

ADMINISTRATOR'S MEMORANDUM

App. Processing No. 25

TO: Water Allocation Section and Regional Offices

FROM: Norman C. Young *NCY*

DATE: January 27, 1981

RE: Measuring Device Requirement Guidelines for Applications For Permit.

Measuring device requirements to be applied to new applications for permit should be based on the Measuring Device Condition Flowchart, attached.

Note that the flow chart uses 0.70 cfs as a minimum rate of flow for the access port requirement. This flow was computed as the lowest design flow for a 6" diameter pipe\*.

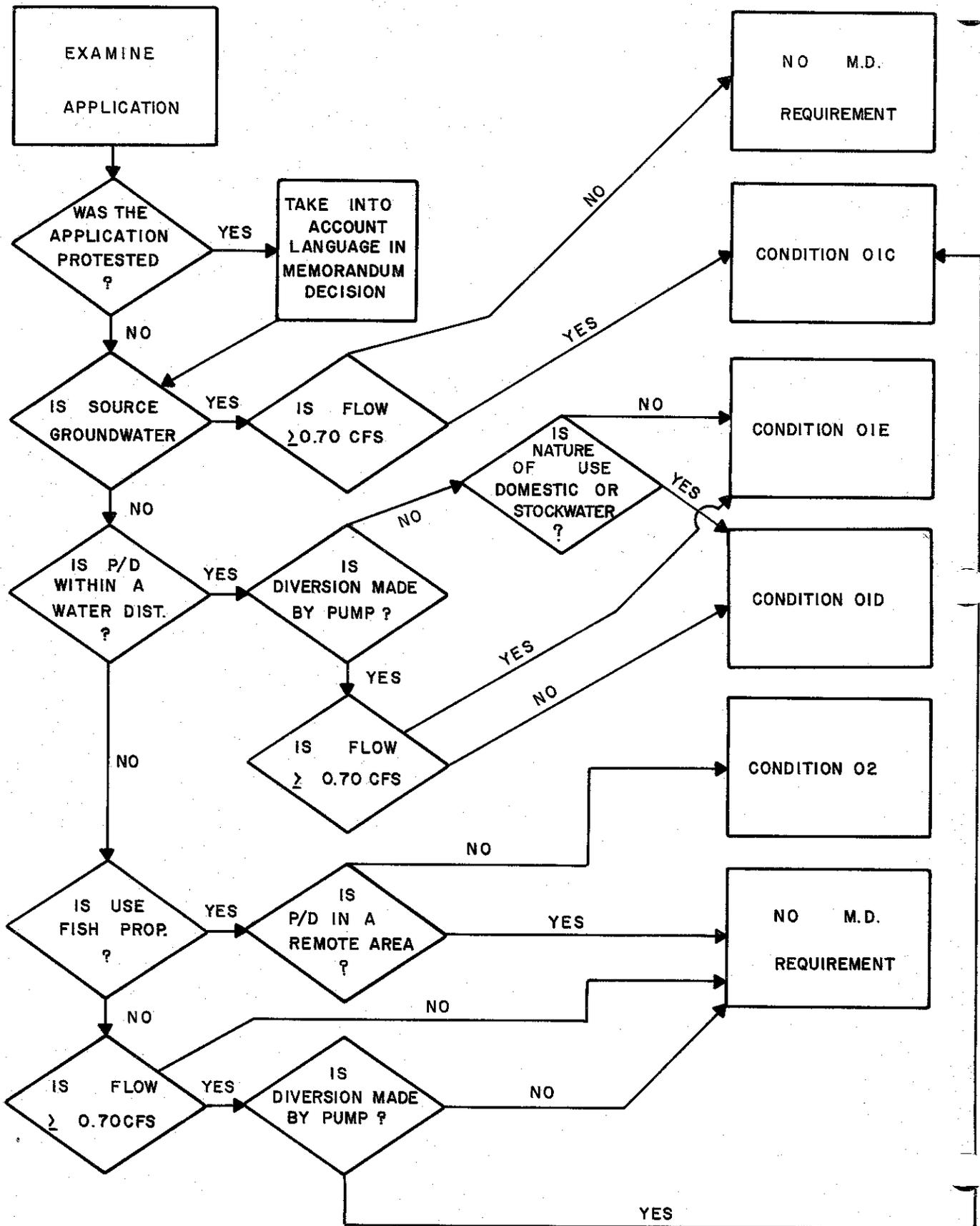
The regional office staff should place the appropriate condition of approval code on the staff analysis sheet prior to sending a new water right application to the state office for final action.

The regional office supervisor retains the authority to recommend a measuring device condition that departs from the guidelines herein, based on unique circumstances (e.g. an exchange application for permit or a surface water diversion not within a water district where the flow is greater than 0.70 cfs and is pumped but would be more amenable to a spurling meter than an access port.)

\*Pipe of 6" diameter or greater is used when the velocity in the next smaller pipe (5") exceeds 5 feet per second.

$$\left[ 2\frac{1}{2} \text{ inch radius} \times \frac{1 \text{ foot}}{12 \text{ inches}} \right]^2 (\pi) (5\text{fps}) = .68 \approx 0.70 \text{ cfs}$$

# MEASURING DEVICE CONDITION FLOWCHART



CODECONDITION

- 01 A measuring device of a type approved by the Department shall be permanently installed and maintained as part of the diverting works.
- 01A For licensing purposes, a scientific measurement of the diversion rate of the system as it is normally operated shall be provided by either properly installing an approved type of measuring device or by having a professional engineer certify the rate of diversion to the Department prior to submitting proof of beneficial use of water.
- 01B The permit holder shall either install a measuring device or provide a certified measurement by a professional engineer or install an access port or other device as specified by the Department.
- 01C An access port or measuring device acceptable to the Department shall be installed by the permit holder to provide for the determination of the rate of diversion by the Department.
- 01D A lockable device, subject to the approval of the Department, shall be installed on the diverting works in a manner that will provide the watermaster suitable control of the diversion.
- 01E A measuring device and lockable controlling works of a type acceptable to the Department shall be permanently installed and maintained as part of the diverting works.
- 02 Measuring devices of a type approved by the Department shall be permanently installed and maintained at the point of diversion and the point of effluent discharge.

Each of the above are currently used except for conditions 01, 01A and 01B, which are obsolete but are included because they are shown on some existing permits.