

CHAPTER VIII
CLEAN WATER ACT (CWA) REQUIREMENTS

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POM-02 ENVIRONMENTAL REQUIREMENTS GUIDEBOOK
CHAPTER VIII: OVERVIEW OF CLEAN WATER ACT (CWA)
REQUIREMENTS

The Federal Water Pollution Control Act Amendments of 1972 (PL 92-500) often referred to as the Clean Water Act (CWA) is the principal law governing pollution in the nation's streams, lakes and estuaries. Congress enacted the most recent major amendments to the CWA in 1987 (P.L. 100-4). Since then the Environmental Protection Agency (EPA), states and others have been working to implement the many program changes and additions mandated in the law. Recently, EPA has begun a number of agency-wide and program-specific reforms focusing on flexibility and "common sense" approaches to regulations. Many of these will affect implementation of water quality programs.

October 1997, marked the 25th Anniversary of the 1972 CWA. The Vice President directed federal agencies to develop a Clean Water Initiative to improve and strengthen the nation's water pollution control efforts. A multi-agency Action Plan was released on 19 February 1998 and identifies nearly 100 actions. A key element in the Action Plan is watershed protection. Most are existing activities, now labeled as part of the initiative and will not require additional legislation. It did not include legislative proposals to reauthorize the CWA. EPA will continue to work towards the implementation of the Clean Water Action Plan throughout this year. (A)

The first session of the 106th Congress convened January 6th, 1999 and Clean Water Act reauthorization, is not currently a high priority for Congress or the White House, according to several sources. EPA officials believe the current Clean Water Act is working well and is not in need of a major overhaul. The EPA has not released a Clean Water Act proposal, and has not stated that it will do so in the near future. While the House of Representatives and the Administration have said they are not interested in Clean Water Act reauthorization this year, the Senate has indicated it may introduce a series of "issue-specific" bills rather than a comprehensive Clean Water Act reauthorization bill. (A)

While no Clean Water Act amendments are currently being circulated on Capitol Hill, the Association of Metropolitan Sewerage Agencies (AMSA) has recently drafted a bill entitled the Urban Wet Weather Watershed Act of 1999. The bill would require EPA to develop regulations establishing an optional unified permitting program that addresses the combined effects of all wet weather flows. (A)

Regulatory Update for POM-02:

No regulatory changes have prompted the changes/additions to this chapter for POM-02, however a few additions/deletions were made to the Guidebook and are summarized below:

EPA has proposed or is preparing to propose effluent guidelines for several categorical industries. The categories that may or impact Naval operations and their schedule for issuance are as follows:

- Centralized Waste Treatment: Proposed 1/95 Final 8/99
- Industrial Laundries: Proposed 12/97 Final 6/99
- Landfills and Incinerators: Proposed 2/98 Final 11/99
- Transportation Equipment Cleaning: Proposed 6/98 Final 6/00
- Metal Products and Machinery: Proposed 10/00 Final 12/00

One additional Guidebook Item has been added ([08060](#)) to cover the various compliance issues associated with all of these proposed effluent guidelines. Guidebook Item 08043 “Upgrade of Centralized Waste Treatment Facilities” was consolidated into this new Guidebook Item and has been deleted. Guidebook Item 08043M “Service and Repair of Centralized Wastetreatment Facilites and Equipment was consolidated into 08021M and has also been deleted. (A) (D)

A new Guidebook Item ([08057](#)) was added to cover the costs associated with the closure of Navy Owned Sewage Treatment plants due to BRAC closure or privatization. (A)

CHAPTER VIII - CLEAN WATER ACT

SUB-PROGRAM AREAS

I. NPDES/Stormwater

- 08001 SW NPDES Permit Application/Renewal
- 08002 Stormwater Pollution Prevention Plan (SWP3)
- 08003 Illicit Discharge Survey
- 08004 Elimination of Illicit Connections to Storm Sewers
- 08005 Design/Construct BMP and Stormwater Management Structures
- 08005M Service & Repair of BMP and Stormwater Management Equipment & Facilities
- 08051 Annual Inspection and Stormwater Pollution Prevention Plan (SWP3) Update
- 08052 Phase II Stormwater Permitting

II. NPDES/Water Quality

- 08011 Toxicity Reduction Evaluation
- 08029 Water Quality/Sediment Studies
- 08030 Mixing Zone Studies
- 08040 NPDES Permit Renewal for Industrial Outfalls
- 08059 Non-Point Source Pollution Load/Assessment /Reduction Study

III. Navy Owned Treatment Works (NOTW)

- 08013 Design/Construct Upgrades to NOTWs to Meet New Requirements
- 08013M Service & Repair of NOTWs Equipment & Facilities
- 08017 Biosolids Management Plan
- 08038 NOTW NPDES Permit Application
- 08057 Closure of NOTW

IV. Collection System

- 08014 Sanitary Sewer Evaluation/Combined Sewer Overflow Study
- 08015M Repair to Sanitary Sewage Collection Lines
- 08036 Design/Construct Sewage Pump Station Alarms and Generators
- 08036M Service & Repair of Sewage Pump Station Equipment & Facilities
- 08039 Operations and Maintenance Manual
- 08039M Update Operations and Maintenance Manual

CHAPTER VIII - CLEAN WATER ACT

SUB-PROGRAM AREAS

V. Pretreatment/Industrial Wastewater

- 08020 Industrial Wastewater Management Plan (POTW/NOTW)
- 08021 Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment
- 08021M Service & Repair of Industrial Wastewater Treatment/Pretreatment Equipment & Facilities
- 08033 Design/Construct OW/WO Storage/Recycle Facility
- 08033M Service & Repair of OW/WO Storage/Recycle Equipment & Facilities
- 08041 Design/Construct Aircraft Hangar AFFF Controls
- 08046 Oil Disposal Raft (Donut) Removal
- 08053 Pretreatment Permit Application/Re-application for Base Sewage Discharge to a POTW
- 08055 Industrial Wastewater Disposal
- 08054 Design/Construct Aircraft Deicing/Anti-Icing Facilities
- 08054M Service & Repair of Aircraft Deicing/Anti-Icing Facilities and Equipment
- 08060 Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

VI. Common Requirements

- 08940 Training
- 08048 NPDES Compliance Monitoring
- 08049 Non-Discharge Permit Monitoring
- 08050 Indirect Discharge Monitoring
- 08980 Wastewater and Stormwater Fees

VII. Miscellaneous Requirements

- 08949 Travel Related to 08940
- 08950 Specific State Requirements
- 08960 Specific Local Requirements
- 08970 Specific Overseas Wastewater Requirements
- 08999 Miscellaneous Requirements

CHAPTER VIII - CLEAN WATER ACT
ROUTINE AND RECURRING GUIDEBOOK ITEMS

08001	SW NPDES Permit Application/Renewal
08003	Illicit Discharge Survey
08004	Elimination of Illicit Connections to Storm Sewers
08005	Design/Construct BMP and Stormwater Management Structures
08013	Design/Construct Upgrades to NOTWs to Meet New Requirements
08013M	Service and Repair of NOTWs Equipment & Facilities
08021M	Service & Repair of Industrial Wastewater Treatment/Pretreatment Equipment & Facilities
08036M	Service & Repair of Sewage Pump Station Equipment & Facilities
08038	NOTW NPDES Permit Application
08039M	Update Operations and Maintenance Manual
08040	NPDES Permit Renewal for Industrial Outfalls
08048	NPDES (Direct Discharge) Compliance Monitoring
08049	Non-Discharge Permit Monitoring
08050	Indirect Discharge Monitoring
08051	Annual Inspection and Storm Water Pollution Prevention Plan (SWP3) Update
08053	Pretreatment Permit Application/Re-application for Base Sewage Discharge to a POTW
08054M	Service & Repair of Aircraft Deicing/Anti-Icing Facilities and Equipment
08055	Industrial Wastewater Disposal
08940	Training (Required under CWA Statute)
08950	Specific State Requirements
08960	Specific Local Requirements
08960	Specific Overseas Wastewater Requirements
08980	Wastewater and Stormwater Fees

Guidebook #: 08001

Project Name: SW NPDES Permit Application/Renewal

Requirement: Current Phase I stormwater regulations require the permitting of stormwater outfalls that drain industrial areas. Navy shore facilities must apply for an individual permit or obtain coverage under the state or EPA General Permit or Multi-sector Permit, depending on the Navy shore activity's location, type of facility, and regulator. [For baseline regulations relating to the NPDES program, see 40 CFR 122. For specific requirements for stormwater discharges associated with industrial activities see 40 CFR 122.26 and state and local regulations.]

EPR Data Entries

Project Name: SW NPDES Permit Application/Renewal (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08001 (field must be entered by user)

PPI#: 3 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08001 (Continued)

Project Name: SW NPDES Permit Application/Renewal

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Indicate if the permit is new or renewed, and the number of outfalls. If an the application is for permit renewal include the permit number and expiration date.
- For each permit, indicate the schedule for renewal.
- Indicate who will accomplish the work.
- Describe how the costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Reference Guidebook Items [08002](#), [08003](#), [08005](#), , [08049](#), [08051](#), and [08980](#).

Coverage under an Individual/General permit requires an illicit discharge survey (Guidebook Item [08003](#)) to identify non-stormwater discharges.

For those non-stormwater discharges identified and that require NPDES permitting, reference Guidebook Item [08040](#).

General Permit requirement requires submission of notice of intent (NOI). This requirement usually recurs at five year intervals.

This Guidebook Item does not cover NPDES permits for construction activities .

Effective Date: Current

Guidebook #: 08001 (Continued)

Project Name: SW NPDES Permit Application/Renewal

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

For the preparation of Form 2F and Form 1 for individual permit application and re-certification of support documentation (i.e., spills, chemical reporting, mapping, outfall characteristics), the estimate is variable depending on the number of outfalls and sampling requirements:

Small (Less than three outfalls):	\$25,000
Medium (4 to 8 outfalls):	\$75,000
Large (9 or more outfalls):	\$200,000
General permit (NOI):	\$1,000 (in-house)

If quality assurance plan is required, add \$5,000.

Guidebook #: 08002

Project Name: Stormwater Pollution Prevention Plan (SWP³)

Requirement: Navy shore facilities applying for coverage under an individual or a general (may include multi-sector) NPDES stormwater permit for industrial activities are required to prepare a SWP³. SWP³s shall be prepared in accordance with good engineering practices and in accordance with the factors outlined in the activity's permit and the Environmental Protection Agency's STORMWATER MANAGEMENT FOR INDUSTRIAL ACTIVITIES: Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-006). As part of plan preparation, an Illicit Discharge Survey (IDS) is conducted and is part of this requirement. [CWA; 40 CFR 122.26]

EPR Data Entries

Project Name: Stormwater Pollution Prevention Plan (SWP³) (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08002 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08002 (Continued)

Project Name: Stormwater Pollution Prevention Plan (SWP³)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Indicate if the SWP³ is required by the permit and the type of permit.
- Indicate the extent of industrial activity (light, medium, or heavy)
- Indicate the date the IDS was/will be conducted.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments: The purpose of the illicit discharge survey is identify illicit connections/discharges to the storm drainage system. It is recommended that the activity contact their EFD/EFA to determine if a permit, a storm water pollution prevention plan, or an IDS is required.

Refer to Guidebook Item [08051](#) for additional requirements (Annual Inspection and SWP3 Update).

Effective Date: Current

Guidebook #: 08002 (Continued)

Project Name: Stormwater Pollution Prevention Plan (SWP³)

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small (e.g., Light Industrial): \$75,000
Medium (e.g., Air Stations): \$150,000
Large (e.g., Ship Yards): \$300,000

These costs include the cost for illicit discharge surveys. However, cost to implement the SWP³ are not included.

If no IDS is required, the costs for a SWP³:

Small (e.g., Light Industrial): \$50,000
Medium (e.g., Air Stations): \$100,000
Large (e.g., Ship Yards): \$150,000

Reference Guidebook Item [08005](#) for BMP and other SWPPP implementation costs.

Guidebook #: 08003

Project Name: Illicit Discharge Survey (IDS)

Requirement: Regulations prohibit unpermitted non-stormwater (illicit) discharges into storm sewers. The purpose of the illicit discharge survey is to identify illicit discharges to the storm drainage system. Illicit discharges are point source discharges of pollutants to storm drainage systems which are not composed entirely of storm water and are not authorized by a NPDES permit. Due to the age of most facilities, illicit connections are inevitable. Navy shore facilities are required to prepare an Illicit Discharge Survey (IDS) and remove and/or permit illicit connections to the storm sewer that are identified in the survey. These surveys can be redone as needed to verify plumbing connections for new construction or renovations that occur over the years. [CWA; 40 CFR 122]

EPR Data Entries

Project Name: Illicit Discharge Survey (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PSCS (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08003 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08003 (Continued)

Project Name: Illicit Discharge Survey

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Indicate if and when an IDS was previously conducted and if a permit application and/or Stormwater Pollution Prevention Plan are(is) being developed.
- Indicate the linear footage of storm sewer/conveyances.
- Indicate who will accomplish the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Costs are for first time IDS only, not for corrective actions to eliminate the illicit discharge. Facilities preparing an individual application (Guidebook Item [08001](#)) need to do an IDS as part of the application. See EPA Form 2F, Section V. Non-stormwater Discharges Certification. (D)

Effective Date: Current

Guidebook #: 08003 (Continued)

Project Name: Illicit Discharge Survey

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small (3 outfalls or less): \$50,000
Medium (4 to 8 outfalls): \$100,000
Large (9 or more outfalls): \$200,000

Cost is highly variable due to watershed size, linear footage of storm sewer pipe/conveyances, potential number of non-storm water discharge connections, and number of dye tests, smoke tests, visual inspections, sampling, and television inspections required.

Follow-on IDSs can typically be done in-house or by contractor for substantially less.

Small (3 outfalls or less): \$15,000
Medium (4 to 8 outfalls): \$30,000
Large (9 or more outfalls): \$75,000

Guidebook #: 08004

Project Name: Elimination of Illicit Connections to Storm Sewers

Requirement: Based on the results of the Illicit Discharge Survey and other investigations, Navy shore facilities must perform corrective actions to eliminate illicit discharges. The scope of these actions will vary widely with the age of the facility and condition of the utility system. Some examples of actions to eliminate illicit connections include: re-directing non-stormwater discharge to sanitary sewer; plugging/blocking floor drains. [CWA; 40 CFR 122]

EPR Data Entries

Project Name: Elimination of Illicit Connections to Storm Sewers (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: SWPS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08004 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08004 (Continued)

Project Name: Elimination of Illicit Connections to Storm Sewers

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate the date of the Illicit Discharge Survey or other investigation where discharges/connections were/will be identified.
- Describe the type of work required, who will accomplish the work, and indicate in which years planning, design, and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: When rerouting an illicit discharge to the sanitary sewer system the Activity must ensure that they are not violating the local POTW/NOTW pretreatment regulations. See [08020](#).

Effective Date: Current

Guidebook #: 08004 (Continued)

Project Name: Elimination of Illicit Connections to Storm Sewers

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Specific examples:

Plug Floor Drain \$500

Re-direct non-storm water discharge to sanitary sewer: \$5,000

(This assumes sanitary sewer is located nearby)

Base wide estimates:

Small (e.g., Light Industrial): up to \$15,000

Medium (e.g., Air Stations): \$15,000-50,000

Large (e.g., Ship Yards): \$50,000-\$150,000+

This may be a recurring cost for future years if additional non-storm discharges are identified.

Costs will vary with the scope of effort required and the amount of construction, repair, or alternation necessary. Use engineering judgment.

Guidebook #: 08005

Project Name: Design/Construct BMP and Stormwater Management Structures

Requirement: Navy shore facilities are required to control stormwater runoff and reduce erosion. One component of the SWP³ is structural Best Management Practices (BMP). Structural BMPs may include lining swales with rip-rap, constructing material storage area covers or material storage sheds, paving bermed areas, installing filters in catch basins, constructing wetlands, installing oil/water separators (for storm water run-off), installing wash racks, or improving containment areas. [CWA; 40 CFR 122].

EPR Data Entries

Project Name: Design/Construct BMP and Stormwater Management Structures (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08005 (field must be entered by user)

PPI#: 6 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: A02 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08005 (Continued)

Project Name: Design/Construct BMP and Stormwater Management Structures

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Indicate the date the SWP³ was last reviewed and updated.
- Describe the work required, who will accomplish the work, and indicate in which years planning, design, and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: ***P2 Alternatives:*** Facilities should consider cost effective pollution prevention options when implementing BMP improvement projects. Additional information on P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Stormwater section (<http://enviro.nfesc.navy.mil/p2library/section10.html>) section of the Joint Services Pollution Prevention Opportunity Handbook for available technologies and cost information.

Effective Date: Current

Guidebook #: 08005 (Continued)

Project Name: Design/Construct BMP and Stormwater Management Structures

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Infiltration Trench: \$5,000 each

Detention Ponds: \$20,000 for first acre drained
\$10,000 each additional acre in drainage area

Outlet Protection: \$10,000 for outfall less than 42 inches
\$20,000 for outfall greater than 42 inches

Rip-rap	\$5,000
Oil water separator	\$20,000 to \$40,000
Washrack	\$100,000

Base-wide estimates:

Small (e.g., Light Industrial):	\$5,000 to \$40,000
Medium (e.g., Air Stations):	\$40,000 to \$100,000
Large (e.g., Ship Yards):	\$100,000+

Additional Costs:

Project documentation:	\$5,000 per project
Design:	Typically 10% of construction cost

The actual cost is highly variable depending upon the size and industrial activity located at the facility.

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 08005M

Project Name: Service & Repair of BMP and Stormwater Management Equipment & Facilities

Requirement: Once installed and in use, BMPs and SWMs may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of BMP and Stormwater Management Equipment & Facilities (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: POLP/SWPS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08005M (field must be entered by user)

PPI#: (Leave this entry blank) N/A (since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08005M (Continued)

Project Name: Service & Repair of BMP and Stormwater Management Equipment & Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate the date the SWP³ was last reviewed and updated.
- Describe the work required, who will accomplish the work, and indicate in which years planning, design, and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments: ***P2 Alternatives:*** Facilities should consider cost effective pollution prevention options when implementing BMP improvement projects. Additional information on P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Stormwater section (<http://enviro.nfesc.navy.mil/p2library/section10.html>) section of the Joint Services Pollution Prevention Opportunity Handbook for available technologies and cost information.

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08011

Project Name: Toxicity Reduction Evaluation

Requirement: An activity that consistently can not achieve compliance with a water quality-based effluent limit will be required to conduct a toxicity reduction evaluation (TRE) to determine necessary actions needed to comply with the requirements. The water quality-based limits (i.e., the regulatory target), could include limits on whole effluent acute or chronic toxicity, and/or limits on individual chemical constituents. The TRE generally consists of various tiers (phases) necessary to thoroughly investigate the nature of the problem. The phases may include one or several of the following steps, the development of a toxicity protocol plan, treatment process evaluation, toxicant identification evaluation, treatability study or source identification evaluation, and implementation of toxicity reduction methods. [CWA §101(a)(3); 40 CFR 122.44(d)]

EPR Data Entries

Project Name: Toxicity Reduction Evaluation (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08011 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: A00 (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08011 (Continued)

Project Name: Toxicity Reduction Evaluation

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate from which point source outfall(s) the discharge(s) have routinely failed toxicity test(s), or exceed a chemical constituent limitation, the dates of outfall test(s), the processes and wastestreams contributing to the point source outfall(s), and the toxics suspected.
- Describe the phases of the Toxic Reduction Evaluation work required and indicate in which years the protocol plan and Toxics Evaluation Study will take place, and who will accomplish the work.
- Explain the scope of the work and how the estimated costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Guidebook #:

08011 (Continued)

Project Name:

Toxicity Reduction Evaluation

Protocol Plan For Single Outfall: To develop a scope of work for conducting a Toxics Evaluation Study for regulatory approval: \$35,000.

Toxics Evaluation Study/Program: One year after protocol plan. To characterize industrial wastestreams to identify sources of toxicity.

Single Source: Suspected single source of toxicant. Most likely solved by multiple instream pollutant scans for the purpose of source identification. Remedial action can be completed by an industrial wastewater management plan specified in Guidebook Item [08020](#), design or upgrade of a pretreatment unit to treat the wastewater at the source which is found at Guidebook Item [08021](#), maintenance of an existing pretreatment unit as described in Guidebook Item [08021M](#) or for incompatible industrial wastewater, removal from indirectly discharging into the collection system, and separate disposal as describe in Guidebook Item [08055](#). Cost guidance is \$250,000, based on a medium sized facility such as an Air Station, and cost does not include remedial action.

Multiple Sources: Suspected multiple sources of toxics. Solved through a combination of source identification and control, plant evaluation, and treatability and feasibility study. Remedial action can be completed by an industrial wastewater management plan specified in Guidebook Item [08020](#), design or upgrade of a pretreatment unit to treat the wastewater at the source as found at Guidebook Item [08021](#), maintenance of an existing pretreatment unit as described in Guidebook Item [08021M](#) or for incompatible industrial wastewater, removal from indirectly discharging into the collection system, and separate disposal as described in [08055](#). Discharges from a NOTW may require an upgrade of treatment as specified in Guidebook Item [08013](#). Maintenance or repairs of existing NOTW equipment to achieve compliance is identified in Guidebook Item [08013M](#). Industrial wastewater treatment plant upgrades are described in Guidebook Item [08021](#). Cost guidance for evaluation effort only is between \$400,000 to \$1,000,000, based on a medium sized facility such as an Air Station, and cost does not include remedial action or treatability and feasibility.

(A)

Guidebook #: 08011 (Continued)

Project Name: Toxicity Reduction Evaluation

Cost Guidance (Continued): Assume that only a single species will be used to determine toxicity. Also assume that process evaluation is limited to correct acute toxicity. In general, TRE will require the use of more than one test species to identify the toxicity of the effluent.

Additional acute toxicity testing: \$500 per species

Additional chronic toxicity testing: \$1,000 per species

Feasibility and Treatability Study/Program: To determine corrective action.

One year after Toxics Evaluation Study

If toxicity is related to NOTW, reference Guidebook Item [08013](#) or [08013M](#) for cost guidance.

If toxicity is related to industrial discharge, reference Guidebook Item [08021](#) or [08021M](#) for cost guidance.

Design/Construct Upgrades Program:

One year after Feasibility and Treatability Study

If toxicity is related to NOTW, use Guidebook Item [08013](#) for Design/Construct Upgrades to NOTWs to Meet New Requirements.

If toxicity is related to industrial discharge, use Guidebook Item [08021](#) for Design/Construct Upgrades to Industrial Wastewater Treatment/Pretreatment.

Design costs are typically 10% of construction costs and must be programmed.

Guidebook #: 08013

Project Name: Design/Construct Upgrades to NOTWs to Meet New Requirements

Requirement: Navy Owned Treatment Works (NOTWs) will have to meet increasingly stringent discharge limits in order to comply with water quality, watershed, and toxicity based standards. Treatment and handling of biosolids will be affected by these same factors. Most NOTWs will have to make changes to their treatment processes. [CWA, NPDES Permit]

EPR Data Entries

Project Name: Design/Construct Upgrades to NOTWs to Meet New Requirements (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08013 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: A00 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08013 (Continued)

Project Name: Design/Construct Upgrades to NOTWs to Meet New Requirements

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the particular discharge limit and/or toxic of concern and the process(es) that generate the discharge(s).
- Describe the corrective actions required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: A Feasibility and Treatability Study must precede design/construction.

Revisions to NOTW Operation and Maintenance Manual are included in construction cost.

Local CWA initiatives impact this effort. If state/local regulators have determined watershed Waste Load Allocations (WLA), then purchase of credits must be included in the Feasibility and Treatability Study. But, recurring costs for WLA credits are not included in this Item. They are located in Guidebook Item [08050](#).

P2 Alternatives: Facilities should consider cost effective pollution prevention options when implementing NOTW design upgrades. Additional information on P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Stormwater section (<http://enviro.nfesc.navy.mil/p2library/section10.html>) section of the Joint Services Pollution Prevention Opportunity Handbook for available technologies and cost information.

Guidebook #: 08013 (Continued)

Project Name: Design/Construct Upgrades to NOTWs to Meet New Requirements

Effective Date: Varies - Consult permit writer

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Varies widely depending on discharge limits. Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Feasibility and Treatability Studies:

Small (<0.5 MGD)	\$100,000
Medium (0.5 - 2 MGD)	\$300,000
Large (>2 MGD)	\$500,000

Major upgrades such as conversion from trickling filter to multi-stage, biological nutrient removal (including modifications to NOTW Operation and Maintenance Manual):

Small (<0.5 MGD)	\$1,000,000 to \$2,000,000
Medium (0.5 to 2 MGD)	\$2,000,000 to \$10,000,000
Large (>2 MGD)	\$10,000,000+

Single process upgrades such as addition of a tertiary train, or upgrades to solids treatment or handling facilities (including modifications to NOTW Operation and Maintenance Manual):

Small (<0.5 MGD)	\$200,000 to \$400,000
Medium (0.5 to 2 MGD)	\$400,000 to \$2,000,000
Large (>2 MGD)	\$2,000,000+

Guidebook #: 08013M
Project Name: Service & Repair of NOTWs Equipment & Facilities
Requirement: Once installed and in use, NOTW equipment may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of NOTWs Equipment & Facilities (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08013M (field must be entered by user)
PPI#: (Leave this entry blank)
Progress Code: 9 (pick field from EPR)
P2 Category: A00 (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08013M (Continued)

Project Name: Service & Repair of NOTWs Equipment & Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the particular discharge limit and/or toxic of concern and the process(es) that generate the discharge(s).
- Describe the corrective actions required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08014

Project Name: Sanitary Sewer Evaluation/Combined Sewer Overflow Study

Requirement: Navy shore facilities are required to conduct Sanitary Sewer Evaluation Studies (SSES) to determine the extent of system degradation and the presence of inflow and infiltration affecting the sanitary sewer collection system, and recommend repair. Repairs are necessary to prevent sewerage overflows, hydraulic overloads, and maintain secondary treatment at Navy Owned Treatment Works (NOTWs) and Publicly Owned Treatment Works (POTWs). [40 CFR 35.2005(b)(16), 125.67, 133.103, and local POTW requirements]

EPR Data Entries

Project Name: Sanitary Sewer Evaluation Study (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08014 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08014 (Continued)

Project Name: Sanitary Sewer Evaluation/Combined Sewer Overflow Study

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate when the last Sanitary Sewer Evaluation/Combined Sewer Overflow Study was conducted and the total linear footage of the sanitary collection system to be studied.
- Cite local POTW sewer ordinance that prohibits inflow/infiltration; or describe history of sewage overflows or plant bypasses due to excessive I/I.
- Describe the work required, who will accomplish the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments: It is recommended that this study be conducted every 10 years. As a prerequisite, flow monitoring may be included to help reduce the number of sub-areas to be inspected. Refer to Guidebook Item [08015M](#) for any recommended follow-on repair.

Effective Date: Current.

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

\$5 to \$8 per linear foot of sanitary sewer line (based on total linear footage of base-wide sanitary collection system).

Cost estimates include sewer line cleaning, camera inspection, smoke testing, manhole inspection, and final recommendations for repair. Higher end cost (~\$8/LF includes GIS/mapping effort)

Guidebook #: 08015M

Project Name: Repair to Sanitary Sewage Collection Lines

Requirement: The Sanitary Sewer Evaluation/Combined Sewer Overflow Study covered in Guidebook Item [08014](#) may result in recommendations for follow-on design/construction of the repair necessary to prevent sewerage overflows, hydraulic overloads, and maintain secondary treatment at Navy Owned Treatment Works (NOTWs) and Publicly Owned Treatment Works (POTWs). [40 CFR 35.2005(b)(16), 125.67, 133.103, and local POTW requirements]. These repairs have a continuing environmental regulatory driver, however, they should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Repair to Sanitary Sewage Collection Lines (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08015M (field must be entered by user)

PPI#: (Leave this entry blank)

Progress Code: 9(pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08015M (Continued)

Project Name: Repair to Sanitary Sewage Collection Lines

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Indicate when the Sanitary Sewer Evaluation Study (Guidebook Item [08014](#)) was/will be accomplished.
- Indicate the age of the system.
- Describe the work required including the total linear footage of the sanitary collection system requiring repair, who will accomplish the work and indicate the years in which planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: MCN or RPMD (pick field from EPR)

Other Comments: An active preventive maintenance program can greatly reduce or eliminate these repair costs (or make them a one-time expenditure). Also, these costs can be offset by cost savings resulting from reduction in hydraulic load to the Sewage Treatment Plant. The scope of repair are based upon the findings determined under Guidebook Item [08014](#).

Effective Date: Current (FY after Sanitary Sewer Evaluation Study).

Guidebook #:

08015M (Continued)

Project Name:

Repair to Sanitary Sewage Collection Lines

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

For Construction:

Under 20 years old: \$10 - \$15 per linear foot (based on total linear footage of base-wide sanitary collection system).

Over 20 years old: \$15 per linear foot plus a flow weighted factor (FWF):

If peak flow/avg. flow is <2 use FWF of 20 %

If peak flow/avg. flow is >=2 use FWF of 50 %

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

For additional cost information, consult your facility maintenance department for cost information.

Guidebook #: 08017

Project Name: Biosolids Management Plan

Requirement: NOTWs (those that treat domestic sewage) must file interim permit applications with EPA to document the character, class, volume, and disposal fate of sewage sludge and septage. Some states also require specific management plans under 40 CFR 501 programs. NOTWs that elect to dispose of sludge by land application, surface disposal incineration, or other beneficial reuse must demonstrate how class A or B sludge will be produced, method of pathogen and vector control, institute appropriate record keeping and training for biosolids handlers/haulers, and conduct monitoring. [40 CFR 503 and state regulations].

EPR Data Entries

Project Name: Biosolids Management Plan (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08017 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08017 (Continued)

Project Name: Biosolids Management Plan

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulations or requirements driving the project.
- Describe the work to be done and who will accomplish the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: This entry can be used to satisfy requirements of beneficial use regulation in its entirety, or to execute individual parts. For example, an activity may conduct a Use/Disposal Study to determine the feasibility of converting from land-fill to beneficial use of domestic sewage.

Guidebook #: 08017 (Continued)

Project Name: Biosolids Management Plan

Other Requirements (Continued):

P2 Alternatives: Facilities should consider cost effective pollution prevention alternatives in lieu of biosolids disposal when possible. For example, composting methods, such as in-vessel composting, can significantly reduce the amount of biosolids requiring disposal. In some circumstances, application in wetlands can provide further biosolids reduction.

Additional information on these and other P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Solid Waste Management section (<http://enviro.nfesc.navy.mil/p2library/section7.html>) section of the Joint Services Pollution Prevention Opportunity Handbook for available composting technologies and cost information.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Beneficial Use/Reuse Alternatives Disposal Study

Surface Disposal:	\$15K
Land Application:	\$35K
Incineration:	\$30K
Beneficial Reuse:	\$20K
Preparation/Filing 40 CFR 503 Interim Application	\$15,000
Development of State/Federal Management Plan	\$50,000

These estimates do not include the cost of recurring monitoring. Recurring monitoring costs are detailed in Guidebook Items [08048](#) and [08049](#).

Guidebook #: 08020

Project Name: Industrial Wastewater Management Plan (POTW/NOTW)

Requirement: Navy shore facilities with NOTWs shall develop, maintain, and enforce a pretreatment program for all dischargers to the NOTW per OPNAVINST 5090.1B, Chapter 7-5.1.d. Dischargers must meet all general and applicable categorical effluent standards IAW 40 CFR 403 and 40 CFR 405-471.

Navy shore facilities that discharge to POTWs must meet all general pretreatment standards, and shall develop, maintain, and enforce a pretreatment program for all dischargers subject to categorical effluent standards IAW 40 CFR 405-471. Navy shore facilities that discharge to POTWs may have management procedures (plans) as a special condition in their pretreatment permits.

Industrial Wastewater Management Plans provide a tailored program for industrial wastewater compliance. [40 CFR 401, and 40 CFR 403]

EPR Data Entries

Project Name: Industrial Wastewater Management Plan (POTW/NOTW) (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08020 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1, 2, 3, or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Guidebook #:	08020 (Continued)
Project Name:	Industrial Wastewater Management Plan (POTW/NOTW)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details of the Federal, state, local regulation or requirement driving the project. • NOTWs cite 5090.1B.7-5.1.d • Facilities discharging to a POTW should cite either a special condition in the pretreatment permit, chronic non-compliance, or the general discharge prohibitions in 40 CFR 403 as justification. • Indicate if the project covers the development of an IWMP or an update of an existing IWMP. • Indicate if the IWMP serves to protect an NOTW or a POTW and indicate the size category of the Navy shore activity (small, medium or large). • Indicate the processes resulting in categorical discharges • Indicate who will develop the plan. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Guidebook Item 08020 is continued on the next page

Guidebook #: 08020 (Continued)

Project Name: Industrial Wastewater Management Plan (POTW/NOTW)

Other Comments: There are four goals of an IWMP; 1) Protect the wastewater collection and treatment system, including operational/maintenance workers, 2) Compliance with established discharge limits, including general, categorical, and local, 3) Compliance with applicable sludge disposal requirements, and 4) Identifying and maximizing recycle and reuse opportunities for all industrial dischargers. In order to achieve these goals, an IWMP should include the six elements identified in the “IWMP Development and Implementation Guidance” (CNO APR 95); 1) Conduct an Industrial Waste Survey (IWS), 2) Identify the program authority, 3) Compare the results of the IWS to existing pretreatment standards (general, categorical, and local), 4) Identify monitoring procedures, 5) Develop a program strategy, and 6) Identify resources required to implement the IWMP.

Activities discharging to a NOTW must develop and implement an IWMP IAW the CNO Guidance document cited above. Updates to IWMPs for these activities should be concurrent with the NOTW’s NPDES permit renewal cycle (every 5 years).

Activities discharging to a POTW are not required to develop an IWMP that includes all of the elements of the CNO guidance cited above. However, these activities are still required to demonstrate compliance with the self-implementing discharge prohibitions and restrictions detailed in 40 CFR 403. These activities may also be subject to a pretreatment program and/or pretreatment permit issued by the POTW. And, any discharger subject to categorical standards IAW 40 CFR 405-471 must comply with sampling, analysis and reporting requirements. These standards are self-implementing. Therefore, these activities should at least conduct an IWS to identify industrial dischargers. The IWS should include a sampling and analysis effort so that actual discharges can be compared with known effluent discharge limits. The IWS may also include recommendations for managing industrial discharges. These recommendations should consider recycle, reuse, reclamation, substitution, and/or engineering controls (constructed pretreatment). Based on the results of an IWS, the activity can consider the need for a comprehensive IWMP. Updates to either an IWS or an IWMP for these activities should be scheduled such that they are completed prior to the permit application submittal date. This will allow the information gathered to be included in the permit application.

Guidebook #: 08020 (Continued)
Project Name: Industrial Wastewater Management Plan (POTW/NOTW)
Effective Date: Current
Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

	Small	Medium	Large
IWS for POTW-discharger	\$75,000	\$150,000	\$300,000
IWMP for POTW-discharger (with IWS completed previously)	\$20,000	\$100,000	\$200,000
IWMP for NOTW-discharger	\$150,000	\$300,000	\$500,000
IWMP Update	\$500 per industrial user	\$400 per industrial user	\$300 per industrial user

(*)Size category: Small refers to light industrial activities, medium refers to air stations and naval stations, and large refers to shipyards and large military complexes.

For routine monitoring costs associated with industrial waste water management and control (self imposed internal outfalls) refer to Guidebook Item [08050](#). Treatment deficiencies identified by the studies can be corrected using Guidebook Item [08021](#) or [08021M](#).

Guidebook #: 08021
Project Name: Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment

Requirement: Navy shore facilities will be required to construct new and upgrade existing industrial treatment facilities to meet stricter effluent limitations established under pretreatment and National Pollutant Discharge Elimination System (NPDES) permits, or to meet new categorical or local limits. Authority for the issuance of an NPDES or Pretreatment permit is derived from 40 CFR 403 & 40 CFR 122. OPNAVINST 5090.1B, 7-4.1.a states that Navy facilities will comply with all substantive and procedural requirements applicable to point and non-point sources of pollution as required by EO 12088.

EPR Data Entries

Project Name: Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08021 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08021 (Continued)

Project Name: Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- If the project is being required because of a new permit condition, cite the permit as the regulatory driver
- Indicate the particular discharge limit and/or toxic of concern and the process(es) that generate the discharge(s).
- Indicate if a Treatability and Feasibility Study is necessary.
- Describe the corrective actions required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR)

Other Comments: This requirement generally applies to photolabs, industrial laundries, plating shops, washracks, facilities that generate OW/WO wastewaters, mercury recovery at medical/dental facilities, and any facility producing a process wastewater requiring treatment.

Most industrial wastewaters are directed to the sanitary sewer system rather than disposed as a direct discharge. Cost data shown below assumes an indirect discharge requiring pretreatment.

Guidebook #: 08021 (Continued)
Project Name: Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment

Other Comments (Continued): Discharges may be eliminated by using recycle treatment equipment for facilities such as washracks and plating shop rinse waters. A benefit cost analysis would be useful to determine the advantage of converting to a recycle system. Local initiatives can also drive the use of recycle equipment.

P2 Alternatives: In addition to use of recycle treatment equipment where feasible, facilities should consider cost effective pollution prevention alternatives in lieu of discharge when possible. For example, alternative materials and processes may be implemented to reduce the amount of process wastewater requiring treatment. In addition, cost effective treatment technologies such as the Bilge and Oily Wastewater Treatment System (BOWTS) (http://enviro.nfesc.navy.mil/p2library/9-10_297.html) may be used to lower contaminant levels to less than the permissible limits for discharge to navigable waters or to treatment works. Additional information on these and other P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>).

Difficult to treat and unknown wastewaters often require treatability studies before design can begin. See Guidebook Item [08013](#) for cost guidance.

Effective Date: Current or next NPDES permit cycle

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Varies (See following Unit Construction Cost Estimates):

Chemical Degreasing Facility:	\$70,000
Cooling Towers:	
(Addition of flow metering)	\$1,000-5,000
(Recycling the blowdown)	\$50,000
(Rerouting the discharge from storm system to sanitary)	\$200 - \$2000 each

Guidebook #:	08021 (Continued)																
Project Name:	Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment																
Cost Guidance (Continued):	<p><u>For Feasibility and Treatability Studies:</u></p> <table> <tr> <td>Small flow (<0.5 MGD)</td> <td>\$100,000</td> </tr> <tr> <td>Medium flow (0.5 - 2 MGD)</td> <td>\$300,000</td> </tr> <tr> <td>Large flow (>2 MGD)</td> <td>\$500,000</td> </tr> </table> <p><u>Oil/Water Separator (Enhance oil removal)</u></p> <table> <tr> <td>Add coalescing packing and valving:</td> <td>\$15,000</td> </tr> <tr> <td>Install a new coalescing separator</td> <td>\$25,000-\$45,000</td> </tr> <tr> <td>Silver Recovery Units (< 5 ppm):</td> <td>\$15,000</td> </tr> <tr> <td>Upgrade washracks (includes separator):</td> <td>\$120,000</td> </tr> <tr> <td>Recycle Unit (microfiltration)</td> <td>\$35,000</td> </tr> </table>	Small flow (<0.5 MGD)	\$100,000	Medium flow (0.5 - 2 MGD)	\$300,000	Large flow (>2 MGD)	\$500,000	Add coalescing packing and valving:	\$15,000	Install a new coalescing separator	\$25,000-\$45,000	Silver Recovery Units (< 5 ppm):	\$15,000	Upgrade washracks (includes separator):	\$120,000	Recycle Unit (microfiltration)	\$35,000
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Recycle Unit (microfiltration)	\$35,000																

Guidebook #: 08021 (Continued)

Project Name: Design/Construction of Upgrades to Industrial Wastewater Treatment/Pretreatment

Cost Guidance (Continued): Skid mounted OW/WO systems such as BOWTS

<i>Cost Element</i>	<i>50 gpm system</i>	<i>150 gpm system</i>
Site Preparation:	\$250,000+	\$300,000+
Equipment Costs:	\$450K to \$500K	\$540K to \$600K
Installation Costs:	\$200,000	\$200,000
Engineering Costs:	\$120,000	\$120,000
Training Costs:	\$10K to \$15K	\$10K to \$15K

Considerations in site preparation costs include: requirements for pad and berm, utilities (such as water and electricity), piping, and load equalization tanks.

Other:

5,000 gallon tanker:	\$62,000
10,000 gallon tanker:	\$86,000
Fixed tankage < 30,000 gal:	\$0.75 per gallon
Unit site preparation for utilities	\$30,000 to \$300,000

For new construction of Industrial Waste Treatment Plant (IWTPs) refer to Guidebook Item [08013](#).

Dental facilities amalgam collection system: \$3,000/chair

Project documentation costs are approximately \$8,500 per project.

Design costs are approximately 10% of the construction cost and are in addition to the construction cost shown above.

Guidebook #: 08021M

Project Name: Service & Repair of Industrial Wastewater Treatment/Pretreatment Equipment & Facilities

Requirement: Once installed and in use, industrial wastewater treatment/pretreatment equipment & facilities, will require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of Industrial Wastewater Treatment/Pretreatment Equipment & Facilities

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08021M (field must be entered by user)

PPI#: (Leave this entry blank)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08021M (Continued)

Project Name: Service & Repair of Industrial Wastewater Treatment/Pretreatment Equipment & Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- If the project is being required because of a new permit condition, cite the permit as the regulatory driver
- Indicate the particular discharge limit and/or toxic of concern and the process(es) that generate the discharge(s).
- Indicate if a Treatability and Feasibility Study is necessary.
- Describe the corrective actions required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08029

Project Name: Water Quality/Sediment Studies

Requirement: The development of new/revised water quality standards, including narrative, numerical, and sediment criteria, will lead to more stringent effluent limits for discharges to surface waters. Navy shore facilities may be required to conduct chemical and biological studies of water quality and sediment to support permit negotiations for metals and other pollutants suspected to be toxic. Studies may address the effect and fate of discharges from Navy Owned Treatment Works (NOTW) process wastewater discharges, and stormwater discharges. Special studies including chemical translator and water effect ratio studies, bombing/firing range studies, and outfall siting studies may be required to obtain an authorization to discharge. [40 CFR 131]

EPR Data Entries

Project Name: Water Quality/Sediment Studies (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08029 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	08029 (Continued)
Project Name:	Water Quality/Sediment Studies
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)
Narrative:	(Give a detailed description of the project in accordance with Appendix D . Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.) To justify the project, the narrative should: <ul style="list-style-type: none"> • Provide details of the Federal, state, local regulation or requirement driving the project. • Indicate the particular discharge limit or pollutant of concern and the process(es) that generate the discharge(s). • Indicate what kind of study is required and describe the scope of the study. • Indicate who will do the work. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (Pick field from EPR)

Other Comments:	Often needed to support NEPA work for relocating outfalls, to support NPDES permit renewals, and water quality impact of Navy industrial operations. Mixing zone studies are included under Item 08030 . Receiving water monitoring required by an NPDES permit are included under Item 08048 .
Effective Date:	NPDES permit renewal/special studies
Cost Guidance:	Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions. \$100,000 to \$500,000 depending on the nature of the study.

Guidebook #: 08030

Project Name: Mixing Zone Studies

Requirement: Mixing zones are limited areas around outfalls and other facilities to allow for the initial dilution of waste discharges. Mixing zones are for the assimilation of domestic, agricultural, and industrial discharges which have received the best degree of treatment or control and are recognized as being necessary. These limited zones are to provide for a current realistic means of control over the placement and manner of discharges or emissions so as to achieve the highest attainable level of water quality or otherwise to achieve the minimum environmental impact considering initial dilution, dispersion, and reactions from substances which may be considered to be pollutants. New policies concerning the application of mixing zones could lead to more stringent discharge limitations due to smaller mixing zones. Mixing zone studies may also justify relaxed permit conditions (based on the fate and transport of the effluent). Navy shore facilities that cannot meet end-of-pipe effluent limits and require the derivation of limits based upon mixing zones will need to determine the impact of the new policies on their discharges. The EPA plans to develop a mixing zone policy that will lead States to issue new mixing zones that are smaller, thereby equating to lower discharge limitations. [CWA, 40 CFR 122.44(d), 40 CFR 131, and specific state regulations]

EPR Data Entries

Project Name: Mixing Zone Studies (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08030 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

Guidebook #:	08030 (Continued)
Project Name:	Mixing Zone Studies
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details of the Federal, state, local regulation or requirement driving the study. • Indicate the particular discharge limit or pollutant of concern and the process(es) that generate the discharge(s). • Indicate what kind of study is required and describe the scope of the study. • Indicate who will do the work. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (Pick field from EPR)
<hr/>	
Other Comments:	This requirement is for Navy shore facilities that have limits based upon mixing zones or that anticipate limits being developed based upon mixing zones. In some states, thermal and macrofouling zones are part of the study.
Effective Date:	Permit issuance/renewal of permit.

Guidebook #: 08030 (Continued)

Project Name: Mixing Zone Studies

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Mixing Zones studies for small activities with a single discharge may cost \$50,000 to 75,000 (e.g., dye or drouge studies); more complex discharge scenarios to confirm and investigate outfalls will run \$100,000 to \$500,000 (e.g., hydrodynamic modeling). Additional costs may be incurred if re-piping of the outfall is necessary to meet the mixing zone policy requirements (e.g., extending the discharge pipe into deeper water and installing multi-port diffusers).

Guidebook #: 08033
Project Name: Design/Construct OW/WO Storage/Recycle Facility
Requirement: Management of shoreside generated oily waste/waste oil (OW/WO) as a recoverable resource will be required to achieve targets for recycling used oils and maintain segregation of solvents.

Centralized facilities will be needed to store and segregate waste oils to prevent commingling with hazardous solvents and for centralized disposal through the Defense Re-utilization and Marketing Office (DRMO) or to a Navy oil reclamation plant. A centralized facility functions much like a hazardous waste storage facility but only processes non-hazardous oily waste for recycling. Activity types include Public Works Centers and other public works departments serving industrialized facilities with Air Intermediate Maintenance Depots (AIMDs), Ship Intermediate Maintenance Activities (SIMAs), vehicle maintenance shops and other activities that generate substantial quantities of waste oil. [40 CFR 279]

EPR Data Entries

Project Name: Design/Construct OW/WO Storage/Recycle Facility (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08033 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: E03 (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08033 (Continued)

Project Name: Design/Construct OW/WO Storage/Recycle Facility

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the volume of OW/WO expected and which facilities will be served.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

For Construction:

\$100,000 for an activity generating less than 500 gallons per day.

\$350,000 for activity generating 500-1,000 gallons per day.

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 08033M
Project Name: Service & Repair of OW/WO Equipment & Facilities
Requirement: Once installed and in use, OW/WO equipment and facilities may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of OW/WO Equipment & Facilities
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08033M (field must be entered by user)
PPI#: (Leave this entry blank)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08033M (Continued)

Project Name: Service & Repair of OW/WO Equipment & Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the volume of OW/WO expected and which facilities will be served.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08036
Project Name: Design/Construct Sewage Pump Station Alarms and Generators
Requirement: Sewage pumping stations require equipment and alarms to provide power reliability to convey sewage and to prevent overflows. [40 CFR 122, state and local requirements]

EPR Data Entries

Project Name: Design/Construct Sewage Pump Station Alarms and Generators (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08036 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08036 (Continued)

Project Name: Design/Construct Sewage Pump Station Alarms and Generators

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project the narrative should:

- Indicate the number of pumping stations requiring attention.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR)

Other Comments: The alarm system mentioned is intended to be a telemetry system to be monitored at a central location.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.
\$25,000 to \$250,000 per pump station depending upon size and requirements.
Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 08036M

Project Name: Service & Repair of Sewage Pump Station Equipment & Facilities

Requirement: Once installed and in use, the sewage pumping stations equipments and alarms may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of Sewage Pump Station Equipment & Facilities
(field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08036M (field must be entered by user)

PPI#: (Leave this entry blank)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08036M (Continued)

Project Name: Service & Repair of Sewage Pump Station Equipment & Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project the narrative should:

- Indicate the number of pumping stations requiring attention.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments: The alarm system mentioned is intended to be a telemetry system to be monitored at a central location.

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08038
Project Name: NOTW NPDES Permit Application
Requirement: National Pollutant Discharge Elimination System (NPDES) permits for Navy Owned Treatment Works (NOTWs) must be renewed every 5 years or when process or flows of waste characteristics change. Preparation of appropriate forms and sampling is required. [CWA; 40 CFR 122]

EPR Data Entries

Project Name: NOTW NPDES Permit Application (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08038 (field must be entered by user)
PPI#: 3 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08038 (Continued)

Project Name: NOTW NPDES Permit Application

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- For each permit, indicate if permit is new or renewed.
- Indicate, and the number of outfalls. If an the application is for permit renewal include the permit number and expiration date.
- For each permit, indicate the schedule for renewal.
- Indicate who will accomplish the work.
- Describe how the costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR(Pick field from EPR)

Other Comments: Reduced cost if regulating authority will accept previous sample data (from previous DMRs). Assume preparation of 2C plus Form 1. Renewal application for NOTW NPDES permit must be filed greater than 180 days prior to permit expiration date (typically 5 year intervals).

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Preparation of permit application:	\$15,000
Priority Pollutant (PP) Scan:	\$1,500 (May be slightly higher in areas such as Hawaii and Guam, due to shipping and handling costs)
Whole Effluent Toxicity Test:	\$1,000

This estimate does not include the cost of recurring monitoring. Recurring monitoring costs are detailed in Guidebook Item [08048](#).

This estimate does not include the permit application fee. The permit application fee is detailed in Guidebook Item [08980](#).

Guidebook #: 08039

Project Name: Operations and Maintenance Manual

Requirement: Some states require Operations and Maintenance (O&M) Manuals for wastewater treatment and collection systems. Failure to have an O&M manual is often cited as a violation of 40 CFR 122.41(e) since a good O&M manual is considered essential to proper operation and maintenance; [State regulations or State NPDES permit requirement].

EPR Data Entries

Project Name: Operations and Maintenance Manual (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08039 (field must be entered by user)

PPI#: 13 (for environmental # only)field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	08039 (Continued)
Project Name:	Operations and Maintenance Manual
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details of the Federal, state, local regulation or requirement driving the project. • Indicate the size of the collection system (small, medium or large) and treatment plant (gpd). • Describe the work required and who will accomplish the work. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (Pick field from EPR)

Other Comments:	<p>Many systems have O&M manuals but they are often outdated due to either equipment changes or plant modifications/expansions.</p> <p>Refer to Guidebook Item 08013 for O&M manual updates for plant upgrades required to meet stricter effluent limitations..</p> <p>Appropriate EPR entry for “Fund Code” for subsequent updates of the O&M manual is “RPMD”.</p>
Effective Date:	Current

Guidebook #: 08039 (Continued)

Project Name: Operations and Maintenance Manual

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Collection Systems:

Small (Less than 10 pump stations)	\$50,000
Medium (10 to 25 pump stations)	\$80,000
Large (More than 25 pump stations)	\$3,200/station

Sewage Treatment Plants:

Less than 50,000 gpd:	\$10,000
50,000 - 200,000 gpd:	\$100,000
200,000 - 1 mgd:	\$200,000
Greater than 5 mgd:	\$325,000

For bilingual manuals multiply the cost by 1.5.

Guidebook #: 08039M
Project Name: Update Operations and Maintenance Manual.
Requirement: The Operations and Maintenance Manual may require periodic updates to reflect changes in the treatment process or the addition/modification of equipment. This project is considered a maintenance project and should be programmed and budgeted in the RPM programs as appropriate.

EPR Data Entries

Project Name: Update Operations and Maintenance Manual (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08039M (field must be entered by user)
PPI#: (Leave this entry blank)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08039M (Continued)

Project Name: Update Operations and Maintenance Manual

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the size of the collection system (small, medium or large) and treatment plant (gpd).
- Describe the work required and who will accomplish the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code RPMD

Other Comments:

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08040
Project Name: NPDES Permit Renewal for Industrial Outfalls
Requirement: Navy shore facilities are required to renew National Pollutant Discharge Elimination System (NPDES) permits every 5 years for non-sewage process discharge, or when a new source is added. A permit application and sampling are required, including priority pollutant scans. [40 CFR 122]

EPR Data Entries

Project Name: NPDES Permit Renewal for Industrial Outfalls (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08040 (field must be entered by user)
PPI#: 3 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08040 (Continued)
Project Name: NPDES Permit Renewal for Industrial Outfalls
Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Assumes preparation of Form 2C, back-up data, and Form 1
Effective Date: 180 days prior to permit expiration date.
Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.
\$1,500 per outfall per event (sampling) includes labor
Prepare application Forms 1 and 2C using historical data and assuming the use of a contractor for this service: \$10,000 to \$15,000
Quality assurance plan (if required): \$5,000
Add 50% of renewal costs for permit modifications at 2 1/2 years into permit cycle.
Reference Guidebook Item [08038](#) for NOTW NPDES and Guidebook Item [08001](#) for SW NPDES. Reference Guidebook Item [08980](#) for permit renewal fees.

Guidebook #: 08041

Project Name: Design/Construct Aircraft Hangar AFFF Controls

Requirement: Aqueous Film Forming Foam (AFFF) is used as a fire suppression agent for aircraft (JP5 and JP4) fires. Most Navy hangars are equipped with fire suppression systems using 3% AFFF. AFFF inhibits biological wastewater treatment and discharges of AFFF solutions are prohibited by some Publicly Owned Treatment Works (POTWs). Since AFFF is also toxic to aquatic life, some states prohibit direct discharges.

Naval facilities may be required to modify hangar floor drain collection piping and fire protection sprinkler systems to collect discharges from false alarms and system testing. Modifications typically include motorized control valves, controls, and collection tankage or ponds to collect discharges from false alarms. AFFF test ports can be installed to collect discharges from system testing.

Note: Most Navy hangars built after approximately 1980 are equipped with a dual action type fire suppression system. Hangars with single action (deluge) systems should be converted to dual action systems in order to reduce discharge quantities. [40 CFR 122, 40 CFR 403 and local/regional regulations]

EPR Data Entries

Project Name: Design/Construct Aircraft Hangar AFFF Controls (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08041 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: C02 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Guidebook #: 08041 (Continued)

Project Name: Design/Construct Aircraft Hangar AFFF Controls

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR)

Other Comments: *P2 Alternatives:* AFFF foam distribution test kits have been developed for certain types of fire-fighting equipment, such as the Oshkosh P-19 and Amertek CF4000L Crash Fire Rescue (CFR) vehicles. These kits use environmentally-benign dye water in the vehicle foam distribution system during routine testing and maintenance operations, eliminating the generation of AFFF wastewater and subsequent discharge to the local treatment plant.

Effective Date: Current

Guidebook #: 08041 (Continued)

Project Name: Design/Construct Aircraft Hangar AFFF Controls

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Test Ports: \$25,000 per hangar

Conversion to Dual Action: \$50,000 per hangar

Controls and Valves: \$75,000

Collection Tanks

Single Hangar: \$500,000 to \$750,000

Two Hangars Together: \$600,000 to \$1.0 M

System Serving Multiple Hangars: \$1.0 M to \$3.0 M

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 08041M
Project Name: Service & Repair of Aircraft Hangar AFFF Controls
Requirement: Once installed and in use, Aircraft Hangar AFFF controls may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of Aircraft Hangar AFFF Controls
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08041M (field must be entered by user)
PPI#: (Leave this entry blank)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08041M (Continued)

Project Name: Service & Repair of Aircraft Hangar AFFF Controls

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facility maintenance department for cost information.

Guidebook #: 08046

Project Name: Oil Disposal Raft (Donut) Removal

Requirement: The Navy is eliminating the use of oil disposal rafts, commonly called Donuts, used to dispose of bilge water. Oil disposal rafts must be removed from service, cleaned and disposed of in accordance with environmental regulations. [40 CFR 121 and 122, OPNAVINST 5090.1B, and regional OW/WO management plans]

EPR Data Entries

Project Name: Oil Disposal Raft (Donut) Removal (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: SPCC (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08046 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08046 (Continued)

Project Name: Oil Disposal Raft (Donut) Removal

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate the number of donuts requiring disposal

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

\$30,000 per donut (includes cleaning prior to disposal)

Guidebook #:

08048

Project Name:

NPDES (Direct Discharge) Compliance Monitoring

Requirement:

Navy shore facilities that have National Pollutant Discharge Elimination System (NPDES) permits must perform sampling, as specified by each permit. The types of discharges that may require monitoring are stormwater outfalls, treated wastewater, and individually permitted outfalls. Monitoring of Biosolids generated by NOTWs for disposal or reuse is also included. [CWA; 40 CFR 122; 40 CFR 503]

Stormwater

Navy shore facilities holding Stormwater permits must perform NPDES sampling as specified annually/semi-annually for General Permits, quarterly for Multi-sector Permits in the second year and possibly in the fourth year, and as specified by individual permits. SWPPPs should detail the monitoring requirements.

Individually Permitted Outfalls

Navy shore facilities holding individual NPDES permits for individual outfalls, such as treated industrial wastewater or discharge from an Installation Restoration or Underground Storage Tank site, must perform sampling as specified by the permit. Sampling is usually conducted at least monthly.

Treated Wastewater Effluent

Navy shore facilities with an NOTW must monitor their treated effluent according to their NPDES permit. Monitoring is usually conducted monthly and submitted in Discharge Monitoring Reports.

Toxics Management Monitoring

New or renewed NPDES permits may require implementation of a toxics management program, which includes sampling for acute and chronic toxicity and chemical characteristics. This generally does not apply to stormwater discharges, but it may apply. Check with your permitting authority.

States with NPDES authority may also utilize the permittee to characterize reaches of receiving streams and fully characterize discharges to trigger the need to reopen a permit and to update a states' data base for the triennial standards review of water quality standards. This may apply to treated wastewater outfalls and individually permitted outfalls. [CWA §301(b)(2)(C) and (D), §304(b)(2), and §307(a)(2); 40 CFR 122.44]

Guidebook Item 08048 is continued on the next page

Guidebook #: 08048 (Continued)

Project Name: NPDES (Direct Discharge) Compliance Monitoring

Requirements (Continued): Biosolids Monitoring

NPDES permits for treatment works treating domestic sewage require monitoring of biosolids. Monitoring frequencies range from monthly to annually based on the volume of biosolids generated per year.

EPR Data Entries

Project Name: NPDES (Direct Discharge) Compliance Monitoring (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08048 (field must be entered by user)

PPI#: 4 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08048 (Continued)

Project Name: NPDES (Direct Discharge) Compliance Monitoring

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify this project, the narrative should:

- As appropriate, identify the number of outfalls, the monitoring schedule, and the type of analysis required.
- Indicate who will accomplish the work.
- Describe how the costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Stormwater (Sample collection, analysis, visual monitoring)

Multi-Sector/General Permit:

\$1,500 per outfall per year

General Permit:

\$2,000 - \$4,000 per outfall for 2nd year, 4th year if required.

Individual Permit:

\$2,500 to \$6,000 per outfall per year

Individually Permitted Outfalls

Cost will vary depending on the type of process wastewater. Generally, the more industrial the discharge, the more monitoring will be required. Estimate \$2,500-\$6,000 per outfall per year for monthly monitoring.

Guidebook #: 08048 (Continued)

Project Name: NPDES (Direct Discharge) Compliance Monitoring

Cost Guidance (Continued): Treated Wastewater Effluent
Historical data should be available.

Toxics Management Monitoring

For each NPDES permit requiring toxics monitoring, add:

Acute: \$500 per species per sampling event

Chronic: \$1,000 per species per sampling event

Biosolids Monitoring for Beneficial Reuse

Biosolids testing under 40 CFR 503 includes coliform, salmonella, nitrogen, phosphorous, and metals. Sampling frequency is according to the volume of biosolids generated per year:

Less than 290: \$500/year (annually)

290 up to 1500: \$2,000/year (4/year)

1500 up to 15,000: \$3,500/year (6/year)

15,000 or more: \$6,000/year (monthly)

These cost figures include labor. Costs will vary significantly, so use historical data if available. If your activity generally experiences very high cost compared to other regions, you may want to increase the values listed here.

Guidebook #: 08049

Project Name: Non-Discharge Permit Monitoring

Requirement: Navy shore facilities holding permits for processes that do not discharge to surface waters must perform sampling of the appropriate media as required by the permit. Examples of these processes are on-site wastewater disposal systems such as evaporation, percolation, spray irrigation/land application, or class V UIC wells. Wastewater treatment or potable water treatment plants may hold this type of permit.

EPR Data Entries

Project Name: Non-Discharge Permit Monitoring (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08049 (field must be entered by user)

PPI#: 4 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08049 (Continued)

Project Name: Non-Discharge Permit Monitoring

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify this project, the narrative should:

- As appropriate, identify the number of outfalls, the monitoring schedule, and the type of analysis required.
- Indicate who will accomplish the work.
- Describe how the costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Facilities with NPDES permits associated with their biosolids should refer to Guidebook Item [08048](#) for monitoring costs. Sludge treatment facilities that do not have an NPDES permit should use this entry for monitoring costs.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Varies (\$1200 to \$2000)

Guidebook #: 08050

Project Name: Indirect Discharge Monitoring

Requirement: Navy shore facilities are typically required to monitor their discharges to the Publicly Owned Treatment Works (POTW). In addition, facilities may be required to monitor specific industrial discharges to sanitary sewer systems. Monitoring may be required for discharges from categorical industrial users, significant industrial users, and other industrial operations covered by local pretreatment regulations or the NOTW's pretreatment program. In addition, discharges to NOTWs must show compliance with 40 CFR 403 pretreatment standards. Monitoring specified by the installation's Industrial Wastewater Management Plan (IWMP) should also be included here, as well as recurring costs for Waste Load Allocation credits. [CWA, 40 CFR 403,, 5090.1B]

EPR Data Entries

Project Name: Indirect Discharge Monitoring (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08050 (field must be entered by user)
PPI#: 4 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08050 (Continued)

Project Name: Indirect Discharge Monitoring

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify this project, the narrative should:

- Indicate the type(s) of monitoring required and, as appropriate, identify the number of outfalls, the monitoring schedule, and the type of analysis required.
- Indicate who will accomplish the work.
- Describe how the costs were determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments:

(D)

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small (non-industrial): \$2,000/year
Medium (Non-categorical): \$25,000/year
Large (Non-categorical): \$50,000/year

For each Significant or Categorical user, add \$2,000/year

For discharge to the POTW, historical data should be available.

Guidebook # 08051
Project Name: Annual Inspection and Stormwater Pollution Prevention Plan (SWP³) Update

Requirement: Navy shore facilities which have obtained coverage under an individual or general (may include multi-sector) NPDES stormwater permit for industrial activities are required to prepare a stormwater pollution prevention plan (SWP³). These above permits require that qualified personnel conduct site compliance evaluations at least once a year, keep records of all inspections and reports, and revise the plan as needed. Upon promulgation of Phase II stormwater regulations in 1999, the subsequent plan update will need to include areas covered by Phase II regulations. See [08052](#). [CWA, 40 CFR 122.26, and as required by individual states]

EPR Data Entries

Project Name: Annual Inspection and Stormwater Pollution Prevention Plan (SWP³) Update (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08051 (field must be entered by user)
PPI#: 6 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: A02 (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook # 08051 (Continued)

Project Name: Annual Inspection and Stormwater Pollution Prevention Plan (SWP³) Update

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Indicate the type of Stormwater permit, the permit number, the permit expiration date, and number of outfalls.
- Indicate whether the installation is small, medium or large.
- Indicate who will do the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: OMN (pick field from EPR)

Other Comments: Failure to conduct annual inspection/update is a violation of your NPDES Permits.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small (e.g., Light Industrial): \$15,000
 Medium (e.g., Air Stations): \$35,000
 Large (e.g., Ship Yards): \$60,000

In 2000 or 2002, these costs will be higher since the update should also include new areas covered by Phase II regulations.

Guidebook #: 08052

Project Name: Phase II Stormwater Permitting

Requirement: Final Regulations governing Phase II stormwater discharges are scheduled to be published October 1, 1999. EPA is currently resolving over 500 comments on the proposed regulations. Activities not covered by Phase I stormwater regulations will likely be required to apply for permit coverage by 07 August 2001. Phase II requirements will be implemented through the issuance of individual and general permits. The permits will likely require minimum control measures such as BMPs that take into account regional watershed protection initiatives and detection of illicit connections. Extensive monitoring will not be required. Activities subject to the phase II regulations will need to seek permit coverage or an exemption from the regulation. [CWA; 40 CFR 122.26]

EPR Data Entries

Project Name: Phase II Stormwater Permitting (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: POLP (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08052 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: A02 (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08052 (Continued)

Project Name: Phase II Stormwater Permitting

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Explain why installation is subject to Phase II regulations.
- Indicate whether the installation is small, medium or large.
- Indicate who will do the work and describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments:

Effective Date: March 1999

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small-\$50,000

Medium -\$100,000

Large-\$ 150,000

These costs cover assessment of applicability of phase II regulations as well as initial phase II permit minimum control requirements.

Guidebook #: 08053
Project Name: Pretreatment Permit Application/Re-application for Base Sewage Discharge to a POTW
Requirement: Navy shore facilities discharging industrial wastewater to a Publicly Owned Treatment Works (POTW) may be required to obtain a discharge permit from the POTW. [CWA, 40 CFR 403, and local municipal sewer ordinances]

EPR Data Entries

Project Name: Pretreatment Permit Application/Reapplication for Base Sewage Discharge to a POTW (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08053 (field must be entered by user)
PPI#: 3 FOR PERMIT RENEWAL, 13 FOR INITIAL PERMIT (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1,2,3, or 4 for initial permit, 9 for renewals (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08053 (Continued)

Project Name: Pretreatment Permit Application/Re-application for Base Sewage Discharge to a POTW

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Indicate newly regulated industrial activities (e.g., automotive service centers, laundries, petroleum product distribution centers, and vehicle storage and maintenance sites).
- Indicate whether the installation is small, medium or large.
- Indicate who will do the work and describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Applications/Re-applications are required typically every three years or in accordance with the POTWs sewer use ordinances. Applications/Re-applications are typically due 180 days prior to the expiration of an existing permit. When programming for this Item, allow time to complete the project prior to the application deadline. This requirement may apply to wastewater treatment plants in states where categorical operations are covered by a general permit (e.g., Connecticut)

Effective Date: Current

Cost Guidance:

Small (e.g., Light Industrial):	\$5,000 to \$10,000
Medium (e.g., Air Stations):	\$10,000 to \$20,000
Large (e.g., Ship Yards):	\$20,000 to \$60,000

These costs do not account for the preparation of an industrial waste water management plan, where a recently completed detailed survey and waste stream characterization has been completed. Refer to Guidebook Item [08020](#). The above cost can be reduced by 20% where applications can be supported by a recently completed industrial waste water management plan.

Guidebook #: 08054
Project Name: Design/Construct Aircraft Deicing/Anti-Icing Facilities
Requirement: Deicing/anti-icing facilities result in process wastewater discharges. Air Stations in cold climates may require collection and treatment of aircraft deicing/anti-icing fluids. Projects will be necessary to design and construct deicing/anti-icing pads, collection systems, treatment ponds, or pretreatment units that discharge to the sanitary sewer.

EPR Data Entries

Project Name: Design/Construct Aircraft Deicing/Anti-Icing Facilities (field must be entered by user)
Law/Regulatory Area: CWA (pick field from EPR)
Environmental Category: PSCS (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08054 (field must be entered by user)
PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1, 2, 3, or 4 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08054 (Continued)

Project Name: Design/Construct Aircraft Deicing/Anti-Icing Facilities

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the average amount of deicers/anti-icers used annually.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR))

Other Comments: *P2 Alternatives:* Facilities should consider cost effective pollution prevention options for aircraft deicing/anti-icing operations. Use of recycling and recovery equipment for glycol-based products can significantly reduce the amount of process wastewater discharged for treatment. Refer to the Datasheet for Substitution and Recycling of Aircraft De-icing Products (http://enviro.nfesc.navy.mil/p2library/6-07_896.html) in the Joint Services Pollution Prevention Opportunity Handbook for a description of alternatives and for cost information. Also, acetates of potassium, magnesium or sodium may be preferable alternatives to glycols for airfield pavement deicing applications. Additional information on these and other P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>).

Effective Date: Current

Guidebook #: 08054 (Continued)

Project Name: Design/Construct Aircraft Deicing/Anti-Icing Facilities

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Small Air Station \$200,000 to \$500,000

Large Air Station \$1.0 M to \$3.0 M

Design costs are approximately 10% of the construction cost and are in addition to the construction cost shown above.

Guidebook #: 08054M

Project Name: Service & Repair of Aircraft Deicing/Anti-Icing Facilities and Equipment.

Requirement: Once installed and in use, Aircraft Deicing/Anti-Icing facilities and equipment may require periodic maintenance and/or repair. This Item has a continuing environmental regulatory driver, however, it should be considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service & Repair of Aircraft Deicing/Anti-Icing Facilities and Equipment.

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: SPCC (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08054M (field must be entered by user)

PPI#: (Leave this entry blank)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08054M (Continued)

Project Name: Service & Repair of Aircraft Deicing/Anti-Icing Facilities and Equipment.

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the average amount of deicers/anti-icers used annually.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR))

Other Comments:

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.
Consult your facility maintenance department for cost information.

Guidebook #: 08055

Project Name: Industrial Wastewater Disposal

Requirement: Industrial wastewaters which cannot be adequately treated on-site or which are prohibited or incompatible with disposal to the sanitary sewer must be sent off-site for disposal. Disposal options may include centralized waste treatment or disposal as a solid waste. [40 CFR 403, state or local regulations]

EPR Data Entries

Project Name: Industrial Wastewater Disposal (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08055 (field must be entered by user)

PPI#: 5 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08055 (Continued)

Project Name: Industrial Wastewater Disposal

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Indicate the source and volume of special industrial wastewater requiring disposal.
- Indicate the likely disposal option for each type of wastewater.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: OMN (pick field from EPR)

Other Comments: Examples of special industrial wastewaters include: AFFF, contaminated bilgewater, bilgewater, EDTA hydrazine, boiler cleaning/rinse water, and emulsified oily wastewaters. Residuals from pretreatment equipment such as grease traps and oil/water separators are not covered by this Guidebook Item. They are covered under Guidebook Item [08021M](#).

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Use historical cost data, rates are highly variable. Consult your servicing PWC or local special wastewater handling contractor. The cost of sampling and analysis to characterize the wastewater for disposal should not be included in this Item. Sampling costs are covered under Guidebook Items [08048](#) and [08050](#).

Guidebook #: 08057

(A)

Project Name: Closure of Navy-Owned Sewage Treatment Plant

Requirement: Navy shore facilities which have a Navy-Owned Sewage Treatment Plant and are either negotiating BRAC closure or utility outsourcing initiatives will have to go through proper closure procedures of existing facilities. Closure of the National Pollutant Discharge Elimination System (NPDES) permit will have to be executed. Residual waste characterization and disposal, and physical plant closure, are issues that will have to be addressed. [40 CFR 122; State NPDES regulations]

EPR Data Entries

Project Name: Closure of Navy-Owned Sewage Treatment Plant (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: WWTR (pick field from EPR , Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08057 (field must be entered by user)

PPI#: 13 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1, 2, 3, or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 08057 (Continued)

Project Name: Closure of Navy-Owned Sewage Treatment Plant

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Indicate whether the Sewage Treatment Plant is active or abandoned
- Indicate the plant size.
- Describe the work required, who will accomplish the work and indicate in which years planning, design and construction will take place.
- Describe how the estimated cost was determined

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: OMN, or MCN (Pick field from EPR .)

Other Comments: Scoping a Sewage Treatment Plant (STP) closure must be executed in committee with the Regulatory Agency (EPA Region or State depending on NPDES issuance). The Sampling and Analysis Plan is a key document that must represent the consensus of the Navy and the Regulatory Agency. Particular attention is required to address Resource Conservation and Recovery Act concerns (once waste is recovered from the STP the ‘domestic exclusion’ may no longer apply), and the sampling requirements of both the haul permit at the receiving treatment works/landfill.

Environmental and Construction divisions of the cognizant EFD/EFA will have to work in committee as well. Environmental divisions will have the expertise for NPDES permit issues but the plant demolition will have typical construction requirements.

Guidebook #: 08057 (Continued)

Project Name: Closure of Navy-Owned Sewage Treatment Plant

Closure of a STP can be divided into three phases: 1) Characterize the residual waste, 2) Dispose of the residual waste, and 3) Demolish the physical plant. Phase I should be executed using an A/E contract, and phases 2 and 3 should be executed using a construction contract. Sewage flows should be diverted in sufficient advance to minimize residual waste at the plant. Once the plant has been taken off-line, the residual waste (solid and liquid) should be characterized for disposal. Based on sampling results, receiving treatment works or landfills can be identified and confided. After the treatment units have been “certified” as “clean” by the regulatory agency, the plant can be demolished.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

For the purpose of this discussion, there are two types of STPs: active and abandoned. Closure of an active plant requires significantly less effort than that of an abandoned plant. Residual waste can be minimized at an active plant and existing sampling and analysis data and solids handling operations may be used to reduce closure costs. Demolition costs are independent of plant status.

Plant Size	Waste Characterization ¹	Demolition ²
Q _d ≤ 2 mgd	\$70,000	\$150,000
Q _d > 2 mgd	\$100,000	\$250,000

Design costs are approximately 10 % of the construction cost and are in addition to the construction cost shown above.

(1) Assuming that current solids handling operations are utilized, waste characterization costs for closure of an active plant are \$0.

(2) Demolition cost includes an E&S Control Plan and a Stormwater Management Plan. Demolition of structures to grade and re-grading costs are also included, but not removal of below-grade structures. If removal of below-grade structures is required, then demolition costs will increase by approximately 50%.

Guidebook #: 08059

Project Name: Non-Point Source Pollution Load Assessment/Reduction Study

Requirement: The development of watershed based management strategies, including coastal zone management plans, watershed management plans and total maximum daily loads (TMDLs) will require Navy facilities to explore non-point source load reductions as well as point source load reductions. Studies will be required to assess non-point loads and develop strategies for non-point source load reductions or trading of point source or non-point source loads within a watershed. The results of these studies can be used to support NPDES permit negotiations or meet non-point source requirements resulting from TMDLs, state non-point source regulations or coastal zone management programs. Studies may address the loads from non-point source runoff, air deposition, discharges from Navy Owned Treatment Works (NOTW), process wastewater discharges, and discharges from storm water outfalls. 40 CFR 130.7, 40 CFR 122.44, CWA Section 319, and CZARA Section 6217.

EPR Data Entries

Project Name: Non-Point Source Pollution Load Assessment/Reduction Study (field must be entered by user)

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: NPTS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08059 (field must be entered by user)

PPI#: 6 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Guidebook #: 08059 (Continued)

Project Name: Non-Point Source Pollution Load Assessment/Reduction Study

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-3, 5-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the particular pollutant of concern and the sources of the pollutant.
- Indicate what kind of study is required and describe the scope of the study.
- Indicate who will do the work.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments: Often needed to support NPDES permit modifications and non-point source controls resulting from TMDLs, watershed management plans, state non-point source regulations, or coastal zone management plans.

Effective Date: When receiving waters are listed on a CWA Section 303(d) list or as state/local requirements are promulgated.

Guidebook #: 08059 (Continued)

Project Name: Non-Point Source Pollution Load Assessment/Reduction Study

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

\$50,000 to \$500,000 depending on the nature of the study.

Reference #: 08060 (A)
Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Requirement: As discussed in the Overview to this Chapter of the Guidebook, EPA is proposing effluent guidelines (for existing direct dischargers), pretreatment standards (for new and existing indirect dischargers), and new source performance standards (for new direct dischargers) in several categorical industries. EPA has issued proposed guidelines and standards for Industrial Laundries, Centralized Waste Treatment Facilities, Landfills, Industrial Waste Combustors, Transportation Equipment Cleaning Facilities, and Metal Products and Machinery Facilities. Activities will have to identify whether they have these operations and submit a baseline monitoring report and a compliance report. If the baseline monitoring shows that standards can not be met, the activity will have to perform a source reduction/treatment upgrade study. Compliance with these standards may require pollution prevention measures such as source reduction or material substitution, industrial process modification, or a modification to the industrial waste treatment system to meet effluent limitations. [40 CFR 403.12, 437, 438, 441, 442, 444, and 445]

Centralized Waste Treatment (40 CFR 437)

The regulation was proposed in January 1995 and was re-proposed on 13 January 1999. The proposed regulation is expected to be finalized on 15 August 1999 and would establish Federal minimum standards for direct discharges to navigable waters or indirect discharges to POTWs from "centralized waste treatment facilities (CWTFs)". As defined by the proposed regulation for this categorical industry, CWTFs include any facility that treats or recovers any hazardous or non-hazardous industrial waste received off-site by tanker truck, trailer/roll-off bins, drums, barge, or other forms of shipment. Numerical effluent guidelines will be established for oily waste, metal-bearing waste, and organics-bearing waste.

Assuming the public comment period yields no significant change in the proposal, there would be no *de minimus* amount for application of the standard. Bilge water treated by Navy shore facilities is considered a centralized waste unless the treatment facility is located where the bilgewater is off loaded. The regulation could also apply to Navy shore facilities with IWTPs that receive trucked wastewater that is generated offsite. Primary impact of the new rule will be that

Reference #: 08060 (Continued)
Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source

Performance Standards for Various Point Source Categories

Requirement (Continued)

existing industrial treatment facilities will have to be upgraded to meet the addition of new limits for organics and/or metals.

Metal Products and Machinery (40 CFR 438)

Phase I of the regulation was proposed on 30 May 1995. EPA has decided to combine phases I and II and propose the regulation in October 2000. The regulation is expected to be finalized in December 2002 and will establish Federal minimum standards for direct discharges to navigable waters or indirect discharges to POTWs from the metal products and machinery (MP&M) industry. The proposed MP&M effluent guideline will cover facilities that manufacture, rebuild (i.e., perform depot level maintenance), and repair finished metal parts, products, or machines. Industrial sectors include aircraft, aerospace equipment, electronic equipment, hardware, mobile industrial equipment (i.e., heavy tracked vehicles, mobile tactical equipment, etc.), ordnance, stationary industrial equipment, bus and truck, household equipment, instruments, motor vehicles, office machines, railroad, ships and boats, and precious and non-precious metals. Discharge to Navy Owned Treatment Works (NOTWs) or Publicly Owned Treatment Works (POTWs) will be required to meet the categorical limits for metals, and oil and grease (O&G). MP&M standards will apply to processes that affect degreasing or acid treatment of a piece of metal, machinery, electroplating, painting, washing or rinsing, or the ancillary uses of water used to conduct these operations like cooling baths, paint curtains, floor washing, etc.

The Phase I proposed regulation included a *de minimus* exclusion for "plants or portions of plants" which generate less than 1,000,000 gallons of process water per year. The definition of "plant or portion of plant" as it applies to Federal facilities is currently under review. Assume that the *de minimus* limit will be applied to groups of buildings co-located in a particular area which support a mission area and perform work in the same industrial sector. As an example, the MP&M process wastewater discharges from several hangars on the flightline which have MP&M facilities which support maintenance of assigned aircraft and transients would be summed to determine if the exclusion would apply.

Reference #:	08060 (Continued)
Project Name:	Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories
Requirement (Continued)	<p>Sources include oil/water separators, cutting machine cooling water, chemical metal treatment, metal degreaser, process cooling water, and test waste waters.</p> <p>Transportation Equipment Cleaning, (40 CFR 442)</p> <p>The Transportation Equipment Cleaning (TEC) proposed rule was issued on 25 June 1998 and is expected to be finalized on 15 June 2000. The rule will regulate wastewater discharges from industrial facilities that generate wastewater from the cleaning of tank trucks, closed-top hopper trucks, rail tank cars, closed-top hopper rail cars, intermodal tank containers, inland tank barges, closed-top hopper barges, ocean/sea tankers, and other similar tanks. used to transport cargos that come into direct contact with the tank or container interior. Facilities that clean drums and intermediate bulk containers are not included within the scope of the TEC Proposed Rule.</p> <p>EPA states that TEC effluent standards will apply to industrial facilities where (1) transportation equipment cleaning is the only industrial activity subject to CWA effluent standards, or (2) the facility accepts tanks and containers for commercial cleaning purposes (regardless of any other effluent standards under which the facility may be regulated. EPA also stresses the TEC Proposed Rule is meant to capture transportation equipment cleaning facilities that function independently of other industrial activities.</p> <p>Industrial facilities that are subject to other CWA effluent standards that also engage in the cleaning of tank and container interiors will not be subject to the TEC effluent standards under the following two conditions: The tanks and containers being cleaned held cargos that were (1) generated or used on-site, or that were (2) generated by an off-site facility under the same “corporate structure” (the term “corporate structure” is not defined in the TEC Proposed Rule).</p> <p>The wastewater discharge proposed for regulation under this rulemaking is washwater that comes in direct contact with regulated tank or container interiors listed in one of the eleven subcategories. This includes pre-rinse cleaning solutions, chemical cleaning solutions and final rinse solutions. TEC wastewater does not include washwater from exterior tank or container cleaning, except where it is commingled with regulated TEC wastewater and discharged to the same treatment system or point source.</p>

Reference #: 08060 (Continued)
Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Requirement (Continued) The eleven TEC subcategories are based on the mode of transportation and the types of cargos carried. Categorical pretreatment standards and/or direct discharge limits are proposed, depending on the specific subcategory. EPA does not propose TEC effluent standards for the truck, rail and barge hopper categories (all commodities), nor does it propose pretreatment standards for trucks, barges and hoppers used to transport food. The Agency does propose effluent standards for direct discharges in the food transportation subcategories (all modes of transportation).

EPA proposes effluent limitations for new sources discharging wastewater to POTWs in the Barge/Chemical & Petroleum subcategory, but excludes tank trucks and rail cars that carry petroleum. However, EPA requested comment on whether to combine the petroleum category with the chemical category. This would lead to effluent limitations for the petroleum truck and rail subcategories.

Industrial Laundries (40 CFR 441)

The rule, proposed on 17 December 1997 and expected to be finalized in June 1999, would apply to industrial laundries defined as any facility that launders industrial textile Items from off-site as a business activity (i.e., launders industrial textile Items for other business entities for a fee or through a cooperative arrangement). Either the industrial laundry facility or the off-site customer may own the industrial laundered textile Items. For this proposed rule, laundering means washing with water, including water washing following dry cleaning. This proposed rule would not apply to laundering exclusively through dry cleaning. Industrial textile Items include, but are not limited to, industrial: shop towels, printer towels/rags, furniture towels, rags, mops, mats, rugs, tool covers, fender covers, dust-control Items, gloves, buffing pads, absorbents, uniforms, filters and clean room Items. If any of these Items otherwise considered to be industrial textile Items are used only by hotels, hospitals, or restaurants, they are not industrial Items and would not be covered by this rule.

Reference #: 08060 (Continued)
Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Requirement (Continued)

The proposed rule would not apply to discharges from:

- ☞ on-site laundering at industrial facilities,
- ☞ laundering of industrial textile Items originating from the same business entity,
- ☞ and facilities that exclusively launder linen Items, denim prewash Items, new Items (i.e., Items directly from textile manufacturers, not yet used for intended purpose), any other laundering of hospital, hotel, or restaurant Items or any combination of these Items.

This proposed rule would apply to hotel, hospital, or restaurant laundering of industrial textile Items from off-site industrial users, (e.g., shop towels). In addition, this proposed rule would not apply to the discharges from oil-only treatment of mops.

For existing indirect dischargers (those industrial laundries that discharge to a POTW), EPA is proposing to exclude existing facilities that launder less than one million pounds of incoming laundry per calendar year and less than 255,000 pounds of shop and/or printer towels/rags per calendar year.

Pretreatment standards for industrial laundries are based on the chemical precipitation treatment technologies and include daily maximum limitations for bis (2-ethylhexyl) phthalate, ethylbenzene, naphthalene, tetrachloroethene, toluene, m-xylene, o&p-xylene, SGT-HEM, copper, lead, and zinc.

Industrial Waste Combustor (40 CFR 444)

The rule, proposed on 06 February 1998 and expected to be finalized in November 1999, would apply to wastewater discharged from Industrial Waste Combustor Facilities that burn industrial hazardous or non-hazardous waste and operate commercially (no Federal Activities that met this definition was identified by USEPA during the data gathering for this proposed rule).

Reference #: 08060 (Continued)

Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Requirement (Continued)

The proposed regulation applies to the discharge of wastewater associated with the operation of RCRA incinerators (as defined in 40CFR260.10), RCRA boiler and industrial furnaces (40CFR260.10), and non-hazardous commercial combustors. The waste stream of concern may include wastewater from air pollution control systems, flue gas quench operations, slag quench operations, truck/equipment washdown, container washdown, laboratory drains, floor washings, and others such as storm water which comes into contact with waste or waste handling and treatment areas.

This proposal would not apply to wastewater discharges associated with combustion units that burn only wastes generated on-site or from wastewater discharges from RCRA hazardous incinerators, RCRA BIFs, and non-hazardous combustors that burn waste generated off-site from facilities that under the same corporate ownership (or effective control) as the combustor.

Guidelines for new and existing industrial waste combustors are based on chromium reduction, if necessary, primary precipitation, solid-liquid separation and sludge dewatering, secondary precipitation (at different pH), solid-liquid separation and sludge dewatering, sand filtration and include daily maximum and monthly average limitations for TSS, arsenic, cadmium, chromium, cooper, lead, mercury, silver, titanium, and zinc.

Standards for new and existing industrial waste combustors are based on the same treatment technologies as the guidelines but without final sand filtration and include daily maximum and monthly average limitations for arsenic, cadmium, chromium, cooper, lead, mercury, silver, titanium, and zinc.

Landfills (40 CFR 445)

The rule, proposed on 06 February 1998 and expected to be finalized in November 1999, would apply to wastewater discharges from RCRA Subtitle C Hazardous Waste Landfills and from RCRA Subtitle D Non-Hazardous Waste Landfills. Wastewater flows which are covered by the proposed rule include leachate, gas collection condensate, drained free liquids, laboratory-derived wastewater, contaminated storm water and contact washwater from truck exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

Reference #:

08060 (Continued)

Project Name:

Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Requirement (Continued):

Groundwater that has been contaminated by a landfill and is collected, treated, and discharges is excluded. Also, the proposed rule would not apply to wastewater discharges associated with the operation and maintenance of land application or treatment units, surface impoundments, underground injection wells, waste piles, salt dome or bed formations, underground mines, caves or corrective action units. This proposed rule would not apply to waste transfer stations, or any wastewater not directly attributed to the operation and maintenance of Subtitle C or Subtitle D landfill units. Wastewaters generated off-site of the landfill facility such as those generated in off-site washing of vehicles used in landfill operations are not within the scope of this guideline. The proposed rules does not apply to wastewater discharges that is commingled for treatment with other non-landfill process wastewater provided that:

- ☞ The landfill operates in conjunction with other, on-site industrial and commercial activities and
- ☞ The landfill generating the process wastewater receives only wastes generated on-site or wastes received from off-site facilities under the same corporate structure.

Guidelines for new and existing hazardous and non-hazardous landfill facilities are based on chemical precipitation to remove metals and biological treatment to remove organics and include daily maximum and monthly average limitations for BOD5, TSS, ammonia, arsenic, total chromium, zinc, alpha terpineol, aniline, benzene benzoic acid, naphthalene, p-cresol, phenol, pyridine, and toluene. for hazardous landfills (RCRA Subtitle C) and BOD5, TSS, ammonia, zinc, alpha terpineol, benzoic acide, p-cresol, and toluene for non-hazardous landfills (RCRA Subtitle D) which discharge to surface waters.

Standards for new and existing hazardous landfill facilities (RCRA Subtitle C) that discharge to POTWs are based on chemical precipitation and secondary biological treatment and include daily maximum and monthly average limitations for ammonia, alpha terpineol, aniline, benzoic acid, p-cresol, and toluene.

Standards for new and existing non-hazardous landfill facilities are excluded from the proposed rule.

Reference #: 08060 (Continued)
Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

EPR Data Entries

Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Law/Regulatory Area: CWA (pick field from EPR)

Environmental Category: PTRQ (pick field from EPR, Law/Reg dep)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: pick field from EPR, automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from the EPR indicating the command sponsoring the project)

Cookbook #: 08060

PPI #: 5 (filed must be entered by user, see Appendix E of the Guidebook)

Progress Code: 3 (Pick field from EPR)

P2 Category (pick field from EPR)

Navy Assessment Level: 1-5. (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: Depends on type of activity

Approving Command: Indicates the claimant with the authority and responsibility for approving the project

Regulatory Authority: 1-3, 5-7 (pick field from EPR indicating regulation reference: federal,state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Reference #: 08060 (Continued)

Project Name: Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
 To justify the project, the narrative should:

- Provide details of the Federal, state, local regulation or requirement driving the project.
- Indicate the size of the installation (small, medium or large) and level of industrial activity (light, medium, heavy).
- Indicate the processes and/or sources of concern.
- Describe the work required (i.e., Feasibility Source Reduction Study, Pollution Prevention Measure, Process Modification, and/or Treatment Plant Upgrade)
- Indicate who will accomplish the work.
- Indicate in which years the work or, if appropriate, planning, design and construction will take place.
- Describe how the estimated cost was determined.

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Within three years of the final promulgation of the rule, all Activities which meet the applicability requirements must be in compliance with the published guidelines and standards.

Effective Date:

<u>Guideline</u>	<u>Rule Final</u>	<u>Compliance</u>
Industrial Laundries	6/99	6/02
Centralized Waste Trtmt	8/99	8/02
Landfills	11/99	11/02
Waste Combustors	11/99	11/02
Trans Equip Cleaning	6/00	06/03
Metal Products & Machine	12/00	12/03

Reference #: 08060 (Continued)

Project Name: **Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories**

Cost Guidance: Note: The following figures are for general guidance only. As indicated in [paragraph A.2 of Chapter 0](#) facility specific information should be used for developing cost estimates for the EPR submissions.

Initial Categorical Source Identification (all except MP&M).

Small (e.g., Light Industrial): \$1,000 to \$5,000
Medium (e.g., Air Stations): \$5,000 to \$15,000
Large (e.g., Ship Yards): \$15,000 to \$50,000

Initial Categorical Source Identification (MP&M).

Small (e.g., Light Industrial): \$10,000 to \$30,000
Medium (e.g., Air Stations): \$20,000 to \$60,000
Large (e.g., Ship Yards): \$40,000 to \$100,000

Note: Driver is not only the size of facility, but also the types and amounts of industrial activity falling under this rule

Baseline Report.

Existing indirect discharges that are subject to the categorical pretreatment standards must submit a baseline report which will be used to determine the need for industrial pretreatment measures within 180 days after the effective date of promulgation of the standard. Baseline report to be completed by December 1999 for industrial laundries, February 2000 for centralized waste treatment, May 2000 for landfills and waste combustors, November 2000 for transportation equipment cleaning, and June 2001 for metal products and machinery. The baseline report must include a description of

Reference #: 08060 (Continued)

Project Name: **Identification Survey and Reporting for Compliance with Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Various Point Source Categories**

Cost Guidance (Continued): the operations, a flow measurement, and a measurement of pollutants. Assume a minimum of four grab samples must be used to determine pH, cyanide, total phenols, oil and grease, sulfide, and volatile organics. For all other pollutants, 24-hour composite samples must be obtained through flow-proportional composite sample techniques where feasible. Cost is \$5000 per source.

Source Reduction/Treatment Upgrade Study

If the baseline monitoring shows that standards can not be met, the activity will have to perform a study to evaluate source reduction, material substitution, process modifications, and/or treatment upgrades. Cost is \$25,000 per source

Compliance Report.

A compliance report must be submitted within 90 days following the compliance date for the applicable standard. Unless otherwise indicated, compliance by existing sources with categorical pretreatment standards are required within 3 years of the date the standard in effect. Compliance reports will need to be completed by September 2002 for industrial laundries, November 2002 for centralized waste treatment, February 2003 for landfills and waste combustors, September 2003 for transportation equipment cleaning, and March 2004 for metal products and machinery. The compliance report must include a description of the operations, a flow measurement, and a measurement of pollutants. Assume a minimum of four grab samples must be used to determine pH, cyanide, total phenols, oil and grease, sulfide, and volatile organics. For all other pollutants, 24-hour composite samples must be obtained through flow-proportional composite sample techniques where feasible. Cost is \$5000 per source.

Include costs of the identification survey, the baseline report, and the compliance report under this Guidebook Item (08060). Recurring monitoring costs (costs other than monitoring associated with the baseline report and the compliance report) are included in Guidebook Items [08048](#), [08049](#), or [08050](#), as necessary. Costs for a source reduction/treatment upgrade study should be included under this Guidebook Item (08060) but process modifications and treatment/pretreatment system modifications to comply with these limitations should be included in Guidebook Item [08021](#).

Guidebook #: 08940

Project Name: Training

Requirement: Clean water/wastewater training requirements include State and locally mandated training requirements.

Training for wastewater treatment plant operators is required by some State and local water quality regulations. Navy operators must have, at a minimum, the following: basic wastewater plant design, wastewater plant operations, basic maintenance/calibration of plant controls and equipment, wastewater plant treatment principles, wastewater sampling and analysis, and wastewater plant/system documentation and reporting requirements.

Technical and maintenance personnel must receive proper training regarding wastewater system monitoring, oversight, inspection and maintenance in order to help ensure compliance with applicable regulations at Navy installations. [CWA, State regulations, and OPNAVINST 5090.1B]

EPR Data Entries

Project Name: Training (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: TRNG (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08940 (field must be entered by user)
PPI#: 2 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Guidebook #:	08940 (Continued)
Project Name:	Training
Regulatory Authority:	1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)
Narrative:	(Give a detailed description of the project in accordance with Appendix D . Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.) To justify the project, the narrative should: <ul style="list-style-type: none"> • Indicate the types of training required and the number of personnel requiring the training. • Describe how the estimated costs were determined..
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	This Guidebook Item should be used for training requirements that are mandated by Federal, State, or local regulations, permit conditions, or facility operations certificates. Examples of training that may be required include: laboratory certifications, maintaining operator certifications, State Continuing Education Units, and technical training. There are also annual requirements to maintain continuous certification for those responsible for the day-to-day operation of a treatment facility. See additional information provided in section A.6.a of Chapter 0 .
Effective Date:	Current, dependent of specific clean water/wastewater training requirements.
Cost Guidance:	Varies based on training required. Use historical data.

Guidebook #: 08949
Project Name: Travel Related to 08940 (Activities please use a descriptive title)
Requirement: Dependent upon specific training requirements indicated in Guidebook Item [08940](#).

EPR Data Entries

Project Name: Travel Related to 08940 (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: PGMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR, automatically changes class)
Pillar: PVN or CMP or CNS or CLN (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 4 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08949 (field must be entered by user)
PPI#: 2 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1, 4-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)
Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Guidebook #: 08949 (Continued)

Project Name: Travel Related to 08940 (Activities please use a descriptive title)

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments: This Guidebook Item should only be used for travel requirements that are related to training as indicated in Guidebook Items [08940](#). Activities must enter the title and purpose of the travel being requested. Use only if total travel cost for any single year is more than \$5,000.

Effective Date: Dependent on specific training requirements.

Cost Guidance: Dependent on specific training locations.

Guidebook #: 08950
Project Name: Specific State Requirements
Requirement: Specific State clean water/wastewater requirements which are either more stringent than or not addressed in existing Federal requirements.

EPR Data Entries

Project Name: Specific State Requirements (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: PGMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08950 (field must be entered by user)
PPI#: 6 IF RECURRING, 13 IF NON RECURRING (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 IF RECURRING, 1,2,3, OR 4 IF NON RECURRING(pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 2 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	08950 (Continued)
Project Name:	Specific State Requirements
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details on the specific State regulations or requirements driving the project. • Describe the work to be done, who will accomplish the work and indicate in which years planning, design and construction will take place, if appropriate. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	This Guidebook Item should only be used for specific State requirements that are not addressed in the requirements of another Guidebook Item. The user must add a unique title if using this reference number. The narrative must include a description of the specific state regulation driving use of this Guidebook Item.
Effective Date:	Dependent of specific State clean water/wastewater requirements.
Cost Guidance:	Dependent on specific State clean water/wastewater requirements.

Guidebook #: 08960
Project Name: Specific Local Requirements
Requirement: Specific local clean water/wastewater requirements which are either more stringent than or not addressed in existing Federal requirements.

EPR Data Entries

Project Name: Specific Local Requirements (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: PGMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08960 (field must be entered by user)
PPI#: 6 IF RECURRING, 13 IF NON RECURRING (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 IF RECURRING, 1,2,3,4 IF NON RECURRING(pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 3 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)
Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Guidebook #:	08960 (Continued)
Project Name:	Specific Local Requirements
Narrative (Continued):	<p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details on the specific local regulations or requirements driving the project. • Describe the work to be done, who will accomplish the work and indicate in which years planning, design and construction will take place, if appropriate. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
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Other Comments:	This Guidebook Item should only be used for specific local requirements that are not addressed in the requirements of another Guidebook Item. The user must add a unique title if using this reference number. The narrative must include a description of the specific local regulation driving use of this Guidebook Item.
Effective Date:	Dependent of specific local clean water/wastewater requirements.
Cost Guidance:	Dependent on specific local clean water/wastewater requirements.

Guidebook #: 08970
Project Name: Specific Overseas Wastewater Requirements
Requirement: Specific overseas clean water/wastewater requirements which are either more stringent than or not addressed in existing Federal requirements. As required by the OEBGD,r FGS or host nation laws.

EPR Data Entries

Project Name: Specific Overseas Wastewater Requirements (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: PRGM (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08970 (field must be entered by user)
PPI#: 6 IF RECURRING, 13 IF NON RECURRING (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 IF RECURRING, 1,2,3, OR 4 IF NON RECURRING(pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 5 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08970 (Continued)

Project Name: Specific Overseas Wastewater Requirements

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

To justify the project, the narrative should:

- Provide details on the specific OEBGD, FGS or host nation laws driving the project.
- Describe the work to be done, who will accomplish the work and indicate in which years planning, design and construction will take place, if appropriate.
- Describe how the estimated cost was determined.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: This Guidebook Item should only be used for specific overseas requirements that are not addressed in the requirements of another Guidebook Item. The user must add a unique title if using this reference number. The narrative must include a description of the specific final governing standard or overseas requirement driving use of this Guidebook Item.

Under OEBGD or FGS the following are typical wastewater requirements:

Upgrade of WWTP to secondary treatment
(reference Guidebook Item [08013](#) for cost guidance).

Direct discharge location and characterization
(reference Guidebook Item [08003](#) for cost guidance).

Direct discharge monitoring requirements
(reference Guidebook Item [08048](#) for cost guidance).

Industrial wastewater management plan
(reference Guidebook Item [08020](#) for cost guidance).

Guidebook #: 08970 (Continued)
Project Name: Specific Overseas Wastewater Requirements
Effective Date: Dependent of specific overseas clean water/wastewater requirements.
Cost Guidance: Dependent on specific overseas clean water/wastewater requirements.

Guidebook #: 08980

Project Name: Wastewater and Stormwater Fees

Requirement: Payment of fees are required by some states or local regulatory agencies. Examples may be annual stormwater certification (the state of New Jersey requires an annual stormwater certification and includes a fixed fee for submission.) industrial general permit application fee (i.e. the State of Connecticut) and municipal stormwater fees to regulatory agencies to support clean water, wastewater, and stormwater requirements. [40 CFR 122; State and local requirements]

EPR Data Entries

Project Name: Wastewater and Stormwater Fees (field must be entered by user)
Law/Regulatory Area: MULT (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 08980 (field must be entered by user)
PPI#: 3 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 08980 (Continued)
Project Name: Wastewater and Stormwater Fees
Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
To justify the project, the narrative should:

- Indicate which fees must be paid, the driving regulation, how much, on what schedule, and to what organization.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Storm Water:
Some states require stormwater program annual reporting or certifications which include associated fees. Municipalities may charge associated fees to storm systems.
Wastewater:
NPDES wastewater permit fees are typically required 180 days before the expiration of the permit (5 years). Permit modifications also require application fees.
Effective Date: Current

Guidebook #:

08980 (Continued)

Project Name:

Wastewater and Stormwater Fees

Cost Guidance:

Stormwater:

Stormwater reporting/certification fees (state specific)

General permit (NOI): \$500

Individual permit: \$2,500

Municipal stormwater fees (if applicable)

\$10 to \$15 per 1000 square feet of impervious area per year

Wastewater:

NOTW permit renewal:

\$500 to \$4,500

NPDES industrial permit modifications

Minor: \$500 to \$2,000

Major: \$500 to \$4,000

NPDES industrial permit renewal

Minor: \$500 to \$3,500

Major: \$500 to \$8,000

NPDES Reporting/annual fees (state specific)

Industrial General: \$50 to \$500

Point Sources \$50 to \$500

Guidebook #: 08999

Project Name: Miscellaneous Requirements (Navy shore facilities: Please use descriptive title) (RPM/OBOS, some aspects)

Requirement: Provide support for clean water/wastewater requirements not addressed in an existing Guidebook Item.

EPR Data Entries

Project Name: Miscellaneous Requirements (Navy shore facilities: Please use descriptive title) (field must be entered by user)

Law/Regulatory Area: MULT (pick field from EPR)

Environmental Category: (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 08999 (field must be entered by user)

PPI#: 6 IF RECURRING, 13 IF NON RECURRING, N/A IF A RPMD/OBOS REQUIREMENT (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 IF RECURRING, 1,2,3, OR 4 IF NON RECURRING(pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	08999 (Continued)
Project Name:	Miscellaneous Requirements (Navy shore facilities: Please use descriptive title) (RPM/OBOS, some aspects)
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>To justify the project, the narrative should:</p> <ul style="list-style-type: none"> • Provide details on the specific local regulations or requirements driving the project. • Describe the work to be done, who will accomplish the work and indicate in which years planning, design and construction will take place, if appropriate. • Describe how the estimated cost was determined.
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	The user must add a unique title if using this reference number. The narrative must include a description of the specific regulation driving the use of this Guidebook Item.
Effective Date:	Dependent on specific water/wastewater requirements.
Cost Guidance:	Dependent on specific water/wastewater requirements.

