

## LEAK REMEDIATION PLANS

### Republican Water Collection System

(Fix Sec. 2 meter shed 10-19-15)

Initial spill Doc # 400922209

The repair to the poly pipe was completed 10-28-15. A bad poly fuse was the cause of the leak. It appears the electrofusion did not hold. There were 3 poly fuses in the affected poly line and all 3 were removed, re-fused (via electrofusion) and re-tested.

Per the attached soil analysis the EC and SAR levels are outside the allowable limits of Table 910-1.

The location has been treated with 300 lbs. of Agricultural grade pelleted gypsum and will be monitored for erosion and weed growth. We will take EC readings at approximately 60 day intervals on the affected area to verify the gypsum is working and will provide moisture if rainfall is not sufficient to help activate the gypsum.

Once the EC reading at the 6" depth is at an acceptable level we will start to probe deeper until the EC reading is acceptable at the 3' depth. We will then take a full soil analysis at the 3' depth.

Should the full soil analysis fall within the allowable limits of Table 910-1 we will continue to monitor the affected location for regrowth and erosion. Once the regrowth is back to 80% we will request closure.

Should the analysis results be above the allowable limits of Table 910-1 we will irrigate with water to drive the salt content down and/or add gypsum. We will continue to take EC readings, as well as, continue to monitor for regrowth and erosion.