Check List: Water Pollution Control Plan for Demolition Activities

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[WPCP Checklist](#_Toc358012542)

1. **Project Information**

The following information must be included in the WPCP and available onsite during demolition:

* 1. Project Location
	2. Project Description
	3. Project Size
	4. Demolition Schedule, with Best Management Practices (BMP) Phasing Plan
	5. Site Priority
	6. Site Features, Demolition Activities, and Associated Potential Pollutants
	7. Responsibility for WPCP Development and Implementation Availability
	8. Amendments
	9. Non-Storm Water Discharges
	10. Site Map Development
	11. Weather Triggered Action Plan (WTAP) Template
	12. Qualified Contact Person
	13. Self-Inspections Checklist
1. **Best Management Practices**

Use Table 1 to determine potential pollutant sources. Use Tables 2 – 16 to select appropriate BMPs to be implemented during demolition activities to mitigate for potential pollution sources.The following are categories of BMPs that may be implemented during the project:

* 1. Project Planning
		1. Scheduling/Phasing Plan
		2. Resource Protection
	2. Good Site Management “Housekeeping”
		1. Material Storage and Handling
		2. Waste Management
		3. Vehicle and Equipment Management
		4. Spill Control
	3. Non-Storm Water Management Controls
	4. Erosion Control
		1. Non-Vegetative Stabilization
		2. Vegetative Stabilization
		3. Dust Control
	5. Sediment Control
		1. Perimeter Control
		2. Resource Protection
		3. Sediment Capture
		4. Offsite Sediment Tracking
	6. Run-on and Site Storm Water Management Controls
	7. Final Stabilization

Table 18 describes the maintenance requirements for selected BMPs.

Table 1. Project Location and Contact Information

|  |
| --- |
| Contact Information |
| Applicant Name: For Private use Owner; For CIP use Asset Department Name | Contact Name:  |
| Mailing Address:  | City:  | State:  | Zip Code:  |
| Telephone No.:  | Email address:  |
| Project Information |
| Address:  | City:  | State:  | Zip Code:  |
| APN No.:  | City Project Tracking Number: For CIP use WBS# |
| Contractor Company Name:  | Contact Name:  |
| Address:  | City:  | State: CA | Zip Code:  |
| Telephone No.:  | Email address:  |
| Qualified WPCP Preparer: |
| Telephone No.:  | Email address:  |
| Qualified Contact Person (QCP): |
| Telephone No.:  | Email address:  |
| City Enforcement Agency Information  |
| Telephone No.: (619) 235-1000 (Storm Water Hotline)Website: Storm Water Division – Storm Water Service Request |

Table 2. 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 the site adjacent to a waterway or sensitive habitat (e.g., wetland, vernal pool, etc.)? Note: additional permitting may be required. |  |  | 3 | NA |
| 2 | Is the site likely to discharge to an ASBS? Note: additional permitting may be required. |  |  | 3 | NA |
| 3 | Will there be asphalt paving, cutting, and/or patching? |  |  | 4 | Asphalt, aggregate |
| 4 | Will there be onsite storage of construction materials such as mortar mix, raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials?  |  |  | 4 | Construction materials, *please specify:*  |
| 5 | Will there be slurries from concrete or mortar mixing, coring, or saw cutting?  |  |  | 4, 5, and 7 | Concrete materials, aggregate, slurry water |
| 6 | Will wash water or liquid waste be generated from this project? |  |  | 5, 7, and 8 | Liquid waste, *please specify:*  |
| 7 | Will there be stockpiling (i.e., soil, concrete, solid waste, etc.) for over 24 hours? |  |  | 5 and 9  | Stockpiled material, *please specify:*  |
| 8 | Will trash or solid wastes (including landscaping wastes) be generated from this project?  |  |  | 5 | Solid waste, *please specify:*  |
| 9 | Will hazardous materials or wastes, including paint, be stored or handled onsite? |  |  | 5 and 7 | Hazardous material, *please specify:*  |
| 10 | Are underlying soils potentially contaminated?  |  |  | 5 | Contaminated soil |
| 11 | Will portable sanitary facilities (“Portable toilets”) be used on the site? |  |  | 5 and 7 | Sanitary waste |
| 12 | Will construction equipment and/or vehicles be stored, fueled, maintained, or washed onsite? |  |  | 6, 7, and 8 | Engine fluids, fuels, oil, grease, wash water |
| 13 | Will there be dewatering operations?  |  |  | 8 | Dewatering water, *please specify:*  |
| 14 | Will the site have exposed/disturbed slopes greater than 5 percent? |  |  | 9, 10, 11, 13, and 14 | Sediment |
| 15 | Will dust (i.e., from grading, driving on unpaved roads, etc.) or particulates (i.e., from sandblasting, concrete cutting, painting, etc.) be generated from this project? |  |  | 12 | Sediment, particulate construction materials*please specify:*  |
| 16 | Are storm drain inlets located within the project boundary and/or will the site discharge storm water to nearby storm drain inlets? |  |  | 9, 14, and 16 (locations of protected inlets must be shown on Site Map) | NA |
| 17 | Is there run-on to the site from surrounding areas? |  |  | 16 | Sediment, other, *please specify:*  |
| 18 | Will concentrated flows and/or large accumulations of water occur onsite? |  |  | 16 | Sediment |
| 19 | Will other activities be performed that are not described above? |  |  | Select applicable BMPs from Tables 3-17 | *Please specify:*  |
| 20 | Final stabilization of the site is required.  | - |  | 17 | Not applicable |

Table 3. Resource Protection BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Linear Sediment Controls** | SE-1, SE-5, SE-6,SE-8 SE-12, SE-13 | SC-01,SC-05, SC-06, SC-08 |  |
| **Preserve Natural Hydraulic Features and Riparian Area Buffers** | - | - |  |
| **Demolition Adjacent to Water** | NS-15 | NS-15 |  |
| **Temporary Stream Crossing** | NS-4 | - |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional resource protection BMPs to be implemented: |
| Describe where resource protection BMPs will be installed: |

Table 4. Material Storage and Handling BMPs

| **Best Management Practices** | **References** | **Check at least one BMP**  |
| --- | --- | --- |
| **CASQA BMP** | **Caltrans BMP** |
| **Material Storage**  | WM-1 | WM-01 |  |
| **Material Handling and Use** | WM-2 | WM-02 |  |
| **Paving and Grinding Operations** | NS-3 | NS-03 |  |
| **Concrete Management**  | NS-12, NS-13, NS-16 | NS-12, NS-14 |  |
| **Landscape Material Management** | WM-1, WM-2 WM-5 | WM-03, WM-05 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional material storage and handling BMPs to be implemented: |
| Describe where material storage and handling BMPs will be implemented/installed: |

Table 5. Waste Management BMPs

| **Best Management Practices** | **References** | **Check at least one BMP**  |
| --- | --- | --- |
| **CASQA BMP** | **Caltrans BMP** |
| **Solid Waste Management**  | WM-5 | WM-05 |  |
| **Liquid Waste Management**  | WM-10 | WM-10 |  |
| **Contaminated Soil Management** | WM-7 | WM-07 |  |
| **Sanitary/Septic Waste Management** | WM-9 | WM-09 |  |
| **Concrete Waste Management** | WM-8 | WM-08 |  |
| **Hazardous Waste Management**  | WM-6 | WM-06 |  |
| **Stockpile Management** | WM-3 | WM-03 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional waste management BMPs to be implemented: |
| Describe where waste management BMPs will be implemented installed: |

Table 6. Vehicle and Equipment Management BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Vehicle and Equipment Cleaning** | NS-8 | NS-08 |  |
| **Vehicle and Equipment Fueling** | NS-9 | NS-09 |  |
| **Vehicle and Equipment Maintenance**  | NS-10 | NS-10 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional vehicle and equipment management BMPs to be implemented: |
| Describe where vehicle and equipment management BMPs will be implemented/installed: |

Table 7. Spill Control BMPs

| **Best Management Practices** | **References** | **Check at least one BMP**  |
| --- | --- | --- |
| **CASQA BMP** | **Caltrans BMP** |
| **Spill Prevention and Control** | WM-4 | WM-4 |  |
| **Reporting Significant Spills** | - | - |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional spill control BMPs to be implemented: |
| Describe where spill control BMPs will be implemented: |

Table 8. Non-Storm Water Management BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Illicit Connection/Discharge Detection and Reporting** | NS-6 | NS-06 |  |
| **Potable Water/Irrigation**  | NS-7 | NS-07 |  |
| **Vehicle and Equipment/Cleaning**  | NS-8 | NS-08 |  |
| **Water Conservation Practices** | NS-1 | NS-01 |  |
| **Dewatering Operations**  | NS-2 | NS-02 |  |
| If no BMPs were selected, provide explanation:  |
| Describe any additional non-storm water management BMPs to be implemented:  |
| Describe where non-storm water management BMPs will be implemented/installed:  |

Table 9. General Erosion Control BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Planning and Scheduling** | EC-1 | SS-1 |  |
| **Stockpile Management** | WM-3 | WM-3 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional erosion control BMPs to be implemented: |
| Describe where erosion control BMPs will be implemented/installed: |

Table 10. Non-Vegetative Stabilization BMPs

| **Best Management Practices** | **References** | **Check at least one BMP** |
| --- | --- | --- |
| **CASQA BMP** | **Caltrans BMP** |
| **Geotextiles and Mats** | EC-7 | SS-7 |  |
| **Hydraulic Mulch and** **Bonded Fiber Matrix**  | EC-3  | SS-3 |  |
| **Soil Binders**  | EC-5 | SS-5 |  |
| **Straw and Wood Mulch**   | EC-6, EC-8 | SS-6, SS-8 |  |
| **Compost Blankets** | EC-14 | - |  |
| **Soil Preparation/ Roughening (not a stand-alone BMP)** | EC-15 | - |  |
| **Topsoil Reapplication**  | - | - |  |
| **Permanent Stabilization (i.e., retaining walls, rock gabions, rock riprap, etc.)** | - | - |  |
| **Other Material – Non-Vegetative Stabilization (to be approved by the City)** | EC-16 | - |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional non-vegetative stabilization BMPs to be installed: |
| Describe where non-vegetative stabilization BMPs will be installed: |

Table 11. Vegetative Stabilization BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Preserve Existing Vegetation** | EC-2 | SS-2 |  |
| **Establish Interim Vegetation (Hydroseeding)** | EC-4 | SS-4 |  |
| **Establish Permanent Landscaping**  | - | - |  |
| **Streambank Stabilization** | EC-12 | SS-12 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional vegetative stabilization BMPs to be implemented: |
| Describe where vegetation stabilization BMPs will be installed: |

Table 12. Dust Control BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check BMP, if applicable**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Wind Erosion Control** | WE-1 | WE-1 |  |
| If no BMPs were selected, provide explanation:  |
| Describe any additional particulate and dust control BMPs to be implemented:  |
| Describe where particulate and dust control BMPs will be implemented:  |

Table 13. Perimeter and Linear Sediment Control BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
|  **Silt Fence**  | SE-1 | SC-01 |  |
|  **Gravel Bag Berm**  | SE-6 | SC-06 |  |
|  **Sand Bag Barrier** | SE-8 | SC-08 |  |
|  **Fiber Rolls or Straw Wattles** | SE-5 | SC-05 |  |
|  **Manufactured Linear Sediment Controls** | SE-12 | - |  |
|  **Compost Socks and Berms** | SE-13 | - |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional perimeter/linear control BMPs to be implemented: |
| Describe where perimeter/linear control BMPs will be installed: |

Table 14. Sediment Capture BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Storm Drain Inlet Protection**  | SE-10 | SC-10 |  |
| **Sediment Trap**  | SE-3 | SC-3 |  |
| **Sedimentation Basin** | SE-2 | SC-2 |  |
|  |  |  |  |
| If no BMPs were selected, explain the rationale: |
| Describe any additional sediment capture BMPs to be implemented: |
| Describe where sediment capture BMPs will be implemented/installed: |
| Describe procedures for dewatering to address vector control and for maintaining capacity of BMP: |

Table 15. Offsite Sediment Tracking BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check at least one BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Stabilized Construction Entrance/Exit**  | TC-1 | TC-01 |  |
| **Stabilized Construction Roadway** | TC-2 | TC-02 |  |
| **Tire Wash** | TC-3 | TC-03 |  |
| **Street Sweeping and Vacuuming** | SE-7 | SC-07 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional offsite sediment tracking BMPs to be implemented: |
| Describe where offsite sediment tracking BMPs will be implemented/installed: |

Table 16. Run-On and Runoff Control BMPs

| **Best Management Practices** | **References** | **Check at least one BMP**  |
| --- | --- | --- |
| **CASQA BMP** | **Caltrans BMP** |
| **Check Dams**  | SE-4 | SC-04 |  |
| **Earth Dikes, Drainage Swales, and Slope Drains** | EC-9, EC-11 | SS-09, SS-11 |  |
| **Temporary Energy Dissipation**  | EC-10 | SS-10 |  |
| If no BMPs were selected, provide explanation: |
| Describe any additional run-on and runoff control BMPs to be implemented: |
| Describe where run-on and runoff control BMPs will be implemented/installed: |

Table 17. Final Stabilization BMPs

|  |  |  |
| --- | --- | --- |
| **Best Management Practices** | **References** | **Check BMP**  |
| **CASQA BMP** | **Caltrans BMP** |
| **Final Stabilization**  | - | - |  |
| Describe final stabilization BMPs:  |
| Describe where final stabilization BMPs will be installed:  |

Table 18. BMP Maintenance Requirements

| **Best Management Practices** | **Maintenance Requirements** |
| --- | --- |
| **Planning and Scheduling**  | Periodically review construction schedule to determine if activities are up to date and disturbed areas during periods of high precipitation potential can be minimized. |
| **Resource Protection** | Not applicable. |
| **Material Storage** **and Handling** | Store ample supplies of spill cleanup materials onsite. Clean and organize storage areas. Stage materials on pallets and cover when not in use, at the end of every work day, during rain events, and at least 24 hours prior to rain, in accordance with the WTAP implementation schedule. Repair perimeter controls, containment structures, covers, and liners. Spot check materials use throughout the construction period to ensure proper practices are utilized. |
| **Paving and Grinding Operations** | Arrange for regular collection of paving wastes. Inspect storm drains near paving to ensure effective cover. If saw cutting slurry is not fully removed from vacuumed operations, the remainder shall be removed with an appropriate method until no residue is visible. |
| **Landscape Material Management** | Stage materials on pallets and cover when not in use.  |
| **Solid Waste Management**  | Waste disposal containers must be inspected for leaks on a weekly basis and must be emptied when they become 95% full. Remove deposited solids in containment areas and collection devices. Inspect and repair containment areas and capturing devices on a weekly basis. |
| **Liquid Waste Management**  | Arrange for waste collection as necessary. Remove liquid wastes in containment areas and collection devices. Inspect and repair containment areas and capturing devices. Store liquid wastes in a structurally sound and leak-free container and stored in a controlled area with perimeter controls. |
| **Contaminated Soil Management** | Ensure that contaminated soil stored onsite is covered and bermed at all times and does not have the potential to contact storm water or groundwater. |
| **Sanitary/Septic Waste Management** | Coordinate with a local contractor for routine maintenance. Ensure that sanitary/septic facilities are maintained in good working order by a licensed service.  |
| **Concrete Waste Management** | Repair concrete washout when damaged. Ensure adequate freeboard prior to rain events. Remove and dispose of hardened concrete as needed. Concrete waste facilities must be cleaned, or new facilities must be constructed and ready for use once facilities are 75% full. Inspect concrete waste facilities for damage (e.g., torn liner, evidence of leaks, signage, etc.) on a weekly basis. Repair all identified damage.  |
| **Hazardous Waste Management**  | Store all hazardous waste in watertight containers in storage areas with watertight secondary containment. Keep storage areas clean and organized. Store ample spill cleanup supplies onsite. Control storage area perimeter. Repair containment structures, covers, and liners as necessary. |
| **Stockpile Management** | Cover and berm all stockpiles at the end of every day and prior to rain. Replace damaged covers and berms. Inspect perimeter controls for soil stockpiles on a daily basis for sediment accumulation and remove when sediment is accumulated to a 1-inch or greater height. Ensure stockpiled material is within the bermed area. Store ample supplies of cover material and perimeter controls onsite.  |
| **Vehicle and Equipment Cleaning** | Store ample spill clean up supplies onsite. Clean up spills and properly dispose of materials. Ensure as little water as possible is used.  |
| **Vehicle and Equipment Fueling** | Store ample spill clean up supplies onsite. Clean up spills and properly dispose of materials. Ensure fueling is performed using drip pans or secondary containment. |
| **Vehicle and Equipment Maintenance**  | Inspect vehicles and equipment for leaks on a daily basis. Ensure maintenance is performed using drip pans or secondary containment. Drain fluids from inoperable vehicles and equipment.  |
| **Spill Prevention and Control** | Ensure that ample supplies of spill cleanup materials are available in work areas and at material staging yards.  |
| **Reporting Significant Spills** | Ensure that onsite staff receives spill cleanup and reporting training. Significant spills shall be reported as described in Section 3.2.4  |
| **Illicit Connection/Discharge Detection and Reporting** | Inspect site and notify owner/operator of illicit connections or discharge incidents immediately. Ensure construction-related materials and wastes are prevented from leaving the construction site. |
| **Potable Water/Irrigation**  | Repair broken lines and correct irrigation overspray as soon as possible. |
| **Water Conservation Practices** | Repair water equipment as needed to prevent non-storm water discharges. |
| **Dewatering Operations**  | Dewatering must be done in accordance with the *Storm Water Standards – Part 2* (2018). |
| **Geotextiles and Mats** | Replace damaged 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. |
| **Straw and Wood Mulch**  | Reapply where soil is exposed. |
| **Compost Blankets** | Reapply where soil is exposed. |
| **Soil Preparation/Roughening** | Repair and restore as applicable. |
| **Topsoil Reapplication**  | Repair and reapply as applicable. |
| **Permanent Stabilization (e.g., retaining walls, rock gabions, rock riprap, etc.)** | Remove accumulated sediment and debris. |
| **Other Material – Non-Vegetative Stabilization (to be approved by the City)** | Remove accumulated sediment and debris. |
| **Preserve Existing Vegetation** | Ensure protected vegetation is clearly marked. |
| **Establish Interim Vegetation (Hydroseeding)** | Reapply seed or replant stock if vegetation does not establish. |
| **Establish Permanent Landscaping**  | Reapply seed or replant stock if vegetation does not establish. |
| **Streambank Stabilization** | Reinstall if stabilization does not establish. |
| **Wind Erosion Control** | Ensure dust control is applied over exposed soils and in a way that avoids overwatering and oversaturation.  |
| **Silt Fence**  | Replace damaged silt fence. Ensure fence is trenched and backfilled. Inspect daily and remove sediment accumulated to 1/3 the fence height. Areas where sediment has accumulated to a height of 1-inch or greater must be removed immediately.  |
| **Gravel Bag Berm**  | Replace as bags deteriorate. Inspect daily and remove sediment accumulated to 1/3 the bag height. Areas were sediment has accumulated to a height of 1-inch or greater must be removed immediately. Sediment near and along gravel bags must be removed at the end of each day and prior to a rain event.  |
| **Sand Bag Barrier** | Replace as bags deteriorate. Inspect daily and remove sediment accumulated to 1/3 the bag height. Areas were sediment has accumulated to a height of 1-inch or greater must be removed immediately. Sediment near and along sand bags must be removed at the end of each day and prior to a rain event. |
| **Fiber Rolls or Straw Wattles** | Replace damaged fiber rolls. Ensure rolls are trenched in and backfilled in pervious areas. Inspect daily and remove sediment accumulated to 1/3 the roll height. Areas where sediment has accumulated to a height of 1-inch or greater must be removed immediately. |
| **Manufactured Linear Sediment Controls**  | Inspect daily and maintain in accordance with manufacturer’s recommendations. |
| **Compost Socks and Berms** | Replace damaged socks. Inspect daily and remove sediment accumulated to 1/3 the sock height. Areas where sediment has accumulated to a height of 1-inch or greater must be removed immediately |
| **Storm Drain Inlet Protection**  | Inspect and maintain daily and as needed. Repair damaged inlet protection. Remove sediment and debris accumulated to 1/3 the height or depth of the BMP. Areas where sediment has accumulated to a height of 1-inch or greater must be removed immediately. Sediment near and along gravel bags must be removed at the end of each day and prior to a rain event. |
| **Sediment Trap**  | Corrective measures must be taken if the BMP does not dewater completely in 96 hours or less to prevent vector production. Repair if trap is damaged or signs of erosion are noted at the outlet.  |
| **Sediment Basin** | Corrective measures must be taken if the BMP does not dewater completely in 96 hours or less to prevent vector production. Repair if basin is damaged or signs of erosion are noted at the outlet.  |
| **Stabilized Construction Entrance/Exit**  | Install prior to construction start. Replace gravel when surface voids are visible. Remove post-construction. |
| **Stabilized Construction Roadway**  | Install prior to construction start. Apply additional aggregate on gravel roads as-needed. 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 daily and as-needed. |
| **Run-on Diversion**  | Ensure that diversions are effective. |
| **Check Dams**  | Remove accumulated sediment and debris when it reaches 1/3 the height of the dam. Areas where sediment has accumulated to a height of 1-inch or greater must be removed immediately. Sediment near and along gravel bags must be removed at the end of each day and prior to a rain event. |
| **Dikes, Swales, and Slope Drains** | Monitor for erosion and clear of debris, silt, and mud after each rain event. If rilling greater than 1-inch deep occurs, the swale or dike shall be repaired within 72 hours or before the next forecasted rain even, whichever is sooner.  |
| **Temporary Energy Dissipation** | Remove accumulated sediment and debris when observed in protection devices. |