

Irrigation Performance Audit

The City of Aspen Water Efficient Landscaping Standards (WELS)

(WELS - effective 1.1.19)

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Property Address: _____

Property Owner: _____

Owner's Representative: _____

Name of Certified Auditor, with Credentials _____

Date Audit Performed: _____ Weather Conditions: _____

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(WELS Section 5.7.3 a-e)

a. INSPECTION DETAILS

- Summary Description of Irrigation System Inspection. All zones should be operated to confirm appropriate area of application:

- b. SYSTEM TEST with DISTRIBUTION UNIFORMITY (DU)** Note: The auditor may elect to perform DU tests on one-third to one-half of the zones to get an average value that could be applied to all zones that are identical i.e., same sprinkler head, nozzle, spacing, and operating pressure.

- All Turf Areas

- At least 10% of other overhead zones or well-represented collection of zones: _____

Drip Irrigation System Testing (it's not practical to test the DU of drip irrigation systems therefore testing should focus on site evaluation and pressure testing)

- Pressure at beginning of zone: (include zone number) _____

- Pressure at end of zone: (include zone number) _____
- Variance between zone pressure readings in percentage: _____
(If more than 20% variance, address the issue in the TUNE-UP/PUNCH LIST RECOMMENDATIONS section below.)

c. OVERSPRAY/RUNOFF REPORT:

- d. IRRIGATION SCHEDULE** for irrigation controller’s configuration, including: Application Rates, Soil Types, Plant Factors, Slope, Exposure, and Other Factors necessary for accurate controller programming (the Irrigation Schedule can be submitted in spreadsheet format):

***NOTE:** The auditor shall provide a summary irrigation schedule that complies with the requirements of Section 5.7.3 (d), as described above. The applicant is required to submit a more comprehensive irrigation schedule with the Approval Letter, which addresses all the criteria described in WELS Section 5.5.*

- e. TUNE-UP/PUNCH LIST RECOMMENDATIONS** (any missing components required by WELS such as flow sensors, lockable master valve, backflow prevention devices, rain sensors, etc. can be listed here) :

(WELS Section 5.7.4)

WATER BUDGET CALCULATIONS ADJUSTMENT

- Average Irrigation Water Need on **WELS- approved** plans: ___ gal/season/SF
- Average Irrigation Water Need **at time of irrigation audit:** ___ gal/season/SF

***NOTE:** The entire water budget worksheet is not required on the audit report, unless requested by City of Aspen Parks or Utilities Depts.*

Auditor’s signature _____ Date: _____

