

Location
Bukit Panchor, Seberang
Perai Selatan, Penang,
Malaysia

Application
Treatment of river
water

Equipment
Sandfloat SAF-33-
BP

Year
1995



Case history brief:

Location: Bukit Panchor, Seberang Perai Selatan, Penang, Malaysia
Application: Treatment of river water
Capacity: 2.5MGD
Clarification: Turbidity and iron reduction
Chemicals: Various (see details below)
Installation: 1995

Case history features:

One unit of KWI Sandfloat type SAF-33-BP was installed in the existing Treatment Plant, replacing existing conventional sedimentation and filtration system to treat pre-settle river water. The KWI Sandfloat clarification and filtration system purifies water in 6 minutes. On line backwashing allows for uninterrupted filtration cycle and eliminates the need for a large holding tank for water. Total recycle of backwash water back to the inlet reduces water loss to less than 2% as compared to 7% for conventional system.

Raw water:		Outcoming water:	
Iron:	10 NTU	Iron:	0.2 NTU
Turbidity	1-3 mg/l	Turbidity:	Below 0.1 mg/l

