

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, the New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no adverse significant impacts.

PROJECT TITLE: LCA BUDMAT - Mississippi River Outlets at Venice

<u>PROJECT DESCRIPTION:</u> The proposed project, referred to as Alternative TP-10, consists of a marsh restoration site consisting of approximately 332 acres total of marsh restoration and nourishment (See Figure 3). The site is located west of Tiger Pass Channel Mile 4 and 5, southeast of site TP-5, and along Tante Phine Pass in Plaquemines Parish (See Figure 1).

The site perimeter totals approximately 19,890 linear feet. Existing marsh boundaries would retain the dredged material to reestablish marsh habitat. Pipeline would be laid in Tiger Pass and then placed in one of three canals west of Tiger Pass that leads across open water to the southeastern limits of the site. The northern (upriver) limit of dredging at mile 7.3 to where the pipeline would enter the site is approximately 2.9 nautical miles. Pending geotechnical analysis data, dredged material will be limited to a target settled elevation based on existing elevations and a 5-year settlement period. Dredged material would be transported via a hydraulic cutterhead dredge digging outbound and pumping through dredge pipeline Approximately 2 million cyd would be required to construct this site.

LCA Budmat - Mississippi River Outlets at Venice Study Area



Figure 1: LCA BUDMAT MROV Study Area

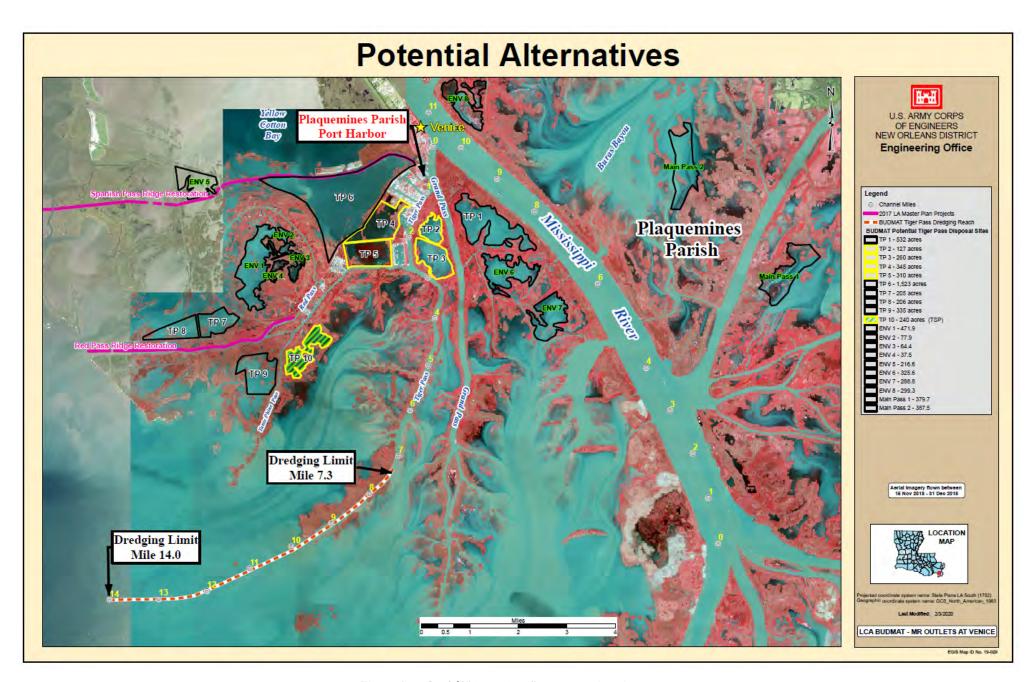


Figure 2: LCA BUDMAT MROV Alternative Sites

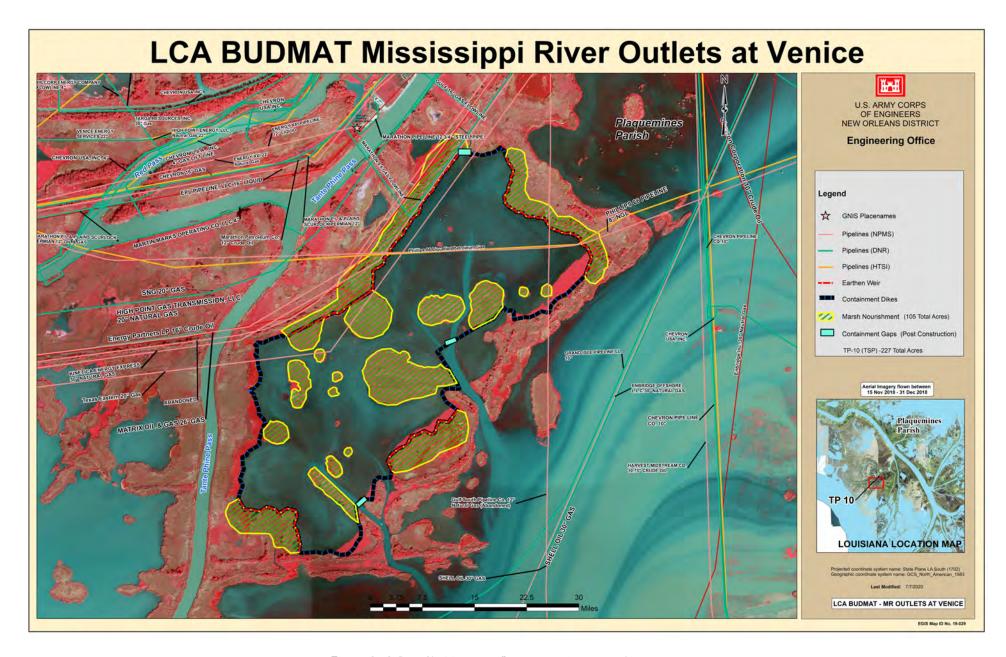


Figure 3: LCA BUDMAT MROV Alternative TP-10 Site

1. Review of Compliance (§230.10 (a)-(d)).

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative);

b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b and check responses from resource and water quality certifying agencies);

- c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2);
- d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5).

Preliminary1

Final²

YES

NO*

YES NO

FOR (1) ONLY

YES

NO*

YES NO

YES NO*

YES NO

YES NO*

YES

NO

2. Technical Evaluation Factors (Subparts C-F). Not Significant Significant* a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C). (1) Substrate impacts. X (2) Suspended particulates/turbidity impacts. X (3) Water column impacts. X (4) Alteration of current patterns and water Х circulation. (5) Alteration of normal water fluctuations/ hydroperiod. (6) Alteration of salinity gradients. X b. Biological Characteristics of the Aquatic Ecosystem (Subpart D). (1) Effect on threatened/endangered species and their X habitat. (2) Effect on the aquatic food web. X (3) Effect on other wildlife (mammals, birds, reptiles, X and amphibians). c. Special Aquatic Sites (Subpart E). (1) Sanctuaries and refuges. X (2) Wetlands. \mathbf{X} (3) Mud flats. X (4) Vegetated shallows. X (5) Coral reefs. \mathbf{X} (6) Riffle and pool complexes. d. Human Use Characteristics (Subpart F). (1) Effects on municipal and private water supplies. Х (2) Recreational and commercial fisheries impacts. X (3) Effects on water-related recreation. Х (4) Esthetic impacts. X (5) Effects on parks, national and historical X monuments, national seashores, wilderness areas, research sites, and similar preserves.

N/A

Remarks. Where a check is placed under the significant category, the preparer has attached explanation.

	tion has been considered in evaluating the biological availability	of possible
contaminants in dredged or t		
	28	X
	on to known or anticipated sources of contaminants	X
	testing of the material or similar material in the	
(4) Known significant so	urces of persistent pesticides from land runoff or	_ X
	ware or persistent pesticides from tand runoff of	X
	leum products or designated (Section 311 of CWA)	-
	······································	X
	of significant introduction of contaminants from	
	es, or other sources	X
	ubstantial material deposits of substances which could	
	quantities to the aquatic environment by man-induced	X
	nanoaloutenanaturinananaturina	
(8) Other sources (specify	<i>(</i>)	
Appropriate references: See	memorandum (Encl 2)	
the proposed dredge or fill n exclusion criteria.	naterial is not a carrier of contaminants, or the material meets the	testing
	YES NO*	testing
exclusion criteria. 4. <u>Disposal Site Delineation</u>	YES NO*	
exclusion criteria. 4. <u>Disposal Site Delineation</u>	YES NO*	
Disposal Site Delineation The following factors,	YES NO*	
4. Disposal Site Delineation a. The following factors, (1) Depth of water at disp	YES NO* I(§230.11(f)). as appropriate, have been considered in evaluating the disposal si	
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5. Actions to Minimize Adverse Effects (Subpart II).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge.

YES NO*

6. Factual Determination (§230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

a,	Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above)	YES	NO*
b.	Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5),	YES	NO*
c.	Suspended particulates/turbidity (review sections 2a, 3, 4, and 5)	YES	NO*
d.	Contaminant availability (review sections 2a, 3, and 4).	YES	NO*
e.	Aquatic ecosystem structure and function (review sections 2b and c, 3, and 5).	YES	NO*
f.	Disposal site (review sections 2, 4, and 5).	YES	NO*
g.	Cumulative impact on the aquatic ecosystem.	YES	NO*
h.	Secondary impacts on the aquatic ecosystem.	YES	NO.ª

^{*}A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

^{&#}x27;Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects <u>may</u> not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

²Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

^{&#}x27;If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7.	Ev	valuation Responsibility.
	a.	This evaluation was prepared by:
		Name: Whitney Hickerson Position: Hydraulic Engineer Organization: U.S. Army Corps of Engineers, New Orleans District Date: 2/19/2020
	b.	This evaluation was reviewed by:
		Name: Eric Glisch Position: Environmental Engineer Organization: U.S. Army Corps of Engineers, New Orleans District Date: 2/27/2020
		Name: Position: Organization: Date:
8.	Fi	indings.
Se		The proposed disposal site for discharge of dredged or fill material complies with the on 404(b)(1) guidelinesX
Se		The proposed disposal site for discharge of dredged or fill material complies with the on 404(b)(1) guidelines with the inclusion of the following conditions
gı		The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) elines for the following reason(s):
	(2	There is a less damaging practicable alternative The proposed discharge will result in significant degradation of the aquatic ecosystem The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem
D	ate	: _7/14/2020 Chief, Environmental Planning and Compliance Branch