Going with the Flow
Pretreatment Programs Accepting Stormwater
Service Population 200,000
22 MGD total at 2 WWTP
19 SIUs (11 CIUs)
Vancouver

Separate sanitary / storm
I/I under control
120% - 140%

Port, rail and ship repair facilities
Collection System

- Conveyance capacity relatively smaller than CS system
Drivers

• NPDES general stormwater permit – lower pollutant limits
• NPDES individual stormwater permitting
• Port of Vancouver
• Groundwater treatment / management
• Water resource protection (Vancouver has an extensive WRP program)
Acceptance Criteria

• **Industrial characteristic**
  – Actual & Potential

• **Limit areas to industrial activity**

• **Engineering Report**
  – BMPs
  – AKART (including direct discharge opportunity)
  – Rentention / storage capacity
  – Compatible / beneficial treatment at plant
Flow Management

City Looks at . . .
- Sewer Capacity
- Hydraulic Load
- Pretreatment Capacity

Industry Must . . .
- Minimize contributing areas
- Delay discharge from peak time
- Storage for Design Storm

Flow Limits – peak & avg daily for wet weather
SDCs

Written Plan
- Storage quantity
- Provision to provide max storage
- Pretreatment system operation

Permit Conditions
Flow Management

Average flow limits and SDCs apply for wet weather months only

Storage capacity required to handle the “six month storm” – 64% of the 2-year, 24-hour storm event per Isopluvial Maps for Clark County.

For Port facilities, 1.6” / 24 hours