Erosion Prevention

After clearing, grading or excavating, exposed soil poses a clear and immediate danger of stormwater pollution. Revegetation (permanent or temporary) is an excellent form of erosion control for any site.

Avoid excavation and grading activities during wet weather.

Construct diversion dikes to channel runoff around the site. Line channels with grass or roughened pavement to reduce runoff velocity.

Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

Remove existing vegetation only when absolutely necessary. Large projects should be conducted in phases.

Consider planting temporary vegetation for erosion control on slopes or where construction is not immediately planned.

Plant permanent vegetation as soon as possible, once excavation and grading activities are complete.

Spill Response Agencies

- To report a spill or release of hazardous material that actively threatens people or property call:
  City of Long Beach - Fire Department
  Dial 911

- To report a spill or release of motor oil, paint, solvents, or fuel in immediate danger of entering storm drain system call:
  City of Long Beach - Fire Department
  Dial 911

- If not in immediate danger of entering storm drain system call:
  City of Long Beach - Fire Department
  (562) 436-8211

- To report non-hazardous spills in sewer system call:
  City of Long Beach - Water Department
  (562) 570-2390

Storm Drains & Public Streets

- To report clogged catch basins & drains call:
  City of Long Beach - Water Department
  (562) 570-2390

- To report sediment of mud in public street or alley call:
  City of Long Beach - Department of Public Works
  (562) 570-2700

- To report trash, leaves, branches, & grass clippings in the public street or alley call:
  City of Long Beach - Department of Public Works
  (562) 570-2876

Unhealthy Discharges or Conditions

- To report discharges of food waste.
- To report discharges of sewage, greywater, dirty water, RV waste, raw sewage, or pool & pond water.
- To report discharges of stagnant pool or pond water.
- To report discharges from apartment house dumpsters call:
  City of Long Beach
  Department of Planning & Building
  Department of Health & Human Services
  Bureau of Environmental Health
  (562) 570-4129

Illicit Discharges from Private Property

- To report discharges from dumpsters on private property.
- To report discharges from washing of roofs of single family dwellings.
- To report trash & debris on privately owned property.
- To report illegal mobile car wash businesses.
- To report illegal auto repair business on private property.
- To report Auto repair on the public street.
- To report discharges from construction sites call:
  City of Long Beach
  Department of Planning & Building
  (562) 570-6651

This brochure is one of a series of pamphlets describing storm drain protection measures. Other pamphlets include:

- Automotive Maintenance & Car Care
- Food Service Industry
- Fresh Concrete & Mortar Application
- General Construction & Site Supervision
- Horse Owners & Equine Industry
- Home Repair & Remodeling
- Landscaping, Gardening & Pest Control
- Painting
- Swimming Pool, Jacuzzi & Fountain Maintenance
- Roadwork & Paving

For additional brochures call:

- City of Long Beach - Fire Department
  (562) 570-6651

- City of Long Beach - Department of Planning & Building
  (562) 570-6023

- City of Long Beach - Water Department
  (562) 570-2390

- City of Long Beach - Department of Public Works
  (562) 570-2700

- City of Long Beach - Department of Health & Human Services
  Bureau of Environmental Health
  (562) 570-4129

- City of Long Beach - Department of Planning & Building
  (562) 570-6651

- City of Long Beach - Department of Public Works
  Bureau of Engineering
  Stormwater Management Division
  (562) 570-6023

For more information about storm drain protection call:

- City of Long Beach - Fire Department
  (562) 436-8211

- City of Long Beach - Department of Planning & Building
  (562) 570-6651

- City of Long Beach - Department of Health & Human Services
  Bureau of Environmental Health
  (562) 570-4129

- City of Long Beach - Department of Planning & Building
  (562) 570-6651

- City of Long Beach - Department of Public Works
  Bureau of Engineering
  Stormwater Management Division
  (562) 570-6023
**Heavy Equipment Operation Problems**

Soil excavation and grading operations often contribute to urban runoff pollution. By loosening large amounts of soil and sediment, earth-moving activities can cause sediment to flow into gutters, storm drains and the ocean.

Sediment is the most common pollutant washed from worksites, creating multiple problems once it enters the ocean. Sediment clogs the gills of fish, blocks light transmission and increases ocean water temperature, all of which harm sea life, disturbing the food chain upon which both fish and people depend.

Sediment also carries with it other worksite pollutants such as pesticides, cleaning solvents, cement wash, asphalt and car fluids like motor oil, grease and fuel. Thus, poorly maintained vehicles and heavy equipment leaking fuel and oil at the construction site also contribute to ocean pollution.

**General Business Practices**

- Schedule excavation and grading work for dry weather.
- Use as little water as possible for dust control.

**Clean Up Spills**

- Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (saw dust, cat litter, and/or rags).
- Sweep up dry spilled materials immediately. Never attempt to bury them or "wash them away" with water.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate spill response agencies immediately. Use the telephone numbers provided on the back of this pamphlet.

**Vehicle & Equipment Maintenance**

- Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- Conduct all vehicle/equipment maintenance and refueling at one location—away from storm drains.
- Perform major maintenance, repair jobs and vehicle/equipment washing off site.
- Use gravel approaches where truck traffic is frequent to reduce soil compaction and limit the tracking of sediment into streets.
- Use drip pans or drop cloths to catch drips and spills, if you drain and replace motor oil, radiator coolant or other fluids on site. Collect all used fluids, store in separate containers and recycle whenever possible.
- Do not use diesel oil to lubricate equipment or parts.

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**Solutions**

Best management practices, such as handling, storing and disposing of materials properly can prevent excavation site pollutants from entering storm drains.