FIGURE 2-1
MBC OVERALL PROCESS FLOW DIAGRAM
HYDRAULIC PROFILE

FiguRE 3.5

AS-BUILT HYDRAULIC PROFILE FOR PWSHFF, 1995 (DRAW NO. R-44)

FLOW DEFINITIONS:

A. DAILY FLUX-AVERAGE FLUX FOR CIVL PROCESSING ALTERNATIVES.
B. EMERGENCY FLUX - THREE AVERAGE FLUX FOR EMERGENCIES.
C. FOR ACTUAL FLUXS REFER TO PROCESS FLOW SHEET.

NOTES:

1. HYDRAULIC PROFILE LINE REPRESENTS THE PROFILE USING TIMES ARE PRACTICAL AND DESIGN TIMES ARE PRACTICAL.
2. DAILY TIMES ARE FOR DESIGN TIMES APPLICABLE TO TIMES IN FLUX.
3. DESIGN TIMES ARE CIVL TIMES OR TIMES DURING DESIGN TIMES.
4. MAXIMUM PRESSURE OR DESIGN TIMES IS 50.0.

LEGEND

- DAILY TIMES
- DAILY TIMES
- DESIGN TIMES
- CIVL TIMES
- EMERGENCY TIMES
- MAXIMUM PRESSURE
- DESIGN TIMES
FIGURE 3-1
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
EXISTING CONDITION
FIGURE 3-2
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 1
FIGURE 3-3
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 2
FIGURE 3-4
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 3
FIGURE 3-5
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 4
FIGURE 3-6
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 5
FIGURE 3-7
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 6
FIGURE 3-8
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 7
FIGURE 3-9
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 8
FIGURE 2-10
BIOSOLIDS SCREEN & BLENDING TANK PROBLEMS
ALTERNATIVE 9
ALTERNATIVE 1
REUSE EXISTING LOADOUT FACILITY

ALTERNATIVE 2
CONSTRUCT NEW LOADOUT FACILITY

FIGURE 8-11
BIOSOLIDS LOADOUT FACILITY UPGRADE ALTERNATIVES
LEGEND:
PE - POLYMER/EMULSION TYPE
PM - POLYMEMANNICH TYPE
PED - POLYMER EMULSION DISPENSER

FIGURE 3-12
POLYMER SYSTEMS
FLOW DIAGRAM
MBC PLANT WATER SYSTEMS TIE INS
FLOW DIAGRAM

FIGURE 4-1
FIGURE 2
PROCESS FLOW DIAGRAM
BIOSOLIDS THICKENING
FIGURE 2
PROCESS FLOW DIAGRAM
DIGESTED BIOSOLIDS STORAGE
FIGURE 17
PROCESS FLOW DIAGRAM
DEWATERING BIOSOLIDS STORAGE
Figure 32
PROCESS FLOW DIAGRAM
DEWATERED BIOSOLIDS LOADOUT
FIGURE 34
UTILITY WATER LOW PRESSURE (UWLP) SYSTEM FLOW DIAGRAM

FIGURE 35
POTABLE WATER (PW) SYSTEM FLOW DIAGRAM