

Memo

To: Trustee Knoop
From: Robert Kosin
CC: Village President, Board of Trustees
Date: June 25, 2010
Re: Stormwater Management

The attached memo from the Village Engineer, describes the expansion by state and county of their regulations of stormwater management to include certain activities within the Village of Barrington Hills.

These regulation are expected by those agencies to be adopted by the Village and to that end, it is proposed that a presentation be made to the Plan Commission with a recommendation to the Board of Trustees.

MEMORANDUM

To: Robert Kosin, Village of Barrington Hills

From: Daniel J. Strahan, P.E., CFM
Gewalt Hamilton Associates

Date: June 24, 2010

Re: Village Board of Trustees
Stormwater Management Program- NPDES
Stormwater Management Permitting Authority- Lake County SMC

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Two items involving stormwater management will be presented for discussion at the June 28th meeting of the Board of Trustees. The first item involves the adoption of a Storm Water Management Program as required by the USEPA, with the intention of reducing the discharge of pollutants within storm water runoff. The second item involves the adoption of the Lake County Watershed Development Ordinance (WDO), which ultimately would allow the Village to administer the countywide stormwater permitting programs that are currently administered at the county level. A summary of each item is provided below:

Storm Water Management Program- NPDES Requirements

Federal environmental regulations based on the 1972 Clean Water Act (CWA) require that MS4s, construction sites and industrial activities control polluted storm water runoff from entering receiving bodies of water (including navigable streams and lakes). The NPDES permit process regulates the discharge from these sources based on amendments to CWA in 1987 and the subsequent 1990 and 1999 regulations by the U.S. Environmental Protection Agency (USEPA). In Illinois, the USEPA has delegated administration of the Federal NPDES program to the Illinois Environmental Protection Agency (IEPA).

In order to meet the standards of the NPDES Phase II program, the Village of Barrington Hills will need to adopt a Storm Water Management Program (SWMP). The SWMP describes the procedures and practices that are implemented by the Village of Barrington Hills toward the goal of reducing the discharge of pollutants within storm water runoff in order to comply with Federal standards. Our office has prepared a draft SWMP identifying how the Village can manage, monitor, evaluate, and report best management practices in six different categories:

- Public Education and Outreach,
- Public Participation/Involvement,
- Construction Site Runoff Control,
- Post-Construction Runoff Control,
- Illicit Discharge Detection and Elimination, and
- Pollution Prevention/Good Housekeeping.

Marcy Knysz of our office will be present to present an overview of the SWMP.

Storm Water Management Permitting Authority- Lake County WDO

As discussed previous, currently the stormwater management elements of construction activities such as subdivisions and single family home construction are governed by countywide ordinances in Kane, Lake, and McHenry Counties, while Cook County is currently developing a countywide ordinance. At the April Board meeting, we recommended that the Village consider adopting the Lake County ordinance and apply these regulations throughout the Village through intergovernmental agreements with the other counties in order to establish uniformity within the Village as well as to ensure a high level of service to residents seeking permits.

On Monday, June 14th, 2010 our office and Village staff met with representatives of the Lake County Stormwater Management Commission (SMC) to discuss the process by which this could occur. The initial step in this process would be for the Village to adopt the Lake County WDO within the entire Village. Lake County has an existing governmental agreement with McHenry County which allows any municipality located within both counties to adopt the Lake County WDO for the entire Village; therefore, adoption of the ordinance would immediately cover both Lake and McHenry Counties. Cook County would be covered initially as there is currently no countywide ordinance in effect; further discussion would be needed with Cook County to ensure that the Lake County WDO will be sufficient once the county adopts their ordinance, most likely in 2011.

In order to adopt the Lake County WDO, several section of the Village Ordinance would need to be modified to remove contradictory language. We recommend that a thorough review of the Village Code be completed prior to adopting the WDO to ensure that no conflicts would remain regarding permitting thresholds and requirements.