

## CASE STUDY

# THE USE OF BCP10 TO REDUCE DISCHARGE LEVELS FROM A PAINT PLANT

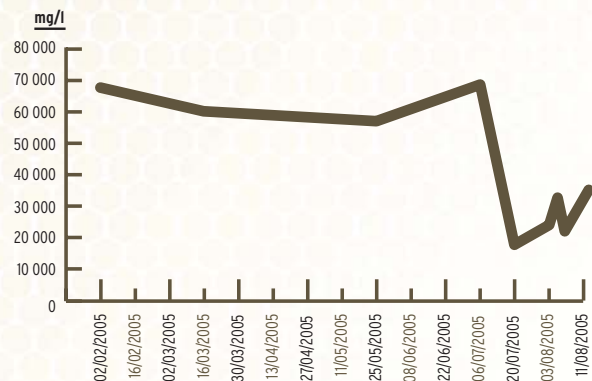
A paint plant in the United Kingdom, with two holding tanks of 15m<sup>3</sup> and 22m<sup>3</sup>, has a COD consent to discharge level of 70,000mg/L.

Pre-trial sampling showed the COD levels to be 57,300 and 68,100 mg/L. Treatment began July 29, 2005 and continued for a period of seven weeks until August 19, 2005. Maximum flow for the period was 7.2 - 8.1L/second.

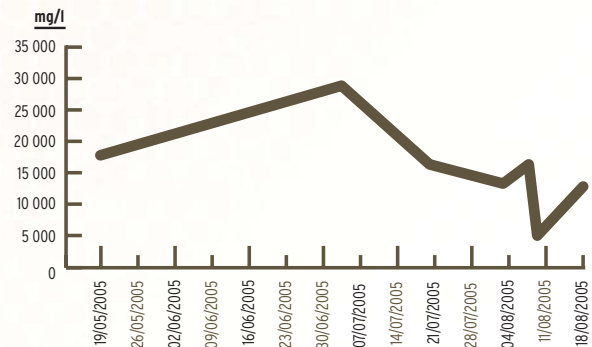
COD levels declined to 33,800mg/L and TSS levels also declined significantly over the period of the trial. For complete treatment results see the tables and graphs below.

The decline in the COD levels following treatment permitted the paint company to meet current discharge levels and to realize cost savings associated with the lowering of discharge.

### C.O.D. LEVEL



### TOTAL SUSPENDED SOLIDS



	SAMPLE 1		SAMPLE 2		START				FINISH
Sample Date	02-Feb-05	08-Mar-05	19-May-05	29-Jun-05	18-Jul-05	02-Aug-05	05-Aug-05	08-Aug-05	18-Aug-05
C.O.D. mg/l	65,900	60,900	57,300	68,100	16,000	23,800	31,400	22,800	33,800
TSS mg/l	-	-	18,100	28,800	15,800	13,000	15,400	5,000	12,500
T.V.C. (2 Days 37C) NO/ml	-	-	39,000	0	13,800,000	3,792,079	1,580,000	4,700,000	0
T.V.C. (3 Days 22C) NO/ml	-	-	0	0	18,800,000	10,800,000	13,900,000	16,500,000	0
Max Flow	-	-	-	7.2	7.2	8.1	8.1	7.9	-