services

Environmental Process Manual of Instruction

Revised December 2017

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Acronyms

AASHTO	American Association of State Highway and Transportation Officials
ACHP	Advisory Council on Historic Preservation
ADA	Americans with Disabilities Act
AGRC	Automated Geographic Reference Center
APA	Agriculture Protection Areas
ANSI	American National Standards Institute
APA	Agriculture Protection Area
APE	Area of Potential Effect
AST	aboveground storage tank
BA	biological assessment
BFE	base flood elevation
BLM	Bureau of Land Management
BO	biological opinion
CAA	Clean Air Act of 1970
CAAA	Clean Air Act Amendments
CE	categorical exclusion
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFC	chlorofluorocarbon
CFR	Code of Federal Regulations
CH₄	methane
CLG	certified local government
CLOMR	Conditional Letter of Map Revision
CMZ	channel migration zones
CO	carbon monoxide
dB	decibels
DEIS	draft environmental impact statement
DERR	Utah Division of Environmental Response and Remediation
DOE	Determination of Eligibility
DOEFOE	determination of eligibility and finding of effect
DOT	Department of Transportation
EA	environmental assessment
EC	eligible
EIS	environmental impact statement
EJ	environmental justice
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ES	eligible/significant
FAA	Federal Aviation Administration
FAST	Fixing America's Surface Transportation Act
FEIS	final environmental impact statement

FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
FIRM	flood insurance rate map
FOE	Findings of Effect
FOIA	Freedom of Information Act
FONSI	finding of no significant impact
FPPA	Farmland Protection Policy Act of 1981
FTA	Federal Transit Administration
FTTS	Federal Insecticide, Fungicide, and Rodenticide Act/Toxic Substances Control Act Tracking System
GLO	General Land Office
GPS	global positioning system
GRAMA	Utah Government Records Access and Management Act
HAP	hazardous air pollutant
HCFC	hydrochlorofluorocarbon
HCP	Habitat Conservation Plan
HOV	high-occupancy vehicle
ILS	intensive-level survey
ISTEA	Intermodal Surface Transportation Efficiency Act
LOP	Letter of Permission
LOS	level of service
L RTP	Long-Range Transportation Plans
LUST	leaking underground storage tank
LWCFA	Land and Water Conservation Fund Act
MAP-21	Moving Ahead for Progress for the 21st Century Act
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOVES	Motor Vehicle Emission Simulator
MPO	metropolitan planning organization
MSAT	mobile-source air toxic compound
N₂O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAGPRA	Native American Graves Protection and Repatriation Act
NC	not eligible
NCHRP	National Cooperative Highway Research Program
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NGO	non-governmental organization
NHPA	National Historic Preservation Act
NO₂	nitrogen dioxide
NOA	Notice of Availability
NOI	Notice of Intent

NOx	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	National Resources Conservation Service
NRHP	National Register for Historic Places
NWP	nationwide permit
O₃	ozone
OP	out-of-period
PA	programmatic agreements
PBO	Programmatic Biological Opinion
PCN	Pre-Construction Notification
PEL	Planning and Environmental Linkage tool
PIM	Public Involvement Manger
PIN	project identification number
PM	particulate matter
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act of 1976
RCRIS-TSDF	Resource Conservation and Recovery Information System - Treatment, Storage or Disposal Facilities
RDCC	Resource Development Coordinating Committee
RLS	reconnaissance-level survey
ROD	record of decision
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SARA	Superfund Amendment and Reauthorization Act of 1986
SES	state environmental study
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SITLA	School and Institutional Trust Land Administration
SO₂	sulfur dioxide
SOL	statute of limitations
STIP	State Transportation Improvement Plan
SWPPP	Stormwater Pollution Prevention Plan
T&E	threatened and endangered
TAZ	traffic analysis zone
TDS	total dissolved solids
TEA-21	Transportation Equity Act for the 21st Century
Technical Advisory	1987 FWHA Guidance for Preparing and Processing Environmental and 4(f) Documents
TMDL	Total Maximum Daily Load
TNM	traffic noise model
TRI	Toxics Release Inventory
TSM	Transportation System Management
UCA	State Law Utah Code Annotated

UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
UDSH	Utah Division of State History
UDWR	Utah Division of Wildlife Resources
UGS	Utah Geological Survey
UPAC	Utah Professional Archaeological Council
UPDES	Utah Pollutant Discharge Elimination System
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA	U.S. Department of Agriculture
USDOJ	U.S. Department of Interior
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
UTA	Utah Transit Authority
VHT	vehicle-hours traveled
VMT	vehicle-miles traveled
VOC	volatile organic compound

Revision Summary

Version Number	Date	Section	Major Revisions
2017.1	January 2017	All	327 NEPA Assignment incorporated throughout document
2017.2	March 2017	3.2 3.5 3.11 4.5 4.7 5.3(L) 5.3(O) 5.3(P-Q)	Documented Categorical Exclusion approvals Scoping Environmental Review Checklist Dispute Resolution Management of NEPA Public Comments Online Interactive Tools Noise policy Section 4(f) process Natural Resources Survey Fieldwork Authorization Request
2017.3	August 2017	3.2(B) 3.3(C) 3.4(A) 3.5 3.5(B) 3.5(D) 3.9(A) 3.9(B) 4.5(A) 4.6(B) 5.3(O)	Added Project Certification statement to Documented CE Documented Categorical Exclusion Class of Action Letter Added Project Certification statement to FONSI Delete EIS Project Number Revised Notice of Availability Process Added Project Certification statement to ROD Project File Requirements FHWA and UDOT Environmental Correspondence Retention Categorical exclusion public hearing comment period Incorporate comments and responses into CEs and SESs FHWA Constructive Use Determination Timeline
2017.4	December 2017	3.7(A) 3.8(D) 5.3(K)	Signatory authority of EIS Re-Evaluations Signatory authority of SES Re-Evaluations Revised project-level conformity determinations

Introduction

The UDOT Environmental Process Manual of Instruction provides guidance for the preparation of environmental analysis and documentation for federally-funded and state-funded transportation projects. Projects that are funded in whole or in part with federal funds or have major federal actions must follow the requirements of the National Environmental Policy Act of 1969 (NEPA), as well as related federal and state environmental regulations. This manual has been prepared as a guidance document for use in understanding and applying UDOT's environmental process and is supplemental to applicable laws, regulations, and agency-issued guidance. It is important to check with UDOT Environmental Services for the most recent policies and procedures.

Organization of the Manual

Chapter 1, Environmental Regulations Overview, provides background information on the federal laws and regulations that the Department must follow for transportation projects and gives an overview of the environmental evaluation process. The chapter also discusses the early steps in identifying and developing a project before an environmental study is initiated.

Chapter 2, Roles and Responsibilities, describes the roles and responsibilities of Region and Central environmental staff who conduct and participate in environmental reviews for projects.

Chapter 3, Environmental Documentation, provides general guidance for the preparation of CEs, EAs, Findings of No Significant Impact (FONSI), Draft EISs, Final EISs, Records of Decision (ROD), and State Environmental Studies (SES). For each type of document, the chapter presents a brief overview of the applicability of the class of action, the required and suggested content and format of the documentation.

Chapter 4, Public and Agency Involvement, describes effective means of public and agency involvement for UDOT projects as required by federal and state laws.

Chapter 5, Project Impact Analyses, defines the types of impacts (direct, indirect, and cumulative) that could result from a project and discusses the individual technical studies and analyses that are required for the environmental documentation.

Chapter 6, Environmental Permits, describes the types of permits that might be required for a UDOT project.

Chapter 7, Mitigation Commitments and Coordination, provides guidance as mitigation commitments are developed, communicated and tracked from the environmental study phase to the construction and maintenance phases.