

Developing, Managing & Processing Dredged Material Management Plans

Current guidance on preparing Dredged Material Management Plans:

PLANNING GUIDANCE



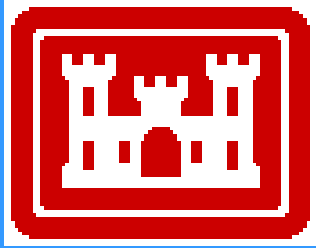
US Army Corps
of Engineers

ER 1105-2-100
22 April 2000

**ER 1105-2-100 dated
22 April 2000**

**Appendix E, pages
E-68 to E-83**

ALL Federally maintained navigation projects must demonstrate that there is sufficient dredged material disposal capacity for a minimum of 20 years.



Corps Policy

- **Sound management of dredged material is a **PRIORITY** mission.**
- **Conduct dredging & manage dredged material in an environmentally sound manner.**
- **Ensure each Navigation project has a dredged material management plan that assures warranted & environmentally acceptable maintenance of a navigation project.**
- **Include potential beneficial uses of dredged material (harmonize).**
- **Achieve dredged material management goals within authority.**

Management Plan Development Process

Existing projects:

Management plans are intended to cost effectively and expeditiously support environmentally acceptable channel and harbor maintenance.

The Process:

- **Establish Base Plan.**
- **Assess potential for beneficial uses of dredged material.**
- **Establish the Management Plan for the project.**
- **Demonstrate that continued maintenance is economically warranted based upon high priority (non-recreation) benefits.**

Management Plan Development Process

Existing projects:

An INITIAL ASSESSMENT should exist for each existing navigation project.

- Prepared by District Operations
- A “one pager”
- Must state: A. COMMERCIAL USE of channel
B. Sufficient dredged material disposal capacity for a 20 year minimum ?
If “NO”, then a PRELIMINARY ASSESSMENT must be prepared.

Management Plan Development Process

Existing projects

2 Phases:

PRELIMINARY ASSESSMENT

Prepared using readily available maintenance and usage information. May establish Base Plan and confirm continued maintenance appears warranted. If YES, completes requirement for management Plan. If NO, then recommend a Management Plan Study.

MANAGEMENT PLAN STUDIES

Establishes Base Plan and if necessary the recommended Plan (if major problems, major new investment or significant increase in maintenance costs). Conducted by Initial & Final phases.

Initial phase : SOW

Final phase: Executes SOW

Management Plan Development Process

Proposed projects:

Feasibility and Pre-construction Engineering & Design (PED) proposed navigation projects shall include a Management Plan.

Study Authority

Preliminary Assessment and Management Plan Studies are conducted under existing authorities (feasibility studies, PED construction, O& M).

If expanding or enlarging existing projects:

- Pursue under specific study authority
- Section 216 Flood Control Act 1970

Management Plan Study Components

Consider full range of Alternatives: extending life of existing sites, combos of new disposal sites with different methods, disposal area locations & periods of use, measures to reduce dredging requirements.

Beneficial uses of dredged material: assess for meeting both navigation and other purposes including fish & wildlife creation/restoration, hurricane & storm damage reduction and recreation.

Beneficial use included in Base Plan is a general navigation O&M component.

Uses which are not in Base Plan are separable elements of the management plan and are pursued under other authorities.

However, they must be pursued in conjunction with Base Plan to assure timely availability of dredged material.

Environmental Consistency

Management Plans shall be consistent with protecting the nation's environment, pursuant to national environmental statutes, applicable executive orders and other Federal Requirements.

Cost Sharing & Financing

Existing Projects

- **Management Plan study costs for continued maintenance of existing Federal navigation projects are O&M costs and Federally funded.**
- **Partners must pay the costs for their participation.**
- **Budgeting priority for *navigation* is limited to Base Plan. Cost of components attributable to local or state laws are non-Federal costs.**
- **Study activities not required for continued maintenance dredging and disposal should not be included unless funded by non-Federal interests.**
- **Project modifications requiring Congressional authorization must be pursued as feasibility studies.**

Cost Sharing & Financing

Existing Projects

Beneficial Uses – if consistent with and part of Base Plan, their costs are Federal O&M costs. Study costs for beneficial uses not part of Base Plan are non-Federal or shared Fed & non-Fed responsibility. Include:

- **Reconnaissance level studies**
- **Ecosystem Restoration**
- **Placement of Materials on beaches**
- **Other beneficial uses (mostly non-Federal cost)**

Cost Sharing & Financing

Proposed Projects

General – Management Plan studies included in feasibility study are cost shared as per the Project Management Plan (PMP). Management Plan studies included in PED are cost shared in accordance with specific PED requirements, as authorized.

Study Cost Allocation –between *existing project & feasibility study*. Costs associated for planning for the *existing project* are funded from O&M at 100% Federal cost. Increments of study costs ABOVE those required for planning for continued maintenance of *existing project* are *feasibility study* costs (I.E. modifications). Though costs are separate, dredged material management studies must be unified. Planning & Operations must coordinate carefully!

Implementation

O&M

Existing Projects -Costs for implementing Management Plans are O&M costs. Dredged material disposal facility costs-Sect. 201 WRDA 1996. Costs to meet restrictive state water quality standards (more than in Base Plan) are non-Federal.

Proposed projects - Costs for implementing Management Plans are O&M costs. Costs to meet restrictive state water quality standards (more than in Base Plan) are non-Federal.

Beneficial Uses

Environmental Improvement & Ecosystem Restoration – Pursuant to Sect 204 of WRDA 1992 or Sect 207 of WRDA 1996, must be cost shared as per ER 1105-2-100, Appendix E, Section E-14g.(1).

Placement of Material on Beaches –Sect. 145 WRDA 1976 & Sect 933 WRDA 1986, the additional cost beyond the base plan for this feature is 50% Federal/50% non-Federal.

Procedures for Existing Projects

Phased Plan Development Process: Preliminary Assessment & Management Plan Studies

Preliminary Assessment - Priority if maintenance required within next TEN years. All PA's must include:

- Economic Assessment.
- Prelim Assessment of potential impediments to continued maintenance.
- Evaluation of consistency of existing environmental compliance documents with ongoing O&M activities.
- Assessment of need for management plan studies.
- Summary of Findings & Recommendations – signed by District Engineer. May request funds to initiate Management Plan Studies.

Procedures for Existing Projects

Management Plan Studies – include sufficient detail to ensure unimpeded maintenance, with respect to dredging for a 20-year horizon.

2 Phases: *Initial* and *Final*.

Initial phase

- Due within 12 months of receipt of funds.
- Produces a scope of work for the *Final Phase* of the study.

Procedures for Existing Projects

Management Plan Studies – Initial Phase

Scoping

- Degree of engineering, environmental & economic risk & uncertainty.
- Related activities including surveys outside of project limits, sources of contamination and non-point sources of pollution only included if non-federally funded.
- Need for project modification requiring Congressional authorization -if so, pursue new feasibility study through budget process.

Procedures for Existing Projects

Management Plan Studies – Initial Phase

Scope of Work prepared for *Final Phase*

- Basis for total study cost, duration and cost-sharing, if any. 36-month limit.
- Addresses work tasks, milestones, schedule, costs, responsibility, non-Fed coordination, regulations/guidance.
- Presents minimum level of technical & scientific detail for *Final Phase*.
- Include tasks (with costs) to support higher level review and approval of report (i.e. responses to comments, report revisions, meeting attendance, etc.).

Procedures for Existing Projects

Management Plan Studies – Final Phase

Management Plan Reports –complete decision documents that present the results of *Initial & Final phases*. Reports provide:

- **COMPLETE** presentation of study results & findings.
- *How* compliance with with applicable statutes, executive orders & policy is achieved.
- **A SOUND & DOCUMENTED** basis for decision makers at all levels to judge Mgmt Plan.
- **District Commander's signature**, with submittal to **Division Commander** for further action.

Management Plan Report Outline

Table E- 14:

Project Description(s) [*include project map(s)*]

Scope of Study [*indicate whether single project or group of projects; relationship to permittee dredging, etc.*]

Authorization and Development History [*include all project authorizations, Section 221 agreements, Project Cooperation Agreements (PCAs), other*

Management Plan Report Outline (cont.)

Projections of future conditions in the absence of a Management Plan

Concise statement of specific problems and opportunities

Alternative plans:

- **Alternative disposal measures to address identified problems and opportunities**
- **Beneficial uses alternatives**
- **Reasons for selecting and combining measures to form alternative plans**

Evaluation of Alternative Plans

Trade-off analysis

Management Plan Report Outline (cont.)

Selection of final plan [discuss rationale for selection, sensitivity analysis, and risks and uncertainties]

Description of selected Management Plan

- **Plan components**
- **Implementation requirements and schedules**
- **Consistency with the Base Plan**

NEPA documentation, as required

Results of coordination with local, state and Federal agencies

Recommendations

Review & Approval

Issue Resolution Conferences (IRCs) should be held with HQ during the course of the study to resolve significant issues.

Division Commanders ensure full technical review of Management Plan reports and may approve them EXCEPT if:

- ❖ Item of work required which qualifies as major maintenance
- ❖ Adjustment to District funding targets is required
- ❖ Additional Congressional authority required

If one or more of these cases applies, Division Commander sends Final Report & NEPA Document to HQUSACE for review & approval. Record of Decision (ROD) to follow.

Project Cooperation Agreement (PCA)

- ✓ Management Plans requiring new capital investments (i.e. new disposal facility) need a PCA.
- ✓ Draft PCA & financing plan – ER 1165-2-131
- ✓ Developed & submitted concurrently with Management Plan Report
- ✓ PCA requirements should be discussed with sponsor
- ✓ NO commitments to sponsor until MGMT Report and draft PCA are approved.
- ✓ After MGMT Report approved, finalize negotiations with sponsor and submit PCA package to HQUSACE for review.

Budgeting & Funding

- **Preliminary Assessments (PA) funded from available O&M funds. Limit of \$20,000.**
- **Requests for funding for Management Plan Studies \$150,000 or less included in O&M funding request (PA must be completed).**
- **Requests for funding for Management Plan Studies costing more than \$150,000 will be considered on a national priority basis.**

Procedures for Proposed Projects

Feasibility Reports recommending new navigation projects or modifications of existing projects shall include plan for management of dredged material for construction & maintenance of new project or modifications, consistent with requirements for Management Plans for Existing Projects. Plan must satisfy ALL Identified dredged material management requirements for project

Any
Questions
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