

17-Sep-1984 09:43:47

SHOREHAM NUCLEAR POWER STATION

PA07396243 Sample D1 Area A3 (700X scan)

Vert= 2000 counts Disp= 1

Preset= 100 secs

Elapsed= 100 secs

ELEMENT	WEIGHT	ATOMIC	PRECISION
% LINE	PERCENT	PERCENT*	2 SIGMA

Si KA	4.27	7.73	0.07	0.0226
S KA	2.05	3.25	0.02	0.0151
Ca KA	1.41	1.79	0.06	0.0144
Cr KA	1.67	1.63	0.00	0.0210
Mn KA	3.29	3.05	0.00	0.0331
Fe KA	90.65	82.55	0.00	0.8937
TOTAL	103.34			3

Fe

Si

Mn

Range= 0.000 10.230 eV 10.070 →

Integral 0 = 230645

8412170424 841031  
PDR ADOCK 05000322  
PDR

DOCKETED  
USNRC

'84 NOV -8 A10:06

OFFICE OF SECRETARY  
DOCKETING & SERVICE  
BRANCH

**BUREAU REGULATORY COMMISSION**

Docket No. 50-3222 Official Est. No. 76

In the matter of LILCO

IDENTIFIED ☒

RECEIVED ☒

REJECTED ☐

DATE 10-31-84

Witness ✓

Staff ✓

Applicant ✓

Intervenor ✓

Gov't Offr ✓

Contractor ✓

Other ✓

Reporter WRB

11-Sep-1984 07:57:54

SHOREHAM NUCLEAR POWER STATION

PA07396243 Pc.D Weld Metal

Vert= 2000 counts Disp= 2

Preset= 500 secs

Elapsed= 500 secs

ELEMENT	WEIGHT	ATOMIC	PRECISION	K-RATIO**	ITER
& LINE	PERCENT	PERCENT*	2 SIGMA		

Fe KA	52.44	55.07	0.61	0.5646	
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Ni KA	43.53	43.48	1.75	0.4196	2
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TOTAL	95.97				
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Fe Ni

Fe

Ni

Ni Si

10.110 →

← 0.000 Range= 10.230 keV

Integral 8 =

0

11-Sep-1984 12:26:32

SHOREHAN NUCLEAR POWER STATION

PA07396243 P.C Weld Material(100X)

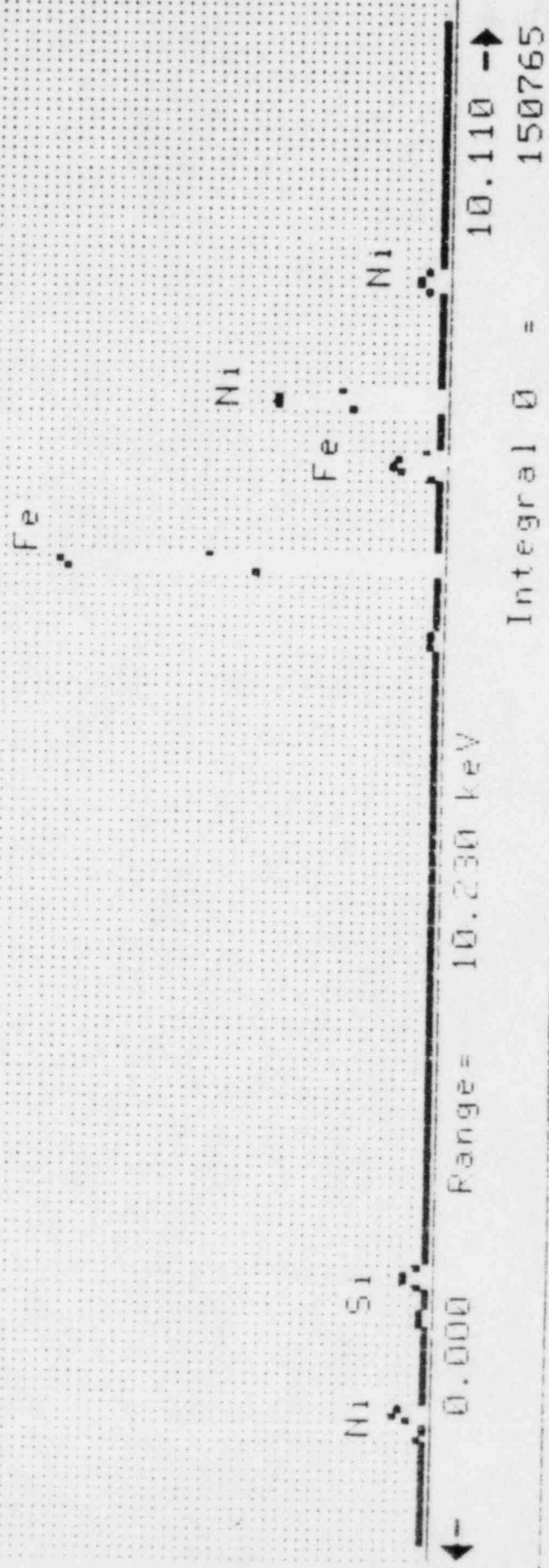
Vert= 20000 counts Disp= 1

Preset= 500 secs

Elapsed= 500 secs

ELEMENT	WEIGHT	ATOMIC	PRECISION
& LINE	PERCENT	PERCENT*	2 SIGMA K-RATIO** ITER

Fe KA	55.55	57.24	0.65	0.5901
Ni KA	41.92	41.09	1.68	0.3920
TOTAL	97.47	98.33		





11-Sep-1984 12:46:22

SHOPENHAM NUCLEAR POWER STATION

PA07396243 Pc.C Weld Material(1.0KX)

Vert= 20000 counts Disp= 1

Preset= 500 secs

Elapsed= 500 secs

ELEMENT WEIGHT ATOMIC PRECISION

S LINE PERCENT PERCENT\* 2 SIGMA K-RATIO\*\* ITER

Fe 1A 56.20 58.02 0.65

Ni 1A 42.67 41.90 1.71

TOTAL 98.87

0.6000

0.3991

2

Fe Ni

Fe Ni

Si

← 0.000 Range= 10.230 keV

10.110 →

Integral 8 =

0

17-Sep-1984 08:53:49

SHOPEHAN NUCLEAR POWER STATION

PA07396243 Sample D1 Area A1 (700X scan)

Preset= 3 secs

Vert= 2000 counts Disp= 1

Elapsed= 100 secs

ELEMENT WEIGHT ATOMIC PRECISION

& LINE PERCENT PERCENT\* 2 SIGMA

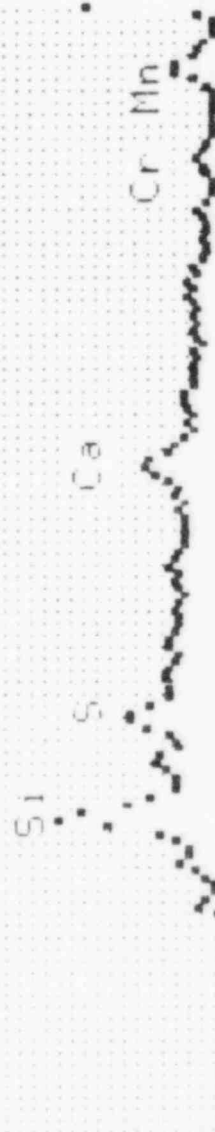
K-RATIO\*\* ITER

Si KA	4.47	8.01	0.08	0.0237
S KA	2.50	3.93	0.03	0.0185
Ca KA	1.84	2.32	0.07	0.0188
Cr KA	1.65	1.60	0.00	0.0206
Mn KA	2.68	2.45	0.00	0.0269
Fe KA	90.60	81.70	0.00	0.8915

TOTAL 103.74

3

Fe



Range= 10.230 keV

10,070

Integral 0 = 244727



17-Sep-1984 11:05:36

SHOREHAM NUCLEAR POWER STATION

PA07396243 Sample D1 Area A5 (700X scan) Preset= 100 secs

Vert= 2000 counts Disp= 1 Elapsed= 100 secs

ELEMENT WEIGHT ATOMIC PRECISION

& LINE PERCENT PERCENT+ 2-SIGMA K-RATIO\*\* ITER

Si KA 4.40 8.18 0.08 0.0230

Cr KA 1.48 1.49 0.02 0.0192

Mn KA 2.87 2.73 0.12 0.0293

Fe KA 93.64 87.60 0.00 0.9286 3

TOTAL 102.39 Fe

Si

Mn

← 0.000 Range= 10.230 keV 10.070 →

Integral 0 = 262117



17-Sep-1984 12:06:33

SHOREHAM NUCLEAR POWER STATION

PA07396243 Sample D1 Area A6 (700X scan)

Preset= 100 secs

Vert= 2000 counts Disp= 1

Elapsed= 100 secs

ELEMENT & LINE	WEIGHT PERCENT	ATOMIC PERCENT*	PRECISION 2 SIGMA	K-RATIO**	ITER
Si KA	3.18	5.86	0.05	0.0167	
S KA	1.60	2.58	0.02	0.0118	
Ca KA	1.86	2.40	0.07	0.0190	
Mn KA	2.47	2.33	0.00	0.0250	
Fe KA	92.13	85.45	0.00	0.9136	
Ni KA	1.56	1.38	0.00	0.0139	3
TOTAL	102.80				

