

Metropolitan Water Reclamation District of Greater Chicago

Stormwater Management Program

Annual Report for 2007



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Overview

The Metropolitan Water Reclamation District of Greater Chicago (District) assumed responsibility for stormwater management for all of Cook County, including areas that currently lie outside the District's boundaries, with the passage of Public Act 93-1049 (Act) in November 2004. This program includes the planning, design, construction, operation and maintenance of flood control facilities and related stormwater management projects.

2007 was productive for the District's Stormwater Management Program. The District achieved a major milestone with the completion and adoption of the Cook County Stormwater Management Plan (CCSMP) on February 15, 2007. This document is a high level organizational plan that describes the District's approach towards the countywide stormwater management program. Additionally in 2007, significant progress was made with the ongoing efforts in the development of the Detailed Watershed Plans (DWPs) for three of the six watersheds within the county. The DWPs are studies that will provide an assessment of current conditions, identification of stormwater problems, and recommendations of capital projects to mitigate identified regional issues. The District also expanded its successful Small Streams Maintenance Program (SSMP) to include all streams within the District's service area. In 2007, the District also started new endeavors including the Rain Barrel Program, and development of the countywide Watershed Management Ordinance (WMO).

In 2008, the District will initiate the DWPs for the three remaining watersheds within the county. In addition, we expect two of the DWPs to be completed by the end of the year. The District also plans to continue the SSMP and the Rain Barrel Program. In addition, plans for an outreach program that will include the design and installation of rain gardens at local high schools is also scheduled for 2008.

Mission and Goals

Stormwater Management Mission Statement

The mission of the countywide stormwater management program is to provide Cook County with effective rules, regulations, and projects that will mitigate stormwater effects on public health, safety, property and the environment.

Goals

The following goals have been established to support the mission of the countywide stormwater management program:

- Goal A) Protect existing and new development by minimizing the increase of stormwater runoff volume beyond that experienced under predevelopment conditions and by reducing peak stormwater flows.
- Goal B) Identify and remedy existing regional flooding problems to the extent feasible.
- Goal C) Establish comprehensive basin plans within each watershed, which quantify, plan for and manage stormwater flows within and among the jurisdictions in those watersheds.
- Goal D) Promote responsible land use practices in all areas of the watersheds of Cook County, particularly within floodplains and floodways.
- Goal E) Establish uniform, minimum, countywide stormwater management regulations while recognizing and coordinating with those stormwater programs effectively operating within Cook County.
- Goal F) Require cooperation and consistency in stormwater management activities between the government entities having stormwater jurisdiction, and clearly define the roles and responsibilities of each entity.
- Goal G) Coordinate with surrounding counties to ensure minimal negative impacts of inter-county stormwater runoff flows.
- Goal H) Coordinate with watershed councils to provide for the short and long term maintenance of natural waterways, manmade drainageways, and stormwater management facilities in new and existing developments.
- Goal I) Seek to maximize available revenue sources in undertaking comprehensive watershed planning and stormwater facility construction activities, thereby leveraging and reducing reliance on the stormwater funds raised by levy.
- Goal J) Protect existing water resources, including lakes, streams, floodplains, wetlands, and groundwater, from detrimental and unnecessary modification so that their beneficial functions are maintained and public expenditures and damages are minimized.
- Goal K) Develop and maintain a comprehensive hydrologic, hydraulic, demographic and cartographic database using the best available and most appropriate technology to manage the stormwater, flood and water quality data needs of the program.

- Goal L) Promote the awareness and understanding of stormwater management issues by the practitioner and the layperson through ongoing public information and education.
- Goal M) Reduce or mitigate the environmentally detrimental effects of existing and future runoff in order to improve and maintain water quality and protect water related environments.
- Goal N) Control sediment and erosion in and from any source, such as drainageways, developments, construction sites, and agricultural areas.
- Goal O) Consider water quality and habitat protection measures in all stormwater management activities within Cook County.
- Goal P) Preserve and enhance existing aquatic and riparian environments and encourage restoration of degraded areas.
- Goal Q) Encourage the public to consider stormwater as a resource rather than as a nuisance.
- Goal R) Manage and operate the program in an effective and cost-efficient manner.
- Goal S) Be in compliance with all applicable state and federal laws.

2007 Activities

The District's primary activities in 2007 were focused on the development of three of the six DWPs as well as development of a countywide WMO. Highlights of these activities and others accomplished in 2007 are listed below.

Cook County Stormwater Management Plan

The District assumed responsibility for stormwater management for all of Cook County, including areas outside the District's corporate limits, with the passage of the Act in November of 2004. Pursuant to the requirements of the Act, the District developed the CCSMP.

The CCSMP is a high level organizational plan wherein the framework for the District's countywide stormwater management program is presented. The CCSMP contains the mission and goals of the program, a description and gap analysis of the existing stormwater management framework of Cook County, guidelines for preparation of watershed plans and project prioritization, the framework for a countywide stormwater regulatory program, and a plan for the implementation of the CCSMP and the District's program.

The CCSMP was adopted by the District's Board of Commissioners on February 15, 2007 after a lengthy public review period. The CCSMP is posted on the District's website for viewing by the public and was distributed to all municipalities and townships of Cook County along with various agencies and stakeholders.

Watershed Management Ordinance

The District began the process of developing a Cook County WMO in 2007. The WMO will establish uniform, minimum countywide stormwater management regulations. Components which may be regulated under the WMO include drainage and detention, floodplain management, wetland protection, soil erosion and sediment control, and water quality. Other established countywide stormwater management programs, such as those managed

by the Lake County Stormwater Management Commission and the DuPage County Stormwater Management Committee, have developed ordinances which regulate these components. A more detailed discussion on the potential parameters of the regulatory program is presented in Chapter 7 of the CCSMP, which can be found on the District's website.

To facilitate stakeholder involvement in this endeavor, the District formed two committees: a Technical Advisory Committee (TAC) and a Public and Private Organization Advisory Committee (PPOAC). The purpose of the two committees is to provide input to the District during development of the WMO. The general public is encouraged to participate in the development of the WMO by attending Watershed Planning Council (WPC) meetings for their respective watersheds. A representative from the District is present at all WPC meetings to provide updates on the status of the WMO and to address any questions from the WPC membership or general public that may arise. Further information regarding the WMO and the WPC meeting schedule can be found on the District's website.

The District will conduct public hearings and provide a public review period when a draft version of the WMO is completed, which is planned for 2008.

Detailed Watershed Plans

DWPs will be produced for each of the six established watersheds in Cook County. The purpose of each DWP is to identify the stormwater related problems in a watershed, develop alternative solutions to those problems, and then evaluate the alternatives to determine those that are most effective in addressing the watershed's needs. When finalized, a DWP will contain a summary of the watershed's areas of concern, and a listing of proposed regional capital improvement projects to address those concerns.

The watershed planning process consists of several steps:

1. Gathering existing information on current watershed conditions, as well as past analyses that have been conducted.
2. Analyzing the suitability of existing information.
3. Determining what additional information is necessary but currently missing, and outlining procedures for obtaining this information.
4. Obtaining the required new data.
5. Developing hydraulic and hydrologic models of the watershed, using or updating existing models when possible.
6. Identifying potential projects to address stormwater related issues such as flooding and water quality.
7. Quantifying benefits and estimating costs of potential projects, as well as determining other non-cost factors to allow evaluation of alternative projects.

The first three steps, involving data gathering and analysis, must be completed in order to arrive at a reasonable estimate as to the scope of work and level of effort required for the remaining steps. Therefore, the watershed planning process is broken into two phases. Phase A primarily involves the information gathering tasks necessary to delineate the scope of work for Phase B, in which the generation of new data, modeling, and project development and evaluation will take place.

Work on the first three DWPs (Little Calumet River, Calumet-Sag Channel, and Upper Salt Creek watersheds) started in 2006 and continued in 2007. The first phase for each of these three studies was completed in the spring, and the second phase of these studies began in the early summer. In 2007, the District commenced negotiations with three additional engineering consulting firms to assist with the development of the remaining three DWPs.

These studies are being conducted for the Poplar Creek, North Branch of the Chicago River, and Lower Des Plaines River watersheds. Concurrent with these negotiations, the District sent a letter requesting assistance with the studies to each member of the WPCs representing these watersheds. The letter requested information on any data that a WPC member has about the conditions in a given watershed. It also afforded them the opportunity to enumerate any and all stormwater management related problems in the watershed. The collected problem area information will form the basis of our watershed investigations in Phase B of the studies.

Small Streams Maintenance Program

In 2007, the District continued the SSMP to remove debris and fallen trees that impede the flow of water in the natural streams. Services provided by the SSMP are limited to streams within the District's corporate boundaries. The Maintenance and Operations Department removed an estimated total of 17,800 cubic yards of debris from small streams in 2007. This was a 230% increase from the year 2006. The "Public Request to Clean a Small Stream" log, located on the District's web page, also proved to be successful. The District received 242 requests, an increase of nearly 400% compared to the 64 requests that the District received in 2006. There are presently 49 requests from year 2007 that are still open and these will be addressed with the 2008 SSMP contract. In 2007, the District funded \$1,000,000.00 for the SSMP contract.

Buffalo Creek Reservoir Expansion

In 1999, the United States Army Corps of Engineers (USACE) approved a study for the Upper Des Plaines River from the Wisconsin/Illinois State line to Riverside, Illinois. Known as the Des Plaines River Phase I Study, its purpose is to identify solutions to flooding along the main stem of the river. The approved plan recommends the construction of four storage facilities and two levees, including the Buffalo Creek Reservoir Expansion and Levee 37. It was later determined that flood heights downstream of Levee 37 will be increased if compensatory storage is not provided upstream of the levee. The proposed expansion of the Buffalo Creek Reservoir will provide the necessary compensatory storage required to mitigate the downstream effects of Levee 37. In addition, the expanded reservoir will provide flood control benefits for Cook County. In 2007, a consulting engineering firm retained by the Engineering Department completed a study to determine if the expansion of the Buffalo Creek Reservoir was economically feasible, and produced preliminary site plans. The District and the property owner, the Lake County Forest Preserve District (LCFPD), reached a tentative agreement for this purpose. However, negotiations reached a standstill due to a \$190,000 Federal grant LCFPD accepted through the Land & Water Conservation Act (LAWCON) Grant to pay for certain public outdoor recreational improvements at the site in 1993. Both the Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) and the National Park Service (NPS) have issued letters stating that the expansion at the Buffalo Creek Reservoir site would violate the provisions of the LAWCON Grant. Lake County has appealed this decision, and the issue was unresolved at year's end.

Upper Des Plaines River Phase II Structure Survey

The Upper Des Plaines River and Tributaries Phase II Study is being performed through a partnership with Kenosha County, Wisconsin, Lake and Cook Counties in Illinois, IDNR-OWR and USACE. The District has agreed to assist with the study for areas involving Cook County. This study is a multi-purpose flood damage reduction and ecosystem restoration planning effort for the entire Upper Des Plaines River Watershed.

In 2006, the District hired a consulting engineering firm to survey structures within the Federal Emergency Management Agency (FEMA) 100-year floodplain along the Upper Des Plaines River and its tributaries. The survey collected first floor elevations, lowest point of entry into a structure and lowest adjacent ground elevation on the property for use in an economic model to determine flood damages. The results will be incorporated by the USACE into the Upper Des Plaines River and Tributaries Phase II Study. The data acquired from this survey will also be used by the District on its Lower Des Plaines River DWP. This work was completed in the spring of 2007.

Joint Funding Agreement with the United States Geological Survey (USGS)

The District entered into a Joint Funding Agreement with the USGS in 2006 and renewed the agreement in the fall of 2007 to fund the maintenance and operation of the following eight stream gauges located within Cook County:

- North Branch of the Chicago River at Deerfield
- Salt Creek at Elk Grove Village
- Salt Creek at Western Springs
- Salt Creek at Rolling Meadows
- Deer Creek at Chicago Heights
- Butterfield Creek at Flossmoor
- Midlothian Creek at Oak Forest
- Tinley Creek at Palos Park

These stream gauges will be funded jointly by the District, USACE, IDNR-OWR and USGS into 2008.

The streamflow data collected at these sites by the USGS will be used in conjunction with USGS streamflow data at other sites funded by the USACE and other agencies under joint funding agreements. The District's participation in this USGS program will protect the integrity of data and will help in the development of valuable historical records at the gauge locations. All of the streamflow gaging stations will provide data that the District will use as it develops DWPs as part of the Stormwater Management Program.

Rain Barrel Program

In the latter half of 2007, the District developed a rain barrel program. Rain barrels can store rainwater that may otherwise overtax local sewer systems, and in a combined sewer area would eventually flow to our treatment plants and be treated unnecessarily. The rainwater stored in the rain barrels can be later used for watering lawns and gardens. Our rain barrels are required to be salvaged after other uses, rather than be manufactured for that purpose, providing another ecological benefit. The District ordered 1,000 rain barrels, and developed a website to allow residents of Cook County to order and pay for the rain barrels, and even buy rain barrel gift cards for their friends. Although the rain barrels were not available until October and the District provided minimal advertising, the District sold approximately 360 rain barrels.

Permeable Pavement Parking Lot at Stickney Water Reclamation Plant (WRP)

The District began developing plans for a pilot study to evaluate permeable pavement systems. The permeable pavement pilot study is being designed to simulate the use of different types of permeable pavement in an urban setting. The results of the study will provide valuable insight for the District with respect to the use of permeable pavement systems as a stormwater Best Management Practice (BMP), and will also provide a basis for recommending alternative paving materials for use on District facilities.

Cook County Advanced Identification (ADID) Wetland Study

In anticipation of the future WMO, the District initiated efforts to complete an ADID wetland study of Cook County. It is anticipated that through the WMO, the District will be able to protect wetlands which are beyond the jurisdiction of the United States Environmental Protection Agency (USEPA) and USACE (i.e. isolated wetlands). The ADID process involves collecting and distributing map-based information on the values and functions of wetland areas, which can be used by municipalities and developers for planning purposes. This effort can also provide better information for making permitting decisions for the USEPA/USACE and for local permitting agencies like the District.

Meetings were conducted with several federal, state, and local agencies to develop a scope of work and to seek assistance from those agencies that have been involved in previous ADID studies in other Northeastern Illinois counties. In previous regional ADID studies, the USEPA was the lead agency responsible for conducting the process. However, in Cook County it is likely that the District will need to play a more significant role and act as a lead in coordinating the efforts of other involved agencies, as well as provide the necessary funding to complete the study.

At the meetings, it was suggested that two teams be established for the Cook County ADID study: a policy team and a technical team. Members of the policy team would determine what's important to the various stakeholders within Cook County, and the technical team members would perform field work, mapping, and public outreach.

Development and Implementation of a Geographic Information System (GIS)

The District began the implementation of a GIS in the first half of 2007 to assist with the stormwater management program. A GIS is a computer system that links databases with geographical features (spatial data) to provide detailed information about the area. The GIS tool will facilitate analysis of regional watershed problems and their associated solutions, and will track information based on geographic position. Some examples of the information that may be tracked in the system include ground elevations, floodplain boundaries, and regional stormwater problem history.

The implementation project consists of developing and implementing system-wide standards, databases, spatial features (rivers, streets, municipal boundaries, etc.) and applications. The District has acquired existing data from agencies such as Cook County and IDNR-OWR to minimize the generation of new data. The project also includes training for the users and administrators of this system. Completion of GIS implementation is anticipated in early 2009.

Coordination with External Agencies and Organizations

As one of many agencies involved in stormwater management in Cook County, the District has continued to work with other agencies to coordinate efforts. Additionally, the District and other agencies seek ways to maximize the benefits resulting from expenditures through cost-sharing opportunities. In 2007, the District's Board of Commissioners adopted a policy on the use of outside organizations and agencies to assist in providing information or services to the stormwater management program. The first part of the policy allows the District to retain an outside entity through an agreement for professional services, with an appropriate fee to be paid by the District. The second part of the policy describes the conditions under which the District would participate in joint studies with the USACE. The District's participation in the joint studies with the USACE will provide the District a potential

source of federal funding for future capital improvement projects for both flood damage reduction and ecosystem restoration.

As part of its detailed watershed planning efforts, the District solicited information from external agencies and interest groups during the information-gathering phase of the DWPs for the North Branch of the Chicago River, Lower Des Plaines River and Poplar Creek. In addition, the District actively participates in various workshops and committees with other related stormwater groups and agencies.

Coordination with Watershed Planning Councils

The Act required the formation of WPCs, which serve as advisory bodies to the District for the stormwater management program. Membership of WPCs includes the chief elected official, or his or her designee, for municipalities and townships, and the Cook County Board President, or his or her designee, for unincorporated areas. In 2005, the District established WPCs for the watersheds of the North Branch of the Chicago River, the Lower Des Plaines River Tributaries, the Calumet-Sag Channel, the Little Calumet River, Poplar Creek, and Upper Salt Creek.

During 2007, each of the aforementioned WPCs met at least once each quarter, as required by the Act. WPC meetings were used as a way for representatives of municipalities and townships to learn about the progress of the DWPs, WMO, and SSMP and to communicate concerns of the public to the District. As work on the WMO and DWPs continues, the District anticipates continuing to rely on the WPCs for input from the public on these key aspects of the stormwater management program.

The Act states that the following Councils of Government (COGs) shall be responsible for coordination of the WPCs: Northwest Municipal Conference (NWMC), West Central Municipal Conference (WCMC), South Suburban Mayors and Managers Association (SSMMA), and Southwest Conference of Mayors (SWCM). In 2006, the District negotiated agreements with each of the COGs to provide administrative assistance related to coordination with the WPCs for a three-year period from 2007 through 2009. In 2007, COGs assisted the District by arranging meeting schedules, drafting and distributing meeting agendas, distributing information from the District to WPC members, assembling contact information for WPC representatives, and forwarding project requests from the WPC members to the District.

Public Information

The District developed a brochure which describes the District's stormwater management program. The brochure has been distributed to the public at various events and is available for viewing on the District's website. In addition, the District hired an Assistant Public Information Representative in 2007. This individual has attended WPC meetings and has started to investigate possible improvements to the stormwater management portion of the District's website.

District Engineering Department staff provided information about the Stormwater Management Program at various public events in communities throughout the region. As mentioned above, the District attends all WPC meetings to provide updates on watershed planning efforts, development of the countywide ordinance and stream maintenance activities. These meetings are open to the public and provide an opportunity for concerns of the public to be communicated to the District.

Anticipated Activities for 2008

In 2008, the District plans to complete two of the six watershed plans in addition to continuing the work on the WMO. Among other efforts, the District will continue the Rain Barrel Program and the SSMP.

Some key activities forecasted for 2008 are as follows:

Watershed Management Ordinance

Development of the WMO will continue and working meetings with both the TAC and PPOAC will continue during 2008. It is anticipated that the public review period for the draft ordinance will begin in late 2008. Further information on the WMO can be found within the WMO discussion located under 2007 Activities and on the District's website.

Detailed Watershed Plans

DWPs for the Upper Salt Creek and Calumet-Sag Channel watersheds are expected to be completed in 2008. Work on the Little Calumet River DWP will continue throughout 2008 and is expected to be completed in 2009. Phase A for the remaining three DWPs will be conducted in the first few months of 2008. Work on Phase B of the remaining three DWPs is expected to begin in the summer of 2008. With the completion of two DWPs in 2008, it is likely that capital improvement projects will be presented to the Board in 2008 for consideration of funding.

Capital Improvements Program

The prime objective of the DWPs will be the determination of capital improvement projects, along with their associated benefits and costs, to help alleviate existing stormwater management concerns. The District will prioritize, for funding purposes, potential projects arising from the DWPs on a countywide basis. Until the DWPs are completed, the District may provide funding for projects which provide regional benefits, meet all of the District's other minimum project requirements, and have been studied and approved for funding by state or federal agencies such as the IDNR-OWR and the USACE.

One particular capital project under consideration is the expansion of the Buffalo Creek Reservoir. As mentioned previously, Lake County is in the process of appealing the IDNR-OWR and NPS decision that expansion of the Buffalo Creek Reservoir would violate provisions of the LAWCON grant. The District is assisting Lake County in this appeal, and in early 2008 will work to revise the project agreement in an attempt to resolve the issue to the satisfaction of the IDNR-OWR and NPS. If the LAWCON issue can be resolved favorably, final design of the project will be initiated by the District in 2008. If the project is not approved, the District is committed to provide the necessary compensatory storage required for the construction of Levee 37 at an alternate location. Preliminary investigations for alternate sites are underway.

Expansion of the Small Streams Maintenance Program

In early 2008, the Maintenance and Operations Department will issue the Small Streams Maintenance Contract. The contract is divided into two groups, one for labor and small winching and grapple equipment and the other for long-boomed heavy equipment. A scope of work for general stream maintenance is outlined in the contract. A majority of the contract funds allocated are anticipated to be utilized for blockage removal. In 2008, the funding for

the contract will be increased to \$2,159,000.00. Maintenance and Operations personnel will continue to respond to requests and remove blockages in 2008.

Joint Funding Agreement with the USGS

The District will continue support of the maintenance and operation of eight streamflow gaging stations located within Cook County through a joint funding agreement with the USGS. The District plans to renew this agreement in the fall of 2008 for the 2008/2009 year.

Implementation of a Rain Garden Demonstration Program

The District is planning to initiate a Rain Garden Demonstration Program that will be managed by the Engineering Department and funded through the Stormwater Management Fund. This proposed community outreach program will be designed to educate the public on the benefits of rain gardens, as a stormwater management practice that can be applied at a local level.

Under the proposed program, the District will fund this project at high schools within Cook County for the design and installation of rain gardens. As a condition of this program, the District is expecting the high schools to maintain the rain gardens and make the projects an educational opportunity for the students and the community. Work on this program is anticipated to begin in 2008.

Rain Barrel Program

The District has implemented a monthly program to distribute rain barrels at each of our three major treatment plants starting in February of 2008. Additional rain barrels will be ordered and a widespread advertising campaign will be implemented. Stickers with the District logo will now be affixed to all of our rain barrels.

Permeable Pavement Parking Lot at Stickney WRP

In 2008, the District will install permeable pavement test plots in the employee parking lot area at its Stickney WRP. Monitoring devices will be installed to evaluate and compare the runoff response and pollutant removal performance of permeable pavement systems. The District's Research and Development Department will analyze the results of the monitoring.

Cook County ADID Wetland Study

In order to better define the scope of work for this effort and the level of involvement for the partnering agencies, preliminary data is being assembled to determine the breadth of the work in comparison to previous ADID studies. The District is continuing to work with the various partnering agencies to assemble preliminary information for use in performing desktop screening using GIS.

Once the desktop analysis is completed, and the scope of work has been defined, the District will coordinate efforts to perform field inspections of wetland areas throughout the county. If necessary, inter-agency agreements will be prepared to ensure firm commitments for assisting with the ADID study.

Development and Implementation of GIS

Implementation of the Stormwater GIS will continue through 2008, with anticipated completion in 2009.

Public Information

The District will continue participating in all WPC meetings to communicate progress on all stormwater initiatives and to receive input from the public. The District's Public Affairs Office and Information Technology Department will enlist the assistance of a consultant to update and improve the District's website, including the Stormwater Management web page. The proposed Rain Garden Demonstration Program will include a public outreach component. The District will develop brochures describing the benefits of rain gardens and guidance for installation. Schools at which rain gardens are installed will be asked to have brochures available to the public. The District will continue to provide information about the Stormwater Management program at various events including the 2008 Annual Conference of the Illinois Association for Floodplain and Stormwater Management and the 2008 Chicago Wilderness Linking Watersheds Conference, for which the District will serve on the planning committee.

Expenditures

Category	Description	2007 Expenditures
Personal Services: Consultant	Fees paid to consultants for professional services rendered, including the following projects: Regulatory Ordinance Development Detailed Watershed Plans Professional Services Consultant for GIS Buffalo Creek Reservoir Feasibility Study Upper Des Plaines River Structure Survey	\$2,690,628 \$637,668 \$1,782,612 \$158,656 \$28,008 \$83,684
Personal Services: In House	Salaries and associated costs related to District personnel: General Administration Department Engineering Department Maintenance and Operations Department	\$3,374,966 \$33,273 \$1,227,395 \$2,114,298
Contractual Services	Fees paid for services provided by COGs, agencies or companies, including the following: COGs Administrative Contracts: Northwest Municipal Conference South Suburban Mayors and Managers Association Southwest Conference of Mayors West Central Municipal Conference Small Streams Maintenance Program Court Reporting Services USGS Joint Funding Agreement for Stream Gaging Stations in Cook County Miscellaneous Contractual Services	\$1,250,532 \$5,391 \$12,476 \$50,000 \$9,226 \$999,904 \$7,040 \$41,625 \$124,870
Administrative Expenses	Materials, equipment and supplies: Materials, equipment and supplies	\$94,194 \$94,194

Total 2007 Expenditures	\$7,410,320
2007 Appropriation	\$24,499,600
Net Assets Appropriable for 2008	\$17,089,280

Acronyms

Act	Public Act 93-1049
ADID	Advanced Identification
BMP	Best Management Practice
CCSMP	Cook County Stormwater Management Plan
COG	Council of Government
DWP	Detailed Watershed Plan
FEMA	Federal Emergency Management Agency
GIS	Geographic Information System
IDNR-OWR	Illinois Department of Natural Resources – Office of Water Resources
LAWCON	Land & Water Conservation Act
LCFPD	Lake County Forest Preserve District
NPS	National Park Service
NWMC	Northwest Municipal Conference
PPOAC	Public and Private Organization Advisory Committee
SSMMA	South Suburban Mayors and Managers Association
SSMP	Small Streams Maintenance Program
SWCM	Southwest Conference of Mayors
TAC	Technical Advisory Committee
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WCMC	West Central Municipal Conference
WMO	Watershed Management Ordinance
WPC	Watershed Planning Council
WRP	Water Reclamation Plant