11/3 Measured flow north settling basin 26 GPM ~~scrubber water 35 GPM~~ ERROR

11/4 North basin 1.9 GPM

Trench Sewer		Scrubber Water	
7/29/70	2310 ppb	8/21/70	14,100
8/7/70	496	8/24	15,800
8/12	5250	8/28	10,400
9/1	2350	8/31	14,600
9/21	~~3820~~		
10/20	~~1[illegible]~~		
10/23	116		
10/27	~~227~~		
10/28	422		
10/30	~~1[illegible]~~		
11/3	244		
11/10	~~134~~		
11/17	~~70~~		
12/3	778		
12/23	810		
12/29	2581		
1/4	734		
	268		
	71		
	81		
	174		
	55		
	695		
	35		
	268		
20 | 10812	6480/12		
541 ppb	540 ppb		

1223/6 = 204

At 20 GPM in Trench Sewer

$(20\ \text{gal/min})(1440\ \text{min/day})(8.34\ \#/\text{gal}) =$

$(20)(12010) = 240{,}200\ \#/\text{day}$

$$\frac{x}{240{,}200} = \frac{541}{1{,}000{,}000{,}000}$$

$$x = \frac{(0.541)(10^3)(0.2402)(10^6)}{1\times10^9}$$

$x = 0.13\ \#/\text{day}$ @ 46 GPM $x = 0.026$

36 GPM $x = 0.019$

At 100 GPM in Scrubber Water

$(100)(12010) = 1{,}201{,}000\ \#/\text{day}$

$$\frac{x}{1{,}201{,}000} = \frac{204}{1{,}000{,}000{,}000}$$

$$x = \frac{(0.204)(10^3)(1.201)(10^6)}{1\times10^9}$$

$x = 0.25$ ~~@ 35 GPM~~ $x = 0.0875$

DSW 296197

STLCOPCB4066141