



CITY OF BURBANK

ILR400169

STORM WATER MANAGEMENT PROGRAM

Section A – General Information

The National Pollution Discharge Elimination System (NPDES) storm water discharge program Phase 1 began in 1990 and required medium and large Municipalities in urbanized areas with separate storm water and sanitary sewer systems to obtain NPDES coverage through permitting and utilization of pollution prevention planning. Phase II of the NPDES program began in March of 2003 and included small urbanized communities, such as the City of Burbank, that have separate storm and sanitary sewer systems to also obtain NPDES coverage as well as develop a Best Management Practices (BPMs) program to stop and eliminate pollution runoff into the City's storm sewer system.

The City of Burbank as well as any contractor disturbing one (1) acre of land or more during construction must obtain permitting under the NPDES general permit (ILR10) through the Illinois Environmental Protection Agency (IEPA). A Notice of Intent (NOI) must be filed with the IEPA a minimum of 30 days prior to the start of any earth disturbance activities and in addition a Stormwater Pollution Prevention Plan (SWPPP) must be submitted to the City of Burbank for approval. Erosion and sediment control measures should be noted on all site plans where soil disturbance is likely to occur. In addition, erosion control measures including Silt Fencing, Construction Entrances, Sediment Traps, Diversion Ditches, Filter Basins, and Straw Bale Barriers may need to be incorporated into a project. The site development plan should also include a schedule for final grading and permanent soil stabilization.

The City of Burbank will also be warning and or ticketing contractors performing any type of landscaping who place black dirt, sand, gravel, or any bulk mulch or other materials on any City of Burbank street as this material could be washed into the storm sewer system during a rain event. Please take note of the DO NOT DUMP – DRAINS TO RIVER medallions or open drain lids with this embossed warning that have been placed at many of the storm sewer inlets throughout the City. These are reminders that our storm sewers eventually outlet downstream to the Des Plaines River. For more information on NPDES please go to www.epa.state.il.us.

Section B – Control Measures

1. Public Education and Outreach:

- a. Publish City newsletter article regarding storm water pollution awareness.
- b. Provide informational handouts at City Hall and Building Department offices that include information on the following topics:
 - i) Storage and disposal of fuels, oils and similar materials used in the operation of or leaking from, vehicles and other equipment
 - ii) Use of soaps, solvents or detergents used in the outdoor washing of vehicles, furniture, and other property
 - iii) Paint and related décor
 - iv) Lawn and garden care, and
 - v) Winter de-icing material storage and use.
- c. Provide informational handouts at City Hall and Building Department offices to encourage green infrastructure strategies such as green roofs, rain gardens, rain barrels, bioswales, dry wells, and permeable pavement, that mimic natural processes and direct storm water to areas where it can be infiltrated, evaporated or reused.
- d. Distribute storm water pollution information to grade schools (See attached copy of book marker handout).
- e. Continued to include storm water and pollution prevention information link on City web site (See attached copy of link information).

2. Public Participation/Involvement:

- a. Schedule an annual public meeting for public input as to the adequacy of the City's MS4 program including identifying environmental justice areas with its jurisdiction.

3. Illicit Discharge Detection and Elimination:

- a. Develop, implement, and enforce a program to detect illicit discharges into the City's storm sewer (MS4).
- b. Continue digital storm sewer atlas updating as required.
- c. Partner with the South Stickney Sanitary District to detect and address any non-storm sewer discharges including illegal dumping to the storm sewer system.
- d. Inform public employees, businesses, and the public of hazards associated with illegal discharges and improper disposal of waste and the requirements and mechanisms for reporting illegal discharges
- e. Conduct periodic inspections of the Melvina Ditch Reservoir for detection of non-storm water discharges and dumping.

4. Construction Site Runoff Control:

- a. Continue to ensure that site development and other construction activities include provisions for the installation of effective erosion control and sediment controls to minimize the discharge of pollutants and that these installations are properly maintained as required by the applicable City Ordinance.
- b. Monitor construction site operators to control and prohibit non-storm water discharges including washout of concrete, drywall compound, paint, fuel and oil products, or other construction materials, or other pollutants used in vehicle and equipment operations and maintenance, soaps, solvents or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that might cause water pollution.
- c. Continue site inspections and enforcement of City Ordinances.

5. Post-Construction Site Runoff Control:

- a. Develop, implement, and enforce a program to address and minimize the volume and pollutant load of storm water runoff from new site development projects greater than or equal to one acre to protect water quality that discharge to the storm sewer system. These control measures will be subject to the authority of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) as per their Watershed Management Permit (WMP) requirements with the City responsible as the designated Permittee. The MWRDGC WMP may also require certain site developments greater than 0.50 acre to meet similar storm water runoff requirements.
- b. Develop and implement strategies which include a combination of structural and/or non-structural BMP's appropriate for all new site development projects greater than or equal to one acre. These BMP control measures will be subject to the authority of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) as per their Watershed Management Permit (WMP) requirements with the City responsible as the designated Permittee. The MWRDGC WMP may also require certain site developments greater than 0.50 acre to meet similar storm water runoff requirements.
- c. Develop and implement a program to minimize the volume of storm water runoff from public highways, streets, roads, alleys, parking lots through the use of BMP's that result in the physical, chemical, or biological pollutant load reduction, increased infiltration, evapotranspiration, and reuse of the stormwater.
- d. Provide annual training for all MS4 employees (Public Works and Building Department employees) in the routine maintenance repair or replacement of public surface in current green infrastructure or low impact design techniques applicable to such projects.
- e. Develop and implement a program to minimize the volume of storm water runoff and pollutants from existing privately owned developed property that contributes storm

water to the MS4 storm sewer system, including identifying pollution source, implementing of appropriate BMPs to accomplish the following:

- i. Education on green infrastructure
- ii. Implementation of additional controls for special events expected to generate significant pollution (e.g. fairs, parades, carnivals, performances).
- iii. Implementation of appropriate maintenance programs (including maintenance agreements for structural pollution control devices or systems).
- iv. Management of pesticides and fertilizers, and
- v. Street cleaning in targeted areas.

6. Pollution Prevention/Good Housekeeping for Municipal Operations:

- a. Develop and implement an operation and maintenance program that includes an annual training component for municipal staff to prevent and reduce the discharge of pollutants from municipal properties, infrastructure, and operations. Measures shall be designed, installed, implemented, and maintained to:
 - i. Minimize the discharge of pollutants from equipment and vehicle washing, wheel water, and other wash waters. Wash education on green infrastructure
 - ii. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, chemical storage tanks, deicing material storage facilities and temporary stockpiles, detergents, sanitary waste, and other materials present on the site to precipitation and to storm water.
 - iii. Minimize the discharge of pollutants from spills and implement chemical spill and leak prevention response procedure
- b. Provide regular inspection of municipal storm water management BMPs and make necessary repairs to ensure the BMPs are in proper working order to prevent or reduce the discharge of pollutants to the storm water sewer system.
- c. Deicing material will be stored in a permanent or temporary storage facility or tarped for seasonal storage. Storage piles will be located and managed to minimize storm water pollutant runoff. Stockpile loading and unloading will also be managed to minimize storm water pollutant runoff. Fertilizer, pesticides, and other chemical materials shall be stored indoors to prevent any discharge of such chemicals to the storm sewer system.
- d. Annual employee training shall be conducted using training materials that are available from the USEPA, IEPA or other organizations to prevent and reduce storm water pollution.