

MINIMUM BMPs

- ✓ **Spill Management:** Document spills, what caused it, what clean up measures were employed, disposal methods employed and what long term corrective measures were taken to avoid a repeat occurrence.
- ✓ **Spill Reporting:** If a spill occurs, that makes its way into the City’s storm water conveyance system (“SCS” - street, gutter, storm drains, inlets, catch basins, creeks and etcetera) immediately report it to the City.
- ✓ **Street Sweeping:** Sweep all affected areas (*i.e. sidewalks, gutters, streets*) daily (4-1.07).
- ✓ **Train & Educate:** Conduct all stormwater pollution prevention training of all subcontractors and staff before work begins on the site.
- ✓ **Water Pollution (7-1.01G):** Keep plenty of stormwater devices (*i.e. gravel bags, filter fabrics*) on site in the event of rainy weather.
- ⊖ **Never** discharge anything into a storm drain.
 - Account for a project’s interference with established drainage patterns.

PROJECT SPECIFIC BMPs

- All LUP’s will include project specific BMPs contained within the SWPPP, Caltrans SWPPP or City approved WPCP. Project specific BMPs are completely dependent upon the project and the project “Type” – 1, 2, or 3. For additional information concerning project “Type” please refer to the State Construction General Permit Order No. 2009-0009-DWQ at: http://www.swrcb.ca.gov/water_issues/programs/stormwater/construction.shtml. Some of the more common project specific BMPs may include, but are not limited to the following:
- ✓ **Chemical / Fuel Storage:** If chemicals or fuel will be stored on site plan for overhead coverage on an impervious surface with secondary containment features.
 - ✓ **Concrete Washouts:** Most LUP’s require that prefabricated concrete washouts be used or all residual concrete be taken back by the supplier.
 - Estimate and plan for appropriate number, size, and location(s) of all concrete washout location(s).
 - Concrete washouts must be lined with 10 ml plastic, and covered at the end of each day.

PROJECT SPECIFIC

- ⊖ **Never** site within 50’ of a DI or 150’ up gradient of a creek or directly over a known underground spring or seep.
 - Inspect, maintain and clean all concrete washouts weekly. Clean out when ½ full. Replace as needed!
- ✓ **Dewatering Activities:** Projects that include dewatering activities will include specifications on how the surcharge water shall be handled. This water may not be discharged into the City’s SCS without written approval from the City.
- ✓ **Slurry Disposal:** Many LUP’s create slurry which can be discharged into the project trenching upon approval.

NECESSARY BMPs

Necessary BMPs are BMPs that are not “Minimum” or “Project Specific”. These are BMPs you are required to implement to ensure that various contaminants and pollutants will not come in contact with storm water. These “Necessary BMPs” typically are driven by necessity. For example, if during a routine inspection it is discovered that additional storm drain protections are needed, then you are required to implement additional control measures to protect all potentially affected storm drains.

REMEMBER - You are the Solution to Stormwater Pollution!

To report a discharge or spill of **HAZARDOUS MATERIALS** call 911.

To report a discharge or spill of **SEWAGE** (*Known or suspected*) immediately call the City of San Luis Obispo Utilities Department at (805) 781-7215, 24 hours a day, 7 days a week.

To report a discharge or spill of **OTHER LIQUID MATERIALS** (*Non-sewage*) call (805) 781-7530 or call the City of San Luis Obispo 24-Hour Water Pollution Problem Reporting Hotline at (805) 783-7876 or visit <http://www.slocity.org/publicworks>, then stormwater to contact us electronically.

For **OTHER EMERGENCIES** call 911.

The tips contained in this brochure provide useful information to help prevent water pollution from LUP activities. If you have suggestions contact us via: <http://www.slocity.org/publicworks>, then stormwater.

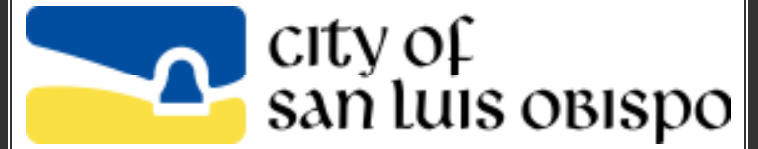
EMERGENCIES OR SPILLS

More Information Call
Stormwater - (805) 781-7530
Public Works – (805) 781-7200



Or visit our website at:
<http://www.slocity.org/publicworks>, then stormwater

(Rev 2/12/11)



BEST MANAGEMENT PRACTICES FOR PUBLIC WORKS LUP PROJECTS
(Linear Underground / Overhead Utility Projects)



Activities involving Linear Underground / Overhead Projects (*LUPs*) if not properly conducted can have deleterious effects upon our local waterways and environment. Asphalt grindings, striping residue, slurry, sediment, vehicle fluids, dust and hazardous debris from LUP projects that make their way into the City of San Luis Obispo’s storm drain system, go untreated to our local creeks and subsequently the ocean. These materials contaminate waterways and can make them unsafe for wildlife and people.

To avoid complications and other related issues follow all **Minimum, Project Specific and Necessary Best Management Practices (BMPs)** to prevent pollution and protect our waterways and public health.

More Information Call
Stormwater - (805) 781-7530
Public Works – (805) 781-7200

LUP CONSTRUCTION ACTIVITIES & WATER POLLUTION

LUP DEFINED

Projects involving Linear Underground / Overhead Projects (LUPs) typically include any conveyance, pipe, pipeline for the transportation of any gaseous, liquid (water, wastewater for municipal services); any cable line or wire for the transmission of electrical energy; any cable line or wire for communications (i.e. telephone, telegraph, radio) and associated ancillary facilities. The construction activities associated with these LUPs include activities; necessary for the installation of underground and overhead linear facilities (i.e. conduits, substructures, pipelines, towers, poles, cables, wires and etcetera) and underground mark-out, potholing, saw cutting, trenching, excavation, boring and drilling, concrete/asphalt repair or replacement, and stockpile borrow locations.

BMPs

Regardless of a projects size, whether or not a Storm Water Pollution Prevention Plan (SWPPP), a Caltrans SWPPP or a Water Pollution Control Plan (WPCP) is required, all projects must implement, maintain, clean, inspect, and repair various Best Management Practices (BMPs) throughout the course of the project. **BMPs** are procedures that help to prevent pollutants from entering our storm drains. Each of us can help to keep storm water clean. **Using BMP's adds up to a pollution solution!**

PLAN TYPE?

How do you determine whether a project will require a SWPPP, a WPCP, or some other approved plan? The specific plan type (i.e. SWPPP, Caltrans SWPPP or WPCP) required for a specific project typically shall be determined based upon the following considerations:

- ✓ If the project consists of **1 acre or more**, then a State Water Quality Control Board (SWRCB) submitted and approved SWPPP will be required, or
- ✓ If the project is **less than 1 acre**, but part of a larger project that is one acre or more, then a (SWRCB) submitted and approved SWPPP will be required, or

PLAN TYPE?

- ✓ If the project is **less than 1 acre** in size and not part of a larger project (i.e. one acre or more), then a submitted and City approved WPCP will be required, or
- ✓ If the project includes any **portion of a CALTRANS right of way**, then a CALTRANS approved SWPPP is required, or
- ✓ The “Plan Type” (i.e. SWPPP, Caltrans SWPPP or WPCP) will be established within the project specifications.

ACCOUNTABILITY

Regardless of which plan is required, no work can begin before a completed and approved plan (i.e. SWPPP, Caltrans SWPPP or WPCP) is secured. Please note that **all members of the construction team**, from the owner, developer, general contractor, sub-contractors, delivery personnel and hired help **are responsible for illicit discharges** (i.e. run-off from the construction areas). There are many practical things that all can do to prevent water pollution.

MINIMUM BMPs

The following Minimum BMPs are required:

- ✓ **Conduct & Document** all inspections, routine maintenance, cleanings and repairs in a log.
- ✓ **Delineation Equipment** and other safety equipment, including traffic control measures are required when performing work within the Public Right of Way.
- ✓ **Drain Inlets:** Identify and locate all storm drains on site, abutting the site and within 150' down gradient of the site. These locations should be denoted on any diagram or plan submitted including anticipated BMPs.
- ✓ **Drain Inlets:** Protect all drain inlets on site, abutting the site and immediately down gradient of the site with filter fabrics, drain eels or some other approved BMP (7-1.01G).
- ✓ **Drain Inlets:** Typically gravel bags should be placed before the drain inlet in an “L” pattern. Never completely surround a drain inlet with gravel bags. **Note:** Sand bags are discouraged within the public right of way.
- ✓ **Drain Inlets:** Take measures to block nearby storm drain inlets, but be cognizant of the fact that you must not cause flooding during a rain event.

MINIMUM BMPs (Cont'd)

- ✓ **Encroachment Permits:** Any work performed in the public right of way (i.e. street, sidewalk or dedicated utility easement) requires an encroachment permit (3-1.03A). Thus, contact Public Works at (805) 781-7200 to secure necessary permits.
- ✓ **Equipment Maintenance/Repair:** **Never** conduct routine maintenance or equipment repair on site, unless under cover and over an impervious surface.
- ✓ **Equipment Storage:** **Never** store or park equipment over or adjacent to a drainage inlet. Use drip pans under equipment.
- ✓ **Good Housekeeping:** Keep your site clean at all times.
- ✓ **Inspection Logs:** Maintain weekly SWPPP & WPCP inspection logs on site at all times for review.
- ✓ **Portable Toilets:** Never place a portable toilet within 50' of a storm drain or creek that is down gradient.
- ✓ **REAP:** Rain event action plans are required for all SWPPP projects for each rain event.
- ✓ **Run-on & Run-Off:** Stormwater run-on & run-off BMP's are required.
- ✓ **Scheduling:** When possible, schedule projects for dry weather.
- ✓ **Solid Waste:** Solid waste containers must be covered daily and serviced weekly. Have plenty of solid waste disposal and recycling containers on your site at all times and service them weekly. Pig pens (i.e. corral fencing for solid waste) are no longer acceptable.
 - Be sure to follow your City of San Luis Obispo Construction and Demolition Recycling Plan during the course of the project. Recycle - lumber, paper, cardboard, metals, masonry (bricks, concrete, etc.), carpet, plastic, pipes (plastic, metal and clay), drywall, rocks, dirt and green waste. For recycling and disposal information, call (805) 781-7213 or visit: <http://www.slocity.org/utilities/recycling>.
- ✓ **Spill Kits:** Have complete spill kits (i.e. absorbents, safety apparel, emergency contact numbers, report form and local agency contact information) on site at all times!
- ✓ **Spill Cleanup:** If a spill occurs clean it up immediately and temporarily block all potentially affected storm drain inlets.