

Interoffice Communication

To Bruce Vick - Aberdeen
From J. C. Ledvina
Date October 12, 1979
Subject

In answer to your request for information on future allowable effluent levels of dioctylphthalate (DOP) I offer the following. R&D sampled and analyzed Aberdeen waste water earlier in the year and found less than 1 ppm (mg/l) di-2-ethylhexylphthalate. Full results of their analysis are attached.

Earlier in the year, EPA published water quality criteria for each of the sixty-five categories of priority pollutants of which di-2-ethylhexylphthalate is one. This criteria could be the basis for 1984 regulations. The recommended water quality criteria for di-2-ethylhexylphthalate is 10 mg/l which means that based on one sample you appear to be alright. One other sample should have been taken by R&D recently and more may be taken in the future.

Although this all sounds good, I don't have a warm feeling about 1984 requirements. Industry ought to have more definitive guidance from EPA during 1980. In the meantime, I encourage you to do analytical work that will characterize levels of all chemicals detectable in waste water. Proposed Federal Regulations are saying that if we propose to discharge a chemical, we must list it in our permit application. Sounds tough, doesn't it?

Give me a call if you'd like to discuss further.

Joe
J. C. Ledvina

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att.

WATER ANALYSIS

ABERDEEN PVC PLANT (ABR)
GC/MS DATA

SAMPLE NO. ABR-	62-25-BN	62-25-AC	66-25-BN	66-25-AC	65-25-BN	62-25-AC	69-25
COMPONENT	Blank Water Base Neutrals	Blank Water Acid Fraction	Influent Water Base Neutrals	Influent Water Acid Fraction	Effluent Water Base Neutral	Effluent Water Acid Fraction	Volatile Organic Analysis (VOA)
Tetrachloropropane	10 ppb	3 ppb	same as blank		5 ppb		
Butyl-capped nonionic	400 ppb	-			1531 ppb	68 ppb	
Isooctanol	20 ppb	-					
Heptadecane	6 ppb	2 ppb					
Octadecane	11 ppb	2 ppb					
Propyl myristate	10 ppb	5 ppb				20 ppb	
Dibutylphthalate	8 ppb	-					
Nonadecane	13 ppb	2 ppb					
Eicosane	5 ppb	1 ppb					
2-Phenyl-2-dodecanone	6 ppb	2 ppb					
di-2-Ethylhexylphthalate	1 ppb	1 ppb			870 ppb	80 ppb 13 ppb	
Isoprene polymer	5 ppb	3 ppb					
Hexadecane		1 ppb					
Chlorocyclohexanol							
Cresol							
Bromocyclohexanol							
C16 alcohols							
di-n-Octylphthalate						8 ppb	
Hexyldecylphthalate							
n-Octyl n-decylphthalate						20 ppb	
di-n-Decylphthalate						10 ppb	
Isodecylphthalates						7 ppb	
Cyclohexane oxirane						70 ppb	
Branched C9 acids						600 ppb	
Branched C10 acids						40 ppb	
di-n-Octyltrimellitate							150 ppb
Vinyl chloride							12 ppb
t-Butyl alcohol							12 ppb
Branched paraffin							