AGGREGATES/SAND & GRAVEL WASHING

RAW Sand → Drum Washer → Water + Clay

Water Recycling:

WASHED Sand → Add 1 → Clarifier

Add 2 → Belt Press

Water + Clay

Clear Water to river

Sludge Recycling (when SS is low)
AGGREGATES/SAND & GRAVEL WASHING
Polymer Additions

1 CLARIFICATION
A) Tramfloc 100 Series Emulsion or Dry with low or regular Mil. Wt. (cutback), (Dosage 5 - 10 ppm), If necessary in case of opalescence
B) Tramfloc 620-720 series (3 - 10 ppm)
   In the case of Bentonite, Illite, Montmorillonite ("Red Clay") or Humic acid, it is possible to combine Tramfloc 100 Series with Ca(OH)$_2$ or CaCl$_2$ (dosing AFTER the anionic)

2 DEWATERING
   Tramfloc 100 Series Emulsion or Dry with low or regular Mil. Wt. (cutback)
   (Dosage 50-150 ppm)
TUNNELING

Old forests full of Humic Acid

- Use Tramfloc 860-899 series
- \( \text{Ca(OH)}_2 \) can be used as a cheaper alternative
DREDGING

River

Dredging

Add 1

Clear Water

Clarifier

Add 2

Belt Press
DREDGING - Polymer Additions

1 CLARIFICATION - different Polymers e.g.
   Tramfloc 121
   Tramfloc 624 + 122
   Tramfloc 490B or 490D (Organic Sediments)
   (Dosage 10 - 15 ppm)

2 DEWATERING - e.g.
   Tramfloc 490B or 490D
   Tramfloc 477
   (Dosage 80 - 150 ppm)