U.S. EPA REGION 10

NEW FAX NUMBER

WATER DIVISION

FAX: (206) 442-0165
FTS 399-0165

#9131

TO CONFIRM YOUR FAX CALL:
(206) 442-1086
FTS 399-1086

TO: Tad Deshler
PHONE NUMBER:
CITY, STATE / REGION: Tetra Tech, Bellevue, WA

9/21/90

FAX NUMBER: 828-4359

FROM: Carla Fisher
PHONE NUMBER: 442-1756
CITY, STATE / REGION: Seattle, WA Region 10

TOTAL PAGES: 5 (inc. cover)

ADDITIONAL REGION 10 FAX NUMBERS:

FOR FAX INFORMATION CALL (206) 442-4141 FOR THE FAX OPERATOR. GENERAL FAX # (206) 442-4672

COMMENTS**********

CH2M HILL FAX REQUEST FORM

To: CARLA FISHER

Office: EPA REGION X

From: DENNIS SHELTON

CH2M HILL/CVO
503-752-4271 Ext. 245
503-752-0276 Auto
OMNIFAX G96

Employee Number: 5273

Date: 9-20-90

Project Number: ANC 26264.A6

FAX Telephone Number: (206) 442 0165

Total Number of Pages Sending: 4

Return Original: ☑ Yes ☐ No

Additional Comments: CARLA, enclosed are the pages you requested. They were not included in the original report because the results were deemed of no value since rather dramatic salinity effects were observed. The low salinity of the receiving water and effluent was insufficient for adequate survival or development to make the bioassays useful. Call me if you have questions

— also, these treatments were not originally requested by EPA.

Time Sent:

Time Received:

Table 4. Summary of oyster test response data - Test 3: effluent in receiving water.

Test material concentration (%)	Repl.	Larvae counted Abnorm.	Larvae counted Total	Abnormality %	Abnormality Mean %	Abnormality Adjust.%	Mortality* %	Mortality* Mean %	Mortality* Adjust.%
20	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
10	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
5	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
2	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
0.5	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
0.1	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
Control**	1	10	119	8.4			32.0		
	2	12	150	8.0			14.3		
	3	10	140	7.1			20.0		
	4	9	109	8.2			37.7		
	5	8	142	5.6			18.9		
	6	11	137	8.0	7.6	---	21.7	24.1	---

*Based on an average zero time count of 175 embryos per 5 ml subsample.
**Control data common to all six test series.

	Abnormality	Mortality
NOEC	--	<0.1%
LOEC	--	≤0.1%
EC50/LC50 (95% conf. int.)	--	<0.1%

12/15/89

Table 4. Summary of oyster test response data - Test 3: effluent in receiving water.

Test material concentration (%)	Repl.	Larvae counted Abnorm.	Larvae counted Total	Abnormality %	Abnormality Mean %	Abnormality Adjust.%	Mortality* %	Mortality* Mean %	Mortality* Adjust.%
20	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
10	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
5	1	0	0	---			100.0		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	100.0	100.0
2	1	1	1	---			99.4		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	99.8	99.8
0.5	1	3	3	---			98.2		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	99.4	99.3
0.1	1	6	7	---			95.8		
	2	0	0	---			100.0		
	3	0	0	---	---	---	100.0	98.6	98.3
Control**	1	5	140	3.6			18.7		
	2	3	152	2.0			9.5		
	3	2	123	1.6			26.8		
	4	3	138	2.2			17.9		
	5	1	139	0.7			17.3		
	6	5	133	3.8	2.3	---	20.8	18.2	---

*

**Based on an average zero time count of 168 embryos per 5 ml subsample. Control data common to all four test series.

	Abnormality	Mortality
NOEC	--	<0.1%
LOEC	--	≤0.1%
EC50/LC50 (95% conf. int.)	--	<0.1%

8/10/89

Table 4. Summary of oyster test response data - Test 3: effluent in receiving water.

Test Material concentration (%)	Repl.	Larvae counted: Abnormal	Larvae counted: Total	Abnormality: %	Abnormality: Mean %	Mortality*: %	Mortality*: Mean %	Mortality*: Adjust.%
20	1	0	0	--		100		
	2	0	0	--		100		
	3	0	0	--	--	100	100	100
10	1	1	1	100		98.1		
	2	0	0	--		100		
	3	0	0	--	100	100	99.4	97.4
5	1	0	0	--		100		
	2	0	0	--		100		
	3	0	0	--	--	100	100	100
2	1	0	0	--		100		
	2	0	0	--		100		
	3	0	0	--	--	100	100	100
0.5	1	1	1	100		98.1		
	2	0	0	--		100		
	3	0	0	--	100	100	99.4	97.4
0.1	1	2	2	100		98.2		
	2	0	1	0.0		98.1		
	3	0	0	--	50.0	100	98.1	92.1
Control**	1	0	37	0.0		28.8		
	2	1	41	2.4		21.2		
	3	0	38	0.0	0.8	30.8	26.9	--

*Based on an average zero time count of 52 embryos per 5 ml subsample.
**Control data common to all four test series.

	Abnormality	Mortality
NOEC	--	<0.1%
LOEC	--	≤0.1%
EC50/LC50 (95% conf. int.)	--	<0.1%

6/8/89