

# GUIDELINES

## DIVISION OF SANITATION FACILITIES CONSTRUCTION

Office of Environmental Health and Engineering  
Navajo Area Indian Health Service  
Window Rock, Arizona

### CHAPTER 5--Service Policies

Section 3: Flow Meters for Large Water Users  
Guideline No. 5.3 (99-09)  
October 1, 1999

Supersedes: G 5.3 (96-7), G 5.3 (89-10), G. 80-10

Distribution: Standard List

This guideline relates to the installation of large capacity water meter stations by the IHS in the course of its P.L. 86-121 construction activities.

In the past large water users, such as schools, have requested the NTUA or the IHS to install a water meter to handle high flows, including those anticipated for fighting a fire on the premises (fire flows). The IHS/NECA Standards Committee developed a standard flow metering station design (see IHS Standard Drawing W-8) for these applications.

When an organization requests such an installation by the IHS, three conditions must be met prior to the committing to perform the work:

1. The proposed work must be reasonably related to an on-going or proposed P.L. 86-121 construction project;
2. The installation will be according to the IHS/NTUA Standards Committee design; and
3. The organization contributes in advance, to the IHS, the total estimated cost of the materials and labor required for constructing the metering station.

If these conditions are not possible or acceptable, a school or other organization is free to seek construction of the needed facilities through the NTUA (usually the water system operator) or through an independent construction contractor. However, for NTUA systems, the flow metering station must be according to the adopted standard design.

If the IHS does proceed to construct the metering station, the Project Engineer shall be responsible for assuring there is documentation in the project file verifying that the Project Engineer has informed the owner and the system operator (e.g., NTUA) that the installation will either meet the needs of the owner (flow, pressure, volume, etc.) or that the owner and the system operator have been advised of the capabilities and limitations of the proposed metering installation.

APPROVED BY:

A handwritten signature in black ink, appearing to read "C. Lewis Fox, Jr.", written over a horizontal line.

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C. Lewis Fox, Jr., P.E., Director  
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