



**PIMA COUNTY
REGIONAL FLOOD CONTROL DISTRICT**
97 EAST CONGRESS STREET, THIRD FLOOR
TUCSON, ARIZONA 85701-1797

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March 13, 2007

Engineering Community

Subject: Release of PC-HYDRO V5

To Whom It May Concern:

The Pima County Regional Flood Control District (District) is releasing PC-HYDRO V5, a Windows-based implementation of the Pima County Hydrology Procedures. This release supersedes the 1979 Pima County Hydrology Manual. Though there have been previous versions of the PC-HYDRO program, PC-HYDRO V5 is the first computerized version of the Pima County Hydrology Procedures developed in collaboration with the District.

In coordination with the release of PC-HYDRO V5, I am introducing Tech Policy Tech-010 requiring the use of NOAA 14 Upper 90% rainfall for all drainage reports and hydrologic studies submitted for District approval. This rainfall shall be used regardless of which model is used. However, PC-HYDRO incorporates the upper 90% rainfall values in the NOAA 14 rainfall atlas, so it meets this requirement. Otherwise, it implements the Pima County Hydrology Procedures consistent with the methods described in the 1979 manual with the same guidance for selection of parameter values.

PC-HYDRO V5 has gone through extensive review. Users across the engineering community submitted comments that were used to revise and improve the program and accompanying User Guide. The District supports a web page for PC Hydro: <http://rfcd.pima.gov/manuals/pchydro.htm> in addition to the MapGuide site with supporting spatial data: <http://www.dot.pima.gov/gis/maps/pchydro/>.

PC-HYDRO V5 may be obtained in three ways:

1. As a download from the PC Hydro website at: <http://rfcd.pima.gov/manuals/pchydro.htm>,
2. As a manual with a DVD from the District for \$30.00, or
3. As a stand-alone DVD from the District for \$5.00.

While PC-HYDO is not mandatory, the District strongly recommends its use. Other prediction methods for estimating flood peaks will be accepted, provided they meet with the prior approval of the District.

Sincerely,

A handwritten signature in black ink, appearing to read "S Shields".

Suzanne Shields, P.E.
Director and Chief Engineer

SS/tj