A Note on Leakage Diagnosis for an Irrigation Network

T. MARZOUGUI S. BENELGHALI R. OUTBIB F. DOUMENC
LSIS, Aix-Marseille University LSIS, Aix-Marseille University LSIS, Aix-Marseille University Canal of Carpentras Marseille, France Marseille, France France Carpentras, France taher.marzougui@lsis.org seifeddine.benelghali@lsis.org rachid.outbib@lsis.org canal.carpentras@wanadoo.fr

Abstract—This note is a contribution to the problem of leakage detection in irrigation networks. The main goal is to reduce the lost water due to the leakages. This lost water represents a source of useless electrical energy spending. The problem is tackled by using water volume-balance method. The considered case study concerns the irrigation network of Carpentras, situated in south of France.
Keywords—pressurized irrigation networks; leakage localization; system surveillance; diagnosis

REFERENCES