BLENDING (SPLIT TREATMENT)

- Intermittent configuration when a portion of primary treatment effluent is split directly to disinfection during peak wet weather flow conditions
- Disinfect peak split flow in common process or separate disinfection process (dashed lines)
- Disinfected effluent is discharged through a single outfall
PARALLEL AUXILIARY TREATMENT WITH SHARED EFFLUENT DISINFECTION

- Intermittent configuration when additional wet weather treatment process is operated in parallel with processes normally used during dry weather conditions
- Wet weather treatment process may be dedicated or dual-used during dry weather conditions
- Disinfect wet weather treatment effluent in common process discharged through a single outfall
PARALLEL AUXILIARY TREATMENT WITH SEPARATE EFFLUENT DISINFECTION

- Intermittent configuration when additional wet weather treatment process is operated in parallel with processes normally used during dry weather conditions
- Wet weather treatment process may be dedicated or dual-used during dry weather conditions
- Disinfect wet weather treatment effluent in separate process discharged through a separate or common (dashed line) outfall
BIOLOGICAL TREATMENT PROCESSES TEMPORARILY MODIFIED DURING WET WEATHER CONDITIONS

- Intermittent step-feed or contact stabilization mode
  - Increase flow to last pass to protect biomass in up-front passes and decrease clarifier solids loading rates
REMOTE/SATELLITE TREATMENT

- Peak wet weather flow treatment system in collection system
- Upstream of WWTP
- Used intermittently