



DATA FOR SHARON or DEMON DESIGN
(Flow and composition information refer to sidestream, unless specified)

	Average Month	Peak Day ⁽¹⁾
Flow, MGD⁽²⁾	_____	_____
TKN-N_{TOTAL}, mg/l	_____	_____
TKN-N_{SOLUBLE}, mg/l	_____	_____
NH₄-N_{TOTAL}, mg/l	_____	_____
COD_{TOTAL}, mg/l	_____	_____
COD_{SOLUBLE}, mg/l	_____	_____
BOD_{TOTAL}, mg/l	_____	_____
BOD_{SOLUBLE}, mg/l	_____	_____
TSS, mg/l	_____	_____
pH	_____	_____
Alkalinity, mg/l⁽³⁾	_____	_____
VFAs, mg/l	_____	_____
T, °C_{sidestream}⁽⁴⁾	_____	_____
T, °C_{wastewater}⁽⁵⁾	_____	_____
T, °C_{ambient air}⁽⁶⁾	_____	_____
T, °C_{soil}	_____	_____
Wind Speed, mph	_____	_____

Notes:

Please provide:

a) A flow schematic of the biosolids processing train with the main stream and all side/recycle streams

b) A plan view sketch of the site showing the available area for the SHARON or DEMON reactor. Indicate if there are any tanks that are not in use that might be retrofitted as a SHARON or DEMON reactor (with dimensions noted).

⁽¹⁾ Maximum Load

⁽²⁾ Please provide a description of dewatering schedule, (days per week, shifts per day)

⁽³⁾ As CaCO₃ or mole HCO₃/mole NH₄

⁽⁴⁾ Centrate or Filtrate, measured at the dewatering equipment exit prior to any wash water dilution

⁽⁵⁾ Secondary Effluent, summertime maximum

⁽⁶⁾ Summertime maximum, wintertime minimum