

WESTERN



FORGE & FLANGE CO.

780 REED STREET 95050
P.O. BOX 327 95052-0327
SANTA CLARA, CALIFORNIA

PHONE (408) 727-7000
TWX 910-338-0111
TELEX 34-6448

March 27, 1984

CALIFORNIA REGIONAL WATER

MAR 29 1984

QUALITY CONTROL BOARD

Received
3/30/84

Robin Breuer
California Regional Water
Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, CA 94607

Dear Robin:

Per your request at our meeting of 3/26/84, we are enclosing the results of our independent testing:

- 1 copy Log # E84-2-184
- 1 copy Log # E84-3-160-1
- 1 copy Accurate Metalurgical Analysis of Scale

Sincerely,

WESTERN FORGE & FLANGE CO.

Peter Zaklan
President

PZ/tk

enclosures



BROWN AND CALDWELL

CONSULTING ENGINEERS
 ANALYTICAL SERVICES DIVISION
 1255 POWELL STREET
 EMERYVILLE, CA 94608
 PHONE (415) 428-2300

Log No. E84-2-184

Date Sampled 2/16/84
 Date Received 2/16/84
 Date Reported 3/9/84

Page 1 of 2

Reported To: Mr. Vern Mallison
 Western Forge and Flange
 Post Office Box 327
 Santa Clara, California 95052

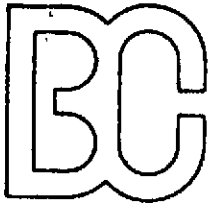
cc. Mr. Brian Bracken
 Brown and Caldwell

Laboratory Director

Log No.	Sample Description
2-184-1	W-1 Water quench tank
2-184-2	W-2 Boiler blow down

Concentration: mg/L

CAM METALS	2-184-1	2-184-2			
Arsenic	< 0.01	< 0.01			
Barium	< 0.1	< 0.1			
Cadmium	< 0.01	< 0.01			
Chromium, Hexavalent	0.06	< 0.02			
Chromium, Trivalent	< 0.02	< 0.02			
Cobalt	< 0.02	0.15			
Copper	1.7	0.17			
Lead	< 0.1	< 0.1			
Nickel	1.7	0.03			
Selenium	< 0.01	< 0.01			
Zinc	0.08	1.3			



BROWN AND CALDWELL

CONSULTING ENGINEERS
ANALYTICAL SERVICES DIVISION

1255 POWELL STREET
EMERYVILLE, CA 94608
PHONE (415) 428 2300

Log No. E84-2-184

Date Sampled 2/16/84
Date Received 2/16/84
Date Reported 3/09/84

Page 2 of 2

Reported To: Mr. Vern Mallison
Western Forge and Flange

cc.

Laboratory Director

Log No.	Sample Description
2-184-3	S-1; SW of Bldg.
2-184-4	S-2; W of Bldg.
2-184-5	S-3; NW of Bldg.
TLC	Total threshold limit concentration, taken from the California Assessment Manual (CAM), Draft Regulatory Criteria, September 15, 1983.

Concentration: mg/kg

AM METALS	2-184-3	2-184-4	2-184-5	TTLIC		
Arsenic	9.5	15	5.6	500		
Barium	140	53	170	10,000		
Cadmium	0.1	< 0.1	< 0.1	100		
Chromium, Hexavalent	< 1	< 1	2	500		
Chromium, Trivalent	76	360	80	2500		
Cobalt	17	100	7.6	8000		
Copper	110	3300	22	2500		
Lead	160	85	81	1000		
Nickel	150	9400	24	2000		
Selenium	< 0.1	< 0.1	< 0.1	100		
Zinc	1500	190	320	5000		



BROWN AND CALDWELL

CONSULTING ENGINEERS
ANALYTICAL SERVICES DIVISION
1255 POWELL STREET
EMERYVILLE, CA 94608
PHONE (415) 428-2300

Log No. E84-3-160-1

Date Sampled 01/14/84
Not Given
Date Received 3/14/84
Date Reported 3/19/84

Reported To:

Mr. Vern Mallison
Western Forge and Flange
Post Office Box 327
Santa Clara, California 95052

J. [Signature]
Laboratory Director

cc. Mr. Brian Bracken
Brown and Caldwell, Pleasant Hill

Log No.	Sample Description
3-160-1	Water Sample - FROM DRAIN TO BAY - AFTER SAMPLE TAKEN 3/14/84 HUY RANIS

	Concentration: mg/L				
	3-160-1				
Barium	< 0.1				
Chromium	0.33				
Cobalt	< 0.02				
Copper	0.81				
Lead	< 0.1				
Nickel	0.48				
Zinc	1.2				
ht					