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【Calculation for Choosing Models】

1. Inlet Sludge Calculation : 14000L/cycle (Calculate by inlet S.S=6%)

Inlet Capacity=14 m³/ cycle

As the inlet concentration would be : 6%=60 kg / m³

2. Expect Dry Sludge (D.S) Quantity :

Dry Sludge (D.S) Quantity : 14 m³ / cycle × 60 kg / m³ = 840 kg / cycle

3. Sludge Cake After Treating : (If Request Solid Content S.S=50%)

Solids from Sludge Cake : 50%→500 kg/m³

Sludge Cake : 840 kg / cycle ÷ 500 kg / m³ = 1.68 m³/ cycle = 1680 kg/ cycle

4. Supposed Operation Time : (Setting for 3 cycle / week)

1680 kg/ cycle × 3 = 5040 kg / week

Choosing Models :

Model : ACS-1000-60 (Count by inlet S.S=6%)

Inlet Sludge Capacity Range : 14 m³/ cycle

Sludge Cake Quantity Range : 1680 m³/ cycle

Dry Sludge (D.S) Quantity Range : 840 kg/ cycle

	Inlet Sludge	Sludge Cake	Dry Sludge
Concentration (S.S)	6%	50%	100%
Water Content	93%	50%	0%
Capacity	14 m ³	1680 kg	840 kg