Calculation for Proprietary Water Quality Units Project Name:_____ MSD Reviewer:____ Date Submitted: WM No.____ Property Address: Development/Property Name: GMP Number:____ Design Firm: Design Engineer: Telephone: Email: KY PE No.:____ Calculation of Proprietary Water Quality Units Storage Capacity Step A. Site Planning Recommendation Define goals and primary function of the Proprietary Water Quality Unit based on the Proprietary Water Quality Unit fact sheet in section 18.4.10. Refer to this section as needed throughout the remainder of this calculation sheet. Step B. Determine water quality flow rate for unit from City of Indianapolis Stormwater ft^3/s **Quality Unit Selection Guide** Step C. Calculate the Water Quality Volume Required (VR) of water to be removed by proprietary water quality units. Submit manufacturers documentation and specifications with this form: 1. C = runoff coefficient for the area draining to the proprietary water quality unit: I = rainfall intensity for 15 minute, 1-year return frequency storm, 0.5 inches/hour for inches 2. Louisville MSD /hour 3. A = drainage area to the proprietary water quality unit in acres4. Qp = peak flow rate through proprietary water quality unit in cfs=C*I*A or per pipe data from site plan for storm system Step D. Prepare exhibits A and B for long-term maintenance and operation agreement.