

Appendix C3
Public Construction Activities Management Guidance

Appendix C3

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C3.1 Construction Activity Management Requirements

C3.1.1 Construction Control Measures

Guidance for preparation of a local Storm Water Pollution Prevention Plan (local SWPPP) and Wet Weather Erosion Control Plan (WWECP) for Construction Priority Projects is provided in Attachment C3.1. The General Construction Permit can be viewed or downloaded from the State Water Resources Control Board's web page: <http://www.swrcb.ca.gov/stormwtr/construction.html>.¹ Construction BMP selection guidance is provided in Attachment C3.2.

C3.1.2 Site Inspection

A construction site inspection checklist that can be used for contractor self-inspections for SUSMP Projects and a Permittee construction site inspection checklist are provided in Attachments C3.3 and C3.4, respectively.

C3.1.3 BMP Checklist

A BMP checklist is provided as Attachment C3.5. The categories of BMPs described below in the following five sections must be included.

C3.1.3.1 Erosion Control (Soil Stabilization) Practices

Preserve existing vegetation where feasible and revegetate disturbed areas as soon as feasible after grading or construction. At a minimum, one or more erosion control practices must be implemented on all disturbed areas during the winter season.

C3.1.3.2 Sediment Control Practices

Use control practices that, to the extent feasible, will prevent a net increase in sediment load in stormwater discharges. At a minimum, one or more sediment controls must be implemented for all significant sideslope and downslope boundaries of the construction site and at all internal storm drain inlets.

C3.1.3.3 Tracking Control Practices

Use tracking control practices to reduce tracking of sediment onto public and private roads, and inspect and clean roads as necessary.

C3.1.3.4 Wind Erosion Control Practices

Use control practices to reduce wind erosion. Practices are generally similar to those used for erosion control.

¹ A copy of the General Construction Permit can also be obtained from the Los Angeles Regional Board at 320 W. 4th Street, Suite 200, Los Angeles, CA 90013; telephone 213.576.7700.

C3.1.3.5 Non-Stormwater and Materials and Waste Management Practices

Use applicable control practices based on site activities year round to eliminate or reduce the discharge of materials other than stormwater.

C3.1.4 Verification of Construction Activity BMPs

The inspection and enforcement procedures described in Section 2.4 of this document may be followed to verify that construction activity BMPs are properly implemented, maintained and effective.

Attachment C3.1
Guidance For Local Storm Water Pollution Prevention Plan
And Wet Weather Erosion Control Plan

Section 2.3.1 of this stormwater management program provided criteria for identifying Development Construction Projects. Construction projects are divided into two categories according to the amount of soil disturbance:

1. Construction projects with less than one acre of disturbed soil.
2. Construction projects with one acre and greater of disturbed soil. The category is further subdivided into two subcategories:
 - a. Construction projects between one acre and five acres of soil disturbance.
 - b. Construction projects with five acres and greater of soil disturbance.

Beginning March 10, 2003, the requirements for construction projects with five acres and greater of soil disturbance shall apply to construction projects with one acre and greater of soil disturbance.

Construction Priority Projects require the preparation of a:

- Local Stormwater Pollution Prevention Plan (SWPPP); and a
- Wet Weather Erosion Control Plan (WWECP) if the soil will be disturbed during the rainy season (October 1 to April 15).

The local SWPPP must be prepared before construction activities begin and must be implemented year-round throughout construction. A WWECP must be prepared prior to each rainy season, and must be implemented throughout that rainy season. This appendix provides guidance for preparing these plans, including sample forms that Permittees may use or provide to the construction contractor.

If a local SWPPP and WWECP are required, they may be prepared by the Permittee, the construction contractor or a consultant. Permittees may elect to determine who must prepare the local SWPPP and WWECP for specific project types. When developing a local SWPPP and WWECP, the preparer should assess site conditions, identify construction activities with the potential to cause stormwater pollution, and then identify the BMPs that will best suit the construction activities. A well-developed plan will provide sufficient detail to properly implement and maintain the BMPs, yet be sufficiently flexible to allow for minor field modifications without making formal plan amendments.

The local SWPPP and WWECP must include a site map of the project (a copy of the grading or drainage plan may be used) showing:

- The project boundary and/or limits of grading. (Permittees may elect to require site limit maps to extend 50 feet beyond property line and/or grading limits.)
- The footprint of existing facilities and facilities that will be built during construction.
- Specific locations where construction materials, vehicles, and equipment will be stored, handled, used, maintained, and disposed, along with locations of structural measures that will be used to contain these materials on site.
- The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.

- The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).
- Specific locations where erosion and sediment control measures will be installed for each permanent or temporary site drainage pattern that will occur before, during and after construction.

The plan will provide information about the project location, owner, and contractor; and include a brief narrative description on the nature of the construction activity and special site conditions, and a list of BMPs for managing targeted construction activities. The plan will also include a BMP checklist with a discussion of the reasons for selecting or rejecting BMPs such as shown in the attached example.

Suggested formats for a local SWPPP and WVECP follow.

C3.1.1 LOCAL STORMWATER POLLUTION PREVENTION PLAN

C3.1.1.1 Project Description and Information

1. The name of the project:

2. The address or location of the project:

3. The building permit number for the project:

4. The grading permit number for the project (if applicable):

5. The owner/developer's name, address, phone number and contact person:

6. Contractor's name, address, phone number and contact person:

-
7. What are the major features that the project will provide? (e.g., low density residential, commercial development, etc.)

8. What are the estimated construction start and finish dates?

Project Start Date: _____

Project Finish Date: _____

9. What are the estimated dates during which soil will be disturbed?

Start Grading: _____

Finish Grading: _____

10. Are there any unique features relating to adjacent water bodies (i.e., in or around a wetland, river, stream, or estuary)?

C3.1.1.2 Best Management Practices

Use the following tables to indicate the BMPs that will be used to control stormwater pollution. Attached additional written documentation if necessary.

C3.1.1.2.1 General Site Management

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Site Planning Considerations			
Scheduling (ESC01)			
Preservation of Existing Vegetation (ESC02)			
Construction Practices			
Dewatering Operations (CA01)			
Paving Operations (CA02)			
Structure Construction & Painting (CA03)			
Dust Control (ESC21)			
Vehicle & Equipment Management			
Vehicle & Equipment Cleaning (CA30)			
Vehicle & Equipment Fueling (CA31)			
Vehicle & Equipment Maintenance (CA32)			
Tracking Control			
Stabilized Construction Entrance (ESC24)			
Contractor Training			
Employee/Subcontractor Training (CA40)			

C3.1.1.2.2 Construction Materials and Waste Management

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Material Management			
Material Delivery and Storage (CA10)			
Material Use (CA11)			
Spill Prevention and Control (CA12)			
Waste Management			
Solid Waste Management (CA20)			
Hazardous Waste Management (CA21)			
Contaminated Soil Management (CA22)			
Concrete Waste Management (CA23)			
Sanitary/Septic Waste Management (CA24)			

C3.1.1.3 Site Map Checklist

- _____ The project boundary and/or limits of grading. (*Option: 50 feet beyond property line or grading limits*)
- _____ The footprint of existing facilities and facilities that will be built during construction.
- _____ The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.
- _____ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).
- _____ Specific locations where construction materials, vehicles, and equipment will be stored, handled, used, maintained, and disposed, along with locations of structural measures that will be used to contain these materials on site.

C3.1.2 Wet Weather Erosion Control Plan

C3.1.2.1 Project Description and Information

1. The name of the project:

2. The address or location of the project:

3. The owner's name, address, phone number and contact person:

4. Contractor's name, address, phone number and contact person:

5. What are the major features that the project will provide? (e.g., low density residential, etc.)

6. What are the estimated construction start and finish dates?

Project Start Date: _____

Project Finish Date: _____

7. What are the estimated dates during which more than 1 acre or 50,000 ft³ of soil will be disturbed?

Start Grading: _____

Finish Grading: _____

8. Are there any unique features relating to adjacent water bodies (i.e., in or around a wetland, river, stream, or estuary)?

C3.1.2.2 Best Management Practices

Use the following checklists to indicate the BMPs that will be used to control wet weather erosion and off site sedimentation. Attach additional written documentation if necessary.

C3.1.2.2.1 Erosion Control Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How If No, State Reason
	Yes	No	
Site Planning Considerations			
Scheduling (ESC01)			
Preservation of Existing Vegetation (ESC02)			
Vegetative Stabilization			
Seeding & Planting (ESC10)			
Mulching (ESC11)			
Physical Stabilization			
Geotextiles & Mats(ESC20)			
Dust Control (ESC21)			
Temporary Stream Crossing (ESC22)			
Construction Road Stabilization (ESC23)			
Diversion of Runoff			
Earth Dike (ESC30)			
Temporary Drains & Swales (ESC31)			
Slope Drain (ESC32)			
Velocity Reduction			
Outlet Protection (ESC40)			
Check Dams (ESC41)			
Slope Roughening/Terracing (ESC42)			

C3.1.2.2 Sediment Control Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Silt Fence (ESC50)			
Straw Bale Barrier (ESC51)			
Sand Bag Barrier (ESC52)			
Brush or Rock Filter (ESC53)			
Storm Drain Inlet Protection (ESC54)			
Sediment Trap (ESC55)			
Sediment Basin (ESC56)			

C3.1.2.3 Site Map Checklist

- _____ The project boundary and/or limits of grading. (Option: 50 feet beyond property line or grading limits)
- _____ The footprint of existing facilities and facilities that will be built during construction.
- _____ The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.
- _____ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).
- _____ Specific locations where erosion and sediment control measures will be installed for each permanent or temporary site drainage pattern that will occur before, during and after construction.

Attachment C3.2
BMP Selection Process For Construction Projects

In planning a construction project, the Permittee/contractor must answer three key questions with respect to stormwater quality control: (1) what kind of water quality controls are needed?; (2) where should the controls be implemented?; and (3) how much control is enough? In order to answer these questions, the Permittee/contractor should use a documentable, defensible process to identify potential water quality problems, develop design objectives, formulate and evaluate alternatives, select the most appropriate alternatives, and design the plan. A suggested BMP selection process applicable particularly to Priority Projects and General Construction Permit projects is described below.

C3.2.1 Develop Goals and Objectives

Site-specific conditions of development construction projects determine which BMPs are most applicable for a site. The BMPs selected for a site should fulfill the following goals and objectives:

- Be appropriate for the given site constraints;
- Have a beneficial or neutral impact on the environment;
- Provide moderate to high pollutant source control and/or removal capability;
- Meet regulatory requirements;
- Minimize changes in hydrological conditions; and
- Be cost effective.

C3.2.2 BMP Selection Criteria

In order to fulfill the above goals and objectives, BMPs should be selected by using appropriate selection criteria that serve to identify the capabilities and limitations of each BMP. Criteria to be considered in screening and selecting BMPs during the planning stage are:

- Site factors (e.g., slope, high water table, soils, potential risks below or downstream of site, etc.)
- Project characteristics (e.g., type, size and duration of construction)
- Pollutant avoidance (source control) or removal capability (effectiveness)
- Cost of implementation
- Environmental compatibility

These criteria may be given equal weight during the BMP selection process, or they may be weighted differentially, depending on the relative importance of each factor for the particular project.

Several general principles that should be considered in selecting erosion and sediment control BMPs include:

- Prevention of pollutant release is superior to pollutant capture later. Select source control BMPs as a first step.

- Selection of BMPs must depend on site characteristics and the construction plan.
- The proper first step is a site drainage analysis. Determine where runoff will enter, cross and exit the site.
- Divert runoff from exposed areas wherever possible.
- Existing vegetation is the most effective erosion control.
- Limit and phase clearing.
- Incorporate natural drainage features whenever possible, using adequate buffers and protecting areas where flow enters the drainage system.
- Minimize slope length and steepness.
- Keep runoff velocities low.
- Reduce the tracking of sediment off site.
- Select and install controls that can be maintained.

C3.2.3 Nominate and Evaluate Alternatives

A number of applicable BMPs have been identified in Section 2.2.2.1.5 of this document for construction projects. The BMPs were nominated from the California Stormwater Best Management Practices Handbooks. Other BMPs from other manuals and sources were also considered.

C3.2.4 Select Best Alternatives

Based on the list of recommended BMPs for construction projects provided in this program, the contractor should use the selection criteria described above to select the best alternatives for the project conditions, characteristics, and concerns. This may be done numerically, by weighting the selection criteria, rating each BMP against each criteria, and summing up a weighted rating for each BMP, which then becomes a relative ranking. Or the selection process may be done in a more subjective, non-numerical way using experience and professional judgment to select the best alternative BMPs. Either way, the contractor should document the selection process and provide support for the selected system of controls.

C3.2.5 Design, Implement, And Maintain the BMPs

After the appropriate BMPs are selected for a given project, the contractor should document those selected on the standard checklist and show the selected BMPs on the plans, as discussed in Section 3 of this document. It is important that the control measures be properly installed and maintained. Improper installation and poor maintenance are the most common reasons for stormwater controls to not function as designed. Therefore, it is incumbent on the designer to provide sufficient information in the project plans and specifications for their proper installation, and to provide adequate guidance on their proper maintenance so that the installation and maintenance procedures may be incorporated into the project SWPPP or local stormwater pollution prevention plan/wet weather erosion control plan.

Attachment C3.3
Contractor Self-Inspection Form

C3.3.1 Construction Site Inspection Checklist

Inspected By: _____

Project: _____

Contractor: _____

Date: _____

Check "Yes" or "No" or "N/A" if not applicable.

YES	NO	N/A	
_____	_____	_____	1. Has there been an absence of rain since the last inspection?
_____	_____	_____	2. Are all sediment barriers (e.g., sandbags, straw bales, and silt fences) in place in accordance with the Plan and are they functioning properly?
_____	_____	_____	3. If present, are all exposed slopes protected from erosion through the implementation of acceptable soil stabilization practices?
_____	_____	_____	4. If present, are all sediment traps/basins installed and functioning properly (if applicable)?
_____	_____	_____	5. Are all material handling and storage areas reasonably clean and free of spills, leaks, or other deleterious materials?
_____	_____	_____	6. Are all equipment storage and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious materials?
_____	_____	_____	7. Are all materials and equipment properly covered?
_____	_____	_____	8. Are all external discharge points (i.e., outfalls) reasonably free of any noticeable pollutant discharges?
_____	_____	_____	9. Are all internal discharge points (i.e., storm drain inlets) provided with inlet protection?
_____	_____	_____	10. Are all external discharge points reasonably free of any significant erosion or sediment transport? Check "Yes" or "No" or "N/A" if not applicable.

YES	NO	N/A	
_____	_____	_____	11. Are all BMPs identified on the Plan installed in the proper location and according to the specifications for the plan?
_____	_____	_____	12. Are all structural control practices in good repair and maintained in functional order?
_____	_____	_____	13. Are all on-site traffic routes, parking, and storage of equipment and supplies restricted to areas designated in the Plan for those uses?
_____	_____	_____	14. Are all locations of temporary soil stockpiles or construction materials in approved areas?
_____	_____	_____	15. Are all seeded or landscaped areas properly maintained?
_____	_____	_____	16. Are sediment treatment controls in place at discharge points from the site?
_____	_____	_____	17. Are slopes free of significant erosion?
_____	_____	_____	18. Are all points of ingress and egress from the site provided with stabilized construction entrances?
_____	_____	_____	19. Is sediment, debris, or mud being cleaned from public roads at intersections with site access roads?
_____	_____	_____	20. Does the Plan reflect current site conditions?

If you answered "no" to any of the above questions (except Number 1), describe any corrective action(s) that must be taken to remedy the problem and when the corrective action is to be completed:

C3.3.2 Inspection Log

The site shall be inspected before and after storm events with 0.5 inches or greater of actual precipitation predicted with a probability of 40% or greater and documented on the Construction Site Inspection Checklist. Incidents of noncompliance must be reported to the Engineer or designated SWPPP coordinator. A log of all inspections shall be kept current.

Attachment C3.4
Standard Permittee Inspection Forms

C3.4.1 Construction Site Inspection Checklist

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION SITES ONE ACRE AND LESS IMPLEMENTATION REPORT

Project Name/TR #: _____

Site Address: _____

Permit/Contract Number: _____

District Office: _____

CONSTRUCTION SITES ONE ACRE AND LESS - RELATED BMPs		Yes	No	N/A
1.	Attachment A on-site?	9	9	9
2.	Are eroded sediments and other pollutants retained on site and not transported from the site via sheetflow, swales, area drains, natural drainage, or wind? If No, Explain: _____ _____ _____	9	9	9
3.	Are stockpiles of earth and other construction related materials protected from being transported from the site by forces of wind or water? If No, Explain: _____ _____ _____	9	9	9
4.	Are fuels, oils, solvents, and other toxic materials stored in accordance with their listings and not contaminating the soil and surface water? If No, Explain: _____ _____ _____	9	9	9

<p>5. Is excess or waste concrete washed into a contained area and not being washed into the public way or any other drainage system? If No, Explain: _____ _____ _____ _____</p>	<p>9 9 9</p>
<p>6. Is trash and other construction related solid wastes being deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind? If No, Explain: _____ _____ _____ _____</p>	<p>9 9 9</p>
<p>7. Are sediments and other materials not being tracked from the site by vehicle traffic? Is the construction site's entrance stabilized to inhibit sediments from being deposited into the public way? Are accidental depositions swept up immediately and not washed down by rain or other means? If No, Explain: _____ _____ _____ _____</p>	<p>9 9 9 9 9 9 9 9 9</p>
<p>8. Are slopes with disturbed soils or denuded of vegetation stabilized to inhibit erosion by wind and water? If No, Explain: _____ _____ _____ _____</p>	<p>9 9 9</p>

Inspected by: _____ Date: _____
Phone: _____

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION SITES ONE ACRE AND GREATER IMPLEMENTATION REPORT

Project Name / TR #: _____

Site Address: _____

Permit/Contract Number: _____ District Office: _____

Category: **9 Medium**

(1 or more acres, and up to but less than 5 acres of disturbed soil or creating more than 40,000 square feet of impervious area)

9 Large

(5 acres or more of disturbed soil)

		Yes	No	N/A
1.	Attachment A (Storm Water Pollution Control Requirements for Construction Activities) on-site?	9	9	
2.	Attachment B (List of Best Management Practices for Construction Activity specific to site) on-site?	9	9	
3.	Attachment C (Certification) on-site?	9	9	
4.	Erosion Control Plan on-site?	9	9	
5.	Storm Water Management Plan (SWMP) on-site?	9	9	9
6.	Attachment D (Owner's NOI/SWPPP Certification Form) on-site?*	9	9	9
7.	Notice of Intent (NOI) and Storm Water Pollution Prevention Plan (SWPPP) on-site?*	9	9	9

MEDIUM AND LARGE CONSTRUCTION SITE RELATED BMPs (See California Stormwater Best Management Practices Handbook Const. Activities, March 1993 for BMP descriptions)	Legend: CE not installed properly 1 œ installed but not maintained properly 2 – installed properly, but ineffective 3 — moderately effective 4 “ very effective 5	Effectiveness Rating
Construction Practices 8. 9 CA001 Dewatering Operations _____ 9. 9 CA002 Paving Operations _____ 10. 9 CA003 Construction and Painting _____		1 2 3 4 5 CE œ – — “ CE œ – — “ CE œ – — “
Material Management 11. 9 CA010 Material Delivery and Storage _____ 12. 9 CA011 Material Use _____ 13. 9 CA012 Spill Prevention and Control _____		CE œ – — “ CE œ – — “ CE œ – — “
Waste Management 14. 9 CA020 Solid Waste Mgt. _____ 15. 9 CA021 Hazardous Waste Mgt. _____ 16. 9 CA022 Contaminated Soil Mgt. _____ 17. 9 CA023 Concrete Waste Mgt. _____ 18. 9 CA024 Sanitary/Septic Waste Mgt. _____		1 2 3 4 5 CE œ – — “ CE œ – — “ CE œ – — “ CE œ – — “ CE œ – — “

Vehicle and Equipment Management		
19.	9 CA030 Vehicle and Equip. Cleaning _____	CE œ – – “
20.	9 CA031 Vehicle and Equip. Fueling _____	CE œ – – “
21.	9 CA032 Vehicle and Equip. Maintenance _____	CE œ – – “
Vegetation Stabilization		
22.	9 ESC10 Seeding and Planting _____	CE œ – – “
23.	9 ESC11 Mulching _____	CE œ – – “
CONSTRUCTION RELATED BMPS - CONTINUED		Effectiveness Rating
Diversion of Runoff		1 2 3 4 5
29.	9 ESC30 Earth Dike _____	CE œ – – “
30.	9 ESC31 Temp. Drains and Swales _____	CE œ – – “
31.	9 ESC32 Slope Drain _____	CE œ – – “
Velocity Reduction		
32.	9 ESC40 Outlet Protection _____	CE œ – – “
33.	9 ESC41 Check Dams _____	CE œ – – “
34.	9 ESC42 Slope Roughening/Terracing _____	CE œ – – “

Diversion of Runoff			
35.	9 ESC50	Silt Fence	☒ ☐ - - "

36.	9 ESC51	Straw Bale Barrier	☒ ☐ - - "

37.	9 ESC52	Sand Bag Barrier	☒ ☐ - - "

38.	9 ESC53	Brush or Rock Filter	☒ ☐ - - "

39.	9 ESC54	Drain Inlet Protection	☒ ☐ - - "

40.	9 ESC55	Sediment Trap	☒ ☐ - - "

41.	9 ESC56	Sediment Basin	☒ ☐ - - "

Inspected by: _____ Date: _____
Phone: _____

Attachment C3.5
Site-Specific BMP Checklist

C3.5.1 Erosion Control Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Site Planning Considerations			
Scheduling (ESC01)			
Preservation of Existing Vegetation (ESC02)			
Vegetative Stabilization			
Seeding & Planting (ESC10)			
Mulching (ESC11)			
Physical Stabilization			
Geotextiles & Mats (ESC20)			
Dust Control (ESC21)			
Temporary Stream Crossing (ESC22)			
Construction Road Stabilization (ESC23)			
Diversion of Runoff			
Earth Dike (ESC30)			
Temporary Drains & Swales (ESC31)			
Slope Drain (ESC32)			
Velocity Reduction			
Outlet Protection (ESC40)			
Check Dams (ESC41)			
Slope Roughening/Terracing (ESC42)			

C3.5.2 Sediment Control Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Silt Fence (ESC50)			
Straw Bale Barrier (ESC51)			
Sand Bag Barrier (ESC52)			
Brush or Rock Filter (ESC53)			
Storm Drain Inlet Protection (ESC54)			
Sediment Trap (ESC55)			
Sediment Basin (ESC56)			

C3.5.3 Tracking Control Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Tracking Control			
Stabilized Construction Entrance (ESC24)			

C3.5.4 Non-Stormwater and Material and Waste Management Practices

BMP Description	Will BMP Be Used?		If Yes, Explain How
	Yes	No	If No, State Reason
Construction Practices			
Dewatering Operations (CA01)			
Paving Operations (CA02)			
Structure Construction & Painting (CA03)			
Vehicle & Equipment Management			
Vehicle & Equipment Cleaning (CA30)			
Vehicle & Equipment Fueling (CA31)			
Vehicle & Equipment Maintenance (CA32)			
Material Management			
Material Delivery and Storage (CA10)			
Material Use (CA11)			
Spill Prevention and Control (CA12)			
Waste Management			
Solid Waste Management (CA20)			
Hazardous Waste Management (CA21)			
Contaminated Soil Management (CA22)			
Concrete Waste Management (CA23)			
Sanitary/Septic Waste Management (CA24)			
Contractor Training			
Employee/Subcontractor Training (CA40)			