EVE 290 Introduction to Environmental Engineering Fall 2010

Homework #7

- 1. Problems 4.24 and 4.25 in text.
- 2. There are two local recycling plants, one in Minneapolis and one in St. Paul, each with an aluminum can separator. See details below.

Minneapolis		Influent	Effluent1	Effluent2
#	# Al cans/min	300	280	20
#	# Steel cans/min	100	3	97
St. Paul				
#	# Al cans/min	350	320	30
#	# Steel cans/min	90	2	88

- (a) Which process produces the highest purity?
- (b) Which process has the higher Worrell-Stessel efficiency?