



FEDERAL EMERGENCY MANAGEMENT AGENCY ENVIRONMENTAL CONSIDERATIONS GREENSHEET FEMA 4277-DR-LA



Environmental and Historic Preservation and Disaster Recovery

This "Greensheet" provides you with guidance on the agency's environmental and historic preservation review process. If you are seeking funding for disaster recovery from FEMA, please read this carefully.

As is the case with all-federal funding, certain requirements related to the environment and historic preservation must be fulfilled. This brochure provide information to help you better understand the factors that must be considered as you begin to apply for FEMA funding. The information and assistance described here will help avoid any undue environmental and historic preservation roadblocks or funding delays.

The most important message that we can convey is that we are available to help you with environmental requirements throughout the application procedure.

Please identify any potential environmental or historic preservation concerns and discuss with our staff as soon as possible. This will help us address any issues and expedite funding.

As the Region 6 Environmental Officer, I pledge to assist you in understanding and complying with all federal and state environmental requirements.

The FEMA environmental staff is available to answer your questions and to direct you to other resources needed to ensure that all environmental considerations are explored for FEMA funded projects.

We look forward to working with you.
Sincerely,

Kevin Jaynes
Regional Environmental Officer
FEMA Region 6
Kevin.Jaynes@fema.dhs.gov

Environmental Laws and Project Requirements

The National Environmental Policy Act (NEPA) directs federal agencies to consider the environmental effects of actions they are funding. There are numerous environmental and historic preservation laws that may come into play when repairing disaster-damaged infrastructure. This brochure is not inclusive of all possible applicable laws, but those routinely encountered in disaster recovery.

Some projects will require consultation with appropriate State, Federal, and/or Tribal regulatory entities prior to approval of funding and initiation of construction.

Failure to comply with applicable Federal, State, and local environmental laws could jeopardize or delay potential funding.

Some of the Federal Laws that may affect FEMA funding

- National Environmental Policy Act (NEPA)
- National Historic Preservation Act (NHPA)
- Clean Water Act (CWA) Section 404
- Endangered Species Act (ESA)
- Clean Air Act (CAA)
- EO 11988 Floodplain Management
- EO 11990 Wetlands Protection
- EO 12898 Environmental Justice



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Some projects may proceed without detailed environmental review

- Emergency protective measures to immediately protect lives and property
- Debris removal from improved property and disposal to appropriate permitted landfill

Some projects that require a review and consultation

- Debris disposal (to a site other than a licensed landfill)
- Where the footprint is different than pre-disaster conditions
- Involving hazard mitigation
- Involving threatened or endangered species, wetlands, or floodplains
- Improved or alternate projects
- Other projects where the scope of work has changed
- Building/structure demolition

Waterways, Including Culverts and Bridges

The Clean Water Act (CWA) Section 404 and Section 10 of the Rivers and Harbors Act of 1899 may apply to actions proposed in or adjacent to waters of the US, including wetlands. This includes any part of the surface water tributary system (natural waters including small streams, lakes and wetlands) as well as isolated man-made waters.

The US Army Corps of Engineers (USACE) administers both laws. For any project involving work in a waterway (proposed or completed), the applicant must notify the USACE.

Repair to previously authorized serviceable structures deviating from their original dimensions in any way (i.e. size, length, depth, profile, type, etc.), may also require a new or modified permit from the USACE. Contact information for the USACE is on page 5.

Obtaining permits prior to construction is the responsibility of the project applicant.

- The following activities in waters of the US often trigger the need for permits:
- Construction and/or Demolition
- Dredging and filling
- In-stream debris removal
- Bridge, culvert and levee repair or replacement
- Stream bank repairs or stabilization, including retaining walls
- Utility replacement



Floodplains

FEMA reviews all projects that take place in the floodplain as required by Executive Order 11988. The objective is to make the project or facility more resilient and less likely to be damaged in the next flood event. This could require the “8-step” process, which considers and evaluates alternatives and includes public review. Project approvals and permits are often needed from the local floodplain administrator.

Updated Preliminary Digital Flood Insurance Rate Maps (DFIRMS) have been provided to Louisiana coastal parishes. They provide an accurate picture of coastal Louisiana flood risks and used as the best available data for FEMA Public Assistance (PA) grant reviews where available. For more information on the status of floodplain maps in Louisiana, please visit the [Louisiana State University Agriculture Center](#).



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Wetlands

Similar to floodplains, an “8-Step” process is usually required whenever a proposed project will cause any modification to a wetland.

Project approvals and permits are often needed from the USACE. See page 5 for contact information.

Debris should never be stored in a wetland, even temporarily. Debris removal and work involving wetlands should be coordinated with the USACE and the US Fish and Wildlife Service (USFWS).

Threatened and Endangered Species

Under Section 7 of the Endangered Species Act, FEMA must consult with the US Fish and Wildlife Service (USFWS) when FEMA-funded projects have the potential to affect a threatened or endangered species or the habitat of a protected species. Projects that have potential to impact threatened or endangered species must be coordinated with USFWS and impacts avoided. If your project occurs within a natural area or a streambed, the potential to adversely affect threatened or endangered species greatly increases. Be sure to alert your FEMA project specialist of projects in close proximity to these areas. The consultation must be done before work on a project has begun. See page 5 for contact information.



For a full listing of current threatened and endangered species in Louisiana, visit the [USFWS website](#).

Historic Preservation and Tribal Relations

FEMA is required by Section 106 of the National Historic Preservation Act to take into account the impacts of its activities (including demolition, repair and reconstruction) on historic properties before work begins. Any building or structure 45 years or older may be eligible for the National Register of Historic Places. Work involving these structures must be reviewed by FEMA in conjunction with the State Historic Preservation Office (SHPO), and/or interested Tribal stakeholders.



Archaeological resources also require special attention. Any proposed project which has the potential to impact archeological sites (e.g. relocating a utility, road realignment, a material borrow area for construction, or preparation of debris staging, stockpiling or burning sites); must be reviewed by FEMA in conjunction with SHPO and/or interested Tribal stakeholders for archaeological concerns prior to work.

Ground disturbing activities, including “return to pre-disaster” within a Right of Way (ROW), can still have the potential to affect archaeological resources.

Land that has been plowed or used for agriculture is not considered previously disturbed and must be evaluated. It is important to involve the FEMA Environmental & Historic Preservation Team early in the process if historic properties are involved.

Debris Disposal and Hazardous Materials

For debris disposal, staging, processing and burning activities within the State of Louisiana, once a federal declaration is issued, both the Louisiana Department of Environmental Quality (LDEQ) and SHPO must approve the temporary and/or permanent storage of debris outside of a certified or properly licensed landfill.

Applicants are required to complete the Emergency Debris Site Request Form and SHPO Site Request Form; and submit the forms to LDEQ.



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No contact, approval, or permits are needed to take any debris to a certified landfill, however the landfill location and permit number should be included in the PA project worksheet.

Debris burning is governed by the LDEQ. A copy of the approved LDEQ forms must be submitted to the PA Project Specialist to be included in the project worksheet.

If sandbagging has been used, it should be determined if the bags have become contaminated. If so, they must be disposed of in a licensed landfill. Asbestos accreditation and disposal approvals may be needed for building demolition. For these situation, an applicant should contact the LDEQ.

Other Considerations

- Hazard mitigation projects reduce the threat of future damages. Retrofitting for wind damage or elevating for flood protection are examples. All hazard mitigation projects will be subject to a thorough review by FEMA as they usually involve ground disturbance or alter a project's footprint.
- Projects involving any ground disturbance outside previously disturbed footprint, even if within the right-of-way (including facility realignment, borrow areas, utility burial, utility pole replacement, access roads, etc.) may require archaeological review prior to construction.
- Environmental Justice Executive Order 12898 was created to minimize negative health or environmental impacts on minority and low-income populations. All projects are examined to avoid these impacts. FEMA will not exclude any persons and populations from participating in benefits because of race, color, or national origin.



FEMA

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CONTACTS

Joint Field Office

Environmental and Historic Preservation (EHP)

Linda Ryder
Cell: 225-329-5482
linda.ryder@fema.dhs.gov
415 North 15th St.
Baton Rouge, LA 70802

Louisiana Governor's Office of Homeland Security & Emergency Preparedness (GOHSEP)

7667 Independence Blvd. Baton Rouge, LA 70806
Main: 225-925-7500
Fax: 225-925-7501

Technical Services—EHP Concerns
Ellen Ibert

Office: 225-334-7748
Cell: 337-208-7602
ellen.ibert@la.gov
1500 Main Street
Baton Rouge, LA 70802

Debris Burning, Staging, Processing or Disposal

Louisiana Department of Environmental Quality (LDEQ)
Office: 866-896-5337

Asbestos
Chris Mayeaux
Office: 225-219-0789
Chris.mayeaux@la.gov

Solid Waste
Dutch Donlon
Office: 225-219-3386
Dutch.Donlon@la.gov

Mia Townsel
Office: 225-219-1665
Mia.townsel@la.gov

Hazardous Waste
Tom Harris
Office: 225-219-304
Tom.harris@la.gov

Ground Disturbance and Archaeological Sites

Louisiana State Historic Preservation Office

Charles "Chip" McGimsey
Office: 225-454-9274
Fax: 225-342-4480
cmcgimsey@crt.la.gov

Historic Structures

Mike Varnado
Office: 225-219-4596
mvarnado@crt.la.gov

Threatened & Endangered Species and Wetlands

United States Fish and Wildlife Service

Amy Trahan
Office: 337-291-3126
Fax: 337-291-3139
Amy.trahan@fws.gov

Louisiana Department of Wildlife & Fisheries

Carolyn Michon
Office: 225-765-2357
Fax: 225-765-2452
cmichon@wlf.la.gov

Coastal Zone Management Act (CZMA)

Louisiana Department of Natural Resources

Jay Pecot
Office: 225-342-0884
Fax: 225-242-9439
Jay.Pecot@la.gov

Waterways, Wetlands & Floodplain

U.S. Army Corps of Engineers

New Orleans District
Martin Mayer
Office: 504-862-2225
Fax: 504-862-2289
Martin.s.mayer@usace.army.mil

Robert Heffner
Office: 504-862-1288
Fax: 504-862-2289
Robert.a.heffner@usace.army.mil

Vicksburg District
Jennifer Mallard
Office: 601-631-5853
Fax: 601-631-5459
Jennifer.a.mallard@usace.army.mil

Charles Allred
Office: 601-631-5546
Fax: 601-631-5459
charles.d.allred@usace.army.mil

Louisiana Natural & Scenic Rivers

Louisiana Department of Wildlife & Fisheries
Chris Davis
Office: 225-765-2642
rcdavis@wf.la.gov

Department of Environmental Quality
 Office of Environmental Services
 Waste Permits Division
 P.O. Box 4313
 Baton Rouge, LA 70821-4313
 (225) 219-3181

LOUISIANA

Emergency Debris Site (EDS) Request Form



Your request **cannot** be approved unless **all** of the requested information on this form is **supplied** and **accurate**. Email form to degdebrisrequest@la.gov or fax to 225-325-8236. Email questions to degdebrisrequest@la.gov or call 225-364-7901.

TYPE OR PRINT

A. Applicant Name (Governmental Agencies only)

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B. Government Type <input type="checkbox"/> Parish <input type="checkbox"/> Municipality <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Other, specify _____	C. Agency Interest (AI) Number
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D. Responsible Official (Government Official who will be responsible for site) Title	
Mailing Address	City Zip
Phone Number:	Email Address:

E. Debris Site Contact (will receive all mail correspondence, must be government employee) Title	
Mailing Address	City Zip
Phone Number:	Email Address:

F. Physical Location (identify by street number, by intersection of roads, or by mileage and direction from an intersection.)
 Is a site map attached (REQUIRED)? YES Request will NOT be processed without one. Scale should be ~1 in. = 1000 ft.
 Address: _____ City/Zip Code: _____ Parish: _____

Note: The city name must be for the closest city in the same parish as the requested site. If the site does not have a 911 address, detailed directions must be provided from the nearest town/city and indicate specific street, road, highway, interstate, and/or location names. Indicate any landmarks and/or mile markers, if necessary. Request will NOT be processed without this information.

G. Site entrance GPS (required) provide in decimal degrees LAT: _____ LONG: _____
GPS of where activities will occur on property (required) LAT: _____ LONG: _____

H. Hours of Operation Hours _____ AM to _____ PM	Days <input type="checkbox"/> M-F or <input type="checkbox"/> 7 DAYS/WK or <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su	Burning will only be allowed between the hours of 8 AM and 5 PM.
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I. Requested Activities (check all potential activities)			
Staging/ Segregation:	<input type="checkbox"/> C&D debris	<input type="checkbox"/> metals	<input type="checkbox"/> white goods
	<input type="checkbox"/> woodwaste	<input type="checkbox"/> tires	<input type="checkbox"/> electronic waste
			<input type="checkbox"/> vegetative debris
Preparation:	<input type="checkbox"/> white goods	Burning:	<input type="checkbox"/> vegetative debris (open) <input type="checkbox"/> vegetative debris (air curtain destructor)

*** THIS PORTION OF SECTION I CAN ONLY BE COMPLETED AFTER AN EMERGENCY HAS BEEN DECLARED. ***

Other Requested Activities (Include debris types and associated activities)

***Note: Pre-approvals are limited to the debris types and activities listed above. Other debris types and activities will NOT be approved until after an emergency has been declared.** This includes, but is not limited to, staging and/or disposal of household hazardous waste, orphan drums, vessels, vehicles, or animal carcasses. If more activities are needed after an emergency has been declared, a new request must be filled out and submitted for approval. Contact the LDEQ prior to submitting "Other" requests.

J. Site Type	YES	NO
Is the site being requested for use as a pre-approved emergency debris site (to be requested <i>before</i> an emergency, can be reused multiple times)?	<input type="checkbox"/>	<input type="checkbox"/>
Is the site being requested as a temporary emergency debris site (to be requested <i>after</i> an emergency for a single time use)? If yes, list the emergency name or FEMA #. _____	<input type="checkbox"/>	<input type="checkbox"/>

K. General Site Questions (The request form cannot be processed without answers to questions 1 – 5.)	YES	NO
1. Was this site approved for use in a prior disaster? If yes, which disaster and when did the disaster occur? _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the requested site activity (ies) a modification of previously approved activities?	<input type="checkbox"/>	<input type="checkbox"/>
3. Have the site <u>and</u> surrounding area conditions changed (e.g., added development) since the last prior use? If yes, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
4. (<i>If requesting burning</i>) Is the site being requested by a municipality? Is the site being requested by a parish for a location in another parish? <ul style="list-style-type: none"> • If the answer to <i>either is yes</i>, is the site within the applicant's jurisdictional limits? • If the site is outside the jurisdictional limits, a parish burn approval <u>must</u> be submitted. The parish burn approval should be for the full time burning is expected (e.g., disaster, pre-approval) and should specifically state the site location requested before a request for burning will be approved by the LDEQ. <input type="checkbox"/> A copy of the parish burn approval is attached. 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5. Does the site have an approval from the State Historic Preservation Office? <ul style="list-style-type: none"> • If yes, attach a copy of the approval. • If no, fill out a new request on page 4. 	<input type="checkbox"/>	<input type="checkbox"/>

L. Siting Criteria (All questions must be answered and explained, as necessary.)	YES	NO
1. Are there nearby residences and/or businesses that will be inconvenienced or adversely affected by use of the site? If yes, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Are there any site safety issues? (e.g., power lines, pipelines) If yes, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
3. Are any erosion and/or rainwater runoff control measures needed? If yes, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
4. Is additional containment necessary for any wastes that have a potential for leaking? (e.g., white goods leaking Freon) If yes, explain. _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Are the roadways and entrance to the site suitable for trucks hauling debris? If no, explain. _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6. Is the site fully accessible to fire personnel and equipment? If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the size of the site sufficient for its intended use? If no, explain. _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the general terrain of the site suitable for the proposed activities? If no, explain. _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is the proposed site located outside of the 100-year floodplain and wetlands? (The floodplain map used shall be an original Flood Insurance Rate Map prepared by FEMA, the Flood Prone Area Map prepared by the US Geological Survey or a National Wetlands Inventory map that depicts the limits and elevations of any 100-year floodplain or wetland on or adjacent to the proposed site.) If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
10. For chipping & grinding, is the proposed site more than 300 feet to residences, businesses, schools, hospitals, clinics, and roads? If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
11. For burning, is the proposed site more than 1,000 feet to residences, businesses, schools, hospitals, clinics, and roads? If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
12. Is the proposed site more than 100 feet to property boundaries and on-site structures? If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
13. Is the proposed site more than 250 feet to potable water wells? If no, explain. _____	<input type="checkbox"/>	<input type="checkbox"/>
14. Is the proposed site more than 100 feet to nearby surface waters? If no, provide the name of the nearest surface water, if it is named. _____	<input type="checkbox"/>	<input type="checkbox"/>
15. Is the proposed site more than 10,000 feet to the nearest airport? If no, provide the name of the airport. _____	<input type="checkbox"/>	<input type="checkbox"/>

M. <u>Site Operator</u>	Company Name:	Site Contact Person:
	Telephone Number:	Email Address:

N. <u>Site Owner</u>	Name:	Address:
	Telephone Number:	Email Address:

O. Certification of Responsible Official

I certify that I have personally examined and that I am familiar with the information submitted in this request. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

I certify that the site as described in this request meets the applicable requirements and will comply with the following: 1) the Comprehensive Plan for Disaster Clean-up and Debris Management; 2) the effective Declarations of Emergency and Administrative Order; and 3) the subsequent Authorization for the Emergency Debris Site.

I understand that I am responsible for notifying First Responders (911 Center, Fire & Rescue, Law Enforcement, and EMS) of the site entrance location and activities at this site.

SIGNATURE (Responsible Official)

PRINT

DATE

LSHPO Site Request Form

If this is a **new request** or there is **no approval** from the State Historic Preservation Office (SHPO) for the request site, fill out the form below and return it to LDEQ with the EDS form. LDEQ will submit the form to SHPO. Once approved SHPO, will return the approved form to the applicant.

Requirements for Debris Activities Involving Ground Disturbance

Requesting Registration as a (check all that apply):

Staging Site Chipping & Grinding Site Composting Site Burn Site Disposal Site

If the creation or use of this **emergency** staging, chipping & grinding, composting, burning, and/or disposal site will include ground disturbance, including the creation of temporary access roads, burying of debris or burn residual, or will impact structures over 45 years old, the applicant must coordinate with, and receive comments from, the Louisiana Office of Cultural Development, State Historic Preservation Office (SHPO), prior to the start of any ground disturbance. **Individual certifications are required for each burning, burial, disposal, and/or staging or stockpiling site. Attach a map, in addition to this form, preferably a copy of a USGS 7.5 minute series quadrangle map with the project site location clearly identified.**

Applicant	Name: _____		Address: _____	
	City: _____		Parish: _____	
	Telephone Number: _____		Email Address: _____	
Location of Emergency Site <i>(complete one row)</i>	Township: _____		Range: _____	
	Section: _____		Quarter-section(s): _____	
	Latitude (decimal degree): _____		Longitude (decimal degree): _____	
	UTM Northing: _____		UTM Easting: _____	
Site Owner	Name: _____		Address: _____	
	Telephone Number: _____		Email Address: _____	

Is a **NEW** road needed to access the requested site? Yes No If yes, show road on map and provide the following information:
 Road length and width: _____ and Latitude: _____ and Longitude: _____ or UTM Northing: _____ and Easting: _____

Discovery Clause: In the event that archaeological deposits (soils, features, artifacts, other remnants of human activity) are uncovered in urban or rural areas, or if archaeological deposits are found in tree root balls during removal, the project shall be halted and the applicant shall stop all work immediately in the vicinity of the discovery and take reasonable measures to avoid or minimize harm to the finds. The applicant will inform the Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) immediately at 225-925-7500 and SHPO at 225-342-8170, and will secure all archaeological findings and restrict access to the area. GOHSEP and SHPO will be responsible for notifying the appropriate Native American Tribes if the site is determined to be Native American. Work may not resume until the Applicant is notified by the Division of Archaeology.

In the event that human remains or an unmarked burial site are encountered, under the terms of the Louisiana Unmarked Human Burial Sites Preservation Act (R.S. Statute 8:671), the applicant will immediately stop all work, secure all artifacts and remains, restrict access to the area, and notify GOHSEP, SHPO, and local law enforcement. GOHSEP and SHPO will consult with the appropriate Native American Tribes if the remains are determined to be Native American. No artifacts or human remains will be removed from the site until all parties have consulted to determine the proper course of action. Work may not resume until the Applicant is notified by the Division of Archaeology.

I certify that (Applicant) _____ is an authorized representative for the site and will comply with all the above conditions.

_____ Signature	_____ Print	_____ Date
Contact Information: Louisiana Office of Cultural Development State Historic Preservation Office ATTN: Rachel Watson P.O. Box 44247 Baton Rouge, Louisiana 70804-4242 Telephone: (225) 342-8170 Fax: (225) 342-4480 email: section106@crt.la.gov	Louisiana State Historic Preservation Office Use ONLY I certify that the above referenced site: <input type="checkbox"/> Is not located on any known archeological site or historical property. <input type="checkbox"/> Is located on an archeological site and an alternate area needs to be considered. _____ SHPO Official	
		_____ Date