Polluting rain water creates new waves in water management

By SHERRY KAHAN

Rain water refreshes the soil. But as it runs off the land, buildings, parking lots and streets, it carries pollutants into streams, rivers and lakes.

This situation was troubling water experts who met recently at School-This situation was troubling water experts who met recently at School-craft College to immerse themselves in stormwater management prob-lems. It is a topic that several years ago may have been expected to draw

lems. It is a topic that several years ago may have been expected to draw 10-20 people to a meeting. But today with reports of contaminated water in this area, plus awarenees that water gets so full of saud, etc. for fertilizer and title, the solid participant that contained close to 200 participants. Among those on hand were G.E. Siemert, city engineer of Livonia, his assistant, Gary Clark; and Ken West, head of Plymouth's building department. A delegation from Plymouth Township included Lee Fidge, township trustee. Thomas Hollis, water and sewer superintenent, Mike Bailey, township from the properties of the properties of the streets and sewers to present the properties of the streets are superintenent. Mike Bailey, township from the properties of the properties of the streets of the stre

any eigenteen and open and the department inspector.

The event was sponsored by the Michigan State University Institute of Water Research together with the Rouge River Watershed Council, whose the department of civil and sanitary to the state of the council of

IN HIS REPORT W. David Morrison Jr., environmental planner with SEM-COG, indicated that his organization had found "evidence that urban storm water was a major pollutant source in southeast Michigan."

engineering at Michigan State University.

"In the modern era, this blind approach is no longer acceptable," he continued. "Pollutants carried by stormwater can severely degrade was trequality, in some cases, stormwater pollutants may be the major causes of low water quality, in some cases, stormwater pollutants may be the major causes of low water quality, in some cases, stormwater pollutants may be the major causes of low water quality in some cases, stormwater pollutants on a varied bame for these pollutants on a variety of sources. As it hurries toward the storm drains, water picks up chemicals used to kill weeds and pests, and it sweeps up salt laid down for ice control.

It pulls with it oil dropped by milions of vehicles, or poured down the nearest drain by a home mechanic. Leaves, animal droppings, hosphates in detergents and fertilizers flows into rivers and lakes where they permit algae to grow. This chokes the water and causes most marine life to die off.

The residue of Michigan rich industrial title also can be carried into the low of the country. Morrison pointed out that policies being tested included techniques for street sweeping, catchive in southeast Michigan and other parts of the country. Morrison pointed out that policies being tested included techniques for street sweeping, catchive in southeast Michigan and other parts of the country. Morrison pointed out that policies being tested included techniques for street sweeping, catchive in southeast Michigan and other parts of the country. Morrison pointed out that policies being tested included techniques for street sweeping, catchive in southeast Michigan and other parts of the country. Morrison pointed out that policies being tested include techniques for street sweeping, catchive in southeast Michigan and other parts of the country. Morrison pointed out

Jr., environmental planner with SEMCOG, indicated that his organization
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southeast Michigan."
He also mentioned studies being done
the date of the company of the company

them on some roads under its jurisdiction.

The Detention basins are also used in the area, more to prevent flooding than as pollution catchers. One was built in Livonia when it was recognized that development a tis will be and known from the points roads would mean rain water would no the downriver area.

The Detroit Water and Sewerage Demander and the substitution of the form three points road water from three points road water from the points road water from the points road water from the points road would mean rain water would no the others in the Detroit River. One of the constituents of your points road would mean rain water would no the downriver area.

'Pollutants carried by stormwater can severely degrade water quality. In some cases, stormwater

pollutants may be the major

John Eastman,

assistant professor

longer be able to soak into the vacant lands. Cording to Siemert, it was built to hold the tunoff from nearby School-craft College, while the Laurel Park runoff made its way down the drains. He added that developers worked on the pond with the college biology department, which will study its effectiveness.

Plymouth Township also slows up its runoff with a detention pond in Township Park. Smaller ponds exist in several subdivisors throughout the area.

TO WATER experts, pollutants can mean anything that has a bad effect on water. This could refer to suspended solds like sand and clay that can smother fish eggs, or phesphates that cause algae to grow, as well as more too substabilic, pollutants often means stock materials which also mean question regarding he effect these pollutants are having on drinking water.

In an interview, Henry Lane, chief of water treatment for Detroit, said that the condition of water is from 64-75 percent better now that it was 15 years ago.

The Detroit Water and Sewerage Department supplies the area with tis drinking water from there points—

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