

SURFACE WATER RESULTS FOR THE COLORADO RIVER

1st Qtr. and Annual 1985

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## REGULATORY AFFAIRS DEPARTMENT

## RIVER WATER REPORTS

Month March, 1985DL  
P20

Name of Sampler Dale L. Edwards  
 Date and Time Sample Was Collected March 6, 1985  
 Location of Sample Up Stream - River Water  
 Sampling Method Used (Bailed - Pumped) Bailed  
 The Amount of Water to be Removed Prior to Sampling \_\_\_\_\_  
 Name of Sampler \_\_\_\_\_

Radionuclide	M.P.C.	Date of Analysis	Concentration uci/ml	Error Estimate	L.L.D.	Name of Assayer
Gross Beta-Gamma						
U-Nat	$3 \times 10^{-5}$ uci/ml	<u>4/1-5/85</u> <u>3/27-</u>	$4.09 \times 10^{-9}$	--	$8 \times 10^{-10}$ uci/ml	BT
Ra-226	$3 \times 10^{-8}$ uci/ml	<u>4/4/85</u> <u>3/29</u>	$0.4 \times 10^{-9}$	$0.3 \times 10^{-9}$	$4.9 \times 10^{-10}$ uci/ml	JG
Th-230	$2 \times 10^{-6}$ uci/ml	<u>4/5/85</u> <u>3/20-</u>	$0.5 \times 10^{-9}$	$0.6 \times 10^{-9}$	$4.9 \times 10^{-10}$ uci/ml	OH
Pb-210	$1 \times 10^{-7}$ uci/ml	<u>4/4/85</u> <u>3/14-</u>	$2.1 \times 10^{-9}$	$2.0 \times 10^{-9}$	$3.7 \times 10^{-9}$ uci/ml	DL
Po-210	$7 \times 10^{-7}$ uci/ml	<u>21/85</u>	$0.0 \times 10^{-9}$	$0.7 \times 10^{-9}$	$2.0 \times 10^{-9}$ uci/ml	JJ

## Common Ion and Trace Metals

	Date of Analysis	PPM Concentration	Error Estimate	L.L.D.	Name of Assayer
K+	_____	_____	_____	.001 PPM	_____
Na+	_____	_____	_____	.001 PPM	_____
Cl-	<u>4/2/85</u>	<u>73</u>	_____	.40 PPM	R. McCallister
SO <sub>4</sub>	<u>4/2/85</u>	<u>190</u>	_____	.21 PPM	R. McCallister
NO <sub>3</sub>	<u>3/14/85</u>	<u>0.40</u>	_____	.01 PPM	R. McCallister
Fe	_____	_____	_____	.001 PPM	_____
Mn	_____	_____	_____	.01 PPM	_____
As	<u>4/8/85</u>	<u>&lt;0.001</u>	_____	.10 PPM	R. McCallister
Se	<u>4/3/85</u>	<u>&lt;0.001</u>	_____	.50 PPM	R. McCallister
Cu	<u>4/1/85</u>	<u>&lt;0.001</u>	_____	.01 PPM	R. McCallister
TDS	_____	<u>508</u>	_____	1.0 PPM	R. McCallister
PH	<u>3/6/85</u>	<u>8.5</u>	_____	.10 Units	D. Edwards
Conductivity	<u>3/6/85</u>	<u>650</u>	_____	10 umhos	D. Edwards

## REGULATORY AFFAIRS DEPARTMENT

## RIVER WATER REPORTS

Month March, 1985CLE  
P10

Name of Sampler Dale L. Edwards  
 Date and Time Sample Was Collected March 6, 1985  
 Location of Sample Down Stream - River Water  
 Sampling Method Used (Bailed - Pumped) Bailed  
 The Amount of Water to be Removed Prior to Sampling \_\_\_\_\_  
 Name of Sampler \_\_\_\_\_

Radionuclide	M.P.C.	Date of Analysis	Concentration uci/ml	Error Estimate	L.L.D.	Name Assay
Gross Beta-Gamma						
U-Nat	$3 \times 10^{-5}$ uci/ml	4/1-5/85	$9.05 \times 10^{-9}$	--	$8 \times 10^{-10}$ uci/ml	BT
Ra-226	$3 \times 10^{-8}$ uci/ml	3-27 4/4/85	$0.1 \times 10^{-9}$	$0.3 \times 10^{-9}$	$4.9 \times 10^{-10}$ uci/ml	JG
Th-230	$2 \times 10^{-6}$ uci/ml	3/29- 4/5/85	$1.2 \times 10^{-9}$	$0.8 \times 10^{-9}$	$4.9 \times 10^{-10}$ uci/ml	OH
Pb-210	$1 \times 10^{-7}$ uci/ml	3/20- 4/4/85	$0.6 \times 10^{-9}$	$1.2 \times 10^{-9}$	$3.7 \times 10^{-9}$ uci/ml	DL
Po-210	$7 \times 10^{-7}$ uci/ml	3/14- 21/85	$0.0 \times 10^{-9}$	$0.7 \times 10^{-9}$	$2.0 \times 10^{-9}$ uci/ml	JJ

## Common Ion and Trace Metals

	Date of Analysis	Concentration	Error Estimate	L.L.D.	Name of Assayer
K+				.001 PPM	
Na+				.001 PPM	
Cl-	4/2/85	84		.40 PPM	R. McCallister
SO <sub>4</sub>	4/2/85	195		.21 PPM	R. McCallister
NO <sub>3</sub>	3/14/85	0.50		.01 PPM	R. McCallister
Fe				.001 PPM	
Mn				.01 PPM	
As	4/8/85	<0.001		.10 PPM	R. McCallister
Se	4/3/85	<0.001		.50 PPM	R. McCallister
Cu	4/4/85	<0.001		.01 PPM	R. McCallister
TDS	4/1/85	580		1.0 PPM	R. McCallister
PH	3/6/85	8.5		.10 Units	D. Edwards
Conductivity	3/6/85	700		10 umhos	D. Edwards