

Check List: Water Pollution Control Plan for Demolition Activities

CITY INSPECTORS' CHECKLIST FOR SITES UTILIZING A WPCP

INSPECTOR'S CHECKLISTS

- 1. WPCP REVIEW CHECKLIST**
- 2. SITE INSPECTION CHECKLIST**

WPCP REVIEW CHECKLIST

- 1. PROJECT INFORMATION**
 - A. PROJECT LOCATION
 - B. PROJECT DESCRIPTION
 - C. PROJECT SIZE
 - D. DEMOLITION SCHEDULE
 - E. SITE PRIORITY
 - F. SITE FEATURES, DEMOLITION ACTIVITIES, AND ASSOCIATED POTENTIAL POLLUTANTS
 - G. RESPONSIBILITY FOR WPCP DEVELOPMENT AND IMPLEMENTATION AVAILABILITY
 - H. AMENDMENTS
 - I. NON-STORM WATER DISCHARGES
 - J. SITE MAP DEVELOPMENT

- 2. BEST MANAGEMENT PRACTICES**
 - A. EROSION CONTROL
 - I. PHYSICAL STABILIZATION
 - II. VEGETATION STABILIZATION
 - B. SEDIMENT CONTROL
 - I. PERIMETER CONTROL
 - II. RESOURCE PROTECTION
 - III. SEDIMENT CAPTURE
 - IV. OFF-SITE SEDIMENT TRACKING
 - C. RUN-ON AND SITE STORM WATER MANAGEMENT CONTROLS
 - D. MATERIALS AND WASTE MANAGEMENT CONTROLS
 - I. SPILL CONTROL
 - II. WASTE MANAGEMENT
 - III. MATERIAL STORAGE AND HANDLING
 - IV. VEHICLE AND EQUIPMENT MANAGEMENT
 - E. NON-STORM WATER MANAGEMENT CONTROLS
 - F. PARTICULATE AND DUST CONTROL
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- 3. BEST MANAGEMENT PRACTICE MAINTENANCE AND INSPECTION**
 - A. BMP MAINTENANCE
 - B. BMP INSPECTIONS
 - I. QUALIFIED CONTACT PERSON
 - II. SELF-INSPECTIONS
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SITE INSPECTION CHECKLIST

1. BEST MANAGEMENT PRACTICES

- A. EROSION CONTROL
 - I. PHYSICAL STABILIZATION
 - II. VEGETATION STABILIZATION
- B. SEDIMENT CONTROL
 - I. PERIMETER CONTROL
 - II. RESOURCE PROTECTION
 - III. SEDIMENT CAPTURE
 - IV. OFF-SITE SEDIMENT TRACKING
- C. RUN-ON AND SITE STORM WATER MANAGEMENT CONTROLS
- D. MATERIALS AND WASTE MANAGEMENT CONTROLS
 - I. SPILL CONTROL
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- E. NON-STORM WATER MANAGEMENT CONTROLS
- F. PARTICULATE AND DUST CONTROL
- G. FINAL STABILIZATION

2. BEST MANAGEMENT PRACTICE MAINTENANCE AND INSPECTION

- A. BMP MAINTENANCE
 - B. BMP INSPECTIONS
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Table 6: Determination of Site Features, Activities, and Potential Pollutants

No.	Site Feature Question	No	Yes	If Yes, Select BMPs from Table:	Potential Pollutant Sources (add, if not listed)
1	Is there run-on to the site from surrounding areas?	<input type="checkbox"/>	<input type="checkbox"/>	14	Not applicable
2	Are storm drain inlets located within the project boundary and/or will the site discharge storm water to nearby storm drain inlets?	<input type="checkbox"/>	<input type="checkbox"/>	12 and 14	Not applicable
3	Will concentrated flows and/or large accumulations of water occur on-site?	<input type="checkbox"/>	<input type="checkbox"/>	14	Not applicable
4	Is the site adjacent to a waterway or sensitive habitat (i.e., wetland, vernal pool, etc.)? Note: additional permitting may be required.	<input type="checkbox"/>	<input type="checkbox"/>	11	Not applicable
5	Is the site likely to discharge to impaired or sensitive water bodies (tributary to a Clean Water Act Section 303[d]-listed/impaired water body segments), adjacent to or discharging directly to coastal lagoons, or other receiving waters in Environmentally Sensitive Areas (as defined in Attachment C of the San Diego Municipal Storm Water Permit, Order No R9-2013-0001)?	<input type="checkbox"/>	<input type="checkbox"/>	See Storm Water Standards	Not applicable
6	Will the site have exposed/disturbed slopes greater than 5 percent?	<input type="checkbox"/>	<input type="checkbox"/>	7, 8, 9, 10, and 12	Sediment
7	Will there be soil-disturbance activities (grading, stockpiling, trenching, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	7, 8, 9, 10, 12, and 13	Sediment
9	Will there be stockpiling (i.e., soil, concrete, solid waste, etc.) for over 24 hours?	<input type="checkbox"/>	<input type="checkbox"/>	7 and 16	Stockpiled material, <i>please specify:</i>
10	Will liquid waste be generated from this project?	<input type="checkbox"/>	<input type="checkbox"/>	15, 16, and 19	Liquid waste, <i>please specify:</i>
11	Will there be dewatering operations?	<input type="checkbox"/>	<input type="checkbox"/>	19	Dewatering water, <i>please specify:</i>
12	Will there be on-site storage of demolition or site restoration materials such as raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials?	<input type="checkbox"/>	<input type="checkbox"/>	17	Demolition materials, <i>please specify:</i>
13	Will trash or solid wastes (including landscaping wastes) be generated from this project?	<input type="checkbox"/>	<input type="checkbox"/>	16	Solid waste, <i>please specify:</i>

14	Will hazardous materials or wastes, including paint, be stored or handled on-site?	<input type="checkbox"/>	<input type="checkbox"/>	16	Hazardous material, <i>please specify:</i>
15	Will equipment and/or vehicles be stored, fueled, maintained, or washed on-site?	<input type="checkbox"/>	<input type="checkbox"/>	15, 18, and 19	Engine fluids, fuels, oil, grease, wash water
16	Will portable sanitary facilities ("Porta-potties") be used on the site?	<input type="checkbox"/>	<input type="checkbox"/>	15 and 16	Sanitary waste
17	Are underlying soils potentially contaminated?	<input type="checkbox"/>	<input type="checkbox"/>	16	Contaminated soil
18	Will dust or particulates be generated from this project?	<input type="checkbox"/>	<input type="checkbox"/>	20	Sediment, particulate demolition materials, <i>please specify:</i>
19	Other activities will be performed that are not described above?	<input type="checkbox"/>	<input type="checkbox"/>	Select applicable BMPs from Tables 7–20	<i>Please specify:</i>
20	Final stabilization of the site is required.	-	<input type="checkbox"/>	21	Not applicable

Table 7: General Erosion Control BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Scheduling/Phasing Construction	EC-1	SS-1	<input type="checkbox"/>
Minimize Slope Length and Gradient	-	-	<input type="checkbox"/>
Manage Soil Stockpiles	WM-3	WM-3	<input type="checkbox"/>

Table 8: Physical Stabilization BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Erosion Control Blankets and Turf Reinforced Mats	EC-7	SS-7	<input type="checkbox"/>
Hydraulic Mulch and Bonded Fiber Matrix	EC-3, EC-5	SS-3	<input type="checkbox"/>
Soil Binders	EC-5	SS-5	<input type="checkbox"/>
Mulch	EC-6, EC-8, EC-14	SS-6, SS-8	<input type="checkbox"/>
Compost Blankets	EC-14	-	<input type="checkbox"/>
Soil Roughening	EC-15	-	<input type="checkbox"/>
Topsoil Reapplication	-	-	<input type="checkbox"/>
Permanent Stabilization (i.e., retaining walls, rock gabions, rock riprap, etc.)	-	-	<input type="checkbox"/>
Other Material (to be approved by the City)	EC-16	-	<input type="checkbox"/>

Table 9: Vegetation Stabilization BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Preserve Existing Vegetation	EC-2	SS-2	<input type="checkbox"/>
Establish Vegetation/Permanent Landscaping	EC-4	SS-4	<input type="checkbox"/>
Streambank Stabilization	EC-12	SS-12	<input type="checkbox"/>

Table 10: Perimeter Control BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Silt Fencing	SE-1	SC-10	<input type="checkbox"/>
Gravel Bag Barriers	SE-6	SC-6	<input type="checkbox"/>
Fiber Rolls or Straw Wattles	SE-5	SC-5	<input type="checkbox"/>
Compost Socks and Berms	SE-13	-	<input type="checkbox"/>

Table 11: Resource Protection BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Linear Protection	SE-1, SE-6, SE-5, SE-13	SC-10, SC-6, SC-5	<input type="checkbox"/>
Preserve Natural Hydraulic Features and Riparian Area Buffers	-	-	<input type="checkbox"/>
Demolition Adjacent to Water	NS-15	NS-15	<input type="checkbox"/>
Temporary Stream Crossing	NS-4	-	<input type="checkbox"/>

Table 12: Sediment Capture BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Storm Drain Inlet Protection	SE-10	SC-10	<input type="checkbox"/>
Sediment Trap	SE-3	SC-3	<input type="checkbox"/>
Sedimentation Basin	SE-2	SC-2	<input type="checkbox"/>
Active Treatment System	SE-11	-	<input type="checkbox"/>

Table 13: Off-Site Sediment Tracking BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Construction Entrance/Exit Stabilization	TC-1	TC-1	<input type="checkbox"/>
Construction Road Stabilization	TC-2	-	<input type="checkbox"/>
Tire Wash	TC-3	TC-3	<input type="checkbox"/>
Street Sweeping and Vacuuming	SE-7	SC-7	<input type="checkbox"/>

Table 14: Run-On and Site Storm Water Management BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Divert Run-on from Surrounding Areas	EC-9, SE-5, SE-6, SE-13	SC-5, SS-9, SC-6, NS-5	<input type="checkbox"/>
Check Dams	SE-4	SC-4	<input type="checkbox"/>
Slope Drains and/or Stabilized Drainage Swales	EC-9, EC-11	SS-9, SS-11	<input type="checkbox"/>
Outlet Protection	EC-10	SS-10	<input type="checkbox"/>

Table 15: Spill Control BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Spill Prevention and Control	WM-4	WM-4	<input type="checkbox"/>
Reporting Significant Spills	-	-	<input type="checkbox"/>

Table 16: Waste Management BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Solid Waste Management	WM-5	WM-5	<input type="checkbox"/>
Liquid Waste Management	WM-10	WM-10	<input type="checkbox"/>
Contaminated Soil Management	WM-7	WM-7	<input type="checkbox"/>
Sanitary Waste Management	WM-9	WM-9	<input type="checkbox"/>
Concrete Waste Management	WM-8	WM-8	<input type="checkbox"/>
Hazardous Waste Management	WM-6	WM-6	<input type="checkbox"/>
Stockpiled Waste Management	WM-3	WM-3	<input type="checkbox"/>

Table 17: Material Storage and Handling BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Material Storage	WM-1	WM-1	<input type="checkbox"/>
Material Handling	WM-2	WM-1	<input type="checkbox"/>
Grinding Operations	NS-3	NS-3	<input type="checkbox"/>

Table 18: Vehicle and Equipment Management BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Vehicle and Equipment Fueling	NS-9	NS-9	<input type="checkbox"/>
Vehicle and Equipment Maintenance	NS-10	NS-10	<input type="checkbox"/>

Table 19: Non-Storm Water Management BMPs

Best Management Practices	References		Check at least one BMP
	CASQA BMP	Caltrans BMP	
Illicit Connection/Discharge Control	NS-6	NS-6	<input type="checkbox"/>
Potable Water/Irrigation	NS-7	NS-7	<input type="checkbox"/>
Vehicle and Equipment/Cleaning	NS-8	NS-8	<input type="checkbox"/>
Dewatering Operations	NS-2	NS-2	<input type="checkbox"/>

Table 20: Particulate and Dust Control BMPs

Best Management Practices	References		Check BMP, if applicable
	CASQA BMP	Caltrans BMP	
Wind Erosion Control	WE-1	WE-1	<input type="checkbox"/>

Table 21: Final Stabilization BMP

Best Management Practices	Check only one BMP
70% final cover method	<input type="checkbox"/>
Revised Universal Soil Loss Equation (RUSLE) or RUSLE2 method	<input type="checkbox"/>
Custom method that demonstrates in other manner not listed in this table that site complies with the final stabilization requirement.	<input type="checkbox"/>

Table 22: BMP Maintenance Requirements

Best Management Practices	Maintenance Requirements
Scheduling/Phasing Demolition	Periodically review schedule to determine if activity during the rainy season can be minimized.
Minimize Slope Length and Gradient	Not applicable.
Manage Soil Stockpiles	Replace compromised covers and berms. Ensure stockpiled material is within the bermed area. Store ample supplies of cover material and fiber rolls on site.
Erosion Control Blankets and Turf Reinforced Mats	Replace compromised blankets and mats. Ensure good soil contact.
Hydraulic Mulch and Bonded Fiber Matrix	Reapply if signs of erosion are observed.
Soil Binders	Reapply if signs of erosion are observed.
Mulch	Reapply where soil is exposed.
Compost Blankets	Reapply where soil is exposed.
Soil Roughening	Not applicable.
Topsoil Reapplication	Not applicable.
Permanent Stabilization (i.e., retaining walls, rock gabions, rock riprap, etc.)	Remove accumulated sediment and debris.
Other Material (to be approved by the City)	Remove accumulated sediment and debris.
Preserve Existing Vegetation	Ensure protected vegetation is clearly marked.
Establish Vegetation	Reapply seed or replant stock if vegetation does not establish.
Silt Fencing	Replace compromised silt fence. Ensure fence is trenched and backfilled. Removed sediment accumulated to 1/3 the fence height.
Gravel Bag Barriers	Replace every 2-3 months as bags degrade. Remove sediment accumulated to 1/3 the bag height.
Fiber Rolls or Straw Wattles	Replace compromised rolls. Ensure rolls are trenched in and backfilled. Remove sediment accumulated to 1/3 the roll height.
Compost Socks and Berms	Replace compromised socks. Remove sediment accumulated to 1/3 the sock height.
Linear Protection	See applicable BMPs.
Preserve Natural Hydraulic Features and Riparian Area Buffers	Not applicable.
Demolition Adjacent to Water	Empty debris-catching devices daily. Ensure collected debris is stored away from the watercourse.
Temporary Stream Crossing	Repair if signs of erosion are observed. Replace displaced aggregate from culvert inlets and outlets.

Table 22: BMP Maintenance Requirements (continued)

Storm Drain Inlet Protection	Repair compromised protection. Remove accumulated sediment and debris.
Sediment Trap	Corrective measures should be taken if the BMP does not dewater completely in 96 hours or less to prevent vector production. Repair if trap is compromised or signs of erosion are noted at the outlet. Remove accumulated sediment when it reaches 1/3 capacity.
Sedimentation Basin	Corrective measures should be taken if the BMP does not dewater completely in 96 hours or less to prevent vector production. Repair if trap is compromised or signs of erosion are noted at the outlet. Remove accumulated sediment when it reaches 1/3 capacity.
Active Treatment System	See manufacturer's recommendations and CASQA guidance.
Site Entrance/Exit Stabilization	Install prior to demolition start; replace gravel when surface voids are visible; remove post-construction.
Site Road Stabilization	Install prior to demolition start; replace gravel when surface voids are visible; remove post-construction.
Tire Wash	Remove accumulated sediment to maintain system performance. Ensure non-storm water discharges are not occurring.
Street Sweeping and Vacuuming	Implement as soon as possible upon sediment deposition.
Divert Run-on from Surrounding Areas	Ensure that diversions are effective.
Check Dams	Remove accumulated sediment and debris when it reaches 1/3 the height of the dam.
Slope Drains and/or Stabilized Drainage Swales	Replace/repair if visible signs of erosion are observed.
Outlet Protection	Remove accumulated sediment and debris when observed in protection devices.
Spill Prevention and Control	Ensure that ample supplies of spill cleanup materials are stored onsite and within vehicles and equipment.
Reporting Significant Spills	Ensure that on-site staff receives spill cleanup and reporting training.
Solid Waste Management	Arrange for waste collection as necessary; remove deposited solids in containment areas and collection devices; inspect and repair containment areas and capturing devices.
Liquid Waste Management	Arrange for waste collection as necessary; remove liquid wastes containment areas and collection devices; inspect and repair containment areas and capturing devices.
Contaminated Soil Management	Ensure that contaminated soil stored on-site is covered and bermed at all times and does not have the potential to contact storm water or groundwater.
Sanitary Waste Management	Coordinate with a local contractor for frequent inspection and maintenance.

Table 22: BMP Maintenance Requirements (continued)

Best Management Practices	Maintenance Requirements
Concrete Waste Management	Ensure adequate freeboard prior to rain events. Remove accumulated waste when 1/3 capacity.
Hazardous Waste Management	Keep storage areas clean and organized; store ample cleanup supplies on site; control storage area perimeter; repair containment structures, covers, and liners as necessary.
Stockpiled Waste Management	Ensure that stockpiled waste is covered and bermed at all times, unless actively using.
Material Storage and Handling	Store ample supplies of spill cleanup materials onsite; clean and organize storage areas; repair perimeter controls, containment structures, covers, and liners; spot check materials use throughout the demolition period to ensure proper practices are utilized.
Vehicle and Equipment Fueling	Resupply on-site spill cleanup materials; clean up spills, properly dispose of contaminated soil and clean up materials.
Vehicle and Equipment Maintenance	Inspect vehicles and equipment for leaks; if possible, prohibit washing vehicles on-site; ensure equipment wash water discharges to the sanitary sewer.
Illicit Connection/Discharge Control	Prohibit staff and subcontractors from disposing of debris on site; notify owner/operator of illicit connections or discharge incidents immediately.
Potable Water/Irrigation	Repair broken lines and correct irrigation overspray as soon as possible.
Grinding Operations	Inspect storm drains near paving to ensure their cover.
Dewatering Operations	Ensure dewatering is not causing erosion, discharges do not contain pollutants, and activities are continuously monitored.