**ProMix Polymer Systems**

Sizing Guide / Application Work Sheet

*Sludge Dewatering Applications*

Step 1. \_\_\_\_\_GPM sludge x 8.3lbs/gal = \_\_\_\_\_\_\_\_lbs/min sludge

\_\_\_\_\_lbs/min sludge x \_\_\_\_\_\_% solids (concentration) = \_\_\_\_\_\_lbs/min dry solids

\_\_\_\_\_lbs/min dry solids x 60min/hr = \_\_\_\_\_\_lbs/hr dry solids

\_\_\_\_\_ lbs/hr dry solids = \_\_\_\_\_\_\_\_\_\_\_tons/hr dry solids

2000lbs/ton

**OR**

\_\_\_\_\_ lbs/day dry solids = \_\_\_\_\_\_\_\_\_\_\_tons/hr dry solids

24hrs/day

Step 2. ­­­ \_\_\_\_\_ tons/hr dry solids x \_\_\_\_ lbs polymer / per dry ton (typical 10-15) = \_\_\_\_\_ lbs. active polymer/hr

\_\_\_\_\_ 8.34lbs/gal

\_\_\_\_\_ GPH Active Polymer = \_\_\_\_\_\_GPH neat polymer

\_\_\_\_\_ %active polymer

\_\_\_\_\_ GPH Neat Polymer = \_\_\_\_\_\_ GPH dilution water

\_\_\_\_\_ % solution desired (Typical 0.1% - 0.5% emulsions

*Clarifier/Filtration Application*

\_\_\_\_\_ MGD plant flow X \_\_\_\_\_ PPM active polymer = \_\_\_\_\_ GPD active polymer/day

\_\_\_\_\_ GPD active polymer = ­­­\_\_\_\_\_\_ GPH active polymer

24 hrs/day

\_\_\_\_\_ GPH neat polymer = \_\_\_\_\_\_ GPH dilution water

\_\_\_\_\_ % solution desired