

TABLES

**TABLE I
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT CA0001309**

Station: AREA 1
Parameter: Rain
Month/Year: February 2014

HOUR OF THE DAY

D A Y O F T H E M O N T H	Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total	
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.15	0.05	0.01	0.00	0.00	0.01	0.01	0.02	0.00	0.27
	7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.06	0.10	0.04	0.25	
27	0.11	0.22	0.08	0.11	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.55	
28	0.06	0.09	0.24	0.22	0.47	0.18	0.42	0.09	0.07	0.10	0.01	0.03	0.17	0.28	0.04	0.09	0.02	0.22	0.01	0.01	0.01	0.01	0.00	0.02	0.04	2.89	

**TABLE I
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT CA0001309**

Station: AREA 1
Parameter: Rain
Month/Year: March 2014

HOOR OF THE DAY

D A Y O F T H E M O N T H	Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total	
	1	0.00	0.01	0.03	0.04	0.03	0.11	INV	INV	INV	INV	INV	INV	INV	0.05p	0.02	0.02	0.15	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.48*
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.03	0.07

Flags: p = Power failure, invalid hour

d = Marked down, invalid hour

INV = Negative under range, invalid hour. Malfunction in the sensor produced an erroneous rainfall measurement of <0.

Notes: * = The Area 1 rain gauge malfunctioned between 0600 -1200 on March 1. The B1436 rain gauge measured 0.42" during that time and was added to the Area I rain gauge data for a total 0.9" on March 1.

**TABLE I
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT CA0001309**

Station: AREA 1
Parameter: Rain
Month/Year: November 2014

HOOR OF THE DAY

D A Y O F T H E M O N T H	Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total	
	1	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	INV	INV	INV	INV	INV	0.00p ¹	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
	14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.11	0.06	0.00	0.06	0.03	0.08	0.12	0.02	0.01	0.00	0.00	0.00	0.00	0.06	0.59	

Flags: p¹ = Data not recorded due to intentional power shutdown after the storm to hook-up backup generator to contractors' trailers (including weather station)

p = Power failure, invalid hour

INV = Negative under range, invalid hour. Malfunction in the sensor produced an erroneous rainfall measurement of <0.

**TABLE I
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT CA0001309**

Station: AREA 1
Parameter: Rain
Month/Year: December 2014

HOUR OF THE DAY

DAY	HOUR OF THE DAY																								Weather Station Total	Validated Total	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	
2	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.07	0.14	0.07	0.09	0.26	0.40	0.33	0.27	0.11	INV	0.03p	0.04	0.00	0.06	0.04	0.06	1.97	2.00	
3	0.07	0.05	0.02	0.01	0.04	0.02	0.01	0.00	0.01	0.02	0.02	0.02	0.02	0.05	0.06	0.05	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.57
4	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00D	0.00D	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	INV	INV	INV	INV	INV	INV	INV	0.00	0.09	0.09
12	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.53	2.53
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.04	0.04
16	0.01	0.00	0.00	0.05	0.02	0.01	0.01	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.15	0.15	0.15
17	0.02	0.05	0.33	0.31	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72	0.72
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Flags: D = Marked down, valid hour
p = Power failure, invalid hour
INV = Negative under range, invalid hour. Malfunction in the sensor produced an erroneous rainfall measurement of <0

Notes:

- The 0.03"p on 12/02/14 was not added to the daily total as defined by the software programming. As the power failure was less than one hour, the amount of 0.03" was added for a validated total of 2.0" This amount was confirmed by the Station 436 rain gauge.
- The 0.10" on 12/10/14 was invalidated as Station 436 confirmed 0.00" of rain for 12/10/14
- Rain data collected from Station 436 was used for 12/11/14 through 12/12/14 due to Area 1 weather station malfunction. Rain totals used for those days are 0.09" on 12/11/14 and 2.53" on 12/12/14
- Rain total for 12/01/14 through 12/10/14 using validated rain data is 2.61"
Rain total for 12/11/14 through 12/12/14 using validated rain data is 2.62"
Rain total for 12/13/14 through 12/31/14 (no data flags) is 0.91"
The validated rain total for December is 6.14".

**TABLE II
LIQUID WASTE SHIPMENTS**

**2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
1/8/2014	006792587FLE	WASTE FLAMMABLE LIQUIDS (ISOPROPYL ALCOHOL)	8	P	Clean Harbors Environmental Services	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029
		WASTE AMMONIA SOLUTIONS (AMMONIA SOLUTIONS)	11	P		
1/14/2014	010392706JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	8020	P		
1/15/2014	010392711JJK	HAZARDOUS WASTE LIQUID (ACETONE, TETRACHLOROETHYLENE)	2109	P		
1/15/2014	010392713JJK	WASTE NITRIC ACID OTHER THAN RED FUMING, WITH NOT MORE THAN 20% NITRIC ACID (NITRIC ACID)	4	P	Clean Harbors Environmental Services	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029 Clean Harbors Wilmington LLC 1737 East Denni Street, Wilmington, CA 90744
		WASTE HYDROCHLORIC ACID SOLUTION	4	P		
		HAZARDOUS WASTE LIQUID (LEAD, CADMIUM)	985	P		
		NON-RCRA HAZARDOUS WASTE LIQUIDS (HYDREX)	164	P		
2/5/2014	007479339FLE	HAZARDOUS WASTE LIQUID (ACETONE, TETRACHLOROETHYLENE)	6283	P	Clean Harbors Environmental Services	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029
2/10/2014	02051403*	NON HAZARDOUS (WATER)	350	G	Environmental Recovery Services, Inc	Demunno Kerdoon 2000 N. Alameda Street, Compton, CA 90222
2/12/2014	010392716JJK	WASTE SODIUM HYDROXIDE SOLUTION	417	P	Clean Harbors Environmental Services	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029
2/26/2014	010392721JJK	NON-RCRA HAZARDOUS WASTE LIQUIDS (OIL, WATER)	20	P		
2/26/2014	010392722JJK	WASTE FORMALDEHYDE SOLUTIONS, FLAMMABLE (FORMALDEHYDE, POTASSIUM HYDROGEN PHTHALATE)	29	P		
		HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	410	P		
		HAZARDOUS WASTE LIQUID (ACETONE, TETRACHLOROETHYLENE)	21466	P		
3/12/2014	007479586FLE	HAZARDOUS WASTE LIQUID (CHROMIUM)	491	P		
		HAZARDOUS WASTE LIQUID (CHROMIUM)	186	P		
3/12/2014	007479587FLE	HAZARDOUS WASTE LIQUID (SEDIMENT CHROMIUM)	55	P		
3/12/2014	007479588FLE	WASTE CORROSIVE LIQUID, BASIC, INORGANIC (SODIUM HYDROXIDE)	12	P		
		HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	990	P		
3/12/2014	007479592FLE	WASTE CORROSIVE LIQUID, BASIC, INORGANIC (BENTONITE, SODIUM HYDROXIDE)	253	P		
		WASTE CORROSIVE LIQUID, BASIC, INORGANIC (BENTONITE, SODIUM HYDROXIDE)	305	P		
		HAZARDOUS WASTE LIQUID (CHROMIUM, SELENIUM)	1136	P		
3/26/2014	007479645FLE	WASTE PAINT (PAINT, XYLENE)	22	P		
		WASTE AMINES, LIQUID, CORROSIVE (POLYAMIDE HARDNER)	23	P		
4/9/2014	007471362FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	183	P	Clean Harbors Environmental Services	Clean Harbors Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029
4/9/2014	Y0993	NON HAZARDOUS (WATER)	1730	P		
		NON HAZARDOUS (WATER)	72	P		
4/9/2014	Y1008	NON HAZARDOUS (WATER, SEDIMENT)	28620	P		
4/11/2014	007471363FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	3003	G		
4/23/2014	007471562FLE	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID (TRICHLOROETHENE)	2270	P		
		WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID (TRICHLOROETHENE)	145	P	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029	

* = manifest not reported in the quarterly DMR.

**TABLE II
LIQUID WASTE SHIPMENTS**

**2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
4/23/2014	007471563FLE	WASTE CORROSIVE LIQUID (SODIUM HYDROXIDE, SODIUM CYANIDE)	8	P	Clean Harbors Environmental Services	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029
		HAZARDOUS WASTE LIQUID (DEBRIS, SULFURIC ACID)	40	P		
		NON-RCRA HAZARDOUS WASTE LIQUIDS (IRON REAGENT, WATER)	6	P		
4/23/2014	007471566FLE	WASTE CORROSIVE LIQUID, BASIC INORGANIC (BENTONITE, SODIUM HYDROXIDE)	44	P	Clean Harbors Environmental Services	Clean Harbors Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029
		NON-RCRA HAZARDOUS WASTE LIQUIDS (OIL, WATER)	15	G	Environmental Recovery Services, Inc	Demunno Kerdoon 2000 N. Alameda Street, Compton, CA 90222
4/30/2014	012849657JJK*	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	605	G	Clean Harbors Environmental Services	Clean Harbors Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029
5/21/2014	007764735FLE	WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC (HYDROCHLORIC ACID)	5	P		
5/21/2014	007764736FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	13671	P		
5/27/2014	Y1565	NON HAZARDOUS (WATER)	5491	G	Remedial Transportation Services	Southwest Processors 4120 Bandini Blvd., Los Angeles, CA 90058
5/27/2014	Y1566	NON HAZARDOUS (WATER)	4518	G		
5/29/2014	Y1631	NON REGULATED LIQUID (WATER)	3164	G		
5/29/2014	Y1638	NON HAZARDOUS (WATER)	4587	G		
5/30/2014	Y1643	NON HAZARDOUS (WATER)	1950	G		
6/11/2014	Y1783	NON HAZARDOUS (WATER)	648	P		
6/25/2014	007764863FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	1218	P		
6/25/2014	007764867FLE	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID (TRICHLOROETHENE)	182	P	Clean Harbors Aragonite LLC 11600 North Aptus Road, Grantsville, UT 84029	
6/30/2014	Y1992	NON HAZARDOUS (WATER)	2350	G		
7/3/2014	010392725JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	1764	G	Clean Harbors Environmental Services Inc.	Evoqua Water Technologies LLC 5375 South Boyle Avenue, Los Angeles, CA 90058
7/9/2014	007764942FLE	WASTE FLAMMABLE LIQUIDS (BENZENE, OIL)	32	P		Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
		WASTE SODIUM HYDROXIDE SOLUTION	13	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS (WATER, HYDROCHLORIC ACID)	10	P		
7/11/2014	7081440	NON HAZARDOUS (WATER)	20	G	Environmental Recovery Services, Inc	Demunno Kerdoon 2000 N. Alameda Street, Compton, CA 90222
7/11/2014	013190888 JJK	PURGE WATER FROM WS-09A SEEP CLEANOUT	60	G		
7/30/2014	007765076FLE	WASTE FLAMMABLE LIQUIDS (METHANOL)	118	P	Clean Harbors Environmental Services Inc.	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
		WASTE SILVER NITRATE SOLUTION	6	P		
		HAZARDOUS WASTE, LIQUID (TRICHLOROETHYLENE)	3338	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS (HYDRAZINE SULFATE SOLUTION)	45	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS (POTASSIUM HYDROGEN PHTHALATE)	26	P		
7/30/2014	Y2555	NON HAZARDOUS (WATER)	114	P		Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029

* = manifest not reported in the quarterly DMR.

**TABLE II
LIQUID WASTE SHIPMENTS**

**2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
8/13/2014	006751835FLE	HAZARDOUS WASTE, LIQUID (TRICHLOROETHYLENE)	4580	P	Clean Harbors Environmental Services Inc.	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
9/9/2014	006752093FLE	WASTE FLAMMABLE LIQUIDS (METHANOL)	117	P		
		HAZARDOUS WASTE, LIQUID (TRICHLOROETHYLENE)	4586	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS (POTASSIUM BROMIDE)	49	P		
9/9/2014	Y2971	NON HAZARDOUS (WATER)	5410	P		Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029
9/9/2014	Y2972	NON HAZARDOUS (WATER)	59	P		
9/9/2014	Y2972	NON HAZARDOUS (WATER)	867	P	Clean Harbors Environmental Services Inc.	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
9/24/2014	008070125FLE	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES (TRICHLOROETHENE)	15	P		
9/29/2014	010392729JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	4700	G		Evoqua Water Technologies LLC 5375 South Boyle Avenue, Los Angeles, CA 90058
9/29/2014	010392731JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	3700	G		
9/30/2014	010392732JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	4600	G		Evoqua Water Technologies LLC
10/3/2014	010392733JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	22532	P		
10/3/2014	013367507JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	4800	G		
10/14/2014	006898211FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	55	G		Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
10/15/2014	008070249FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE, MUD)	379	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	137	P		Clean Harbors - Grassy Mountain LLC
10/15/2014	Y3369	NON HAZARDOUS (WATER)	41	P		
		NON HAZARDOUS (WATER)	87	P	Clean Harbors Environmental Services Inc	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
		WASTE METHANOL (METHANOL)	14	P		
		WASTE OXIDIZING LIQUID, CORROSIVE (NITRIC ACID)	37	P		
		WASTE SODIUM HYDROXIDE SOLUTION	8	P		
		WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC (HYDROCHLORIC ACID)	148	P		
10/29/2014	008070476FLE	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	1233	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	29	P		Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls, Grantsville, UT 84029
		NON RCRA HAZARDOUS WASTE LIQUIDS	6	P		
11/12/2014	Y3687	NON HAZARDOUS (WATER)	500	P		Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
		NON HAZARDOUS, NON REGULATED (DECON WATER)	308	P		
11/12/2014	010392655JJK	NON RCRA HAZARDOUS WASTE LIQUIDS	7	P	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029	
		NON RCRA HAZARDOUS WASTE LIQUIDS	11	P		
		WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC	11	P		
11/12/2014	010392735JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	2025	P		
		WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID	13	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	8	P	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029	
12/2/2014	010392656JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	497	P		
12/10/2014	010392657JJK	NON RCRA HAZARDOUS WASTE LIQUIDS	752	P	Clean Harbors Environmental Services Inc	Clean Harbors - Aragonite LLC 11600 North Aptus Road, Grantsville, UT 34029
		WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC	11	P		
12/10/2014	010392658JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	4377	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	56	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	42	P		
		NON RCRA HAZARDOUS WASTE LIQUIDS	13	P	Evoqua Water Technologies LLC 5375 South Boyle Avenue, Los Angeles, CA 90058	
12/17/2014	010392659JJK	HAZARDOUS WASTE LIQUID (TRICHLOROETHYLENE)	21047	P		

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
1/7/2014	32800	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G	Southwest Processors Inc. 4120 Bandini Blvd. Vernon, CA 90058	LACSD
1/7/2014	32801	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT (STP #2)	5000	G		
1/7/2014	32802	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT (STP #2)	5000	G		
1/14/2014	32834	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/14/2014	32835	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/14/2014	32836	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/21/2014	32867	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/21/2014	32868	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/21/2014	32869	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/28/2014	32901	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/28/2014	32902	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
1/28/2014	32903	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/4/2014	32935	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/4/2014	32936	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/4/2014	32937	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G	Southwest Processors Inc. 4120 Bandini Blvd. Vernon, CA 90058	
2/11/2014	32970	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/11/2014	32971	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/11/2014	32972	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/18/2014	33003	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/18/2014	33004	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/18/2014	33005	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/25/2014	33739	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/25/2014	33740A	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
2/25/2014	33740	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/4/2014	33777	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/4/2014	33778	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/4/2014	33779	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/11/2014	34522	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/11/2014	34523	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/11/2014	34524	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/18/2014	34562	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/18/2014	34563	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/18/2014	34564	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/25/2014	34598	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/25/2014	34599	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
3/25/2014	34600	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/1/2014	34631	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/1/2014	34632	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/1/2014	34633	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/8/2014	33785	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	15000	G		
4/15/2014	34661	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/15/2014	34662	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/15/2014	34663	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/22/2014	34728	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/22/2014	34729	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/22/2014	34730	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/29/2014	34761	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	4999	G		
4/29/2014	34762	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
4/29/2014	34763	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/6/2014	34796	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		

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NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
5/6/2014	34797	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G	Southwest Processors Inc. 4120 Bandini Blvd. Vernon, CA 90058	LACSD
5/6/2014	34798	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/13/2014	34838	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/13/2014	34839	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/13/2014	34840	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/20/2014	34873	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G	Southwest Processors Inc. 4120 Bandini Blvd. Vernon, CA 90058	
5/20/2014	34874	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/20/2014	34875	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/27/2014	34901	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/27/2014	34902	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
5/27/2014	34903	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/3/2014	34939	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/3/2014	34940	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/3/2014	34941	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/10/2014	34976	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/10/2014	34977	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/17/2014	35006	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/17/2014	35007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	10000	G		
6/24/2014	35038	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/24/2014	35039	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
6/24/2014	35040	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/1/2014	35072	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/1/2014	35074	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/9/2014	35113	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/9/2014	35114	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/9/2014	35815	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/15/2014	35839	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/15/2014	35841	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/22/2014	35871	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/22/2014	35872	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/22/2014	35873	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/29/2014	35902	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
7/29/2014	35903	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/5/2014	21953	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/5/2014	35139	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/5/2014	35140	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/12/2014	35170	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/12/2014	35171	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/19/2014	35212	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/19/2014	35213	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
8/19/2014	35915	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/2/2014	35970	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/2/2014	35971	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/15/2014	36038	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/15/2014	36039	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/23/2014	36071	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/23/2014	36073	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/30/2014	36072	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/30/2014	36111	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
9/30/2014	36112	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		

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SANTA SUSANA FIELD LABORATORY
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DATE SHIPPED	MANIFEST TRACKING NUMBER	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/7/2014	35244	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G	Southwest Processors Inc. 4120 Bandini Blvd. Vernon, CA 90058	LACSD
10/7/2014	35245	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/7/2014	35246	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/14/2014	35277	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/14/2014	35278	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/14/2014	36009	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/21/2014	35313	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/21/2014	35314	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/28/2014	35345	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/28/2014	35346	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
10/28/2014	35347	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/4/2014	35375	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/4/2014	35376	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/4/2014	35377	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/11/2014	35411	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/11/2014	35412	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/11/2014	35413	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/25/2014	36167	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/25/2014	36168	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
11/25/2014	36169	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/2/2014	36199	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/2/2014	36201	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/2/2014	36202	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/3/2014	36142	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/5/2014	35419	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/5/2014	35420	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/5/2014	35421	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/9/2014	35435	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/9/2014	35436	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/9/2014	35437	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/16/2014	35472	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/16/2014	35473	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/16/2014	35474	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/23/2014	35506	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/23/2014	36215	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/23/2014	36216	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/30/2014	36246	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/30/2014	36247	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		
12/30/2014	36248	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT (STP #1)	5000	G		

* = manifest not reported in the quarterly DMR.

**TABLE III
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DAILY MAX PERMIT LIMIT EXCEEDANCES									
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DRINKING WATER MAXIMUM CONTAMINANT LEVELS	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 009	WS-13 Drainage	2/28/2014	Grab	pH (Field)	6.5-8.5/-	6.5-8.5 ⁽³⁾	5.5	pH units	*
Outfall 009	WS-13 Drainage	3/1/2014	Comp	Lead	5.2/-	15	9.6	ug/L	--
Outfall 009	WS-13 Drainage	3/1/2014	Comp	TCDD TEQ w/out DNQ Values	2.80E-08	3.00E-05 ⁽⁴⁾	1.32E-07	ug/L	--
Outfall 009	WS-13 Drainage	12/13/2014	Comp	Lead	5.2/-	15	8.8	ug/L	--
Outfall 009	WS-13 Drainage	12/13/2014	Comp	TCDD TEQ w/out DNQ Values	2.80E-08	3.00E-05 ⁽⁴⁾	8.93E-08	ug/L	--
Outfall 009	WS-13 Drainage	12/17/2014	Comp	Lead	5.2/-	15	13	ug/L	--
Outfall 009	WS-13 Drainage	12/17/2014	Comp	TCDD TEQ w/out DNQ Values	2.80E-08	3.00E-05 ⁽⁴⁾	7.50E-08	ug/L	--
Outfall 010	Building 203	2/28/2014	Grab	Lead	5.2/-	15	5.6	ug/L	--
Outfall 010	Building 203	2/28/2014	Grab	TCDD TEQ w/out DNQ Values	2.80E-08	3.00E-05 ⁽⁴⁾	3.67E-08	ug/L	--

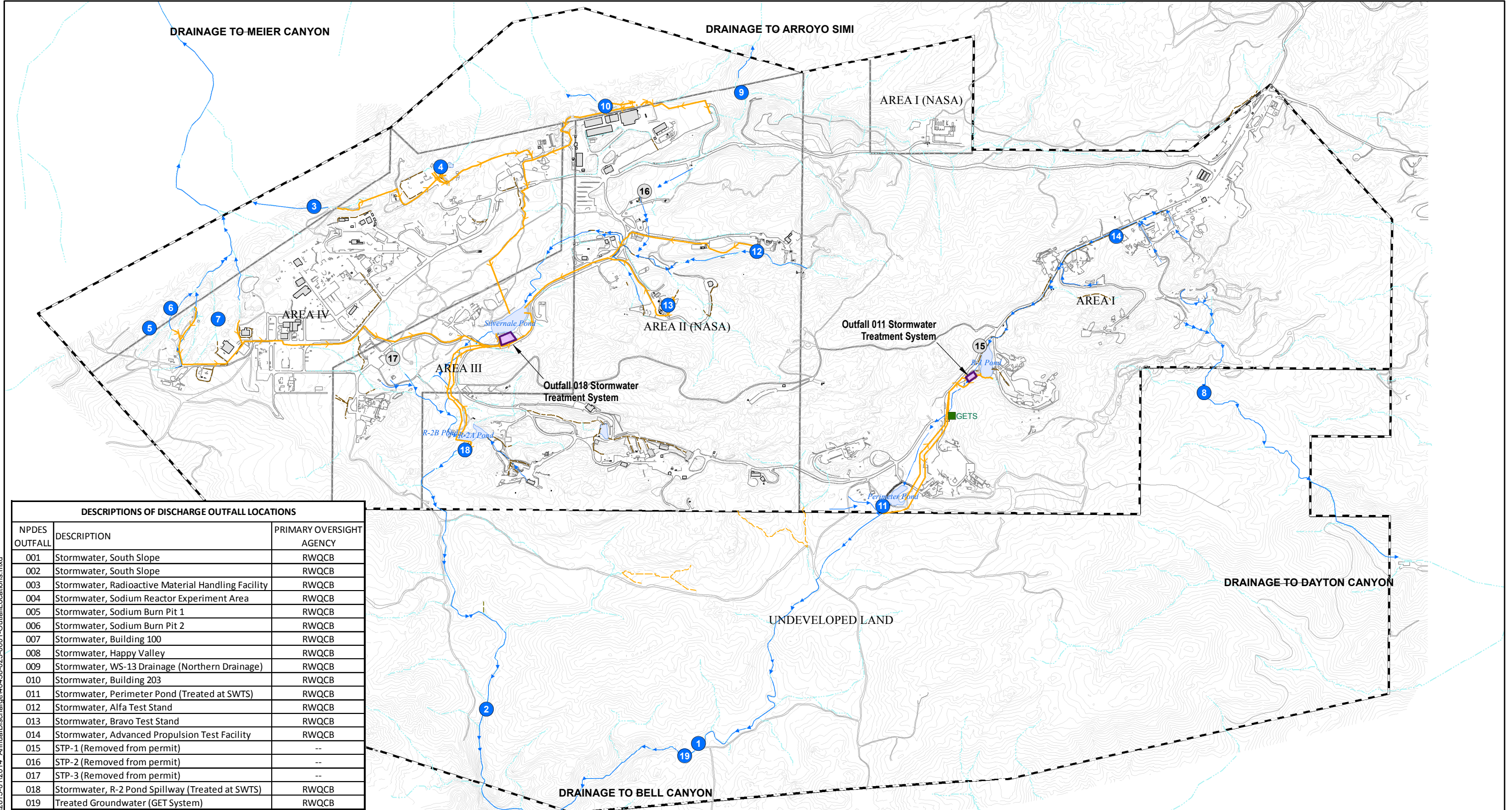
**TABLE III
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

SINGLE SAMPLE MAXIMUM RECEIVING WATER LIMIT EXCEEDANCES									
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DRINKING WATER MAXIMUM CONTAMINANT LEVELS	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Arroyo Simi	Frontier Park Receiving Water	2/28/2014	Grab	E. Coli	235/-	(5)	>=1,600	MPN/100mL	--
Arroyo Simi	Frontier Park Receiving Water	2/28/2014	Grab	Fecal Coliform	400/-	(5)	>=1,600	MPN/100mL	--
Arroyo Simi	Frontier Park Receiving Water	3/19/2014	Grab	E. Coli	235/-	(5)	540	MPN/100mL	--
Arroyo Simi	Frontier Park Receiving Water	3/19/2014	Grab	Fecal Coliform	400/-	(5)	540	MPN/100mL	--
Arroyo Simi	Frontier Park Receiving Water	3/19/2014	Grab	pH (Field)	6.1	6.5-8.5 ⁽³⁾	6.5-8.5	pH Units	*

GEOMETRIC MEAN RECEIVING WATER LIMIT EXCEEDANCES									
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DRINKING WATER MAXIMUM CONTAMINANT LEVELS	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Arroyo Simi	Frontier Park Receiving Water	02/28-3/24/2014	Grab	E. Coli	126	(5)	225	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	02/28-3/24/2014	Grab	Fecal Coliform	200	(5)	241	MPN/100 ml	--

FIGURES



DESCRIPTIONS OF DISCHARGE OUTFALL LOCATIONS		
NPDES OUTFALL	DESCRIPTION	PRIMARY OVERSIGHT AGENCY
001	Stormwater, South Slope	RWQCB
002	Stormwater, South Slope	RWQCB
003	Stormwater, Radioactive Material Handling Facility	RWQCB
004	Stormwater, Sodium Reactor Experiment Area	RWQCB
005	Stormwater, Sodium Burn Pit 1	RWQCB
006	Stormwater, Sodium Burn Pit 2	RWQCB
007	Stormwater, Building 100	RWQCB
008	Stormwater, Happy Valley	RWQCB
009	Stormwater, WS-13 Drainage (Northern Drainage)	RWQCB
010	Stormwater, Building 203	RWQCB
011	Stormwater, Perimeter Pond (Treated at SWTS)	RWQCB
012	Stormwater, Alfa Test Stand	RWQCB
013	Stormwater, Bravo Test Stand	RWQCB
014	Stormwater, Advanced Propulsion Test Facility	RWQCB
015	STP-1 (Removed from permit)	--
016	STP-2 (Removed from permit)	--
017	STP-3 (Removed from permit)	--
018	Stormwater, R-2 Pond Spillway (Treated at SWTS)	RWQCB
019	Treated Groundwater (GET System)	RWQCB

LEGEND

GROUNDWATER EXTRACTION TREATMENT SYSTEM (GETS)	DRAINAGE	STORMWATER CONVEYANCE PIPELINE WITH FLOW DIRECTION	EXISTING BUILDING/STRUCTURE
NPDES OUTFALL	Concrete Lined	DIRT ROAD	SURFACE WATER POND
FORMER NPDES OUTFALL	Disturbed	PAVED ROAD	SSFL PROPERTY BOUNDARY
STORMWATER TREATMENT SYSTEM	Graded	ELEVATION CONTOUR	ADMINISTRATIVE AREA BOUNDARY
EFFLUENT PATHWAY	Natural		

NOTES:

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- SWTS = STORM WATER TREATMENT SYSTEM.

0 1,200 2,400
SCALE IN FEET

HALEY ALDRICH

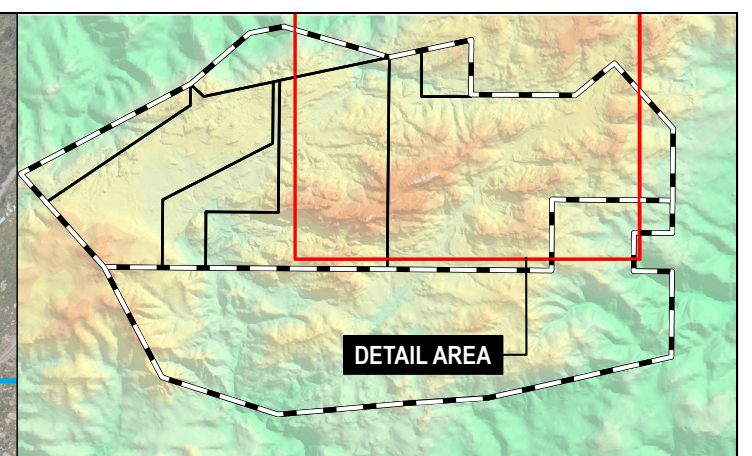
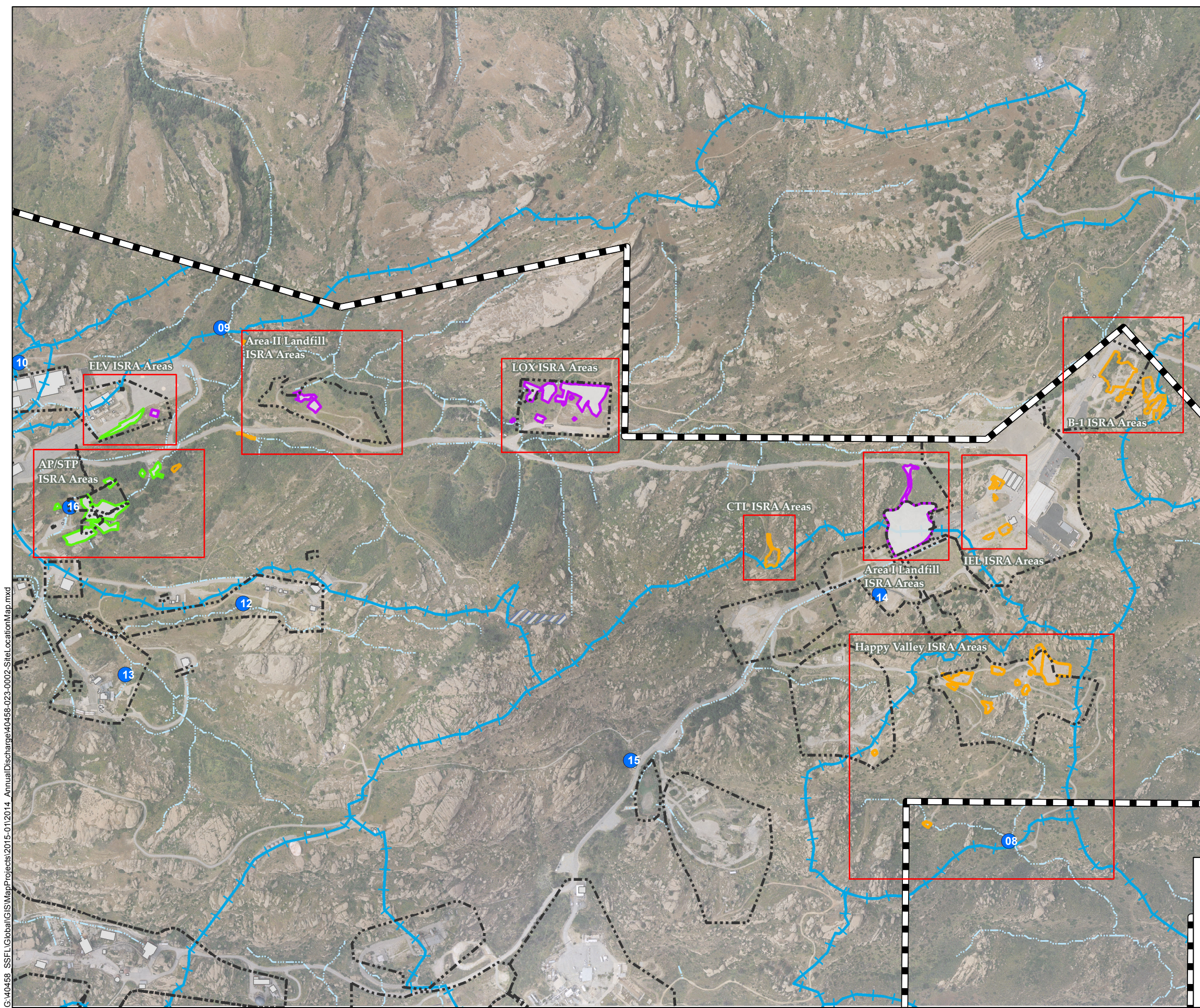
NPDES PERMIT COMPLIANCE
2014 ANNUAL DISCHARGE MONITORING REPORT
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

**SITE MAP WITH DRAINAGES,
OUTFALL LOCATIONS AND SWTS
CONVEYANCE PIPING**

SCALE: AS SHOWN
FEBRUARY 2015

FIGURE 1

G:\M0458-SSFL\GIS\MapProjects\2015-01\2014-AnnualDischarge\M0458-023-0001-OutfallLocations.mxd

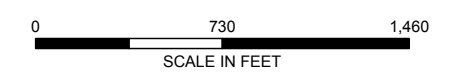


- LEGEND**
- ADMINISTRATIVE AREA BOUNDARY
 - RFI SITE BOUNDARY
 - ISRA COMPLETED EXCAVATION AREA
 - PLANNED ISRA EXCAVATION AREA
 - ISRA AREA WITH REMEDIATION IN-PROGRESS
 - ISRA SOIL BORROW AREA
 - EXISTING BUILDING OR STRUCTURE
 - MAJOR SURFACE WATER DIVIDE
 - MINOR SURFACE WATER DIVIDE
 - SURFACE WATER DRAINAGE
 - NPDES OUTFALL

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

CTL - COMPONENT TESTING LAB
 LOX - LIQUID OXYGEN
 ELV - EXPANDABLE LAUNCH VEHICLE
 IEL - INSTRUMENT AND EQUIPMENT LAB
 AP/STP - ASHPILE / SEWAGE TREATMENT PLANT



HALEY ALDRICH

NPDES PERMIT COMPLIANCE
 2014 ANNUAL DISCHARGE MONITORING REPORT
 SANTA SUSANA FIELD LABORATORY
 VENTURA COUNTY, CALIFORNIA

ISRA SITE LOCATION MAP

SCALE: AS SHOWN
 FEBRUARY 2015

FIGURE 2

G:\40458_SSF\GIS\MapProjects\2015-01\2014_AnnualDischarge\40458-023-0002-SiteLocationMap.mxd

APPENDIX A

2014 Site-wide BMP Activities

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
<p align="center">001 (South Slope below Perimeter Pond)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, drainage/watershed, and areas of disturbance or sparse vegetation. Performed maintenance on flume wall. Inspected the flume and outfall for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">002 (South Slope below R-2 Pond)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, drainage/watershed, and areas of disturbance or sparse vegetation. Replaced straw wattle behind autosamplers. Inspected the flume and outfall for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Completed maintenance inspections and reset the automated composite sampling equipment (autosamplers). Reset flow meter and replaced tape on a monthly basis.</p> <p><i>Monitoring Well RS-40 Access Road BMPs:</i> Completed placement of gravel and installation of rolling dips, water bars and a riprap apron/berm along the access road for monitoring well RS-40 within the Outfall 002 watershed.</p>
<p align="center">003 Radioactive Material Handling Facility (RMHF)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, drainage/watershed, and areas of disturbance or sparse vegetation. Installed a jute mat and straw wattle on one side of the media bed. Inspected the flume and outfall for sediment/debris. Checked sample box and flow meter control box for spiders and presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the stormwater filter, conveyance and retention systems. Connected conveyance piping from flume to autosamplers and sample drums as necessary. Reset flow meter and replaced tape on a monthly basis.</p>

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
<p align="center">004 Sodium Reactor Experiment (SRE)</p>	<p>Conducted erosion and sediment control inspections around the perimeter of the outfall, drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the flume, outfall and liner for sediment/debris. Replaced straw wattles around the swale and repaired worn felt in the upslope SRE area. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the stormwater filter, retention and conveyance systems. Completed inspections of dedicated retention tanks. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">005 Former Sodium Disposal Facility (FSDF)-1</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the flume and outfall for sediment/debris. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the stormwater retention tanks, conveyance system and sediment basin liner. Checked high level float switch in sedimentation basin. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">006 (FSDF-2)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Repaired damaged felt. Inspected the flume, outfall and liner for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the flow-through structure, conveyance system and retention tanks. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">007 (Building 100)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Removed leaves and standing water from pond area, trimmed dead branches from a tree in the outfall area, and repaired damaged felt. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the stormwater retention tanks, conveyance system and sediment basin liner. Observed sediment basin liner and outfall for excess sediment/debris or deficiencies. Checked high level float/switch in the sediment basin. Reset flow meter and replaced tape on a monthly basis.</p>

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
<p align="center">008 (Happy Valley)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the flume and outfall for sediment/debris. Cleared excess sediment from the flume. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">009 (WS-13 Drainage)</p>	<p><i>Outfall BMPs:</i> Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Replaced sandbags at top of flume and installed new straw wattles along hillside next to flume. Inspected flume and outfall for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and outfall area, and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.</p> <p><i>Hydroseed:</i> Applied hydroseed at ISRA areas: Instrument and Equipment Laboratories (IEL)-3 and Ash Pile/Sewage Treatment Plant (AP/STP)-1E, AP/STP-1B, and AP/STP-1C. Also applied hydroseed to portions of former Building 1324 parking lot after selective weeding.</p> <p><i>B-1 Area BMPs:</i> Replaced old, broken sandbags along the top of the B-1 gunite slope. Placed sandbags at curb cuts above the B-1 media filter drainage prior to forecast rain events and removed sediment built up behind the sandbags following each rain event.</p> <p><i>Culvert Modification (CM)-9:</i> Inspected riprap and culvert intake improvements made in 2013 in accordance with the ISRA SWPPP. Removed sediment built up within basins and replaced fabric covering weir boards at CM-1 through CM-6 and CM-8 through CM-12. Replaced old, worn fiber rolls on slope above CM-4. At CM-9, removed excess sediment and plant debris built up behind screened inlet to the perforated pipe along Area II Road, prior to and during rain events.</p> <p><i>IEL/Building 1436 Area:</i> Constructed two detention bioswales consisting of multiple Chambermaxx® structures. Installed asphalt curbs to divert surface water flow to concrete down chutes. Connected bioswale effluent piping to the Lower Parking Lot BMP. Placed topsoil and installed approximately 2,950 plantings in the bioswale surface area. Installed fiber rolls and hydroseeded graded surface.</p>

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
<p align="center">009 (WS-13 Drainage)</p>	<p><i>Restoration, Monitoring and Mitigation Plan (RMMP) BMPs:</i> Inspected plantings and pole cuttings in the Northern Drainage. Beginning in February, curtailed use of gel-packs and hand-watered plantings up to twice weekly. Performed selective weeding to remove invasive species near plantings. Inspected structural BMPs and monitored performance during rain events.</p> <p><i>National Aeronautics and Space Administration (NASA) ISRA BMPs:</i> Inspected the 2010, 2011/2012, and 2013 ISRA areas in accordance with the ISRA SWPPP. <i>Lower Parking Lot BMP:</i> Inspected plantings and continued implementing watering plan. Inspected cistern and sediment basin, including fiber rolls, the biofilter, and the riprap berm placed at the west end. Performed weed abatement around cistern. Drilled four holes into the concrete apron of the biofilter pond to allow infiltration and eliminate standing water. Removed minor amount of sediment from biofilter discharge box. Replaced sandbags near the cistern and biofilter.</p> <p><i>NASA-led activities:</i> Drained ELV storage tanks and removed sediment from collection basin during rain events. Added straw wattles to ELV drainage channel. Inspected temporary BMPs at LOX ISRA Areas and discharge points to Northern Drainage. Placed straw wattles at two new groundwater monitoring well locations near LOX and ELV.</p>
<p align="center">010 (Building 203)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Replaced sandbags around the media bed and began constructing stone walkway to outfall. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed landscaping and weed abatement as needed. Completed maintenance inspections of the structural BMPs including the flow-through structure and stormwater conveyance and retention systems. Ordered new conveyance pump. Reset flow meter and replaced tape on a monthly basis.</p>
<p align="center">011 (Perimeter Pond)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the flume, drainage area, perimeter of the outfall, pond, and conveyance system. Inspected outfall and weir for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the weir, flow-through structure, and pump and conveyance systems. Installed new pond intake pipe. Cleaned and reset the totalizer. Reset flow meter and replaced tape on a monthly basis.</p>

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
<p align="center">012 (ALFA Test Stand)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall for sediment/debris. Checked sample box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the flow-through structure, conveyance system and retention tank. Observed condition of the sandbag berm and replaced worn sandbags.</p>
<p align="center">013 (BRAVO Test Stand)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall for sediment/debris. Checked sample box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs including the flow-through structure, conveyance system and retention tank. Observed condition of the sand bag berm.</p>
<p align="center">014 Advanced Propulsion Test Facility (APTF)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Checked sample box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of the structural BMPs to observe the condition and integrity of the liner and berm.</p>
<p align="center">018 (R-2 Spillway)</p>	<p>Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area, and performed weed abatement as needed. Completed maintenance inspections of structural BMPs including the flow-through structure and conveyance system. Reset flow meter and replaced tape on a monthly basis.</p> <p><i>NASA-directed Activities:</i> Placed sandbags around SPA impoundments to increase erosion control. Hydroseeded near Alfa-Bravo Skim Pond impoundment following trenching and installation of groundwater extraction pipeline at monitoring well HAR-20. Replaced gravel on road leading to former Bravo control center.</p>

APPENDIX A

2014 SITE-WIDE BMP ACTIVITIES

OUTFALL (Location)	BMP ACTIVITIES
019 (GETS)	The GET system has been off since April 2013 and no pumping or discharge has occurred. Therefore, no NPDES sampling was performed in 2014. Conducted maintenance inspections of the structural BMPs. Cleaned dissipater screen as needed.
RSW-002 (Arroyo Simi Frontier Park)	Collected quarterly and annual receiving water samples and annual sediment sample. Conducted monthly receiving water inspections.

APPENDIX B

2014 Bioassessment Monitoring Report

Date: April 17th, 2014

To: Katherine Miller
Haley & Aldrich
600 South Meyer Avenue, Suite 100
Tucson, AZ 85701-2554

From: Scott Johnson
Laboratory Director
Aquatic Bioassay and Consulting Laboratories
29 N. Olive St.
Ventura, CA 93001



RE: BIOASSESSMENT SAMPLING FOR THE BOEING COMPANY AT THE SANTA SUSANA FIELD LABORATORY (2014)

This bioassessment report was prepared as required by and in accordance with National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309 (Permit) and under regulatory oversight of the Los Angeles Regional Water Quality Control Board (Regional Board). The Bioassessment Sampling and Analysis Plan for The Boeing Company at the Santa Susana Field Laboratory (SSFL) specifies that spring/summer bioassessment sampling occur from four to six weeks following the last major storm event of the 2014 rain season. This time period was established by, and is included in, the state-wide bioassessment protocols established by the State of California's Surface Water Ambient Monitoring Program (SWAMP 2007). Flowing water through a stream reach over this period of time is necessary for the aquatic benthic macroinvertebrate (BMI) community that might reside there to become established and ensures that valid BMI samples will be collected.

The 2013 to 2014 rain year was characterized by extreme drought conditions with a total of 4.94 inches of rain falling between July 2013 and March 2014. The last storm with significant rainfall occurred from February 26th to March 2nd (total = 4.20 inches) with trace rain falling on March 31st (Figure 1). On April 9th, 2014, six weeks after the last major rain event, the two NPDES permitted sites on the SSFL were visited by a biologist from Aquatic Bioassay and Consulting Laboratories to determine if bioassessment samples could be collected. Neither SSFL-001 nor SSFL-006 had flow and both were completely dry across their entire reaches (see photos).

If you have any questions regarding this memo or future sampling plans please contact me directly.

Sincerely,

Scott Johnson
Laboratory Director
805 643 5621 x 11



SSFL Rainfall (July 2013 to March 2014)

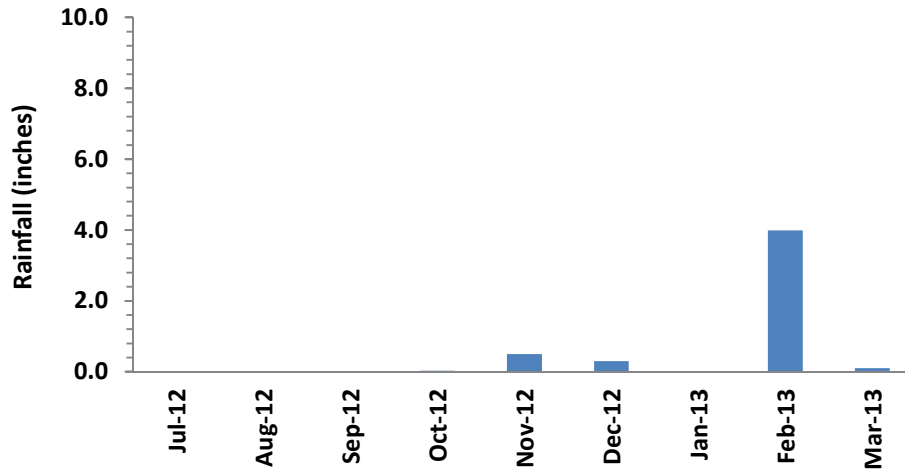
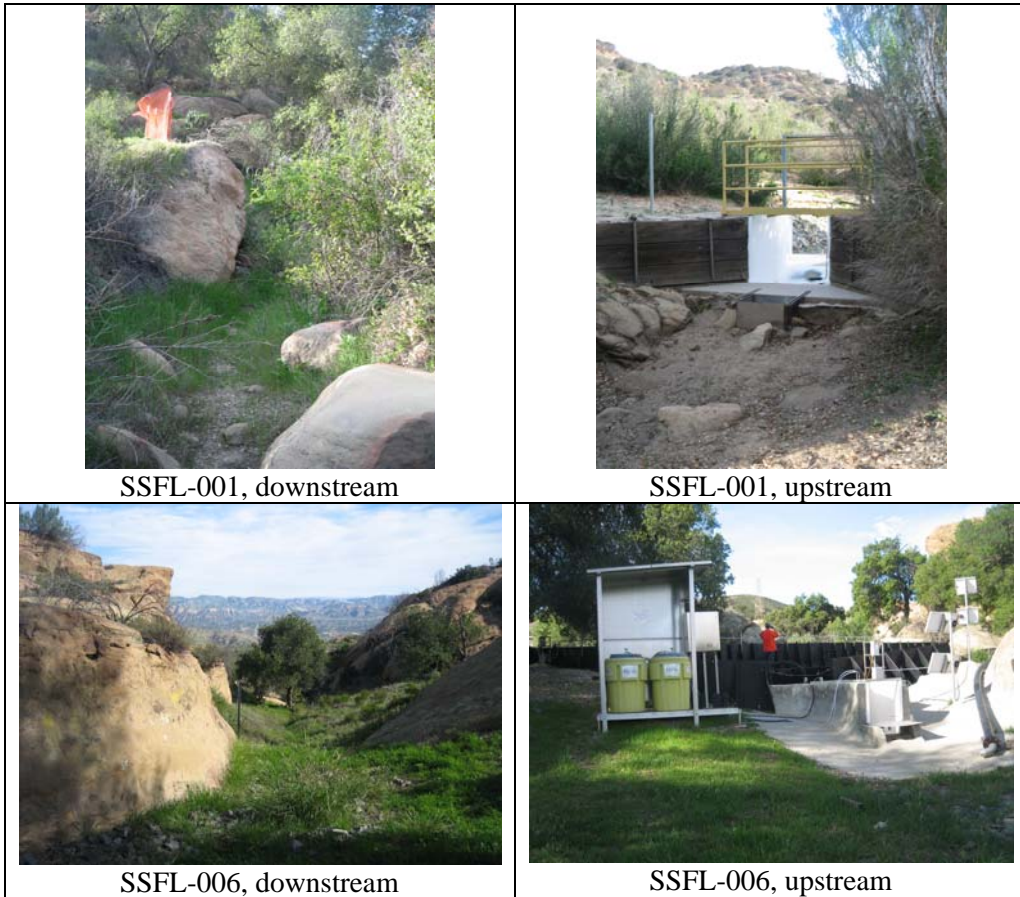


Figure 1. Rainfall (inches) measured July, 2013 to March, 2014 on SSFL.



Figure 2. Photos taken downstream and upstream of each permitted discharge point from the SSFL property (2014).



**ANNUAL 2014
REPORTING SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Notes:

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 37 of the NPDES permit.
2. pH was determined with a field instrument and was noted as such. These results were not validated.
3. All of the following abbreviations and/or notes may not occur on every table.
4. J(DNQ) flagged results are included in the data charts; however, these results are considered to be estimated values and as such are not used to quantify the chemical concentration for compliance purposes. ND results are included in the data charts and are shown as zero. Refer to Appendix H for a list of reporting limits by constituent.
5. pH and temperature are identified on the table as daily maximum discharge limits. The NPDES permit limit has an instantaneous minimum (6.5) and maximum (8.5) for pH and an instantaneous maximum of 86°F for temperature.

- 92.9 +/-200 A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition. Radiological results are presented as activity plus or minus counting uncertainty.
- \$ reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator
- based on validation of the data, a qualifier was not required
- /- no permit limit established for daily maximum or monthly average
- <(value) analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)
- * result not validated
- ** Flow for each outfall is calculated over the 24-hour period when the outfall autosampler is operating to collect the composite sample. See definition of "Daily Discharge" on page A-1 of Attachment A of the permit.
- *1 improper preservation of sample
- *2 the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J)
- *3 initial and or continuing calibration recoveries were outside acceptable control limits

**ANNUAL 2014
REPORTING SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

*5	blank spike/blank spike duplicate relative percent difference was outside the control limit
*10	value was estimated detect or estimated non detect (J,UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as Estimated Maximum Possible Concentration (EMPC) values
*11	no calibration was performed for this compound; result is reported as a tentatively identified compound (TIC)
* II *III	Unusual problems found with the data that have been described in Section II, "sample management", or Section III, "method analysis". The number following the asterisk (*) will indicated the validation report section where a description of the problem can be found.
ANR	analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed over the reporting period (annual, semi-annual, etc.)
B	laboratory method blank contamination
BA	relative percent difference out of control
BEF	bioaccumulation equivalency factor
BU	analyzed out of holding time
BV	sample received after holding time expired
C	calibration %RSD or %D were noncompliant
Comp	Composite sample type
C5	Calibration verification %R was outside method control limits
CEs/100 ml	cell equivalents per 100 milliliters
D	The analysis with this flag should not be used because another more technically sound analysis is available
%D	percent difference between the initial and continuing calibration relative response factors
deg F	degrees Fahrenheit
DL	detection limit
DNQ	detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less then the laboratory reporting limit)
E	duplicates show poor agreement
ft/sec	feet per second
H	holding time was exceeded
I	ICP interference check solution results were unsatisfactory
J	estimated value, result lower than the detection limit
J, DX	estimated value, value < lowest standard (MQL), but > than MDL
K	The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 mg/l. Therefore, the reported result is an estimated value only.

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L2	the laboratory control sample %R was below the method control limits
L	laboratory control sample %R was outside control limits
lbs/day	Pounds per day
LOD	limit of detection
LQ	LCS/LCSD recovery above method control limits
M1	matrix spike (MS) and/or MS duplicate were above the acceptance limits due to sample matrix interference
M2	the MS and/or MS duplicate were below the acceptance limits due to sample matrix interference
MDA/MDC	minimum detectable activity/ minimum detectable concentration
MDL	method detection limit
Meas	Measure sample type
MFL	million fibers per liter
MGD	million gallons per day
MHA*	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	milligrams per liter
mg/kg	milligrams per kilogram
ml/L/hr	milliliters per liter per hour
MPN/100 ml	most probable number per 100 milliliters
NA	not applicable; no permit limit established for the constituent and/or outfall
ND	analyte value less than the LOD or MDL
NM	not measured or determined
NTU	nephelometric turbidity unit
pCi/L	picocuries per liter
Q	matrix spike recovery outside of control limits
R	as a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified
R	(reason code in parentheses) %R for calibration not within control limits
RL	laboratory reporting limit
RL-1	reporting limit raised due to sample matrix effects
%RSD	percent relative standard deviation
% survival	percent survival
S	surrogate recovery was outside control limits
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ	toxic equivalent
T	presumed contamination, as indicated by a detect in the trip blank
TU _c	toxicity units (chronic)
U	result not detected
µg/L	micrograms per liter
µg/kg	micrograms per kilogram

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- UJ result not detected at the estimated reporting limit
umhos/cm micromhos per centimeter
WHO TEF World Health Organization toxic equivalency factor
^ analysis not completed due to hold time exceedence or insufficient sample volume
- # Per ORDER NO. R4-2010-0090 page 23 Footnote 1. The effluent limitations for total suspended solids and settleable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inches of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
- (1) Based on the permit, table E-3 footnote 2, receiving water samples for pH and hardness must be collected at the same time as effluent samples.
- (2) additional sample, not required by the permit
- (4.0)3.1/- Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.
- (3) Secondary Maximum Contaminant Level
- (4) The drinking water maximum containant level of 3.00E-05 is for the dioxin congener 2,3,7,8-TCDD. TCDD TEQ w/out DNQ Values is the sum of the products of the detected dioxin congener concentration multiplied by that congener's toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF). There are 17 dioxin congeners.
- (5) No more than 5.0% samples total coliform-positive (TC-positive) in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.

APPENDIX C

Outfall 002 – South Slope below R-2 Ponds

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2014

				12/12/2014 (Grab) - 12/13/2014 (Comp.)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	17.89/-	1/Discharge	Meas	0.089227	*
CONVENTIONAL POLLUTANTS						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30/20	1/Discharge	Composite	3.7	--
Oil & Grease	mg/L	15/10	1/Discharge	Grab	ND < 1.4	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	6.89	*
Total Suspended Solids	mg/L	45/15	1/Discharge	Composite	4.3	--,#
PRIORITY POLLUTANTS						
1,1-Dichloroethene	ug/L	6.0/3.2	1/Discharge	Grab	ND < 0.25	*
1,2-Dichloroethane	ug/L	0.5/-	1/Discharge	Grab	ND < 0.25	*
2,4,6-Trichlorophenol	ug/L	13/6.5	1/Discharge	Composite	ND < 0.478	*
2,4-Dinitrotoluene	ug/L	18/9.1	1/Discharge	Composite	ND < 1.91	*
alpha-BHC	ug/L	0.03/0.01	1/Discharge	Composite	ND < 0.0024	*
Antimony	ug/L	6.0/-	1/Year	Composite	ND < 0.5	U
Arsenic	ug/L	10/-	1/Year	Composite	5.7	J (DNQ)
Beryllium	ug/L	4.0/-	1/Year	Composite	ND < 1	U
Bis (2-Ethylhexyl) Phthalate	ug/L	4.0/-	1/Discharge	Composite	ND < 1.91	*
Cadmium	ug/L	(4.0)3.1/2.0	1/Discharge	Composite	ND < 0.25	U
Chromium VI	ug/L	16/8	1/Year	Composite	ND < 0.25	*
Copper	ug/L	14/7.1	1/Discharge	Composite	3.2	--
Cyanide	ug/L	8.5/4.3	1/Discharge	Composite	ND < 2.5	*
Lead	ug/L	5.2/2.6	1/Discharge	Composite	ND < 0.5	U (\$)
Mercury	ug/L	0.10/0.05	1/Discharge	Composite	ND < 0.1	*
Nickel	ug/L	96/35	1/Year	Composite	ND < 5	U
N-Nitrosodimethylamine	ug/L	16/8.1	1/Discharge	Composite	ND < 0.957	*
Pentachlorophenol	ug/L	16.5/8.2	1/Discharge	Composite	ND < 0.957	*
Selenium	ug/L	(8.2)5/4.1	1/Discharge	Composite	ND < 0.5	UJ (I)
Silver	ug/L	4.1/2.0	1/Year	Composite	ND < 5	U
Thallium	ug/L	2.0/-	1/Year	Composite	ND < 0.5	U
Trichloroethene	ug/L	5.0/-	1/Discharge	Grab	ND < 0.25	*
Zinc	ug/L	119/54	1/Discharge	Composite	ND < 10	U
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	Grab	100	*
Ammonia - N	mg/L	10.1/1.96	1/Discharge	Composite	0.206	J (R)
Barium	mg/L	1.0/-	1/Year	Composite	0.0013	--
Chloride	mg/L	150/-	1/Discharge	Composite	5.3	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.042	*
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Composite	1.0	*
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.063	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	Composite	0.18	--
Iron	mg/L	0.3/-	1/Year	Composite	0.3	--
Manganese	ug/L	50/-	1/Year	Composite	ND < 10	U
Nitrate - N	mg/L	8/-	1/Discharge	Composite	3.5	--
Nitrite - N	mg/L	1/-	1/Discharge	Composite	ND < 0.07	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	3.5	--
Perchlorate	ug/L	6.0/-	1/Discharge	Composite	ND < 0.95	*
Settleable Solids	ml/L/hr	0.3/0.1	1/Discharge	Grab	ND < 0.10	*,#
Sulfate	mg/L	300/-	1/Discharge	Composite	9.8	--
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	65.5	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	120	--
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1,2-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
1,2-Dichloropropane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
2,4-Dichlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.957	*
2,4-Dimethylphenol	ug/L	-/-	1/Year	Composite	ND < 0.957	*
2,4-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	*
2,6-Dinitrotoluene	ug/L	-/-	1/Year	Composite	ND < 1.91	*
2-Chloroethylvinylether	ug/L	-/-	1/Year	Grab	ND < 1	*
2-Chloronaphthalene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
2-Chlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.478	*
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	*
2-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 0.957	*
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	Composite	ND < 1.91	*
4,4'-DDD	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	1/Year	Composite	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.478	*
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	Composite	ND < 0.191	*
4-Chlorophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.191	*
4-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Acenaphthene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Acenaphthylene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Acrolein	ug/L	-/-	1/Year	Grab	ND < 2.5	*
Acrylonitrile	ug/L	-/-	1/Year	Grab	ND < 1	*
Aldrin	ug/L	-/-	1/Year	Composite	ND < 0.0014	*
Anthracene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Benzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Benzidine	ug/L	-/-	1/Year	Composite	ND < 4.78	*
Benzo(a)anthracene	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Benzo(a)pyrene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Benzo(b)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.957	*
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Benzo(k)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.239	*
beta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Bromodichloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Bromoform	ug/L	-/-	1/Year	Grab	ND < 0.4	*
Bromomethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Butylbenzylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Carbon Tetrachloride	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chlordane	ug/L	-/-	1/Year	Composite	ND < 0.076	*
Chlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chloroethane	ug/L	-/-	1/Year	Grab	ND < 0.4	*
Chloroform	ug/L	-/-	1/Year	Grab	ND < 0.25	*

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chromium	ug/L	-/-	1/Year	Composite	ND < 2.5	--
Chrysene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
delta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	Composite	ND < 0.239	*
Dibromochloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Dieldrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Dimethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.239	*
Di-n-butylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.957	*
Di-n-octylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Endosulfan I	ug/L	-/-	1/Year	Composite	ND < 0.0028	*
Endosulfan II	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Endosulfan Sulfate	ug/L	-/-	1/Year	Composite	ND < 0.0028	*
Endrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Endrin Aldehyde	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Ethylbenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Fluorene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Heptachlor	ug/L	-/-	1/Year	Composite	ND < 0.0028	*
Heptachlor Epoxide	ug/L	-/-	1/Year	Composite	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Hexachlorobutadiene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	Composite	ND < 1.91	*
Hexachloroethane	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	Composite	ND < 0.957	*
Isophorone	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Lindane (gamma-BHC)	ug/L	-/-	1/Year	Composite	ND < 0.0028	*
Methylene chloride	ug/L	-/-	1/Year	Grab	ND < 0.88	*
Naphthalene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Nitrobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	*
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	Composite	ND < 0.957	*
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Phenanthrene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Phenol	ug/L	-/-	1/Year	Composite	ND < 0.478	*
Pyrene	ug/L	-/-	1/Year	Composite	ND < 0.191	*
Tetrachloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Toluene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Toxaphene	ug/L	-/-	1/Year	Composite	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Trichlorofluoromethane	ug/L	-/-	1/Year	Composite	ND < 0.25	*
Vinyl chloride	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Xylenes (Total)	ug/L	-/-	1/Year	Grab	ND < 0.5	*

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	1/Year	Grab	ND < 1	*
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	-/-	1/Quarter	Grab	ND < 0.5	*
1,4-Dioxane	ug/L	-/-	1/Year	Composite	ND < 0.5	*
Aroclor 1016	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1221	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1232	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1242	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1248	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1254	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1260	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Boron	mg/L	-/-	1/Year	Composite	0.059	--
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Cobalt	ug/L	-/-	1/Year	Composite	ND < 2.5	U
Conductivity at 25 °C	µmhos/cm	-/-	1/Discharge	Grab	210	--
Cyclohexane	ug/L	-/-	1/Year	Grab	ND < 1	*
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	Grab	ND < 0.025	U
Dissolved Oxygen (Field)	mg/L	-/-	1/Discharge	Grab	7.72	*
E. Coli	MPN/100mL	-/-	1/Year	Grab	540	--
Fecal Coliform	MPN/100mL	-/-	1/Year	Grab	540	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	Grab	ND < 0.095	U
Hardness	mg/L	-/-	1/Year	Composite	52	--
Monomethyl hydrazine	ug/L	-/-	1/Year	Composite	ND < 0.25	*
Total organic carbon	mg/L	-/-	1/Year	Composite	23	--
Turbidity	NTU	-/-	1/Discharge	Grab	8.7	--
Vanadium	ug/L	-/-	1/Year	Composite	ND < 5	U
ADDITIONAL POLLUTANTS						
Antimony, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Arsenic, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Barium, dissolved	ug/L	-/-	Additional	Composite	12	--
Beryllium, dissolved	ug/L	-/-	Additional	Composite	ND < 1	U
Boron, dissolved	mg/L	-/-	Additional	Composite	0.061	--
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Chromium, dissolved	ug/L	-/-	Additional	Composite	ND < 2.5	U
Cobalt, dissolved	ug/L	-/-	Additional	Composite	ND < 2.5	U
Copper, dissolved	ug/L	-/-	Additional	Composite	2.6	--
Hardness, dissolved	mg/L	-/-	Additional	Composite	50	--
Iron, dissolved	mg/L	-/-	Additional	Composite	0.05	--
Lead, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Manganese, dissolved	ug/L	-/-	Additional	Composite	ND < 10	U
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	*
Nickel, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Selenium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	UJ (I)
Silver, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Zinc, Dissolved	ug/L	-/-	Additional	Composite	ND < 10	U

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	17.89/-	1/Discharge	Meas	0.063369	*
CONVENTIONAL POLLUTANTS						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30/20	1/Discharge	Composite	1.4	J (DNQ)
Oil & Grease	mg/L	15/10	1/Discharge	Grab	ND < 1.3	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	7.11	*
Total Suspended Solids	mg/L	45/15	1/Discharge	Composite	2.1	--,#
PRIORITY POLLUTANTS						
1,1-Dichloroethene	ug/L	6.0/3.2	1/Discharge	Grab	ND < 0.25	*
1,2-Dichloroethane	ug/L	0.5/-	1/Discharge	Grab	ND < 0.25	*
2,4,6-Trichlorophenol	ug/L	13/6.5	1/Discharge	Composite	ND < 0.503	*
2,4-Dinitrotoluene	ug/L	18/9.1	1/Discharge	Composite	ND < 2.01	*
alpha-BHC	ug/L	0.03/0.01	1/Discharge	Composite	ND < 0.0026	*
Antimony	ug/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	10/-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	4.0/-	1/Discharge	Composite	ND < 2.01	*
Cadmium	ug/L	(4.0)3.1/2.0	1/Discharge	Composite	ND < 0.25	U
Chromium VI	ug/L	16/8	1/Year	ANR	ANR	ANR
Copper	ug/L	14/7.1	1/Discharge	Composite	3.4	U (B)
Cyanide	ug/L	8.5/4.3	1/Discharge	Composite	ND < 2.5	*
Lead	ug/L	5.2/2.6	1/Discharge	Composite	ND < 0.5	U
Mercury	ug/L	0.10/0.05	1/Discharge	Composite	ND < 0.1	*
Nickel	ug/L	96/35	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	16/8.1	1/Discharge	Composite	ND < 1.01	*
Pentachlorophenol	ug/L	16.5/8.2	1/Discharge	Composite	ND < 1.01	*
Selenium	ug/L	(8.2)5/4.1	1/Discharge	Composite	ND < 0.5	UJ (I)
Silver	ug/L	4.1/2.0	1/Year	ANR	ANR	ANR
Thallium	ug/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	1/Discharge	Grab	ND < 0.25	*
Zinc	ug/L	119/54	1/Discharge	Composite	5.8	J (DNQ)
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	ANR	ANR	ANR
Ammonia - N	mg/L	10.1/1.96	1/Discharge	Composite	0.239	J (R)
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	5.5	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.0	*(2)
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Composite	1.0	*
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.053	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	Composite	0.27	-- (2)
Manganese	ug/L	50/-	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8/-	1/Discharge	Composite	1.8	--
Nitrite - N	mg/L	1/-	1/Discharge	Composite	ND < 0.070	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.8	--
Perchlorate	ug/L	6.0/-	1/Discharge	Composite	ND < 0.95	*
Settleable Solids	ml/L/hr	0.3/0.1	1/Discharge	Composite	ND < 0	U, #
Sulfate	mg/L	300/-	1/Discharge	Composite	10	--
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	49.57	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	170	--
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR

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January 1 through December 31, 2014

				12/17/2014 (Grab) - 12/18/2014 (Comp.)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benztidine	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	ug/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	1/Year	ANR	ANR	ANR

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January 1 through December 31, 2014

				12/17/2014 (Grab) - 12/18/2014 (Comp.)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	-/-	1/Quarter	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	ug/L	-/-	1/Year	ANR	ANR	ANR
Conductivity at 25 °C	µmhos/cm	-/-	1/Discharge	Grab	180	--
Cyclohexane	ug/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-/-	1/Discharge	Grab	4.90	*
E. Coli	MPN/100mL	-/-	1/Year	Grab	71	-- (2)
Fecal Coliform	MPN/100mL	-/-	1/Year	Grab	71	-- (2)
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	ug/L	-/-	1/Year	ANR	ANR	ANR
Total organic carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Grab	8.7	--
Vanadium	ug/L	-/-	1/Year	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Antimony, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Barium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Chromium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	Additional	Composite	2.9	--
Hardness, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional	Composite	26	U (B)
Lead, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Manganese, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	*
Nickel, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	UJ (I)
Silver, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	Additional	Composite	3.7	J (DNQ)

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 13, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	4.72E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	4.72E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	4.72E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	9.40E-06	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	9.40E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	9.44E-05	2.02E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.20E-05	9.44E-05	9.00E-07	UJ (*III)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								ND

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 18, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	5.19E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	5.19E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	5.19E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	1.04E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	1.04E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	1.04E-04	4.38E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.20E-05	1.04E-04	ND	U	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								ND

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/13/2014 (Composite)			12/18/2014 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
NON-CONVENTIONAL POLLUTANTS									
Gross Alpha	pCi/L	15/-	1/Discharge	-0.942 ± 0.943	2.05	UJ (C)	1.23 ± 1.12	1.74	UJ (C)
Gross Beta	pCi/L	50/-	1/Discharge	3.86 ± 0.915	0.980	J (DNQ)	2.69 ± 0.797	0.933	J (DNQ)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.0191 ± 0.435	0.775	U	-0.0343 ± 0.365	0.657	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.394 ± 0.444	NA	UJ (C)	0.427 ± 0.284	NA	UJ (C)
Tritium	pCi/L	20000/-	1/Discharge	-40.5 ± 171	322	U	69.4 ± 184	321	U
ADDITIONAL POLLUTANTS									
Cesium 137	pCi/L	200/-	1/Discharge	-2.27 ± 7.6	13.5	U	-2.12 ± 7.48	13.4	U
Uranium, Total	pCi/L	20/-	1/Discharge	0.198 ± 0.47	0.902	U	0.110 ± 0.372	0.800	U
ADDITIONAL POLLUTANTS WITHOUT LIMITS									
Potassium-40	pCi/L	-/-	1/Discharge	-81.3 ± 3250	242	U	-79.6 ± 6790	202	U

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12//2014 (Grab) - 12/13/2014 (Comp.)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	17.89/-	1/Discharge	Meas	0.089227	*
CONVENTIONAL POLLUTANTS						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	40,032/26,700	1/Discharge	Composite	2.8	--
Oil & Grease	LBS/DAY	20,016/13,344	1/Discharge	Grab	ND	*
Total Suspended Solids	LBS/DAY	60,048	1/Discharge	Composite	3.2	--
PRIORITY POLLUTANTS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	1/Discharge	Grab	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	1/Discharge	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	1/Discharge	Composite	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	1/Discharge	Composite	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	1/Discharge	Composite	ND	*
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	5.3/-	1/Discharge	Composite	ND	*
Cadmium	LBS/DAY	(5.3)4.1/2.7	1/Discharge	Composite	ND	U
Chromium VI	LBS/DAY	22/11	1/Year	Composite	ND	*
Copper	LBS/DAY	19/10	1/Discharge	Composite	0.0024	--
Cyanide	LBS/DAY	11/5.7	1/Discharge	Grab	ND	*
Lead	LBS/DAY	6.9/3.5	1/Discharge	Composite	ND	U (\$)
Mercury	LBS/DAY	0.13/0.07	1/Discharge	Composite	ND	*
Nickel	LBS/DAY	128/47	1/Year	Composite	ND	U
N-Nitrosodimethylamine	LBS/DAY	22/11	1/Discharge	Composite	ND	*
Pentachlorophenol	LBS/DAY	22/11	1/Discharge	Composite	ND	*
Selenium	LBS/DAY	(11)6.7/5.5	1/Discharge	Composite	ND	UJ (I)
Silver	LBS/DAY	5.5/2.7	1/Year	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	1/Discharge	Composite	ND	--
Thallium	LBS/DAY	2.7/-	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	6.7/-	1/Discharge	Grab	ND	*
Zinc	LBS/DAY	159/72	1/Discharge	Composite	ND	U
NON-CONVENTIONAL POLLUTANTS						
Ammonia - N	LBS/DAY	13,500/2,615	1/Discharge	Composite	0.153	J (R)
Barium	LBS/DAY	1,330/-	1/Year	Composite	0.0097	--
Chloride	LBS/DAY	200,160/-	1/Discharge	Composite	3.9	--
Chlorine, Total Residual	LBS/DAY	133/-	1/Year	Grab	0.031	*
Detergents (as MBAS)	LBS/DAY	667/-	1/Discharge	Composite	0.047	J (DNQ)
Fluoride	LBS/DAY	2,135/-	1/Year	Composite	0.13	--
Iron	LBS/DAY	400/-	1/Year	Composite	0.22	--
Manganese	LBS/DAY	667	1/Year	Composite	ND	U
Nitrate - N	LBS/DAY	10,700/-	1/Discharge	Composite	2.6	--
Nitrite - N	LBS/DAY	1,334/-	1/Discharge	Composite	ND	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	1/Discharge	Composite	2.6	--
Perchlorate	LBS/DAY	8.0/-	1/Discharge	Composite	ND	*
Sulfate	LBS/DAY	400,320/-	1/Discharge	Composite	7.3	--
Total Dissolved Solids	LBS/DAY	1,270,000/-	1/Discharge	Composite	89.3	--

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

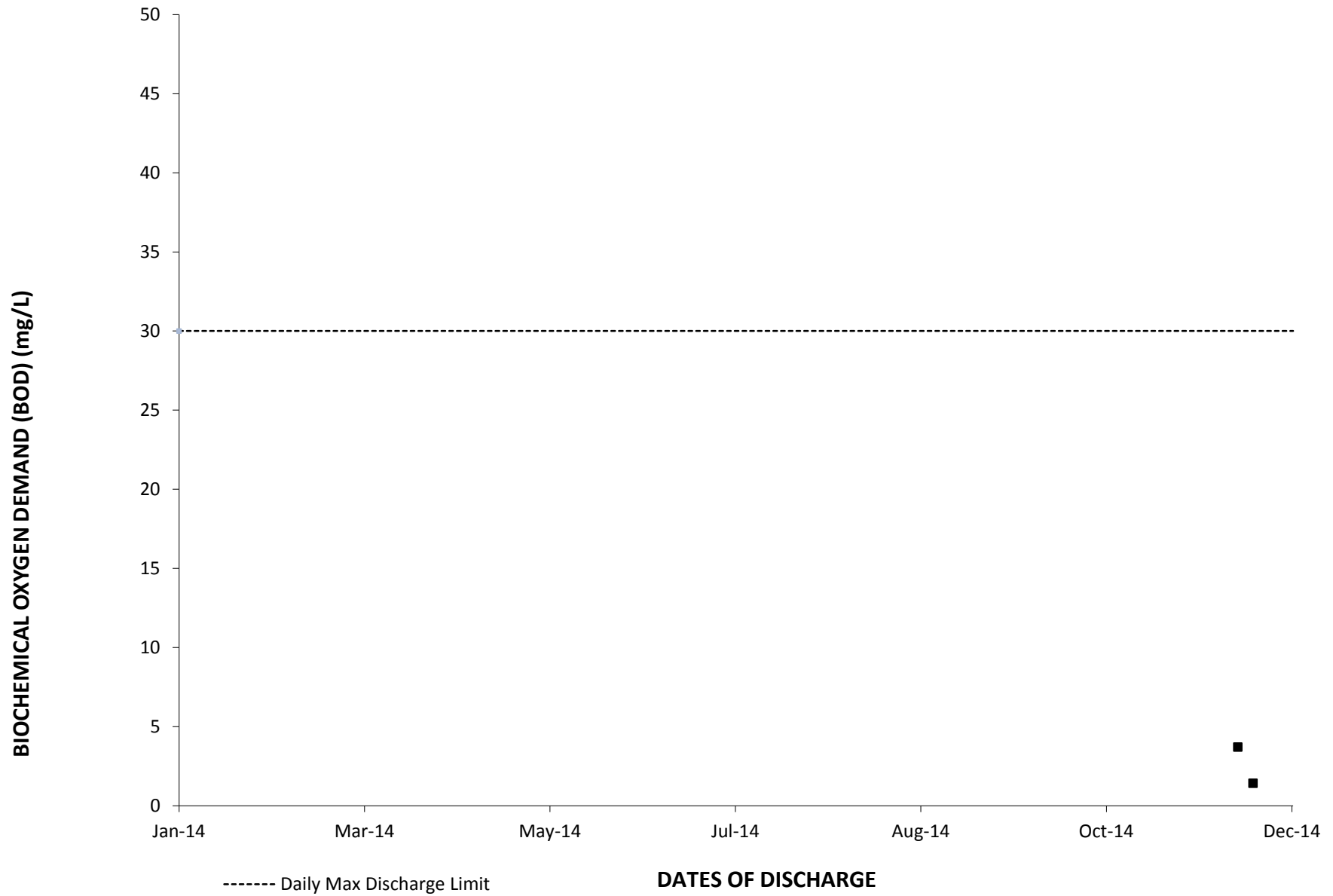
January 1 through December 31, 2014

				12/17//2014 (Grab) - 12/18/2014 (Comp.)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	17.89/-	1/Discharge	Meas	0.063369	*
CONVENTIONAL POLLUTANTS						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	40,032/26,700	1/Discharge	Composite	0.74	J (DNQ)
Oil & Grease	LBS/DAY	20,016/13,344	1/Discharge	Grab	ND	*
Total Suspended Solids	LBS/DAY	60,048	1/Discharge	Composite	1.1	--
PRIORITY POLLUTANTS						
1,1-Dichloroethene	LBS/DAY	8.0/4.3	1/Discharge	Grab	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	1/Discharge	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	1/Discharge	Composite	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	1/Discharge	Composite	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	1/Discharge	Composite	ND	*
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	5.3/-	1/Discharge	Composite	ND	*
Cadmium	LBS/DAY	(5.3)4.1/2.7	1/Discharge	Composite	ND	U
Chromium VI	LBS/DAY	22/11	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	19/10	1/Discharge	Composite	0.0018	U (B)
Cyanide	LBS/DAY	11/5.7	1/Discharge	Composite	ND	*
Lead	LBS/DAY	6.9/3.5	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.13/0.07	1/Discharge	Composite	ND	*
Nickel	LBS/DAY	128/47	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	22/11	1/Discharge	Composite	ND	*
Pentachlorophenol	LBS/DAY	22/11	1/Discharge	Composite	ND	*
Selenium	LBS/DAY	(11)6.7/5.5	1/Discharge	Composite	ND	UJ (1)
Silver	LBS/DAY	5.5/2.7	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	1/Discharge	Composite	ND	--
Thallium	LBS/DAY	2.7/-	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	1/Discharge	Grab	ND	*
Zinc	LBS/DAY	159/72	1/Discharge	Composite	0.0031	J (DNQ)
NON-CONVENTIONAL POLLUTANTS						
Ammonia - N	LBS/DAY	13,500/2,615	1/Discharge	Composite	0.126	J (R)
Barium	LBS/DAY	1,330/-	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	200,160/-	1/Discharge	Composite	2.9	--
Chlorine, Total Residual	LBS/DAY	133/-	1/Year	Grab	0.0	* (2)
Detergents (as MBAS)	LBS/DAY	667/-	1/Discharge	Composite	0.028	J (DNQ)
Fluoride	LBS/DAY	2,135/-	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	400/-	1/Year	Composite	0.14	-- (2)
Manganese	LBS/DAY	667	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	10,700/-	1/Discharge	Composite	1.0	--
Nitrite - N	LBS/DAY	1,334/-	1/Discharge	Composite	ND	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	1/Discharge	Composite	1.0	--
Perchlorate	LBS/DAY	8.0/-	1/Discharge	Composite	ND	*
Sulfate	LBS/DAY	400,320/-	1/Discharge	Composite	5.3	--
Total Dissolved Solids	LBS/DAY	1,270,000/-	1/Discharge	Composite	89.8	--

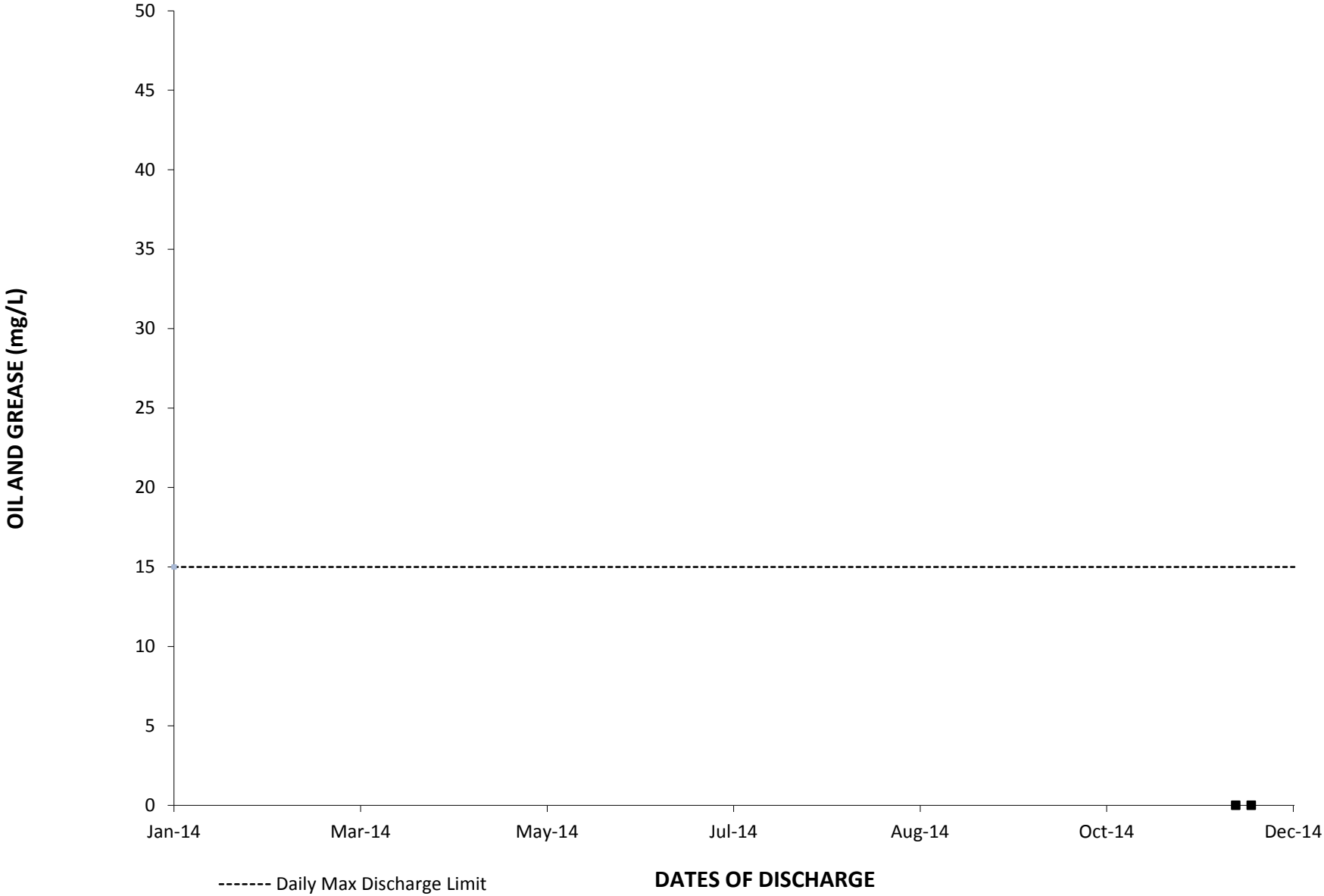
ANALYTICAL RESULT CHARTS

CONVENTIONAL POLLUTANTS

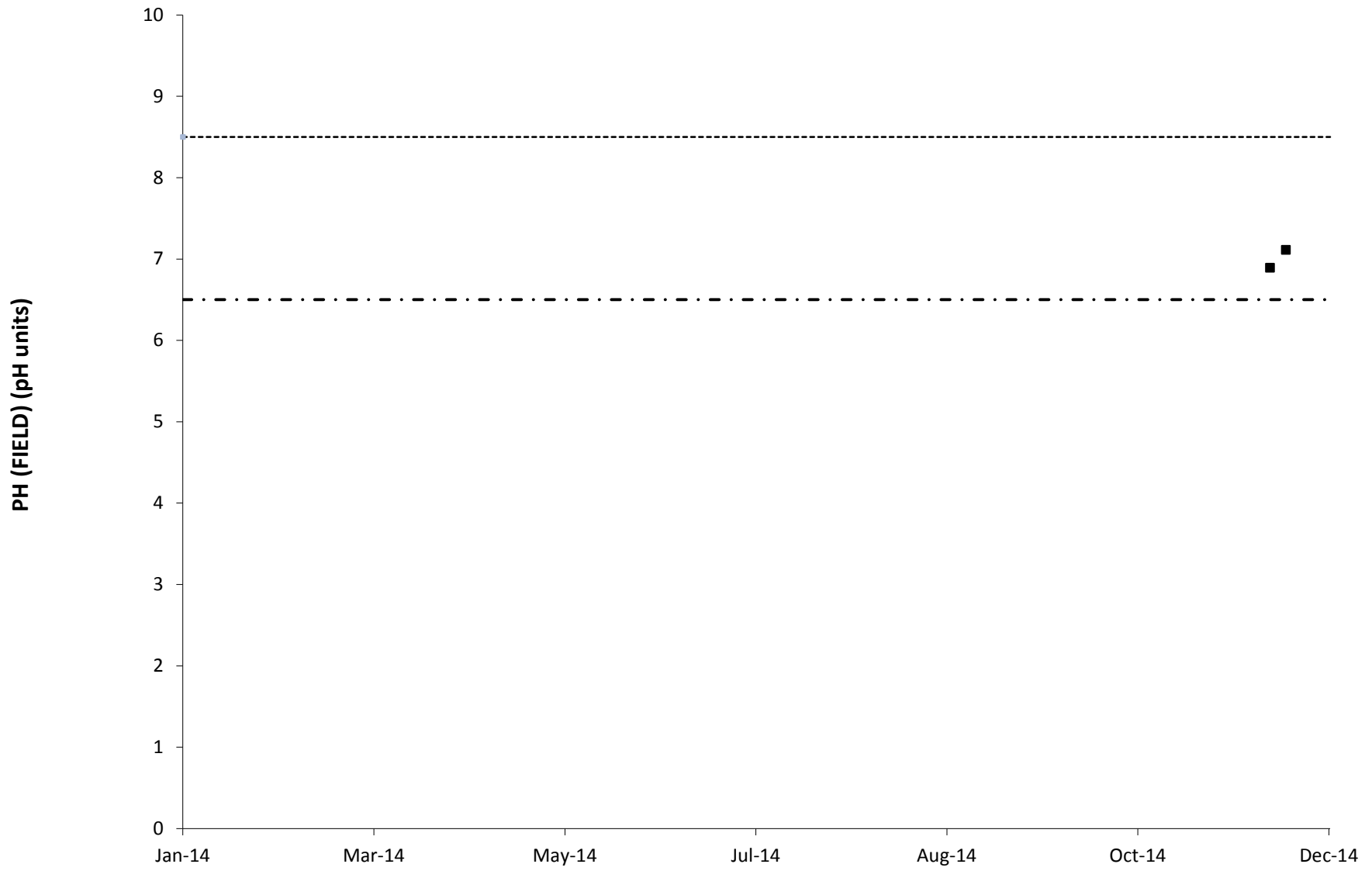
2014: OUTFALL 002 BIOCHEMICAL OXYGEN DEMAND (BOD) DAILY VALUE



2014: OUTFALL 002 OIL AND GREASE DAILY VALUE

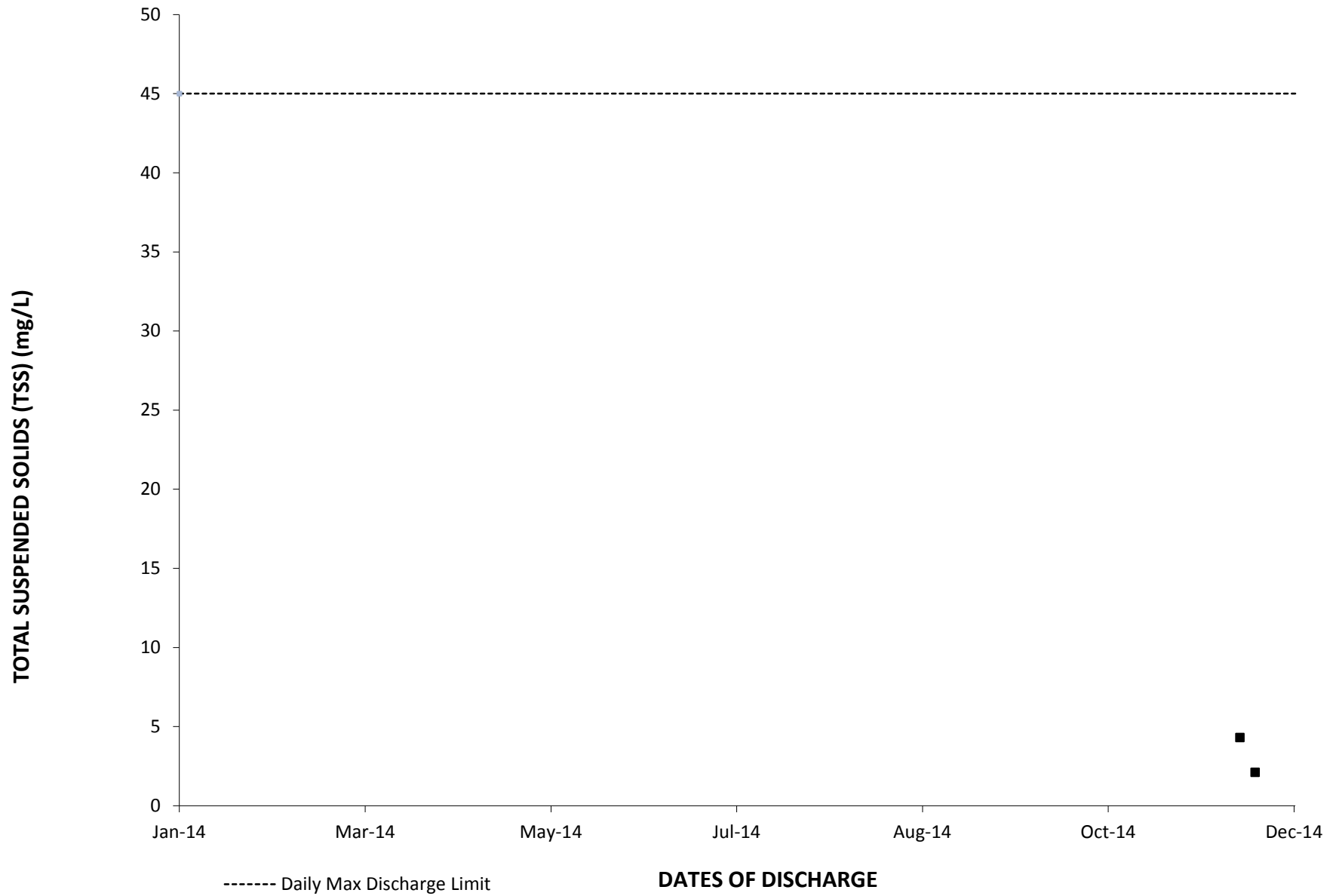


2014: OUTFALL 002 PH (FIELD) DAILY VALUE



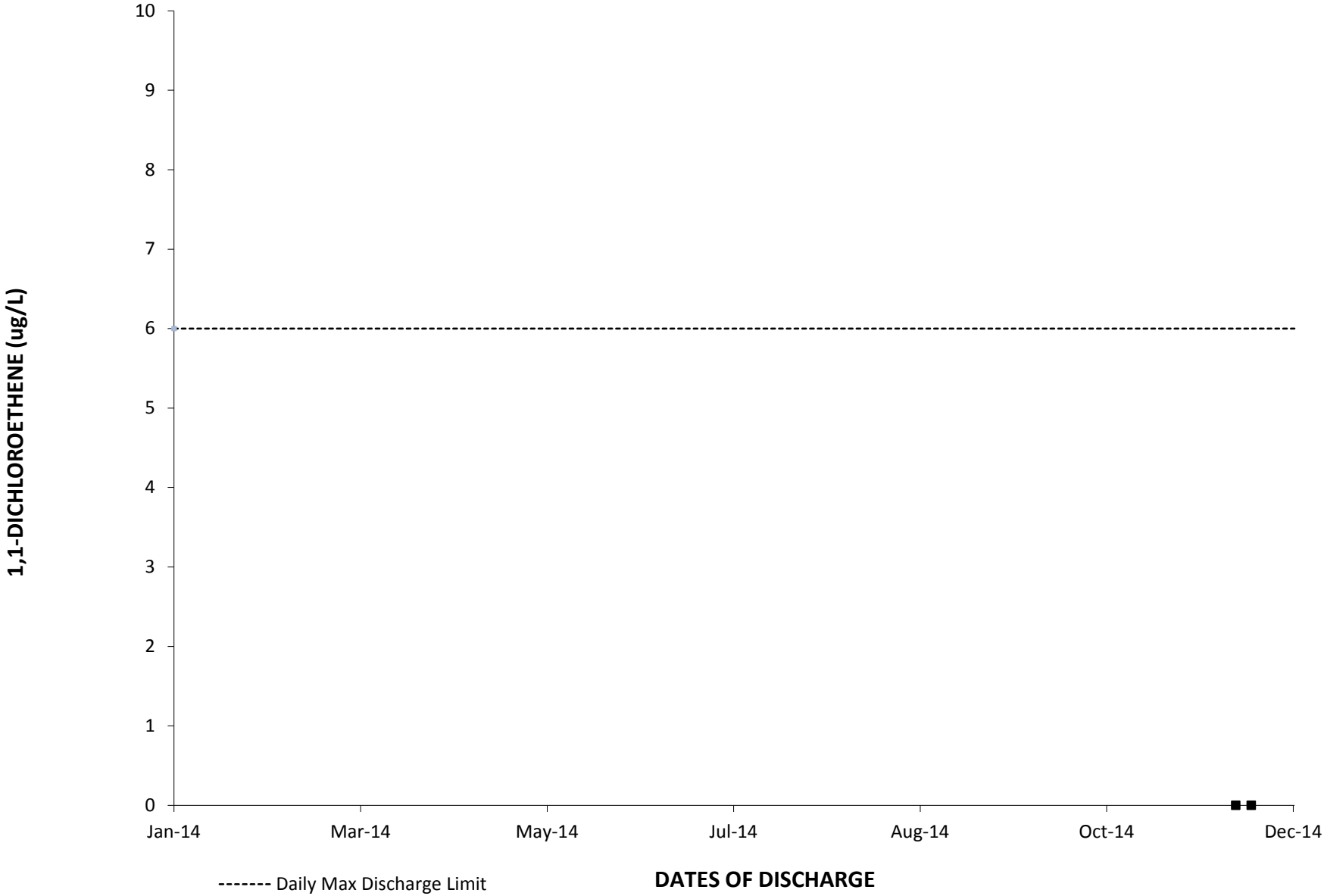
----- Instantaneous Max Discharge Limit - · - Instantaneous Min Discharge Limit

2014: OUTFALL 002 TOTAL SUSPENDED SOLIDS (TSS) DAILY VALUE

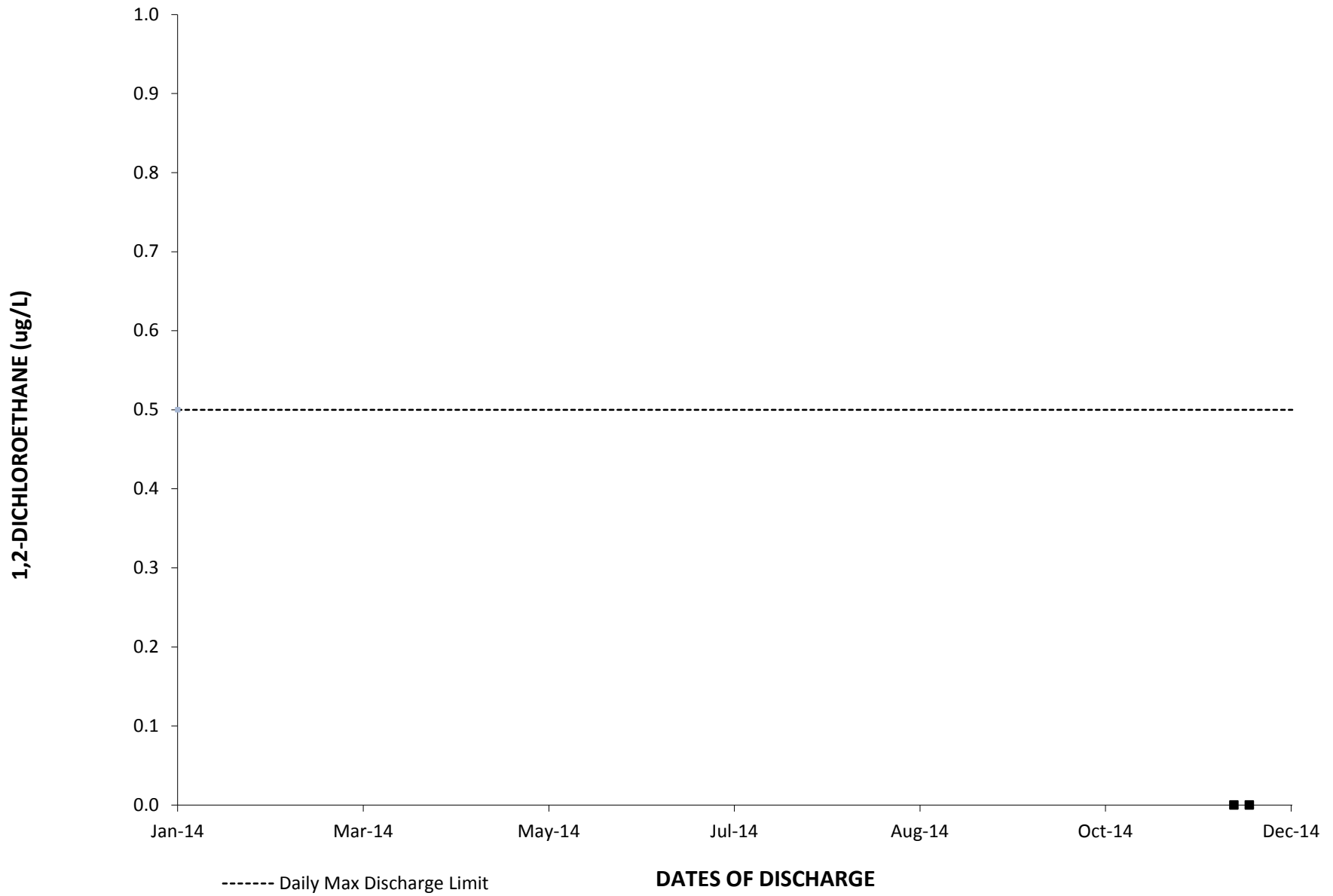


PRIORITY POLLUTANTS

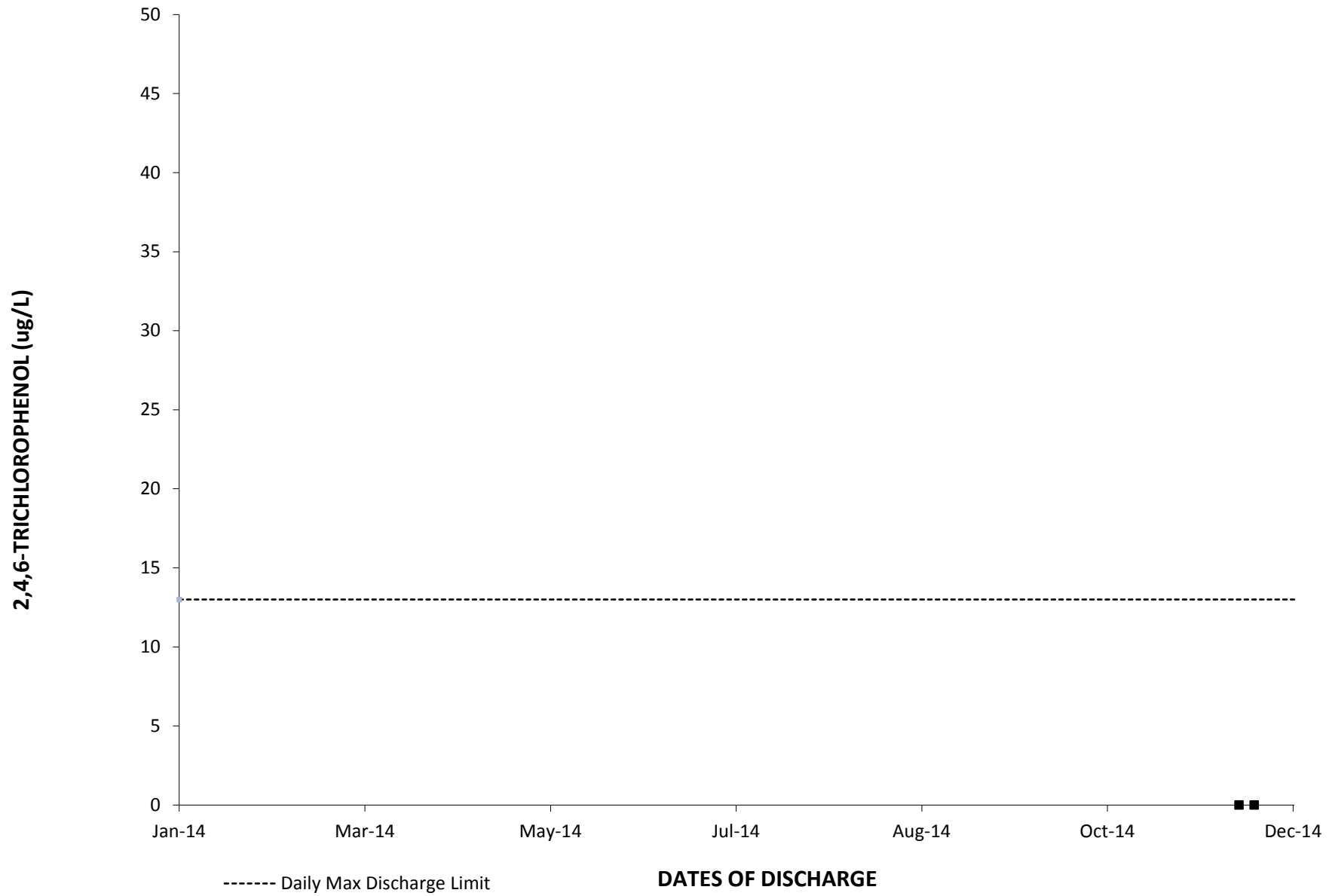
2014: OUTFALL 002 1,1-DICHLOROETHENE DAILY VALUE



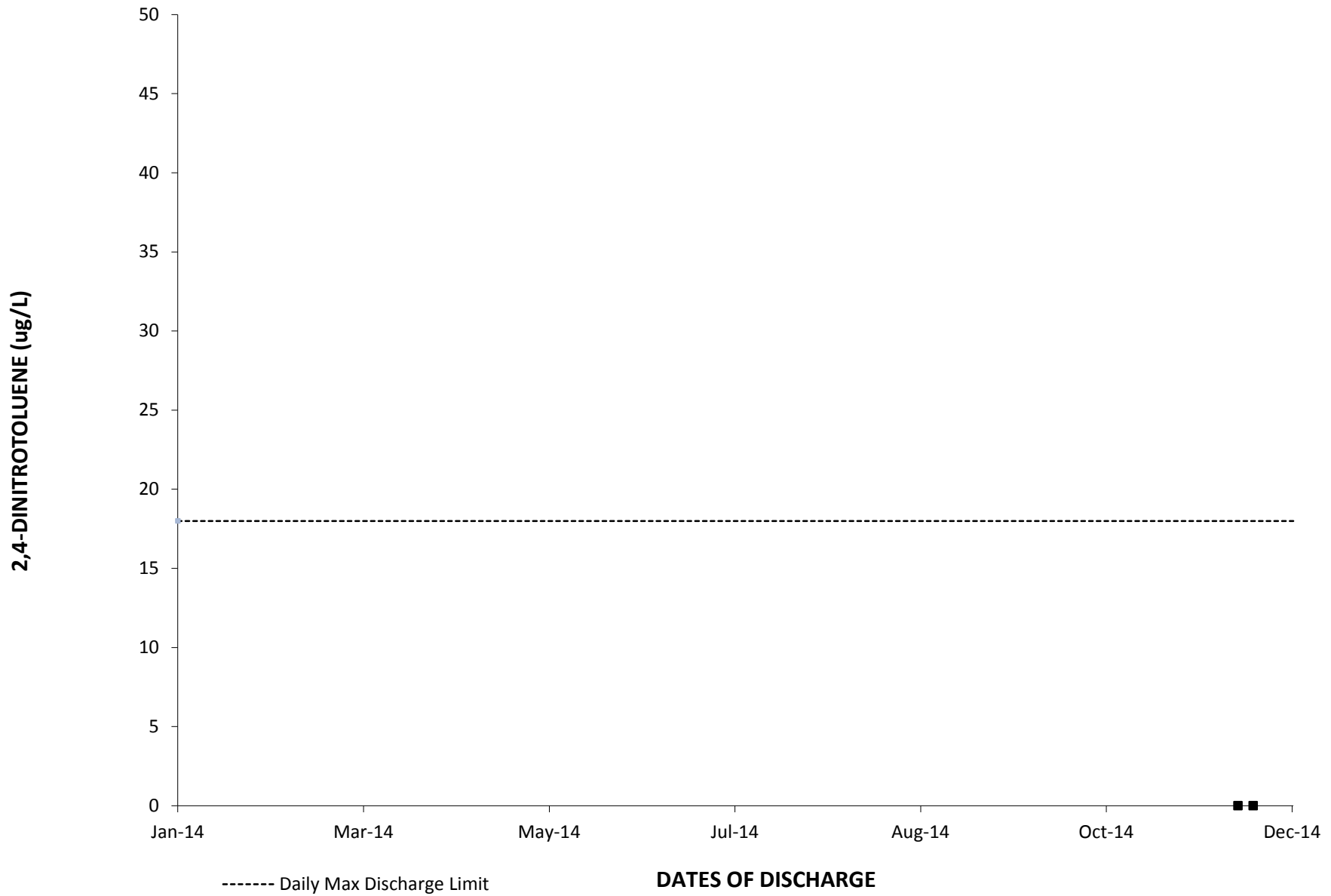
2014: OUTFALL 002 1,2-DICHLOROETHANE DAILY VALUE



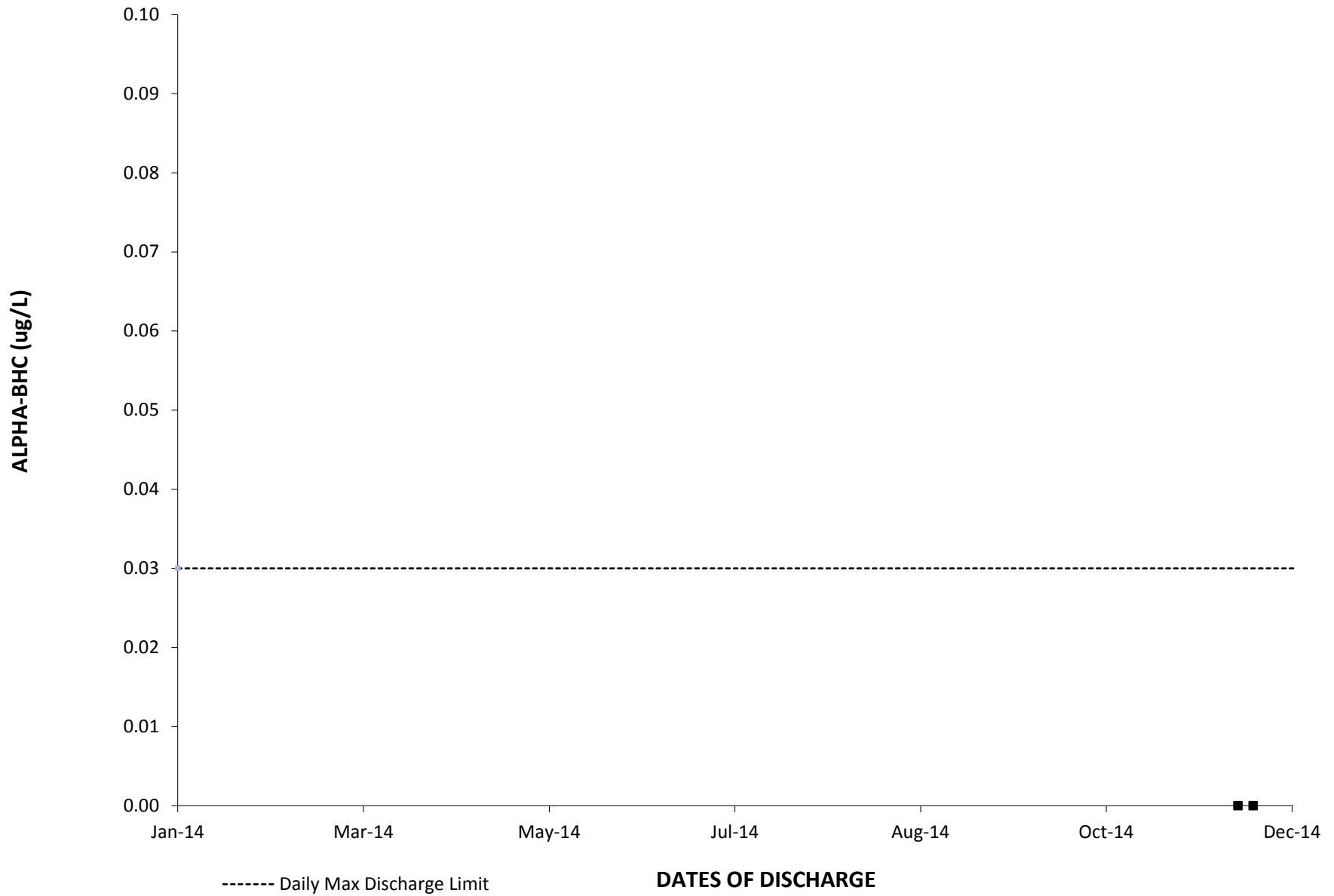
2014: OUTFALL 002 2,4,6-TRICHLOROPHENOL DAILY VALUE



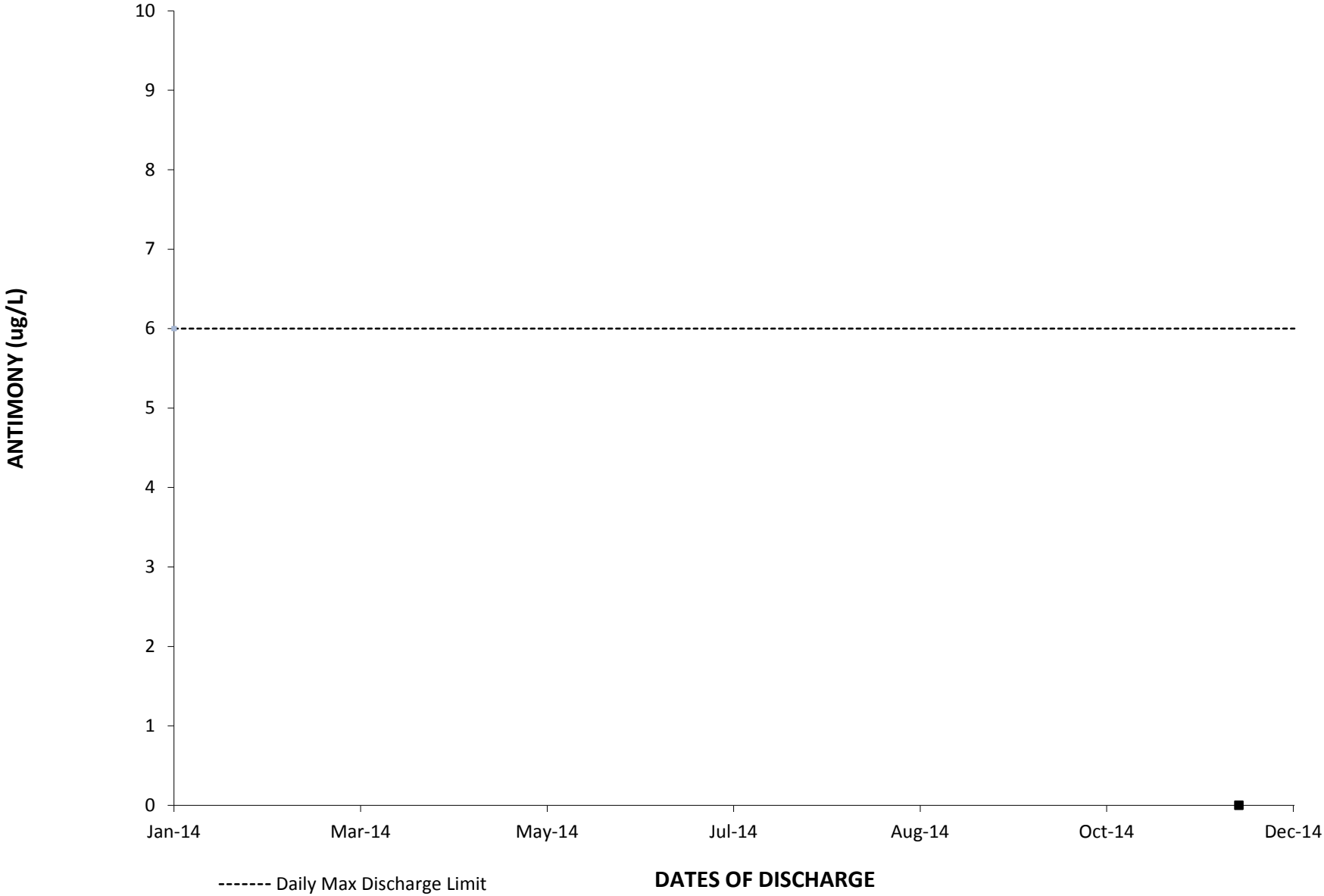
2014: OUTFALL 002 2,4-DINITROTOLUENE DAILY VALUE



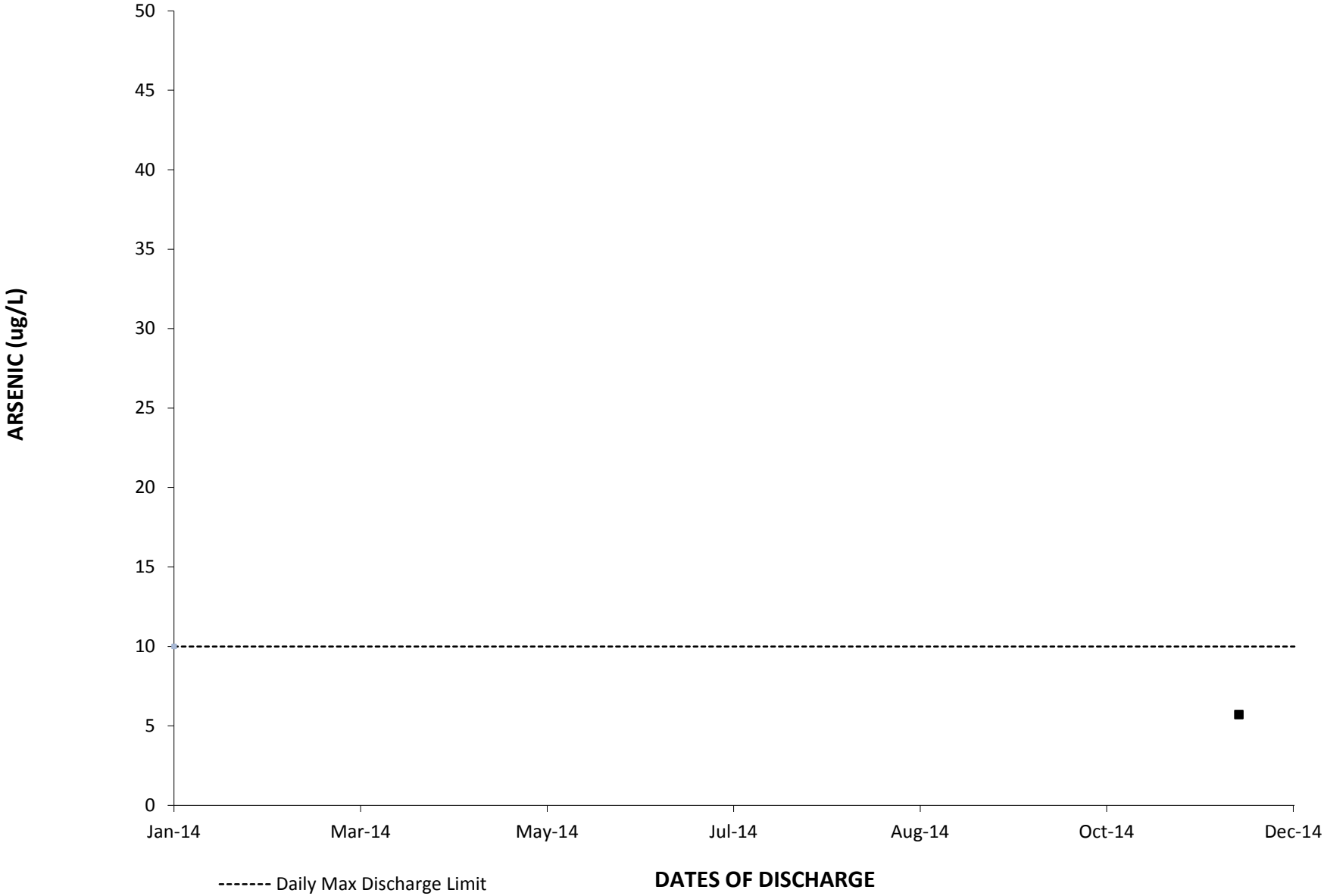
2014: OUTFALL 002 ALPHA-BHC DAILY VALUE



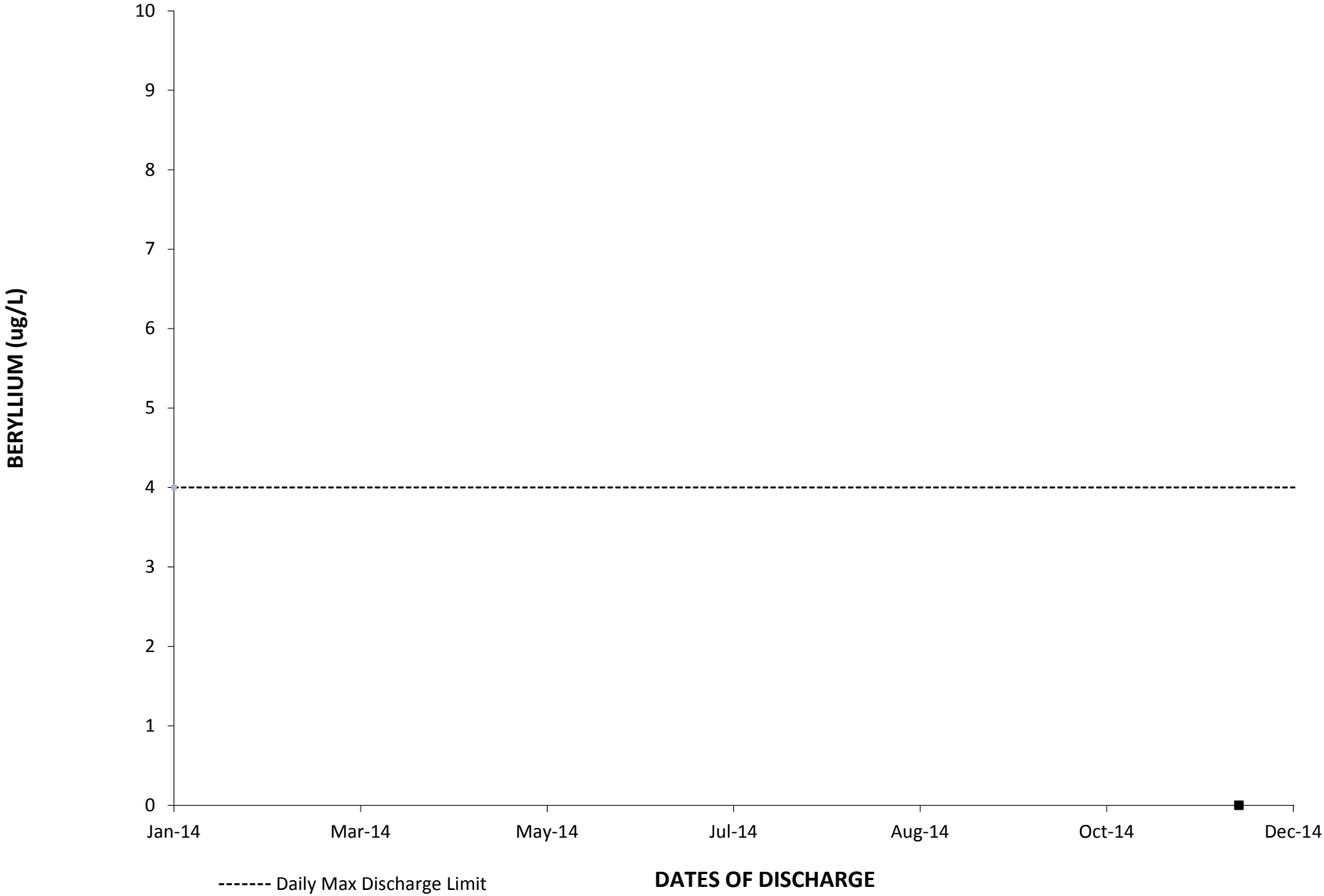
2014: OUTFALL 002 ANTIMONY DAILY VALUE



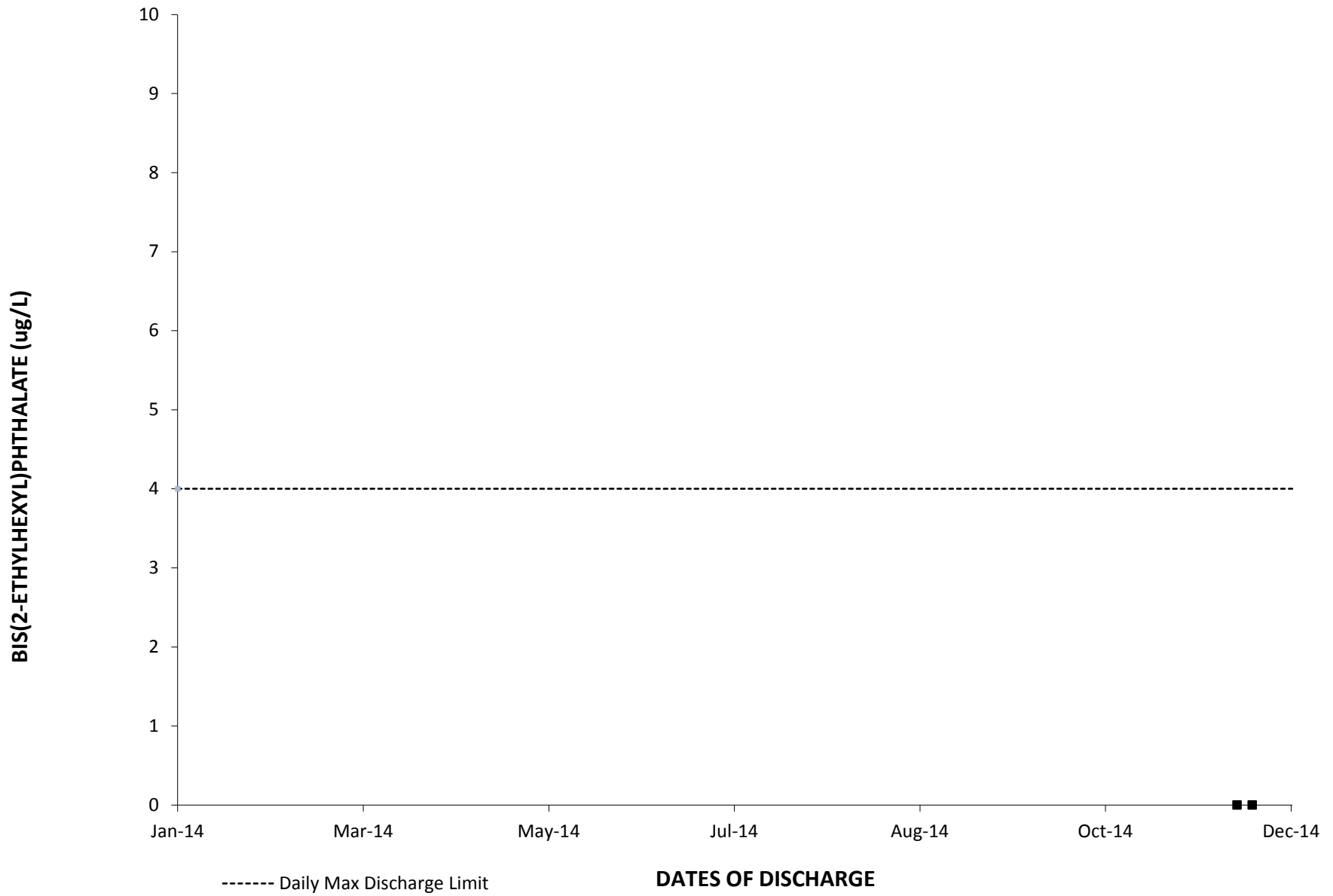
2014: OUTFALL 002 ARSENIC DAILY VALUE



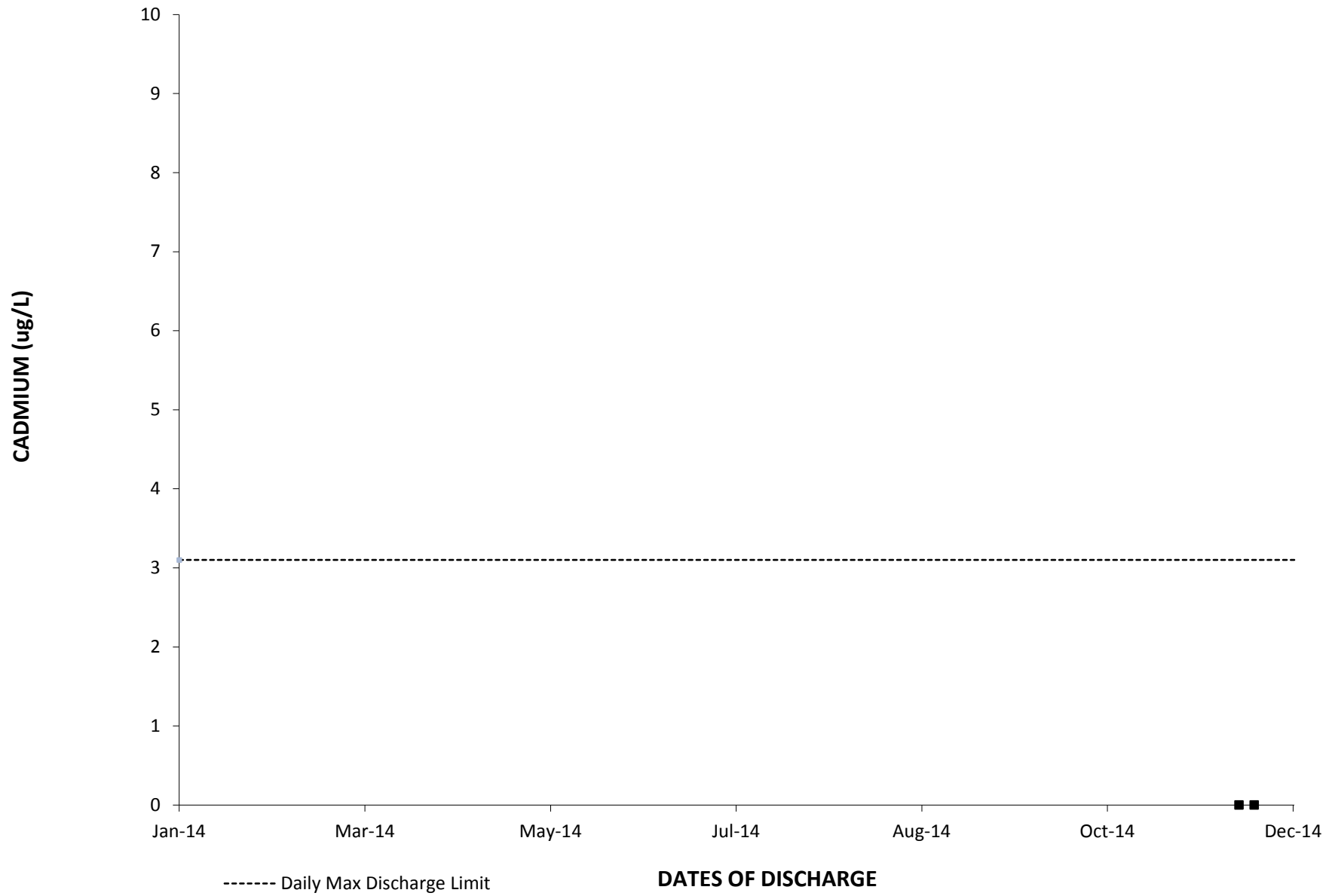
2014: OUTFALL 002 BERYLLIUM DAILY VALUE



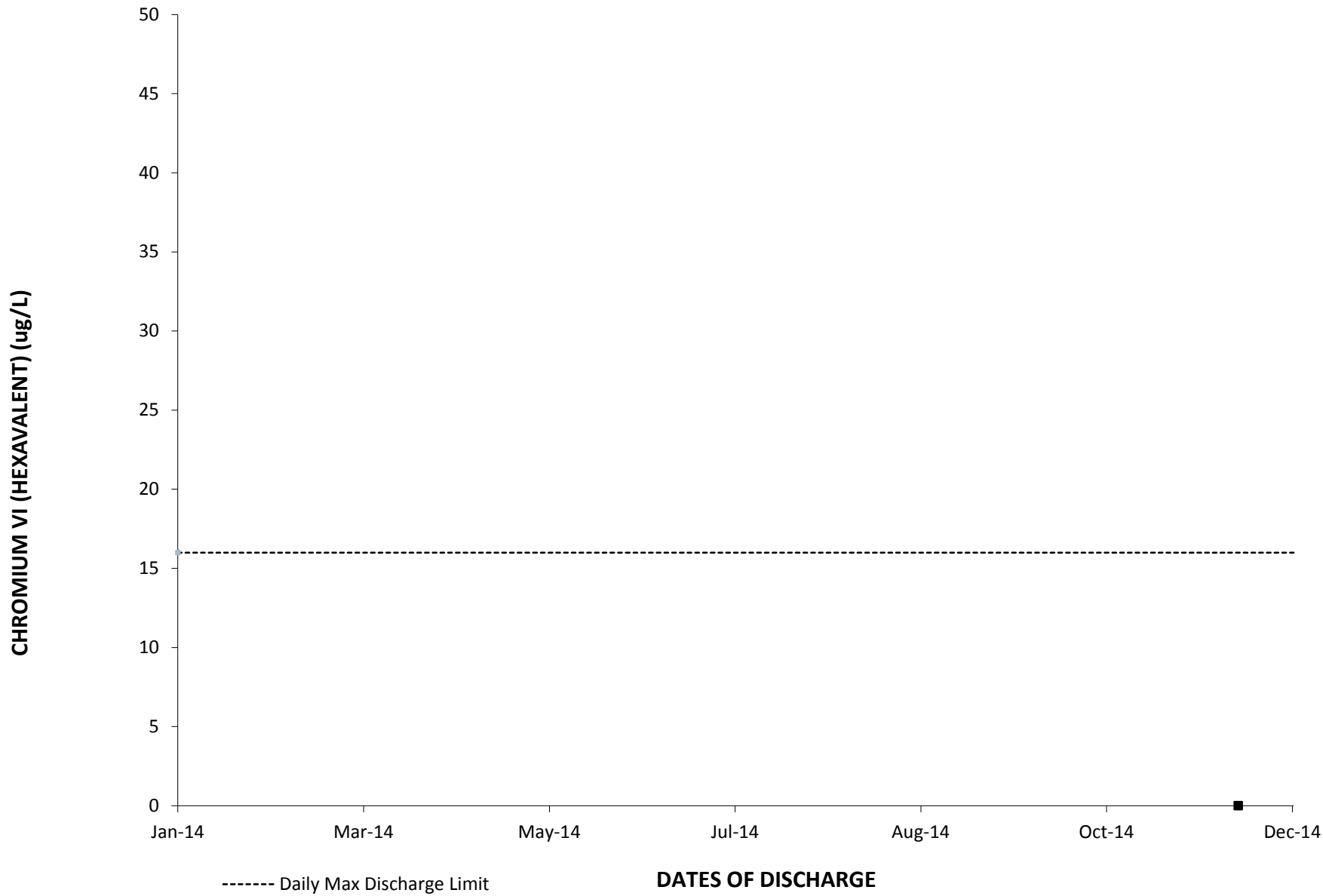
2014: OUTFALL 002 BIS(2-ETHYLHEXYL)PHTHALATE DAILY VALUE



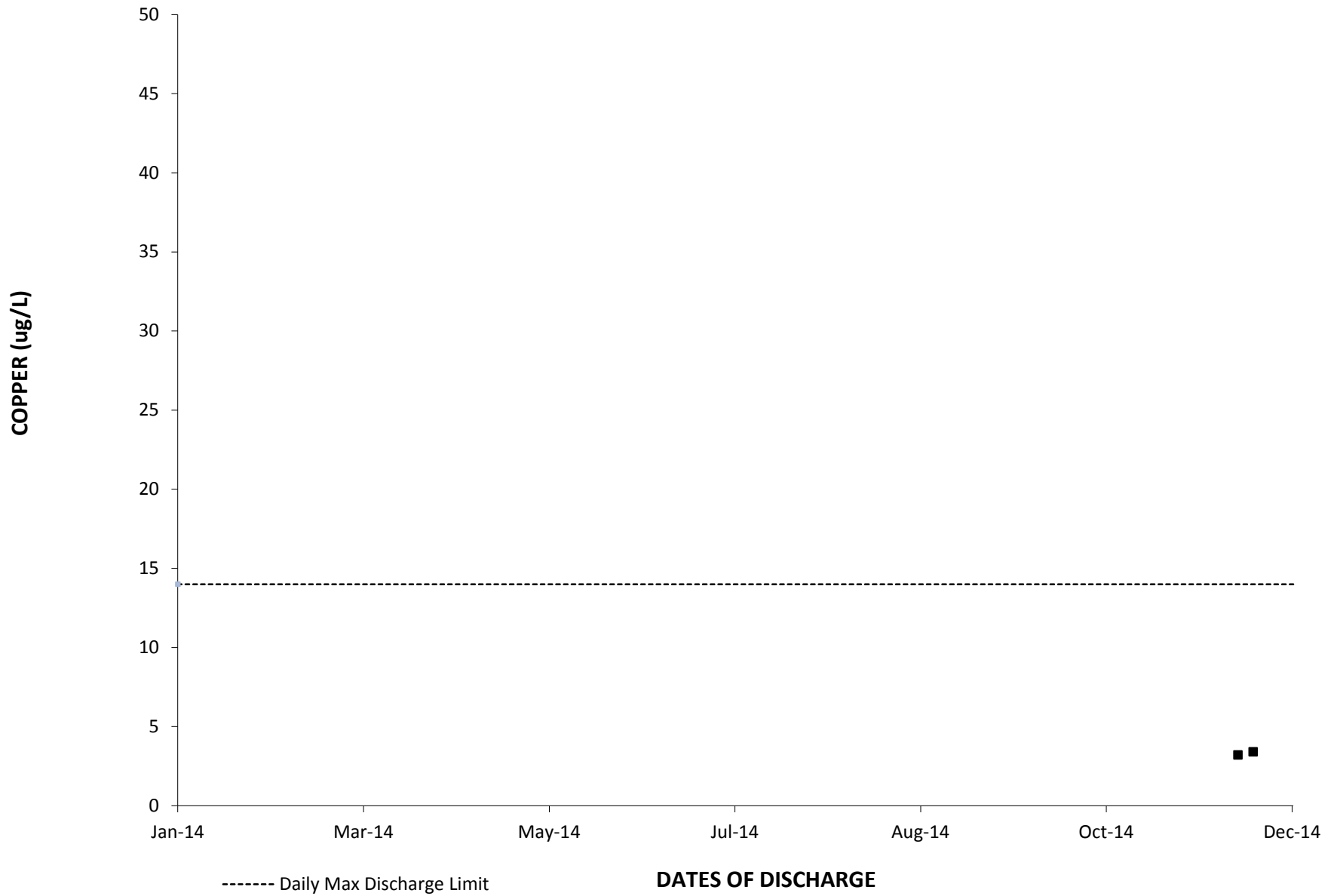
2014: OUTFALL 002 CADMIUM DAILY VALUE



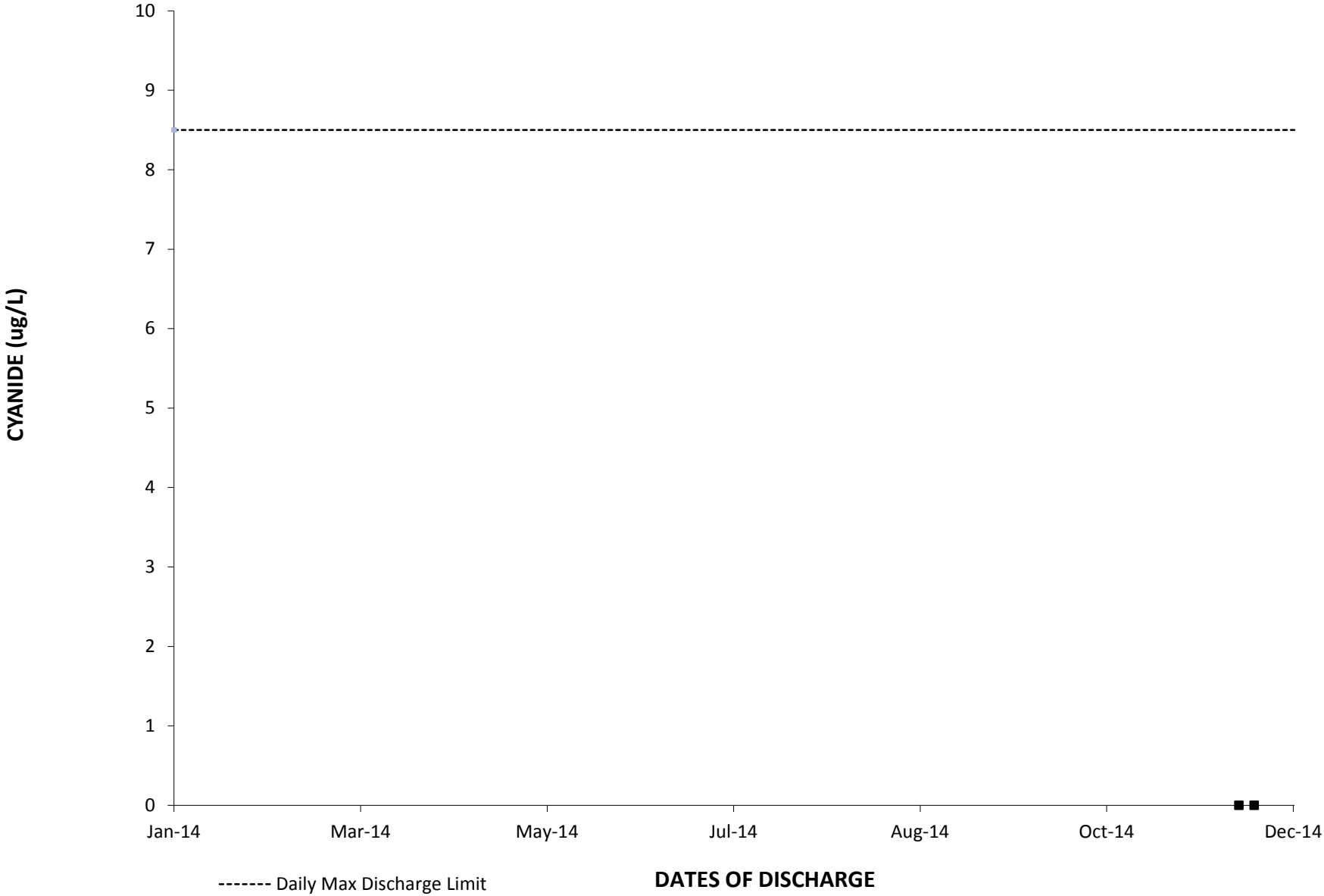
2014: OUTFALL 002 CHROMIUM VI (HEXAVALENT) DAILY VALUE



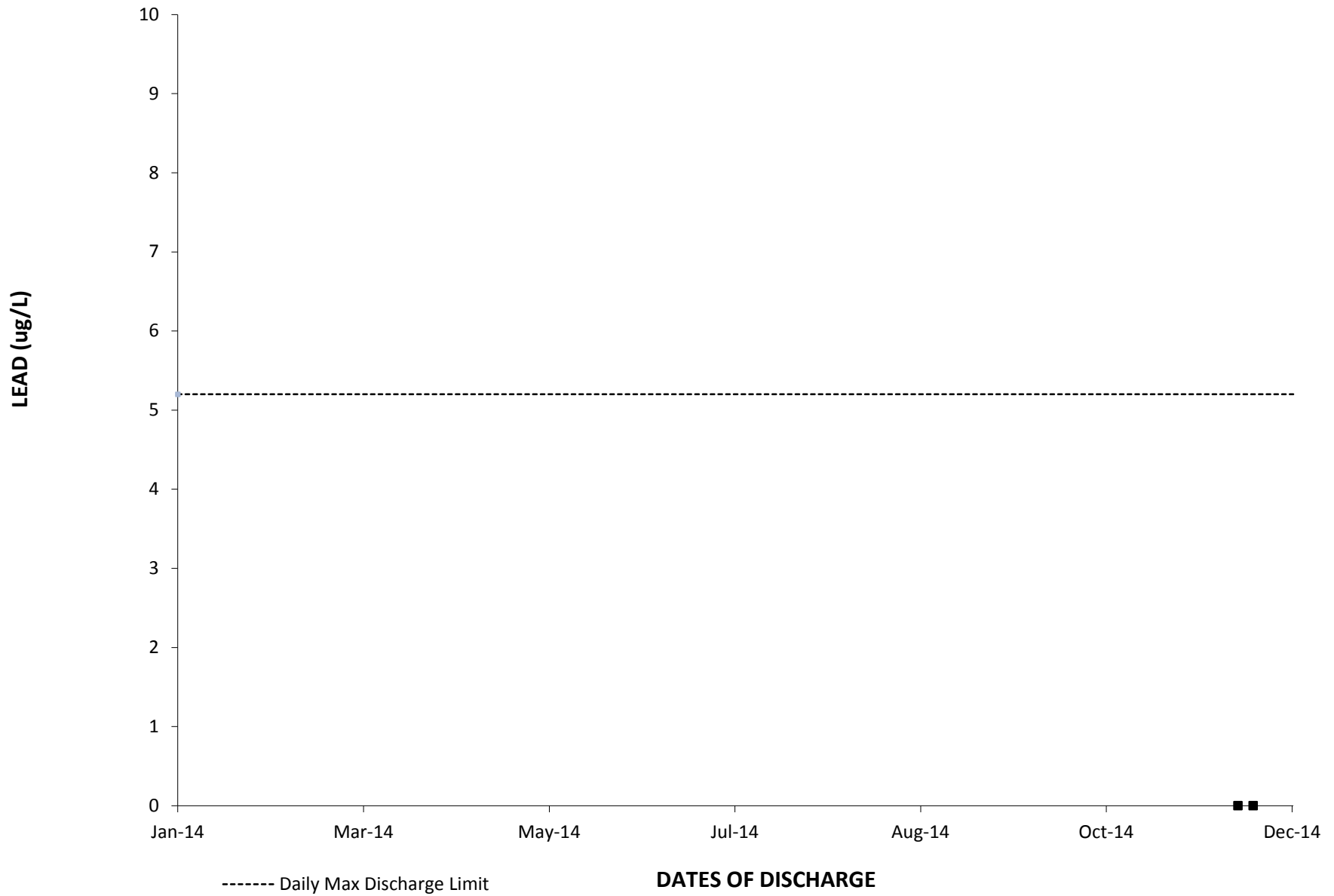
2014: OUTFALL 002 COPPER DAILY VALUE



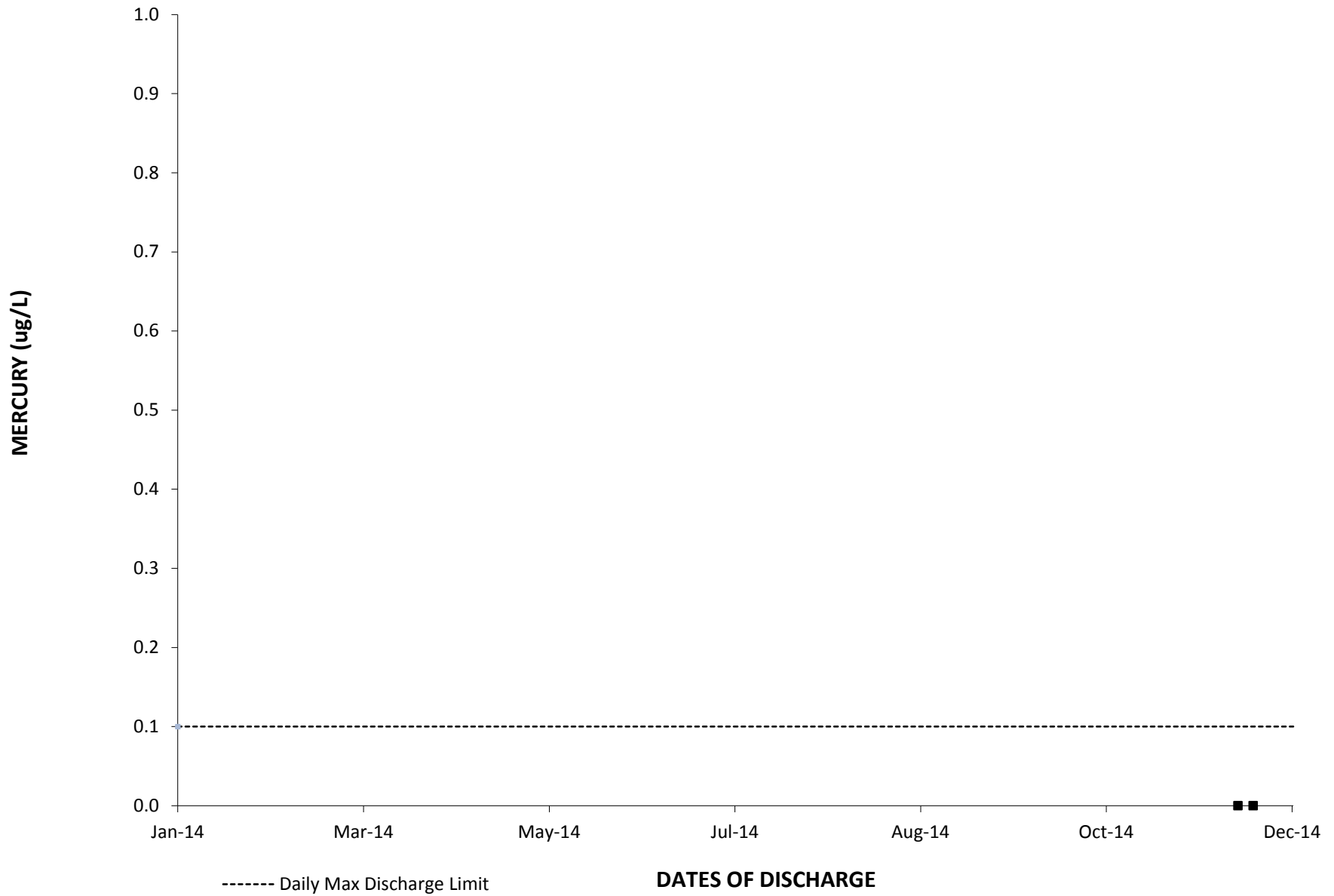
2014: OUTFALL 002 CYANIDE DAILY VALUE



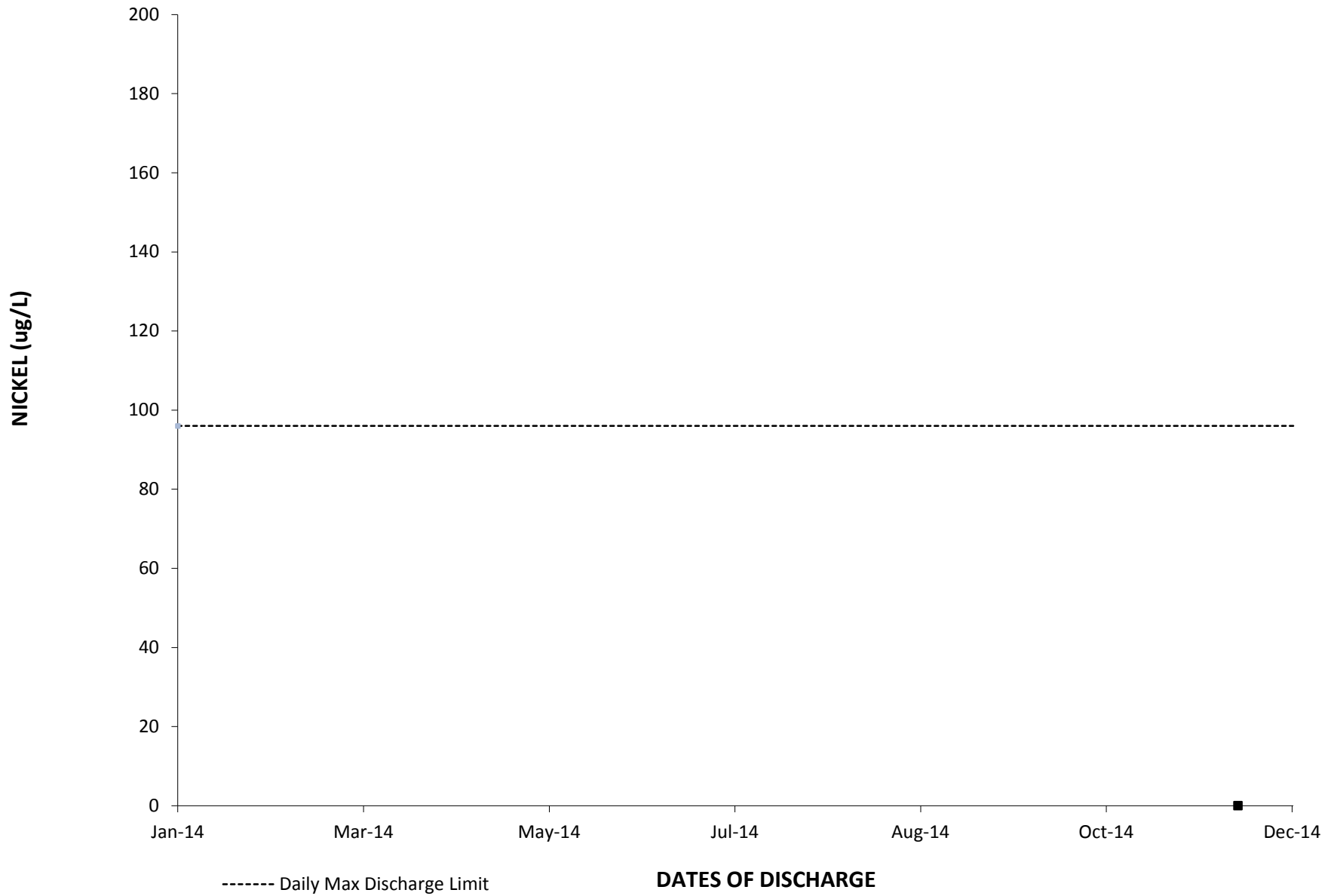
2014: OUTFALL 002 LEAD DAILY VALUE



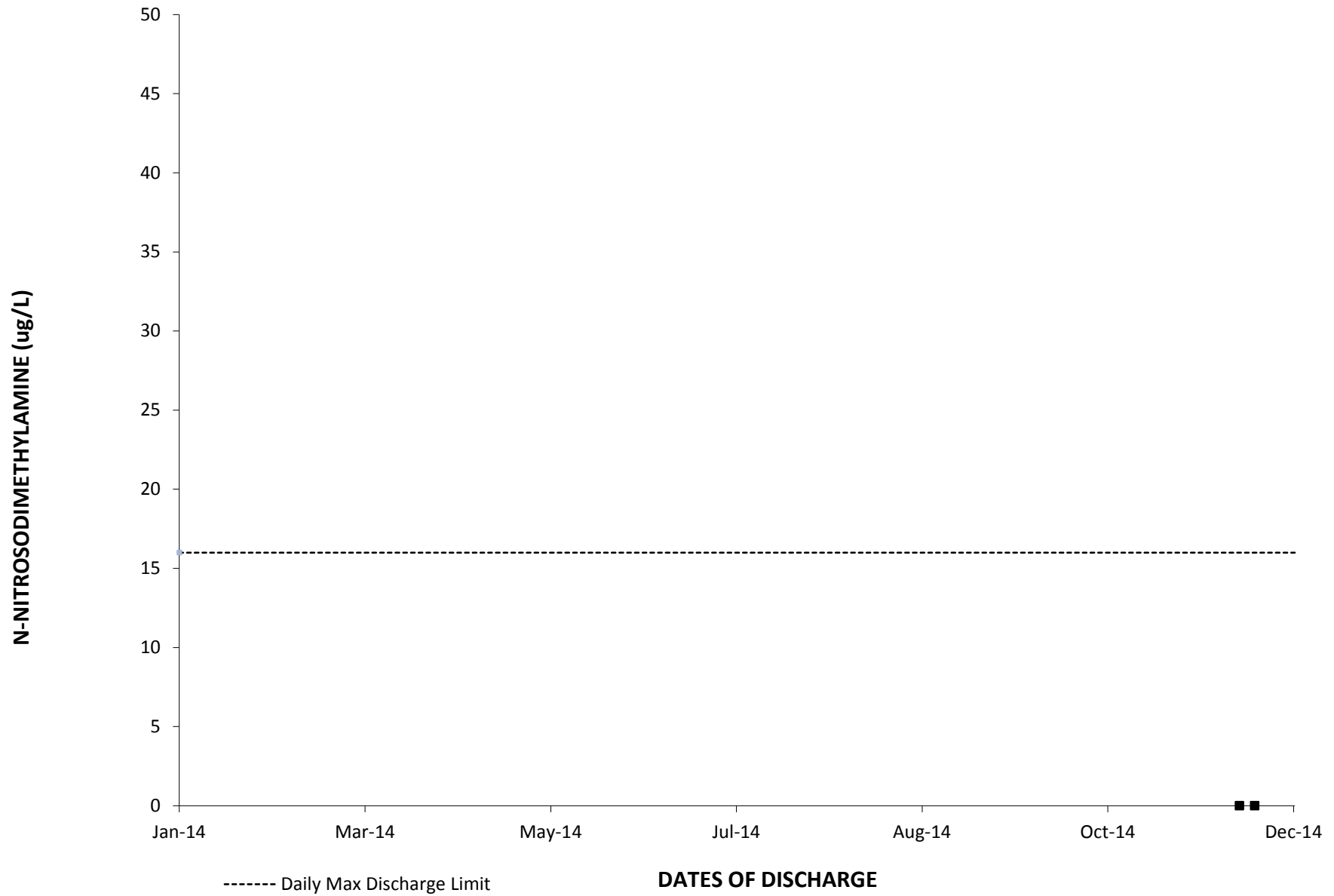
2014: OUTFALL 002 MERCURY DAILY VALUE



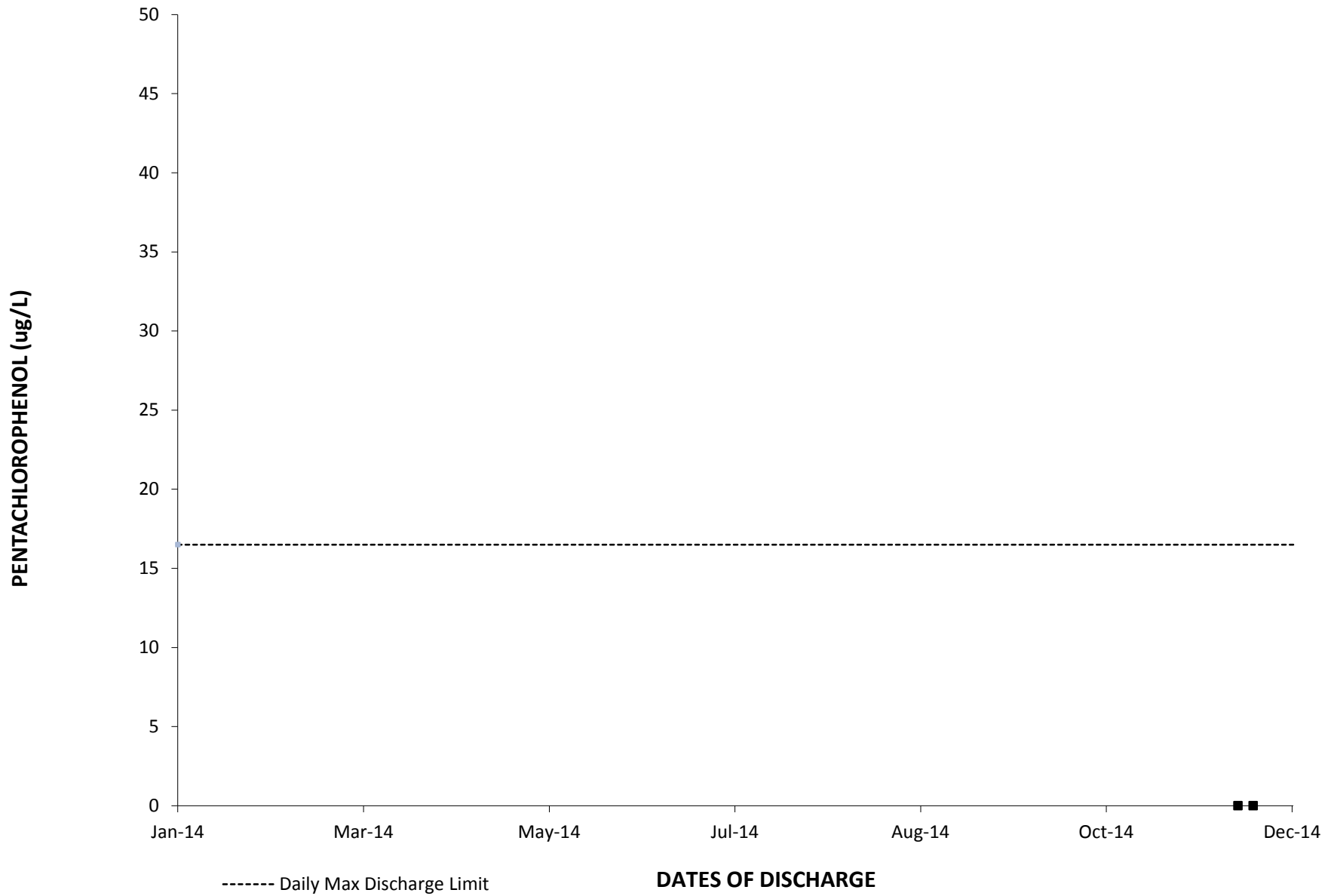
2014: OUTFALL 002 NICKEL DAILY VALUE



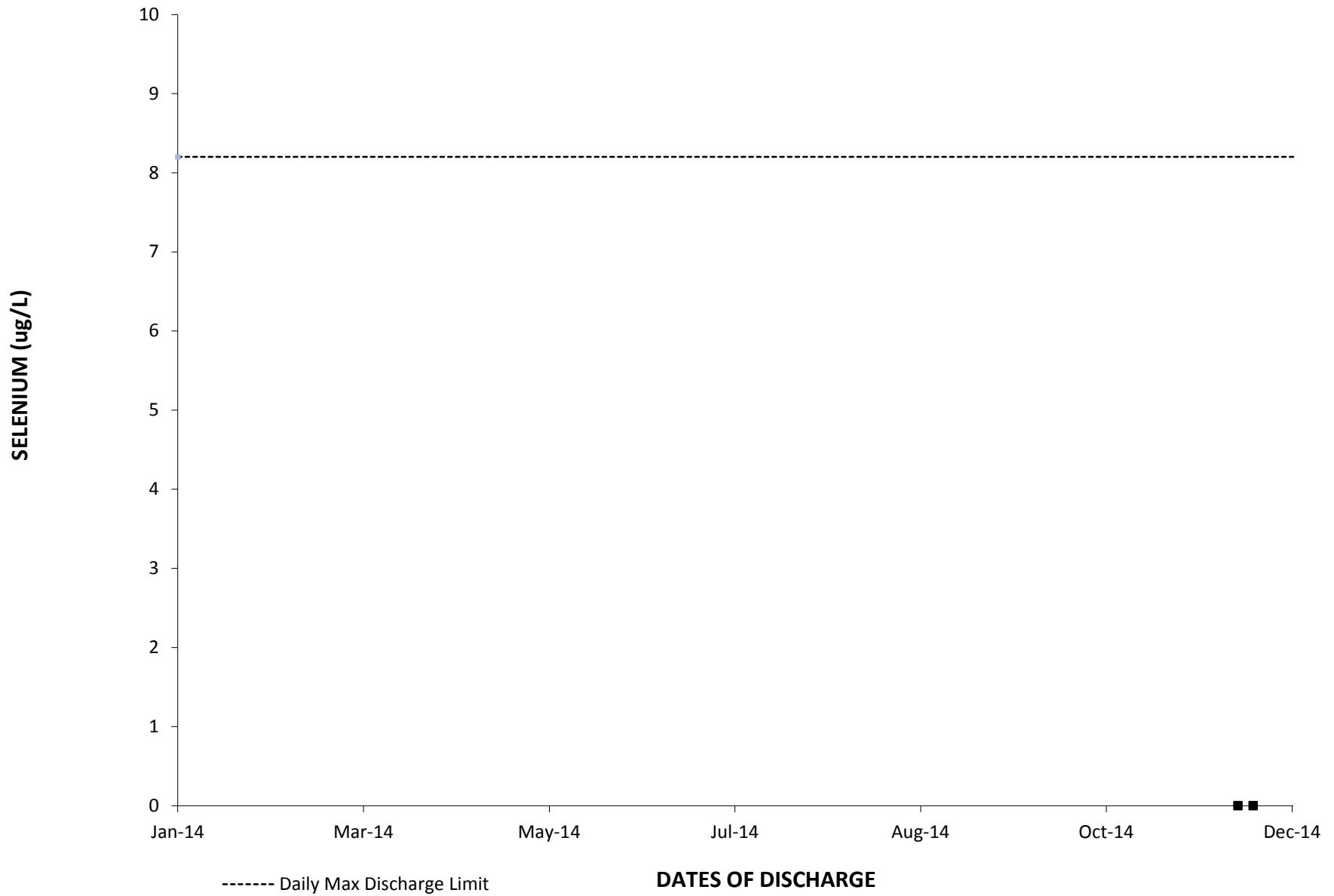
2014: OUTFALL 002 N-NITROSODIMETHYLAMINE DAILY VALUE



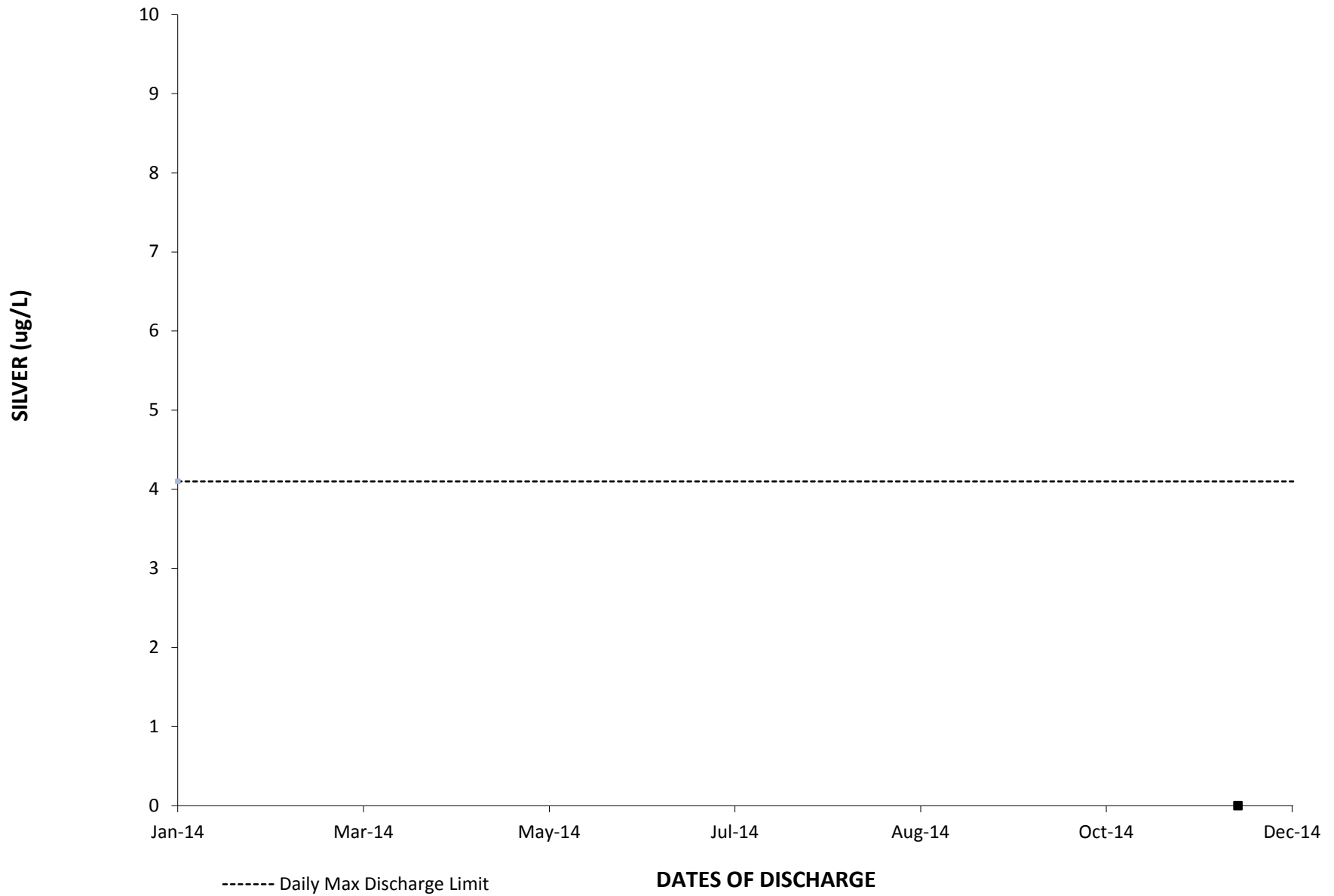
2014: OUTFALL 002 PENTACHLOROPHENOL DAILY VALUE



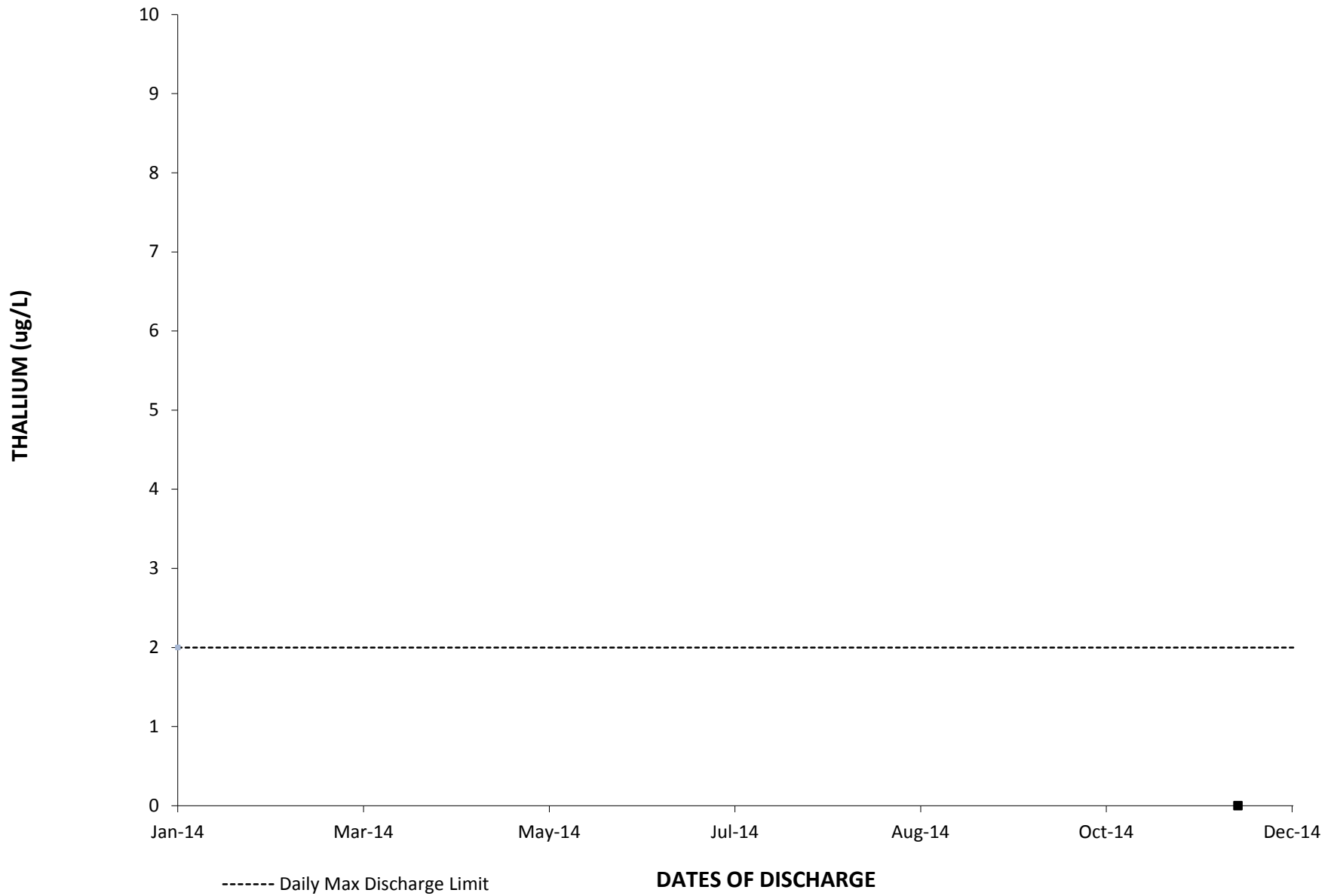
2014: OUTFALL 002 SELENIUM DAILY VALUE



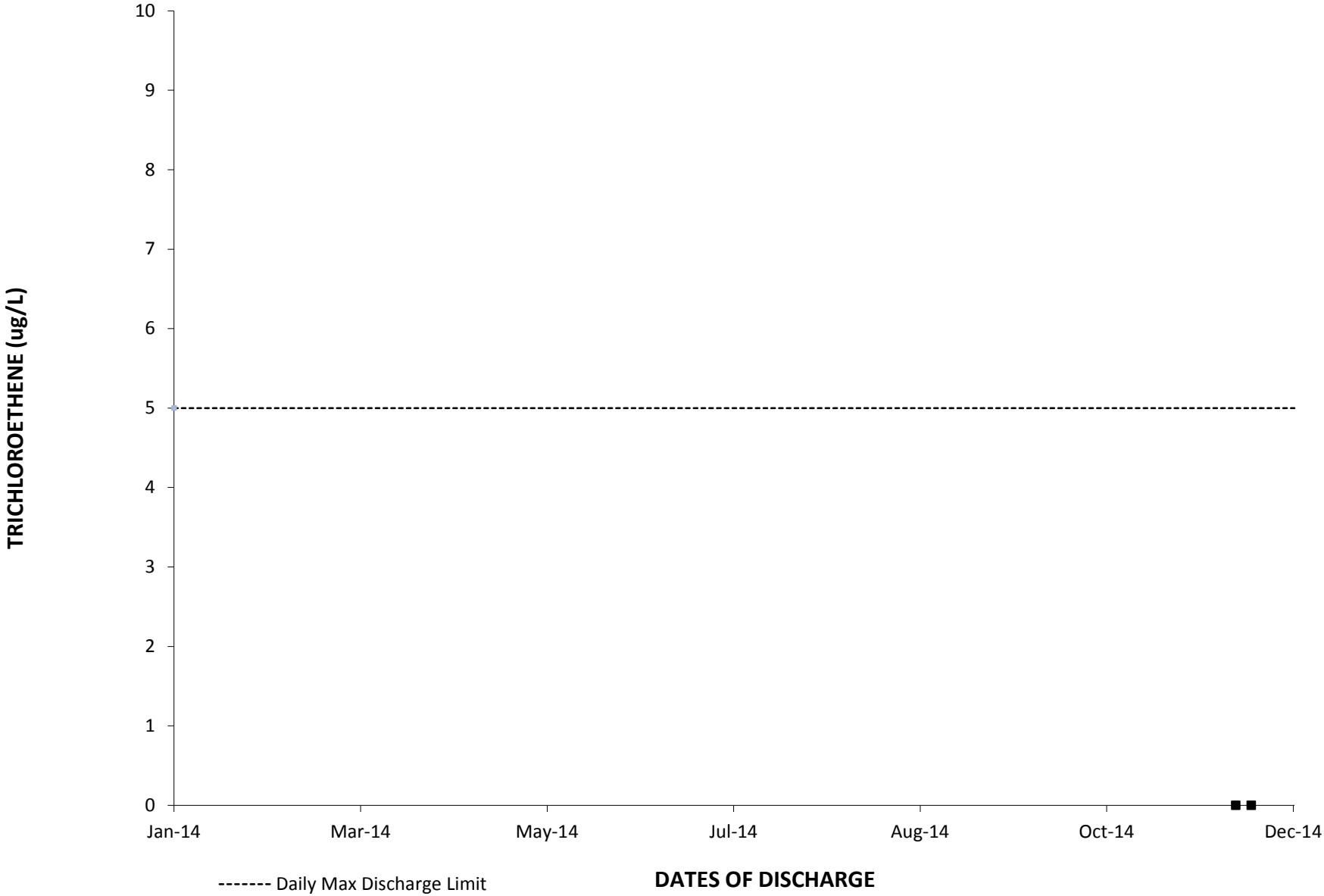
2014: OUTFALL 002 SILVER DAILY VALUE



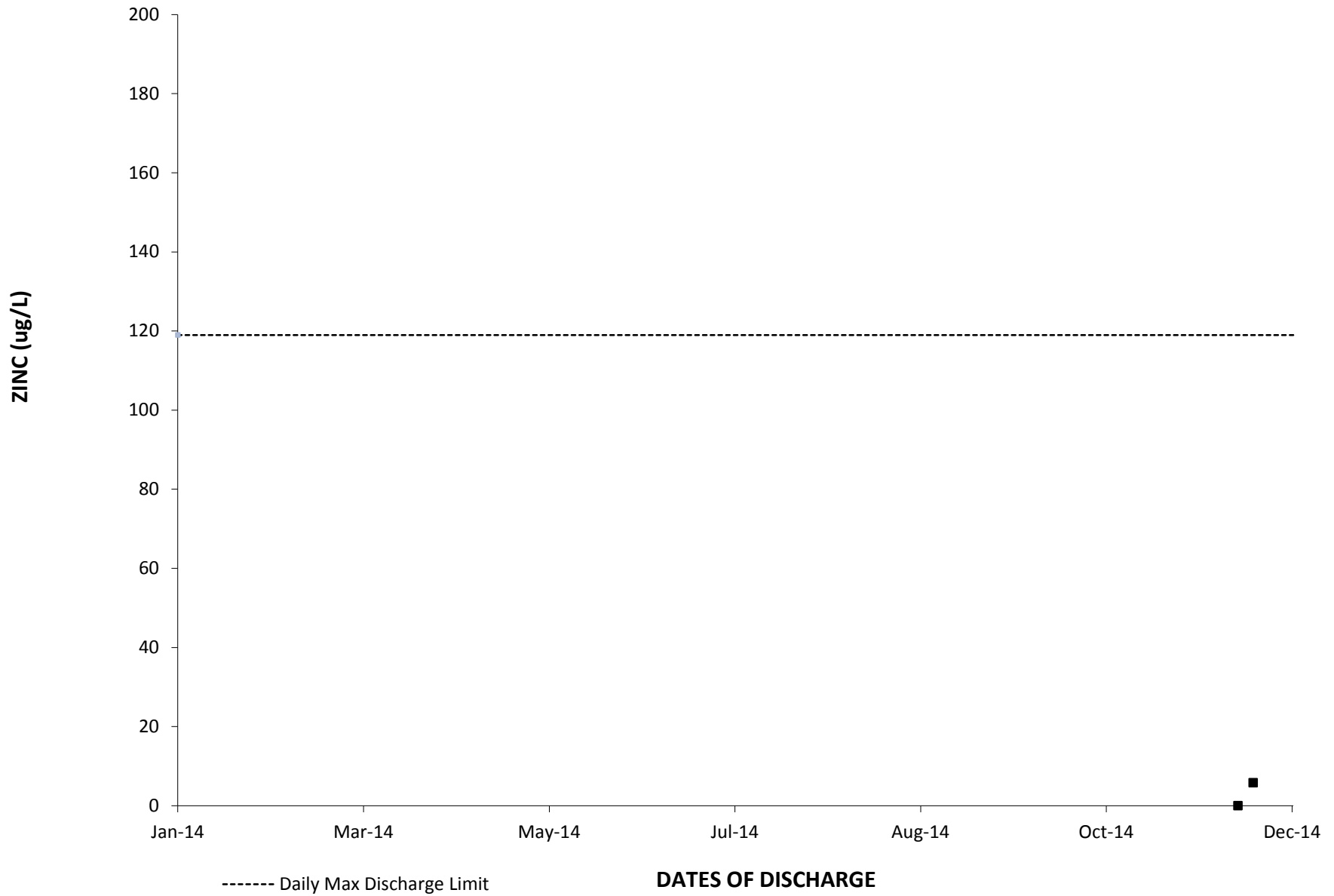
2014: OUTFALL 002 THALLIUM DAILY VALUE



2014: OUTFALL 002 TRICHLOROETHENE DAILY VALUE

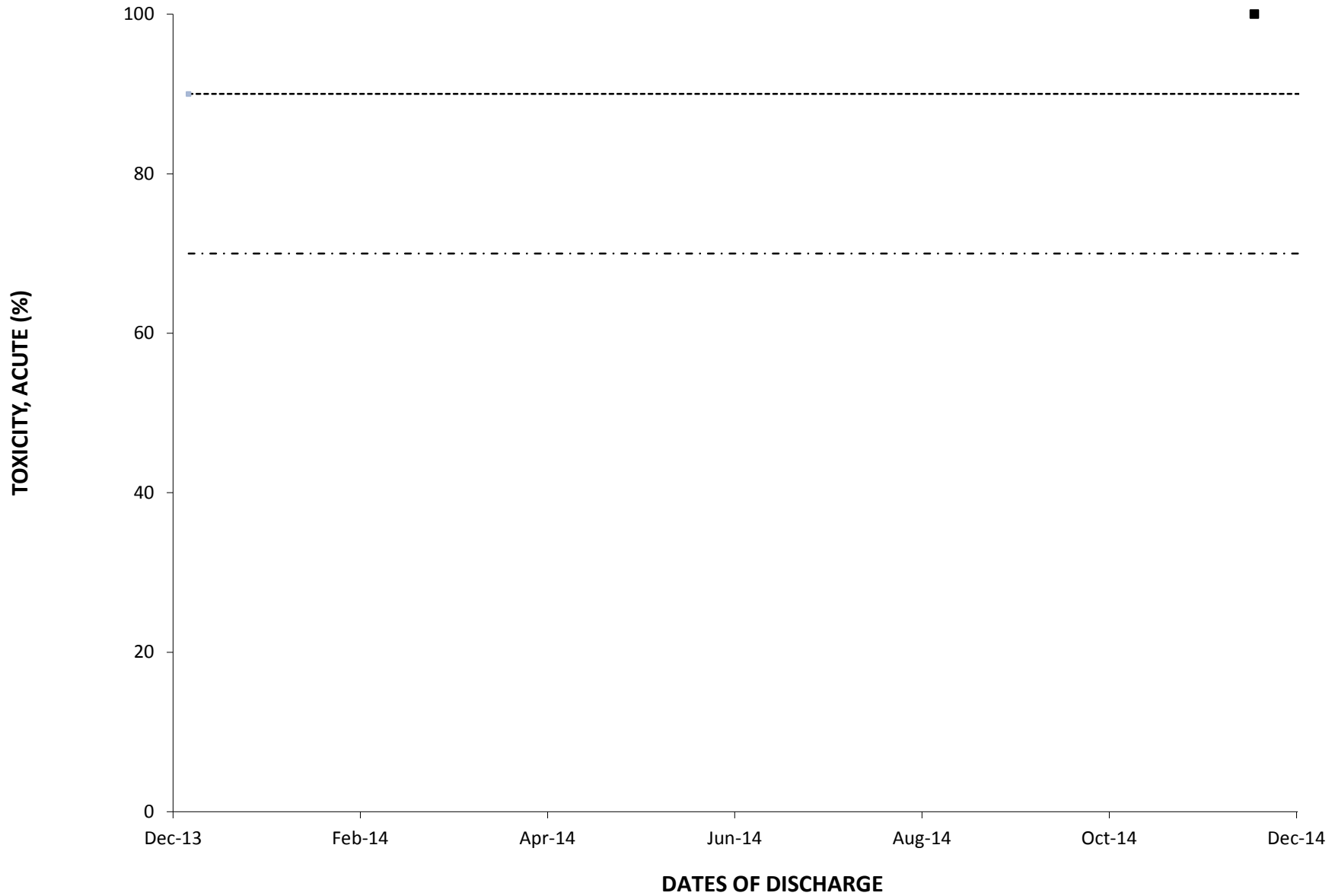


2014: OUTFALL 002 ZINC DAILY VALUE



NON-CONVENTIONAL POLLUTANTS

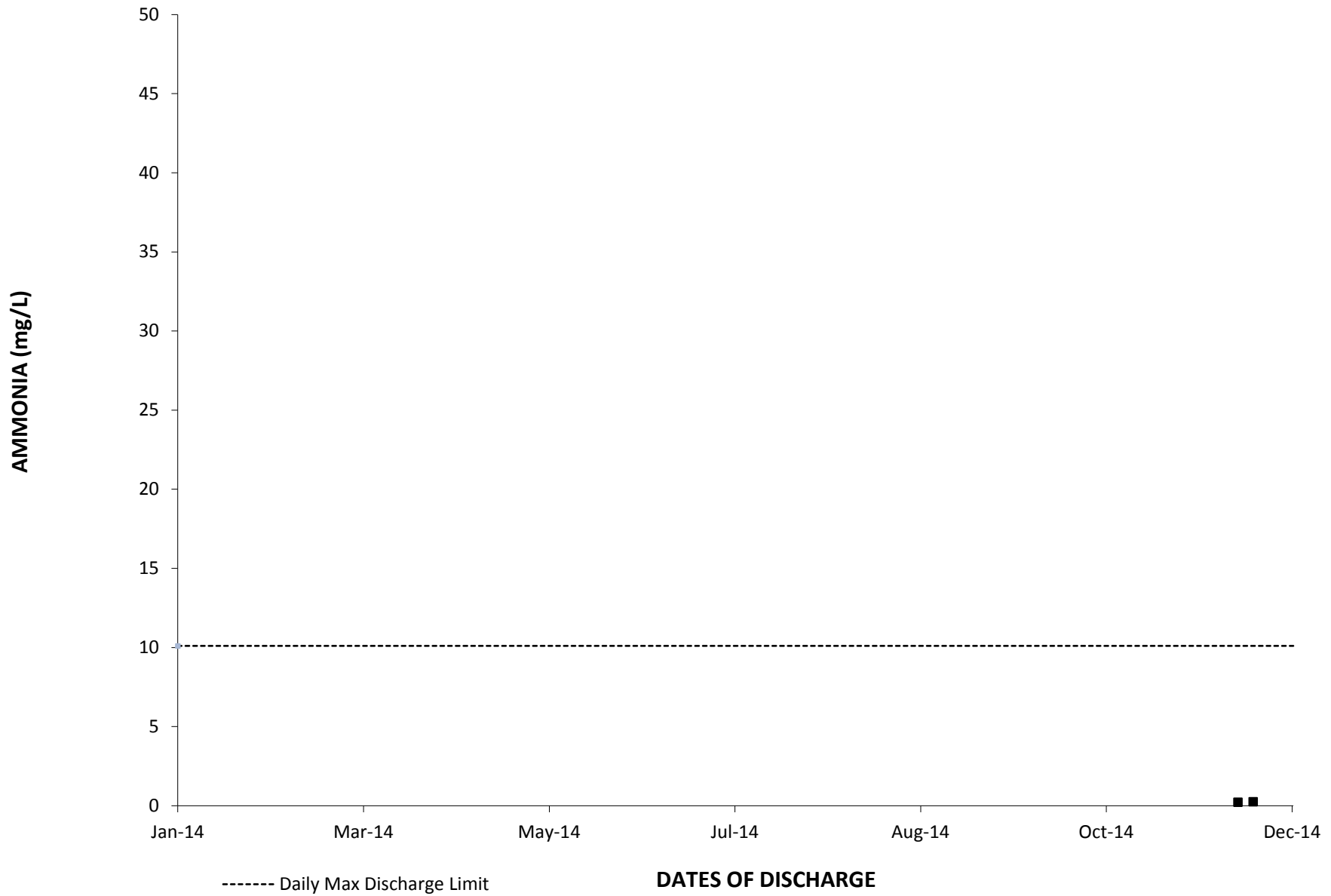
2014: OUTFALL 002 TOXICITY, ACUTE DAILY VALUE



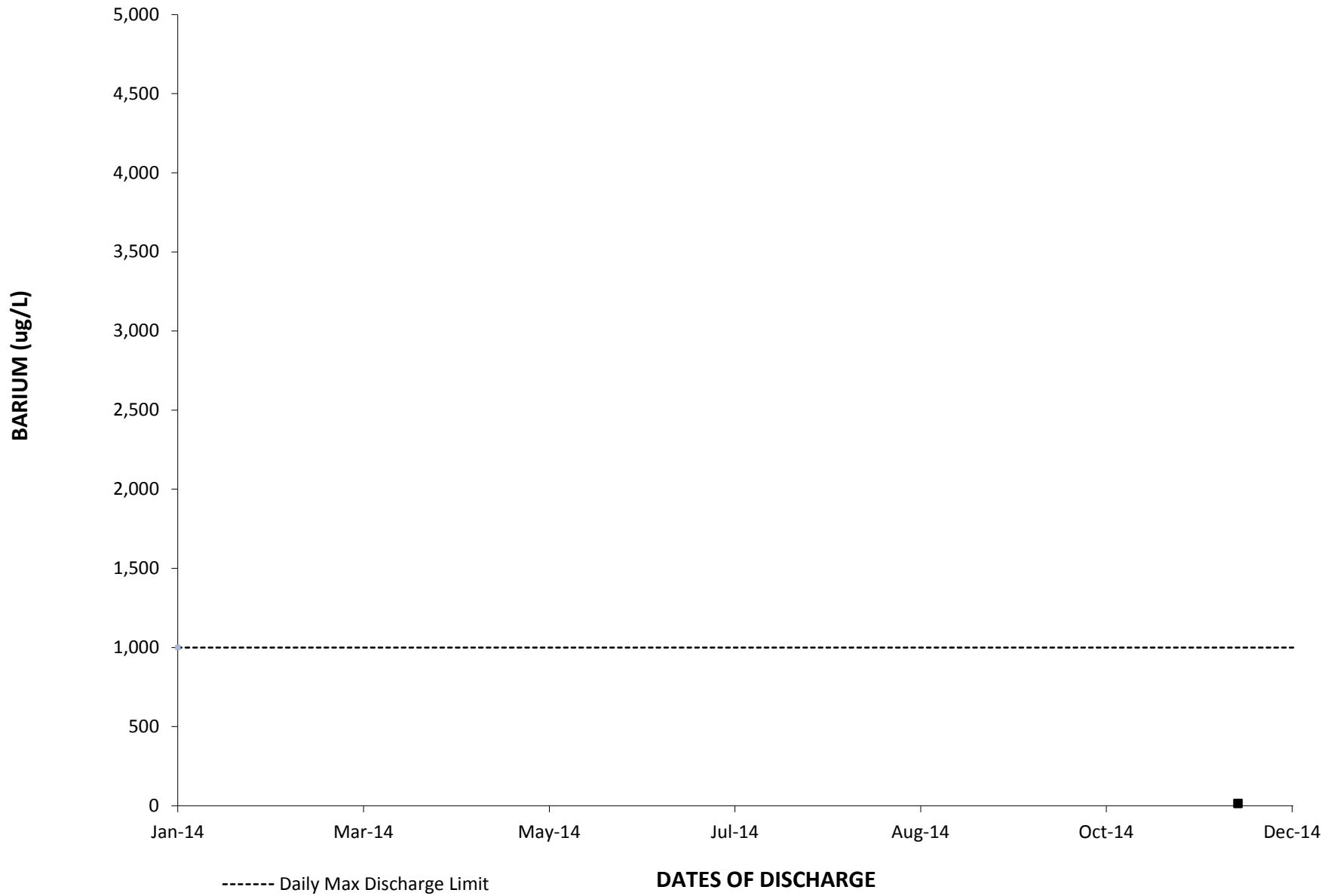
----- Average Survival Rate - - - - Minimal Survival Rate

The acute toxicity for all of the effluent discharges shall be such that: (i) the average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and (ii) no single test producing less than 70 % survival.

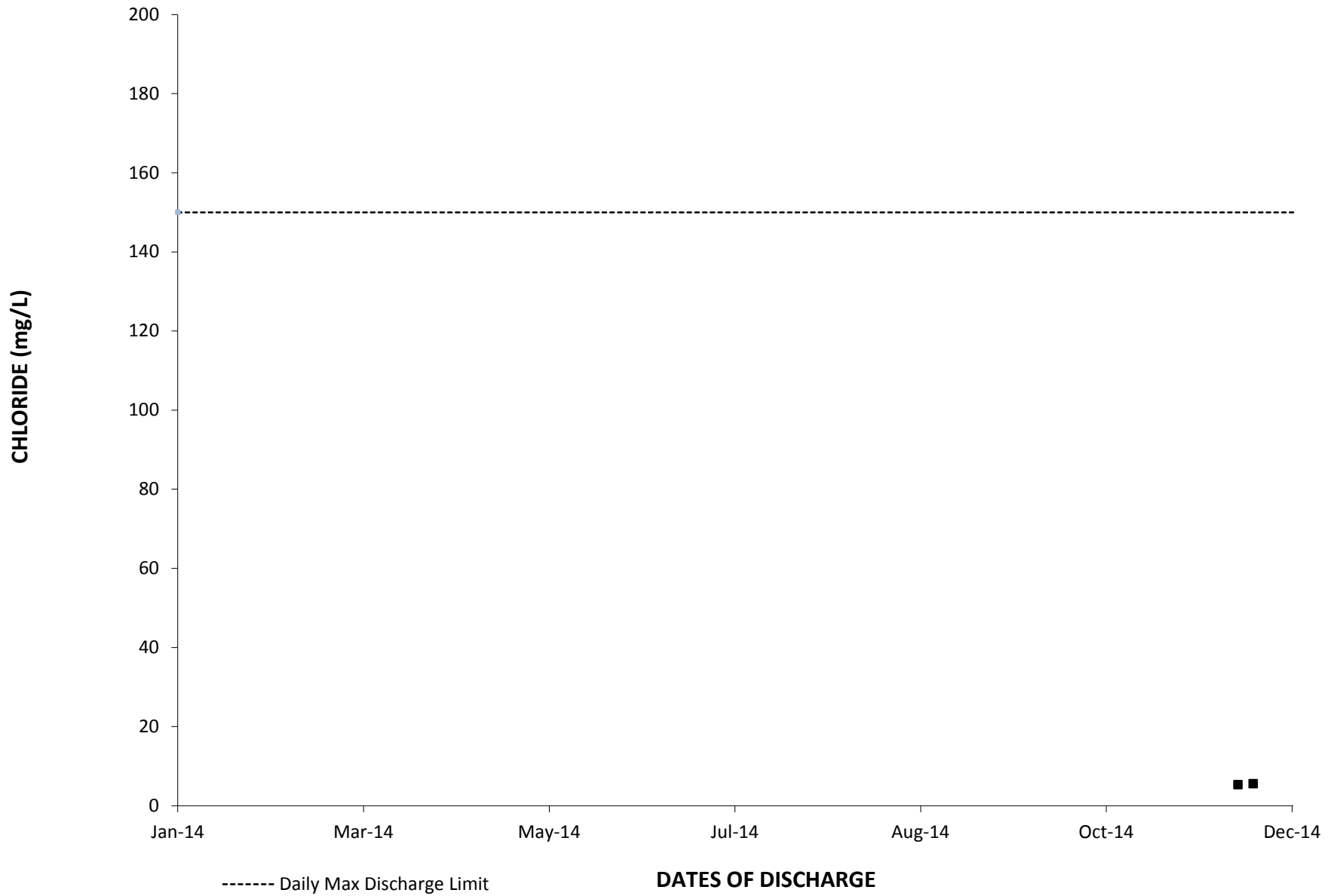
2014: OUTFALL 002 AMMONIA DAILY VALUE



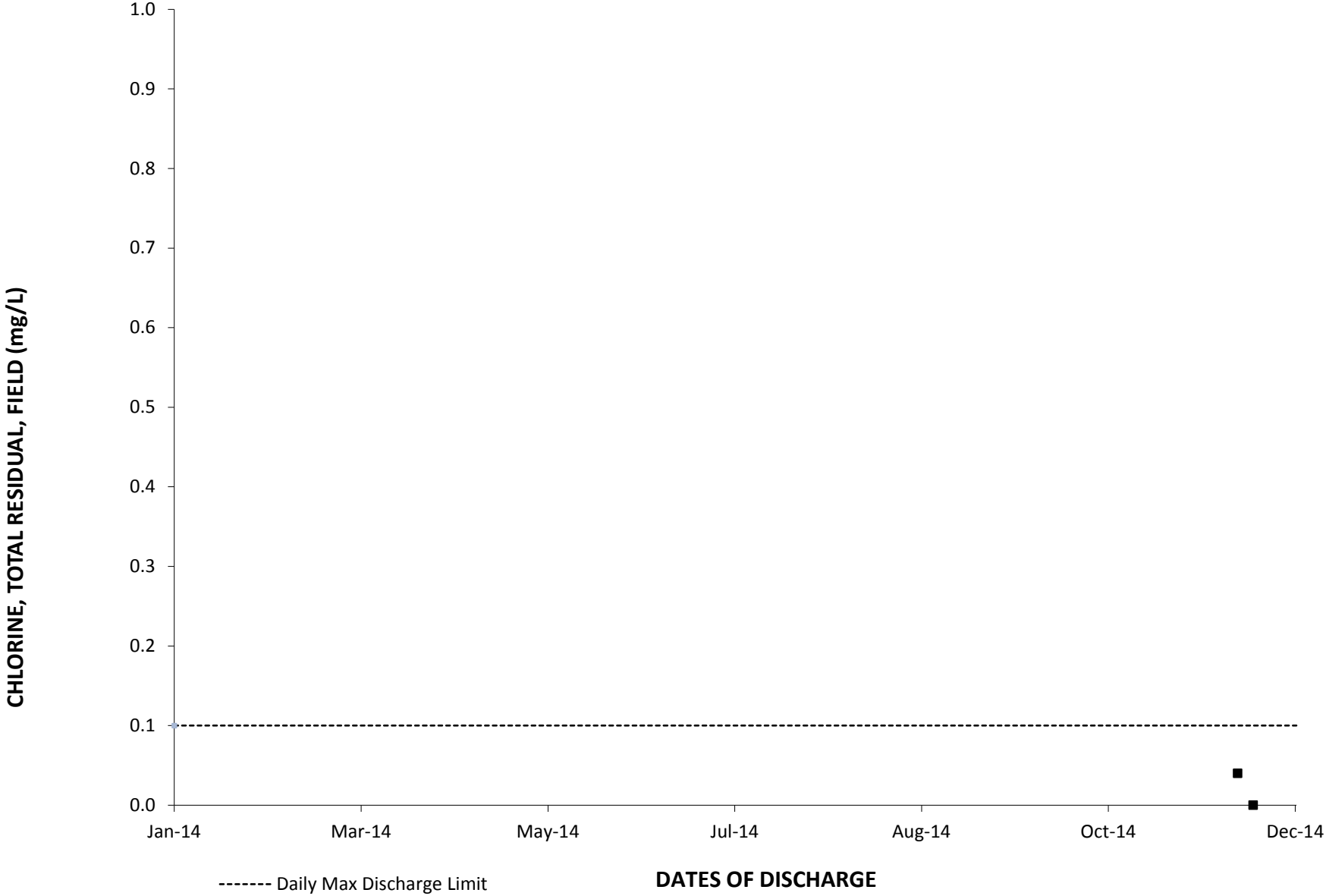
2014: OUTFALL 002 BARIUM DAILY VALUE



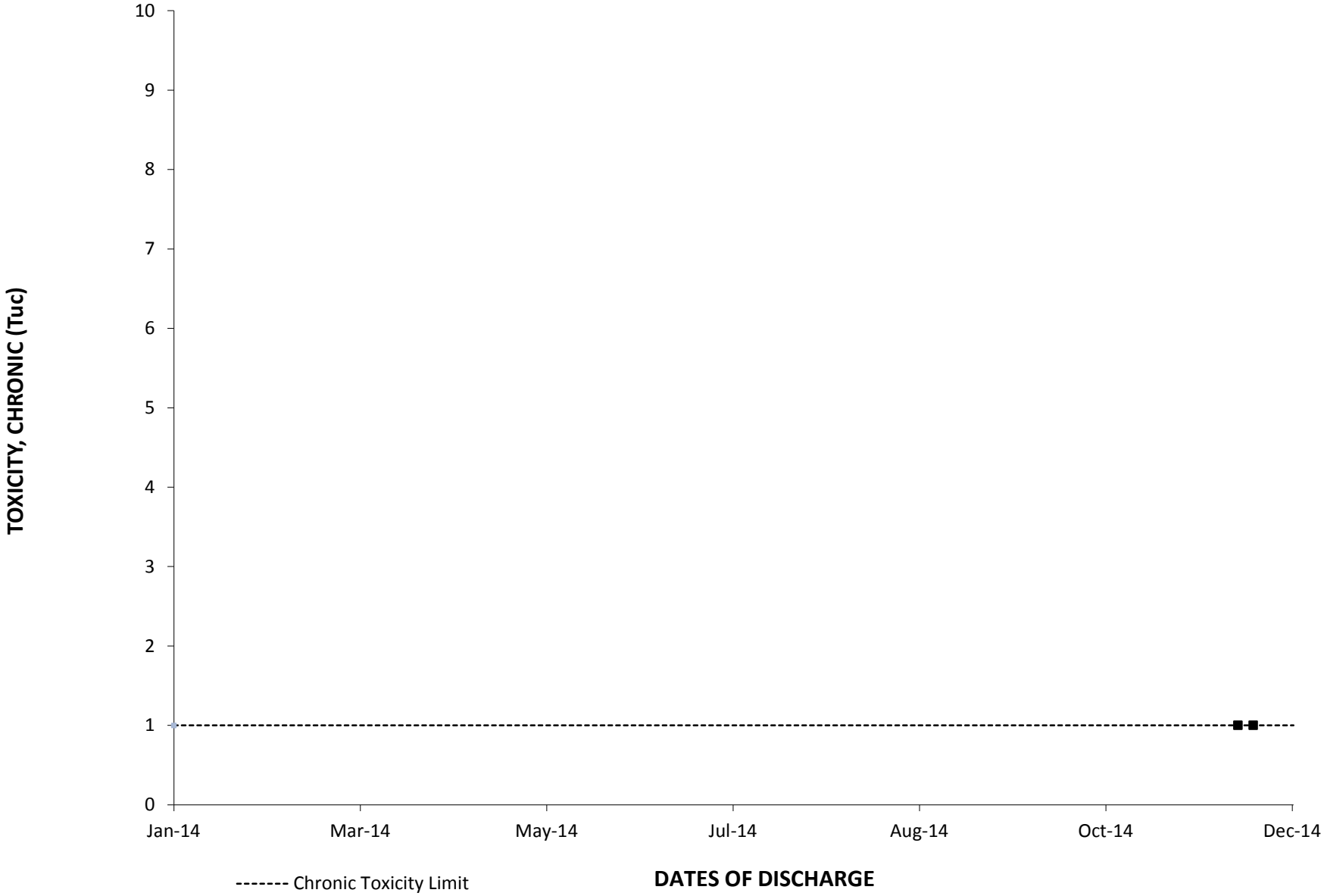
2014: OUTFALL 002 CHLORIDE DAILY VALUE



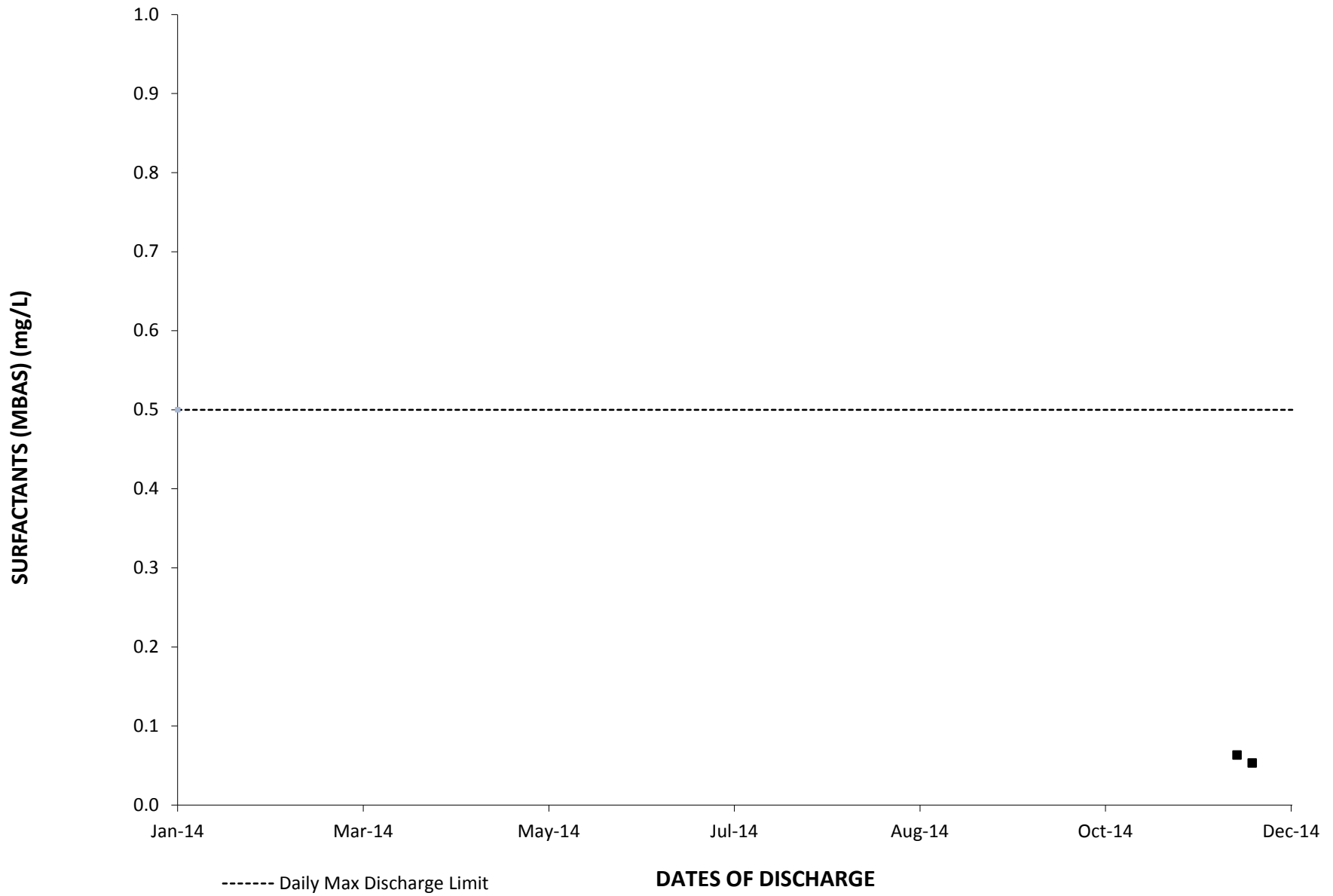
2014: OUTFALL 002 CHLORINE, TOTAL RESIDUAL, FIELD DAILY VALUE



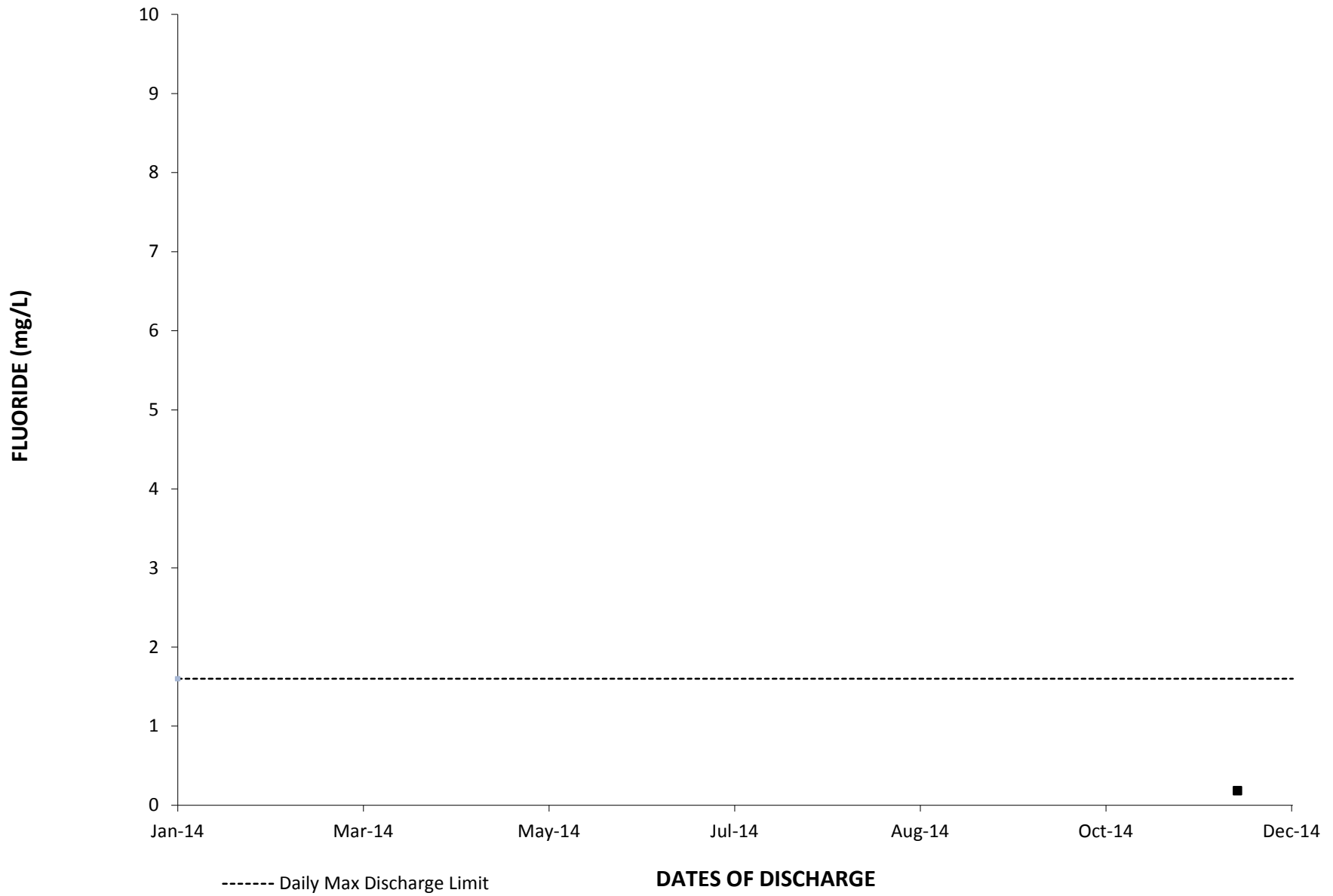
2014: OUTFALL 002 TOXICITY, CHRONIC DAILY VALUE



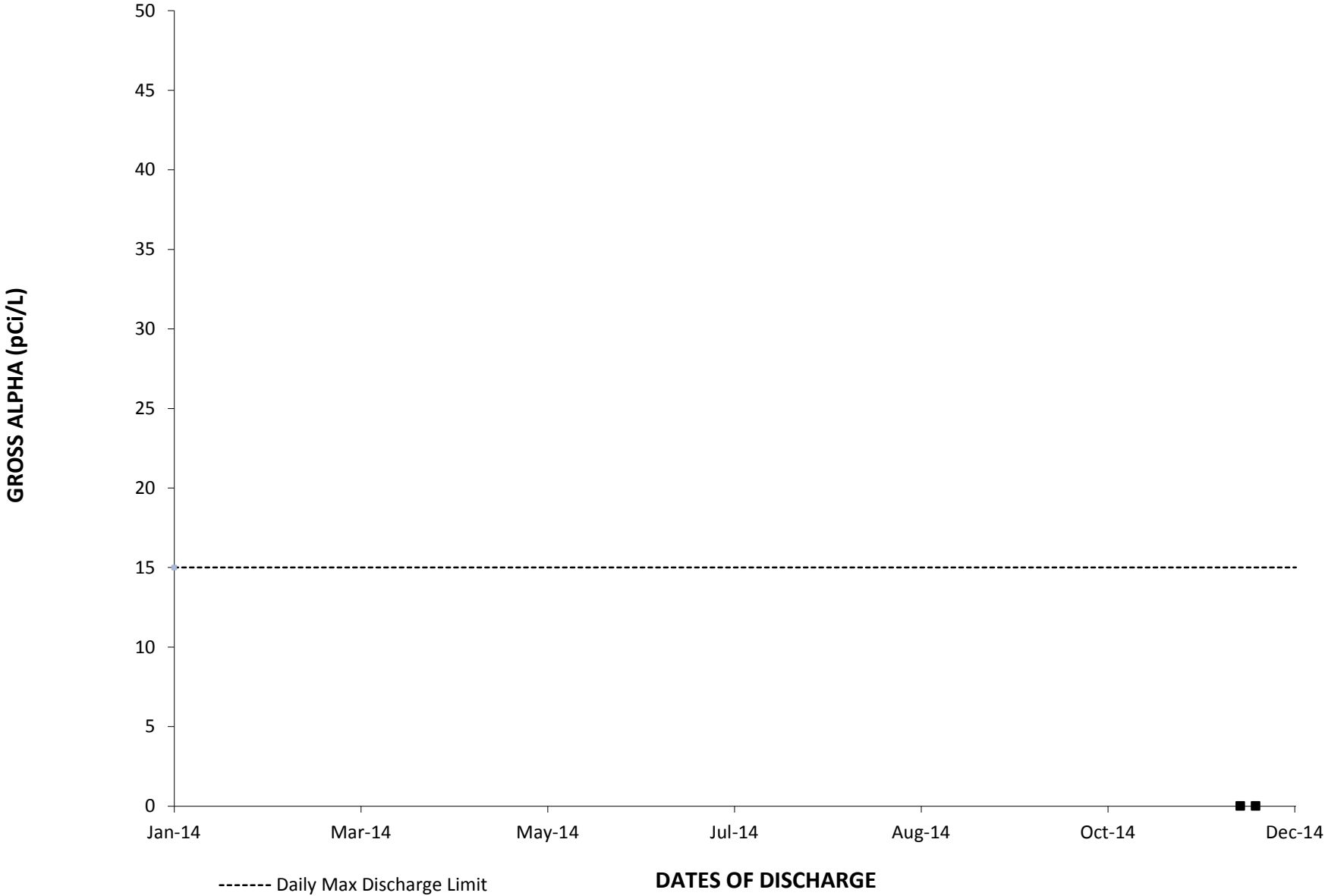
2014: OUTFALL 002 DETERGENTS (MBAS) DAILY VALUE



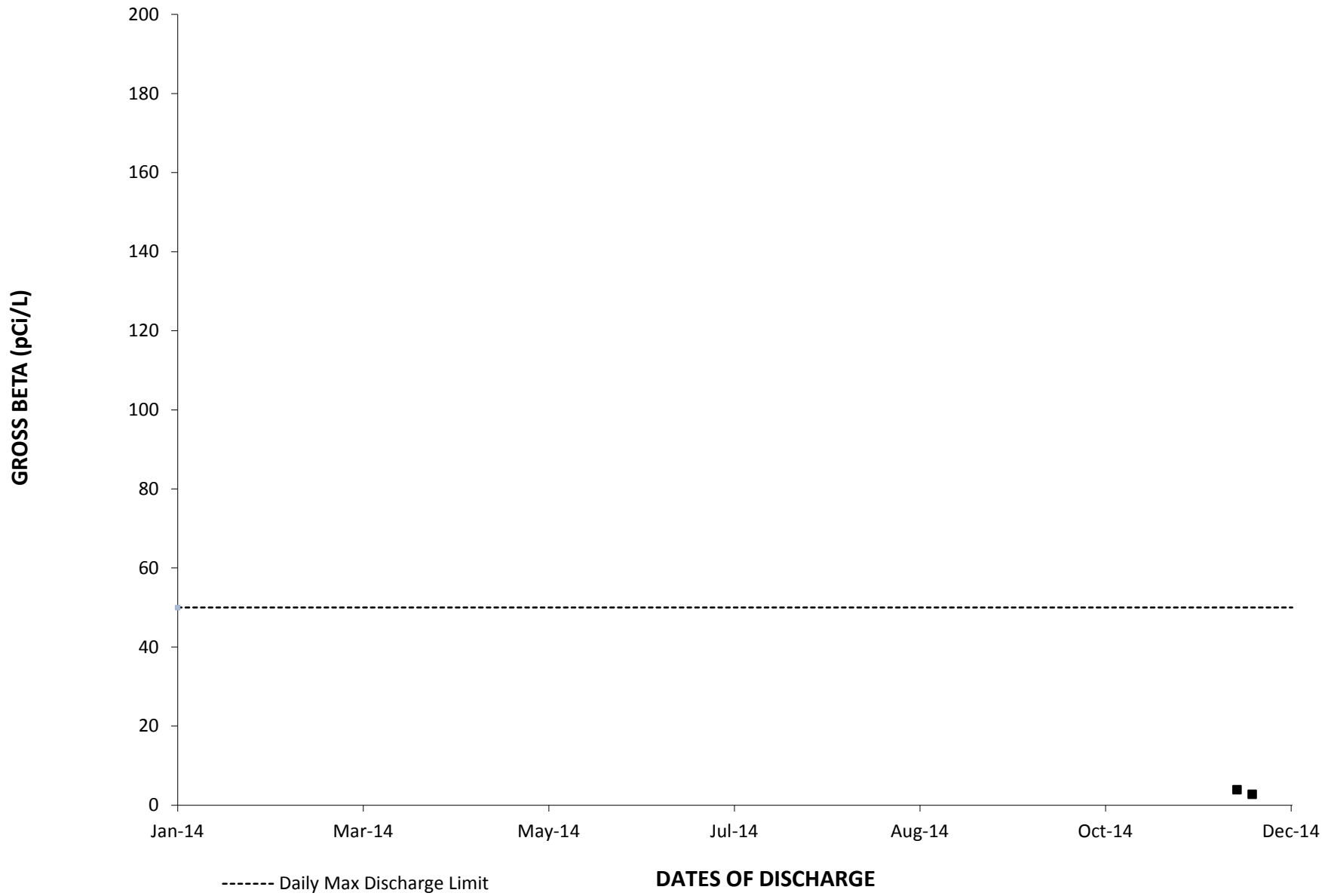
2014: OUTFALL 002 FLUORIDE DAILY VALUE



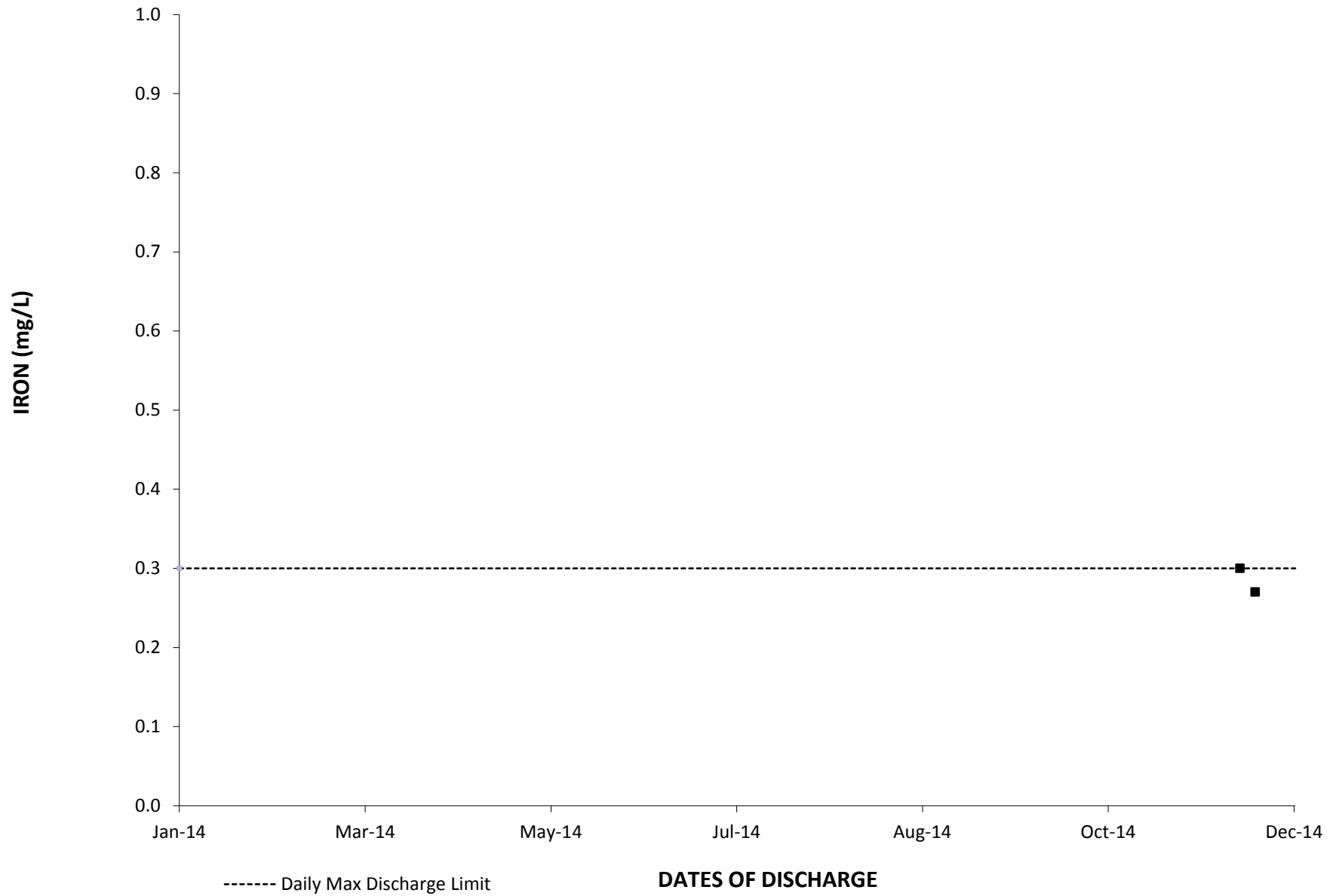
2014: OUTFALL 002 GROSS ALPHA DAILY VALUE



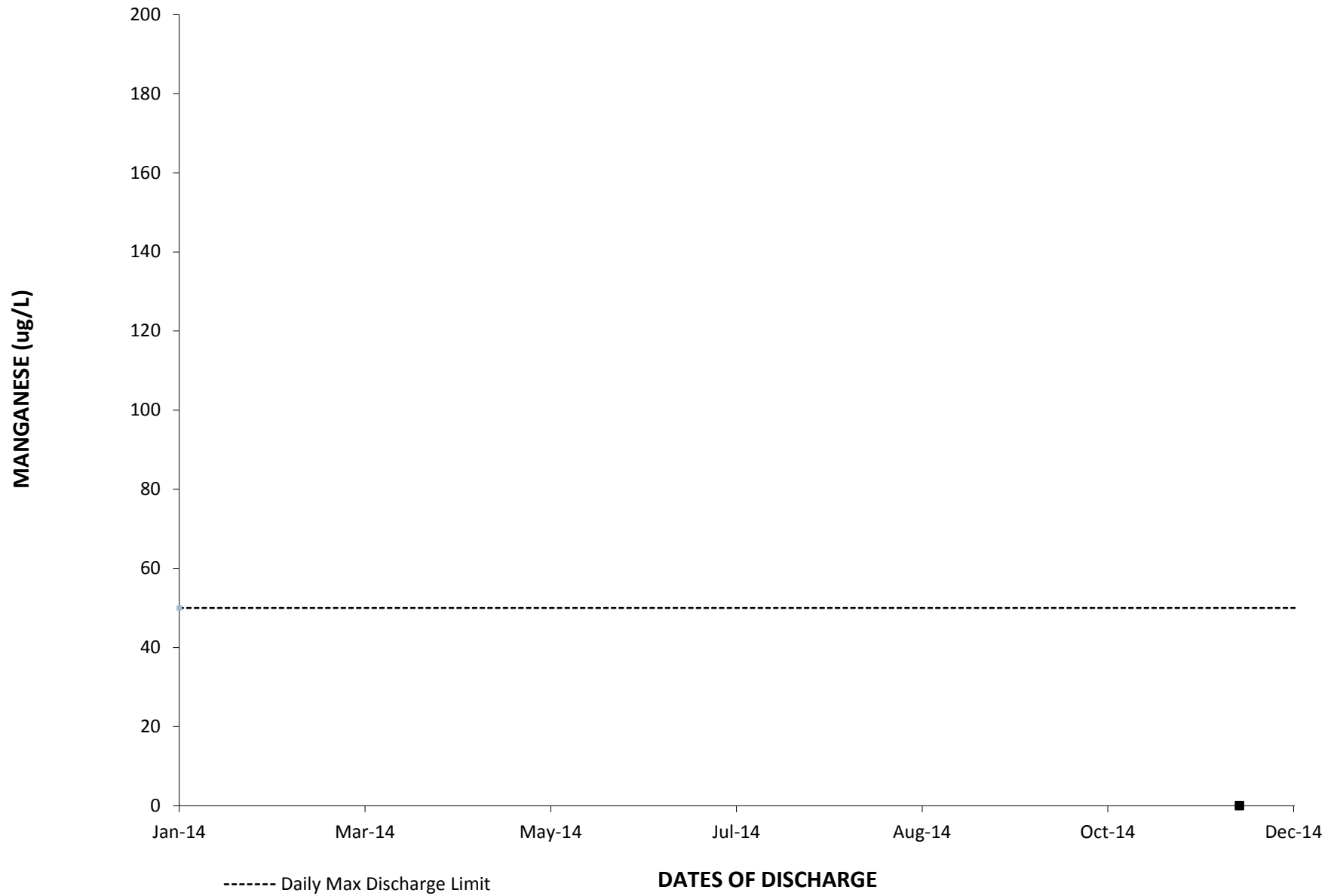
2014: OUTFALL 002 GROSS BETA DAILY VALUE



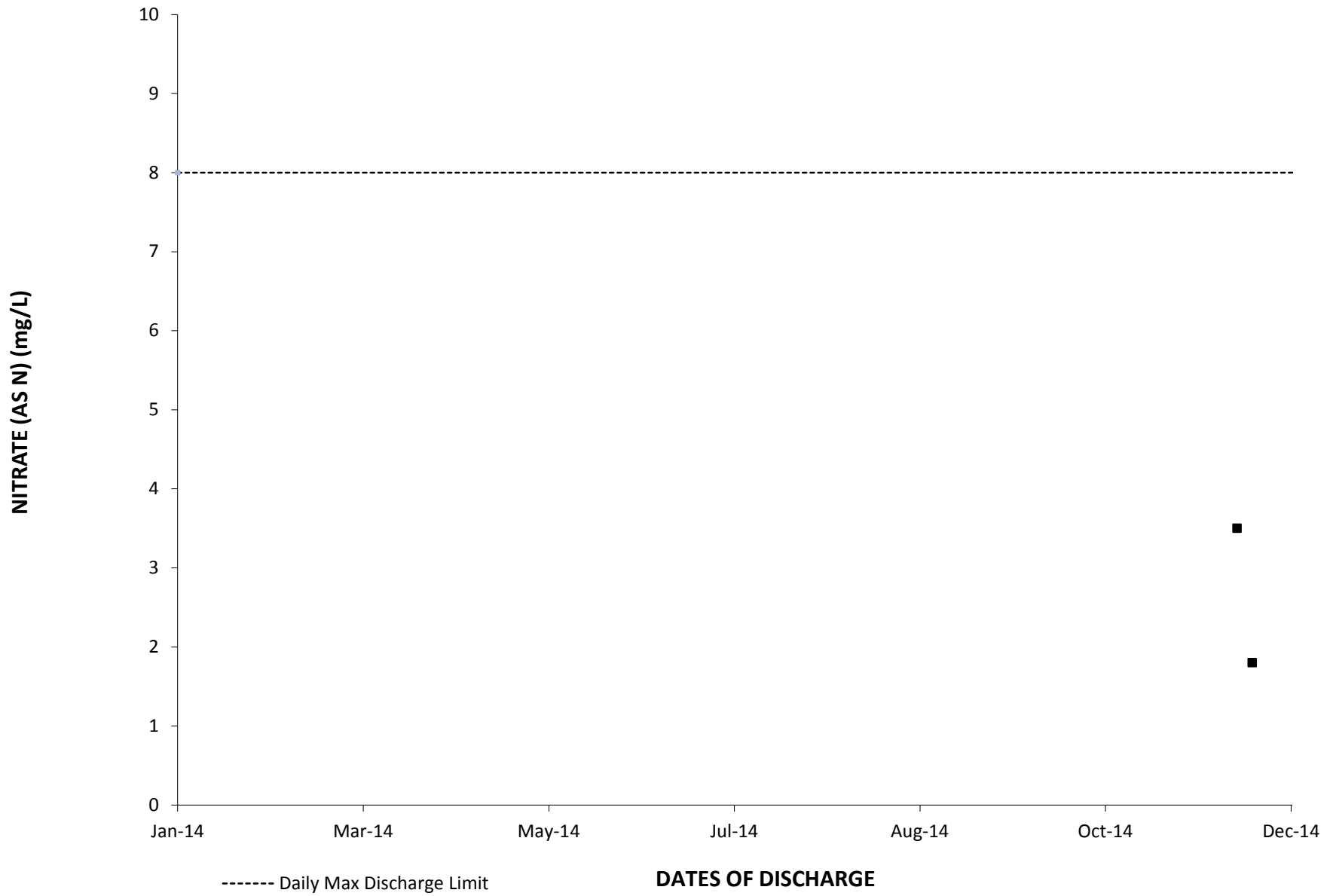
2014: OUTFALL 002 IRON DAILY VALUE



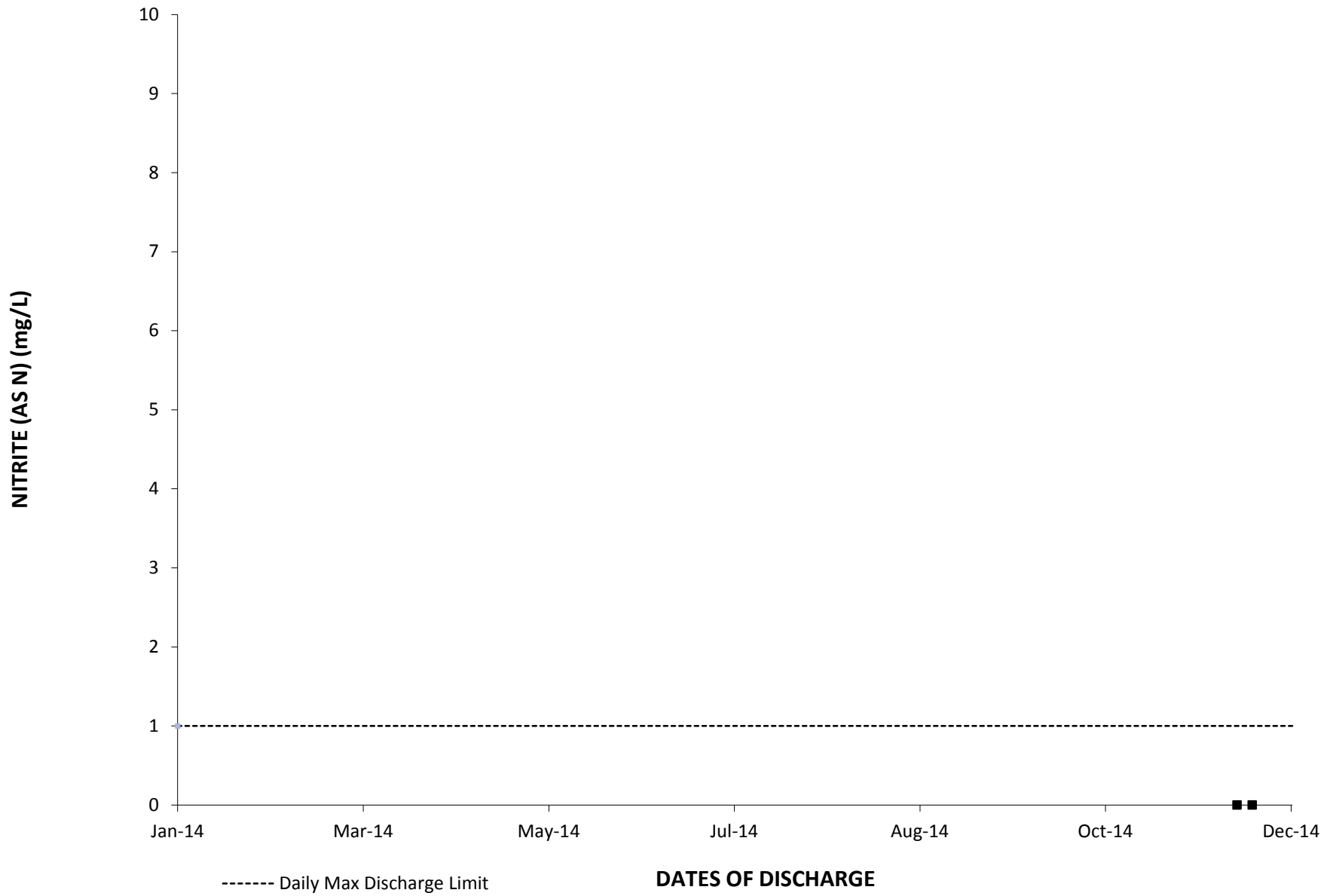
2014: OUTFALL 002 MANGANESE DAILY VALUE



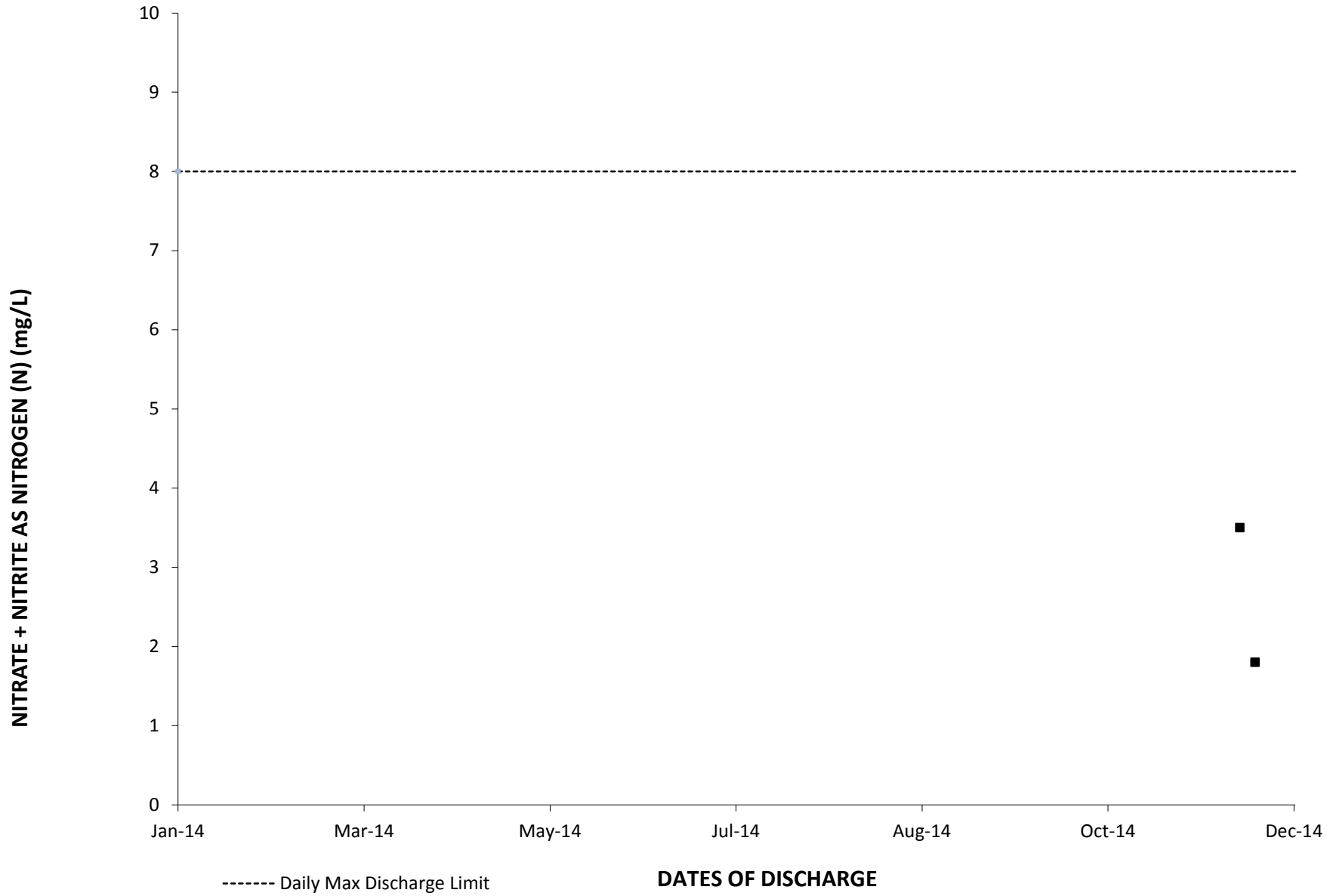
2014: OUTFALL 002 NITRATE (AS N) DAILY VALUE



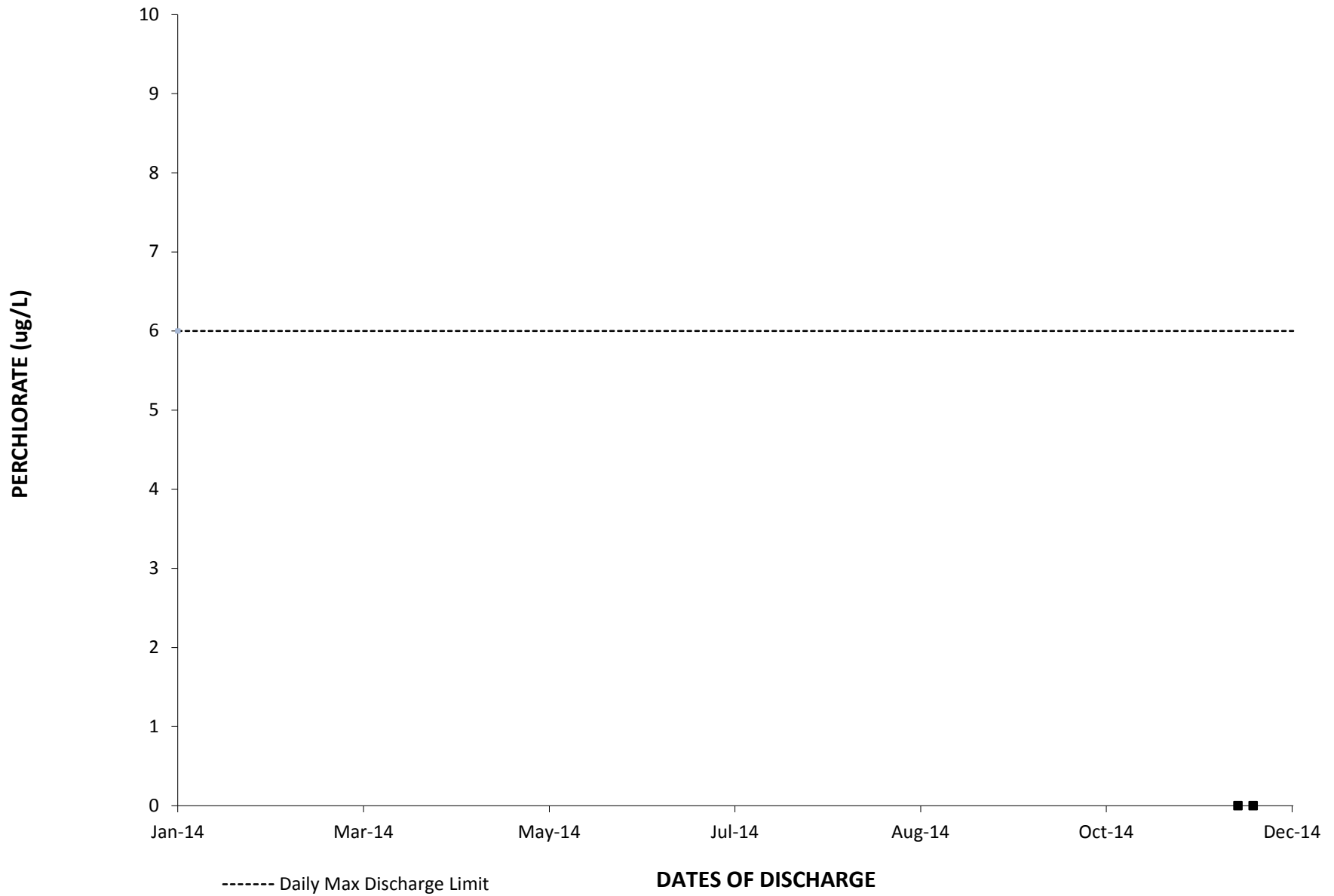
2014: OUTFALL 002 NITRITE (AS N) DAILY VALUE



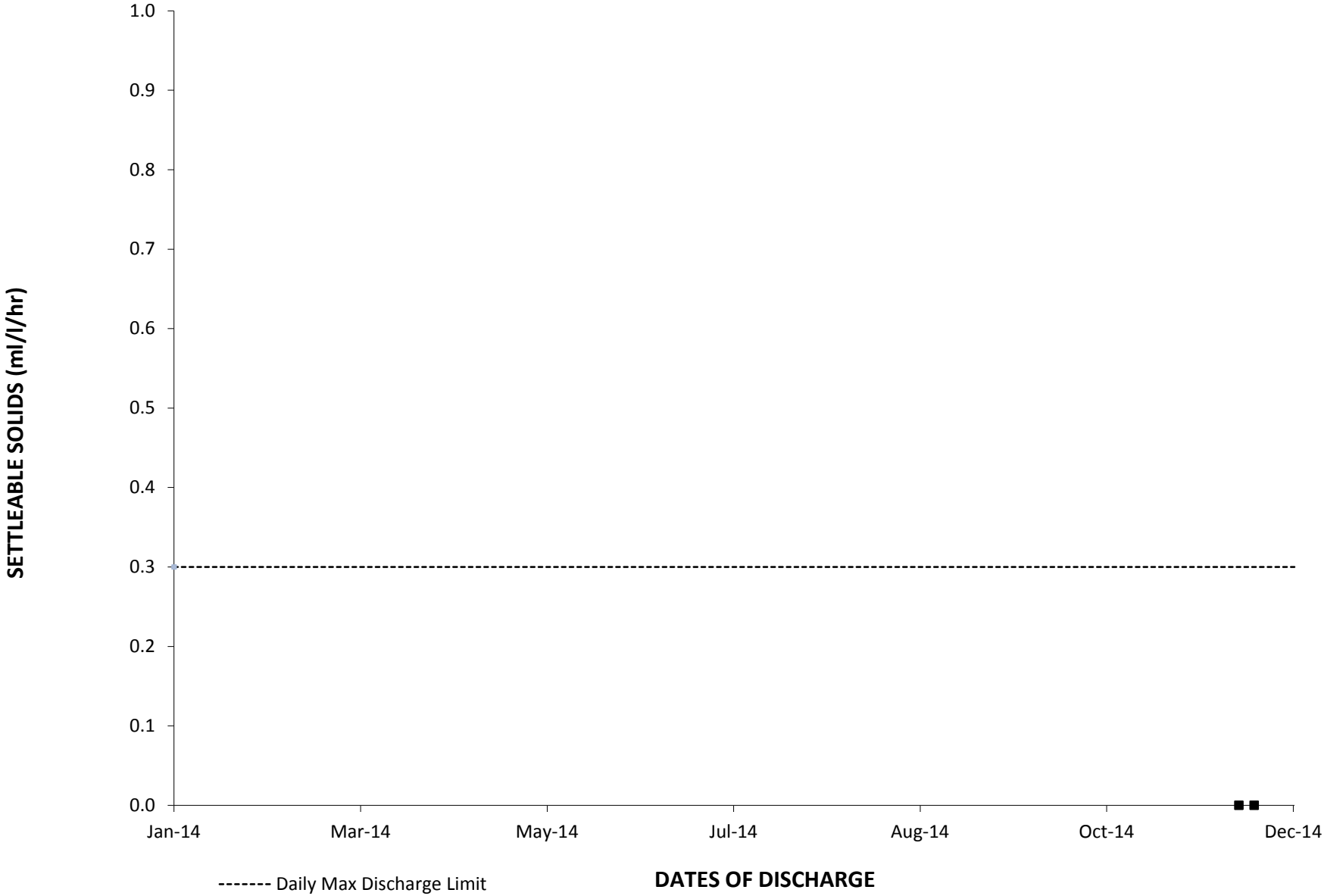
2014: OUTFALL 002 NITRATE + NITRITE AS NITROGEN (N) DAILY VALUE



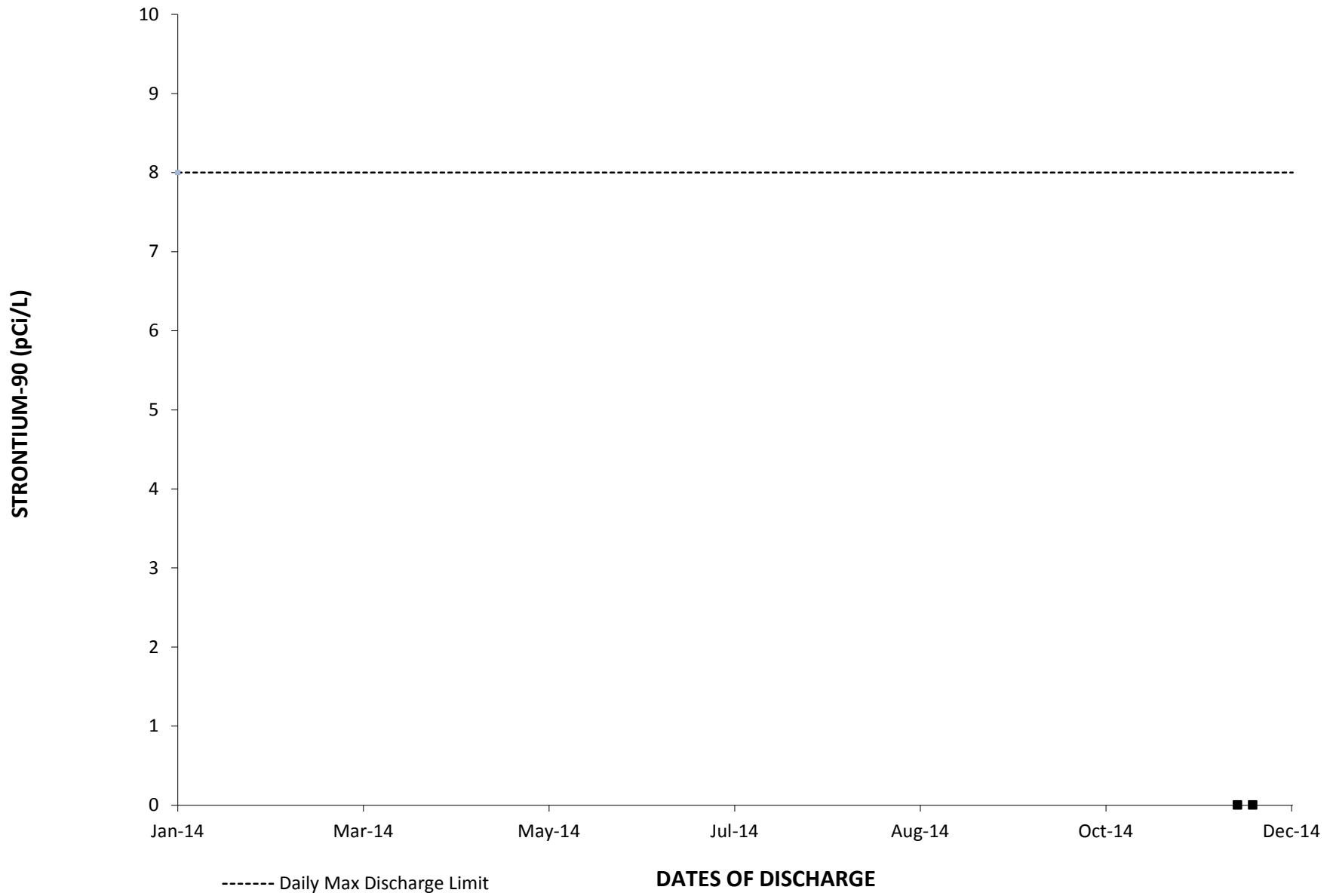
2014: OUTFALL 002 PERCHLORATE DAILY VALUE



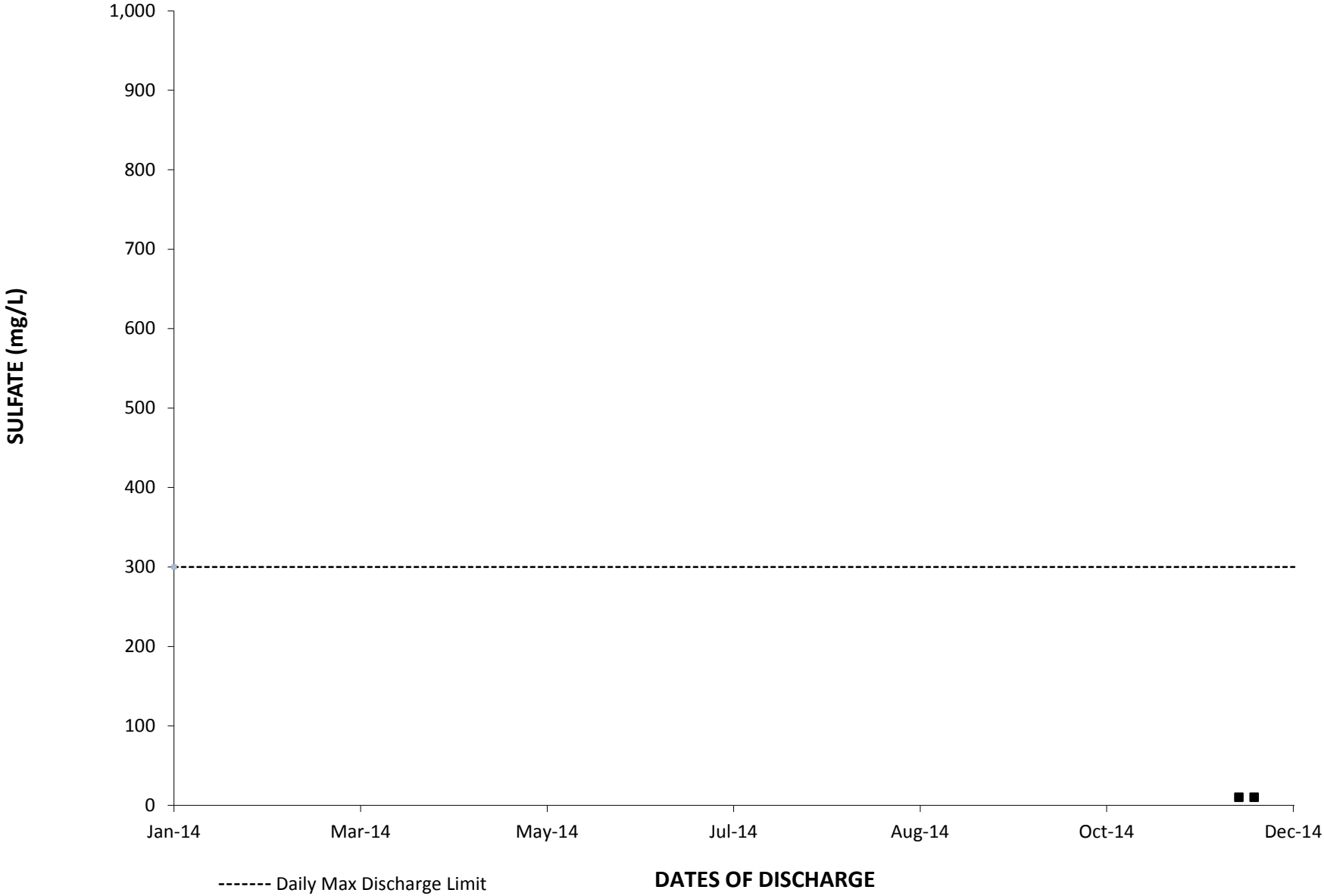
2014: OUTFALL 002 SETTLEABLE SOLIDS DAILY VALUE



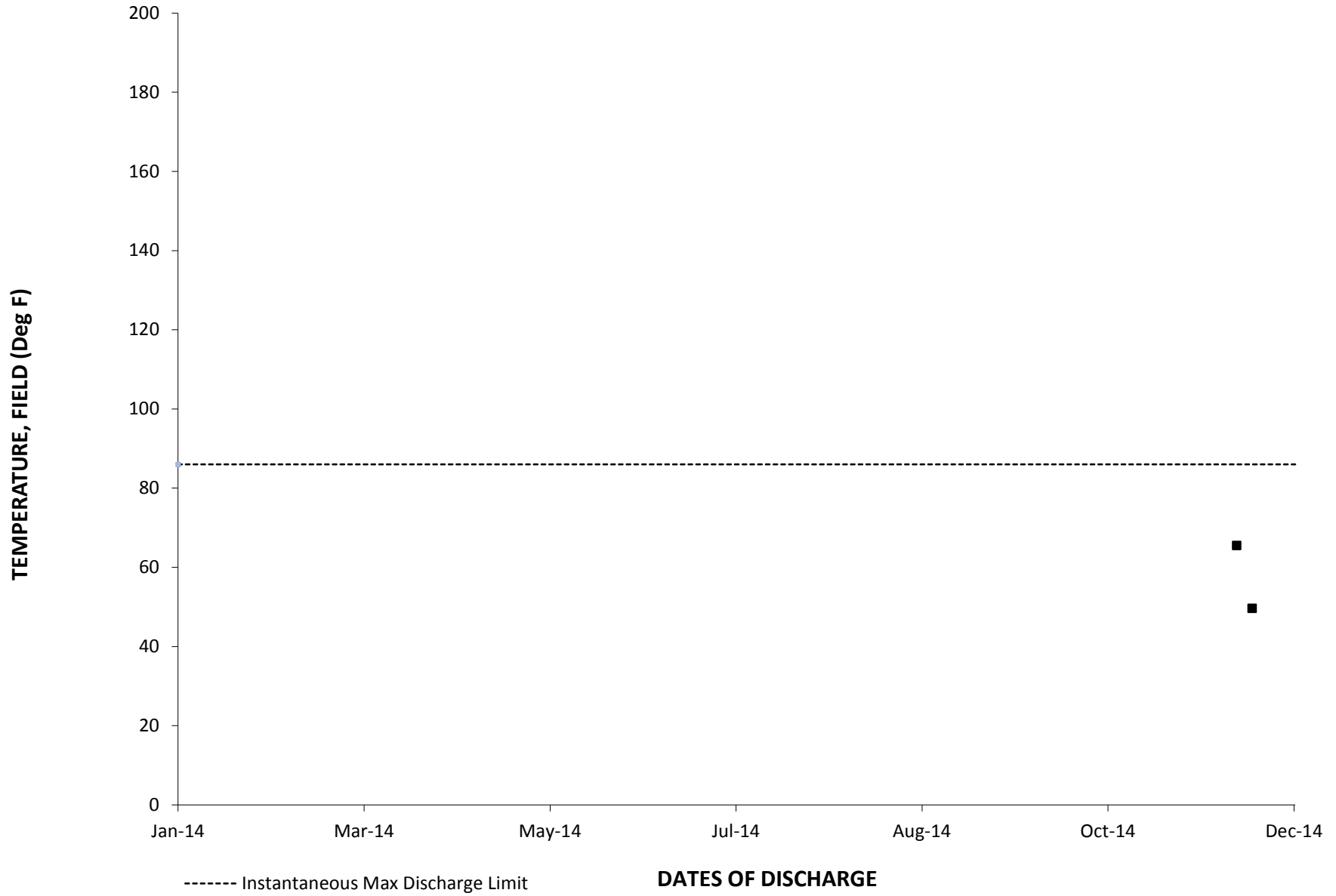
2014: OUTFALL 002 STRONTIUM-90 DAILY VALUE



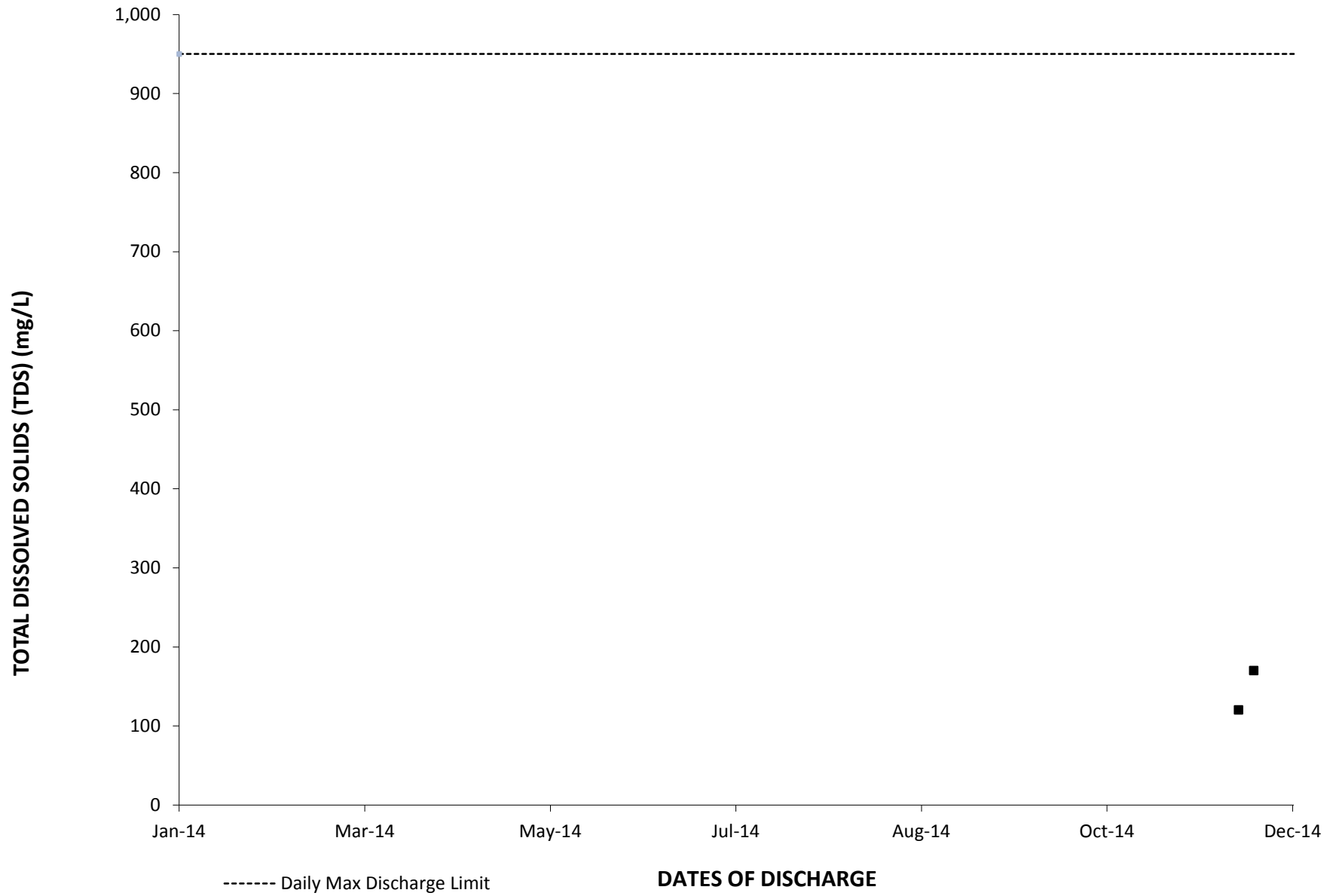
2014: OUTFALL 002 SULFATE DAILY VALUE



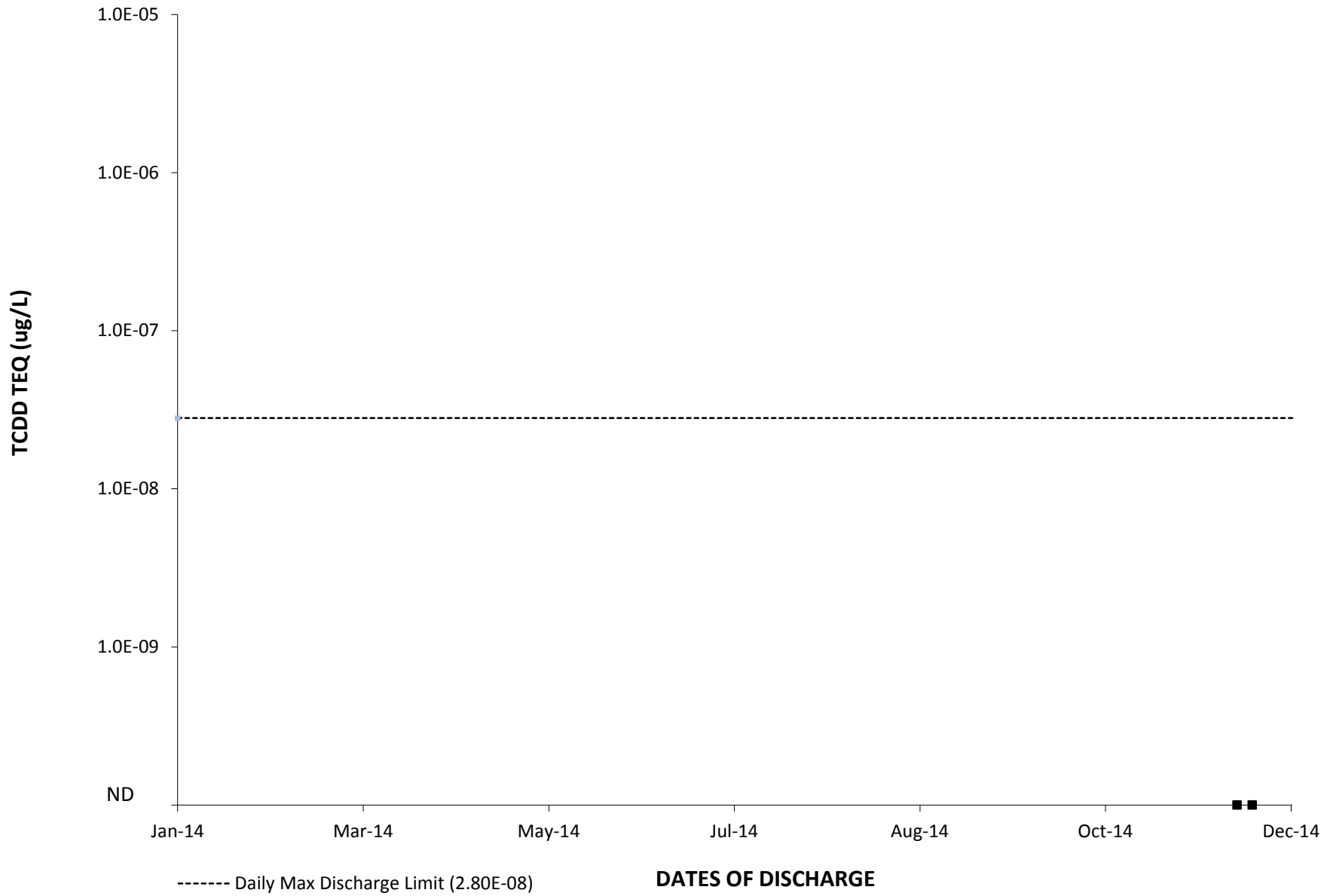
2014: OUTFALL 002 TEMPERATURE, FIELD DAILY VALUE



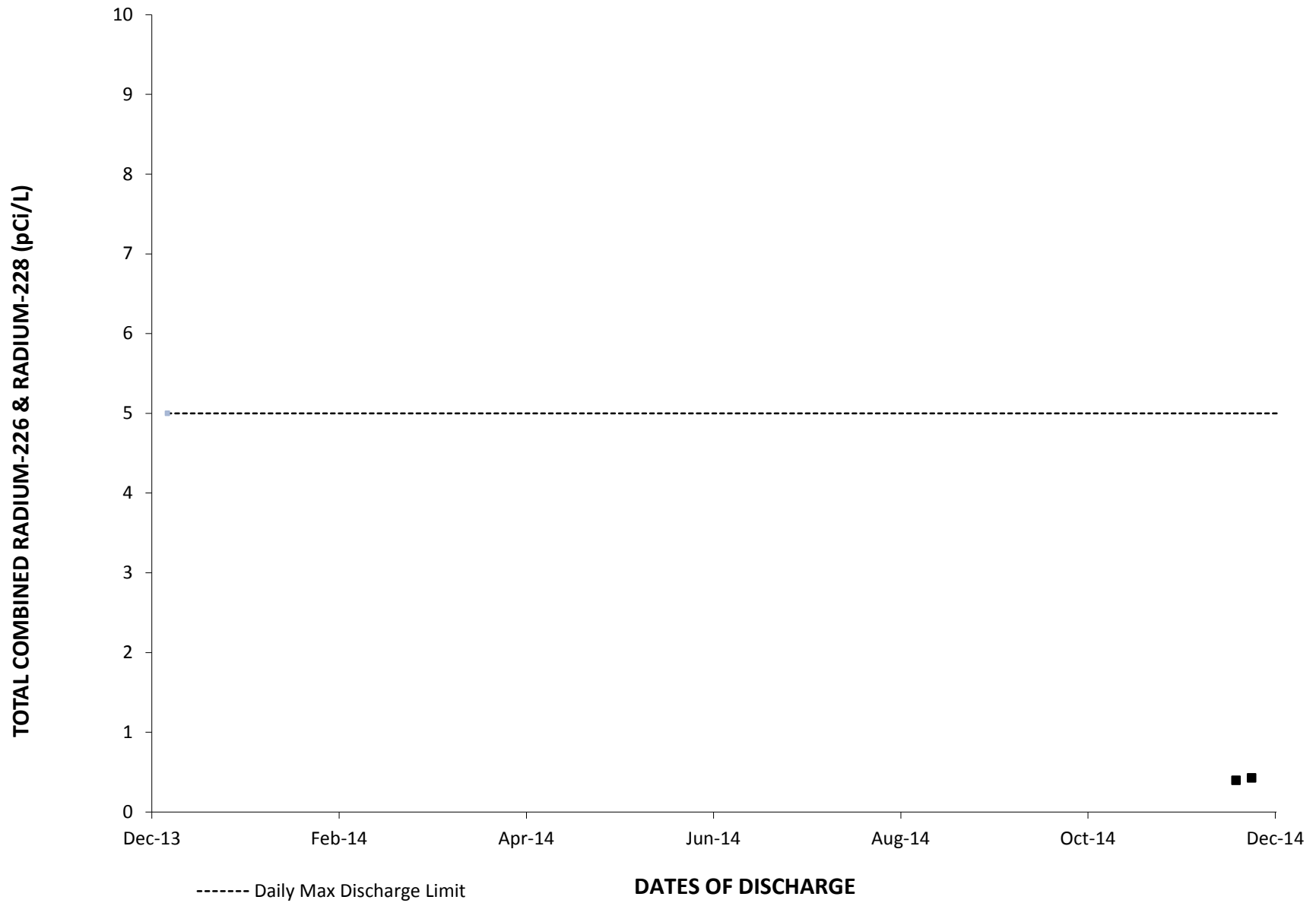
2014: OUTFALL 002 TOTAL DISSOLVED SOLIDS (TDS) DAILY VALUE



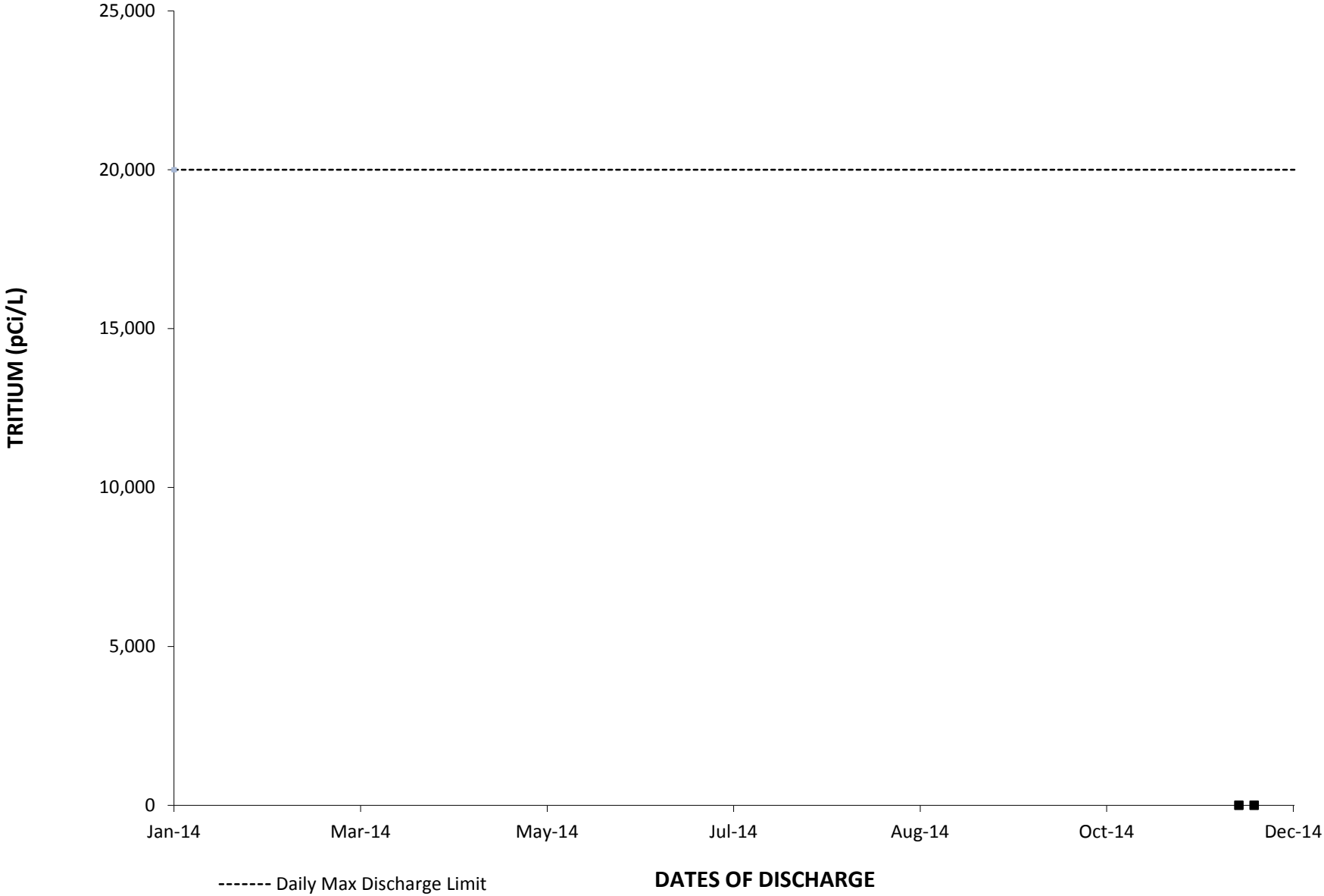
2014: OUTFALL 002 TCDD TEQ DAILY VALUE



2014: OUTFALL 002 TOTAL COMBINED RADIUM-226 & RADIUM-228 DAILY VALUE

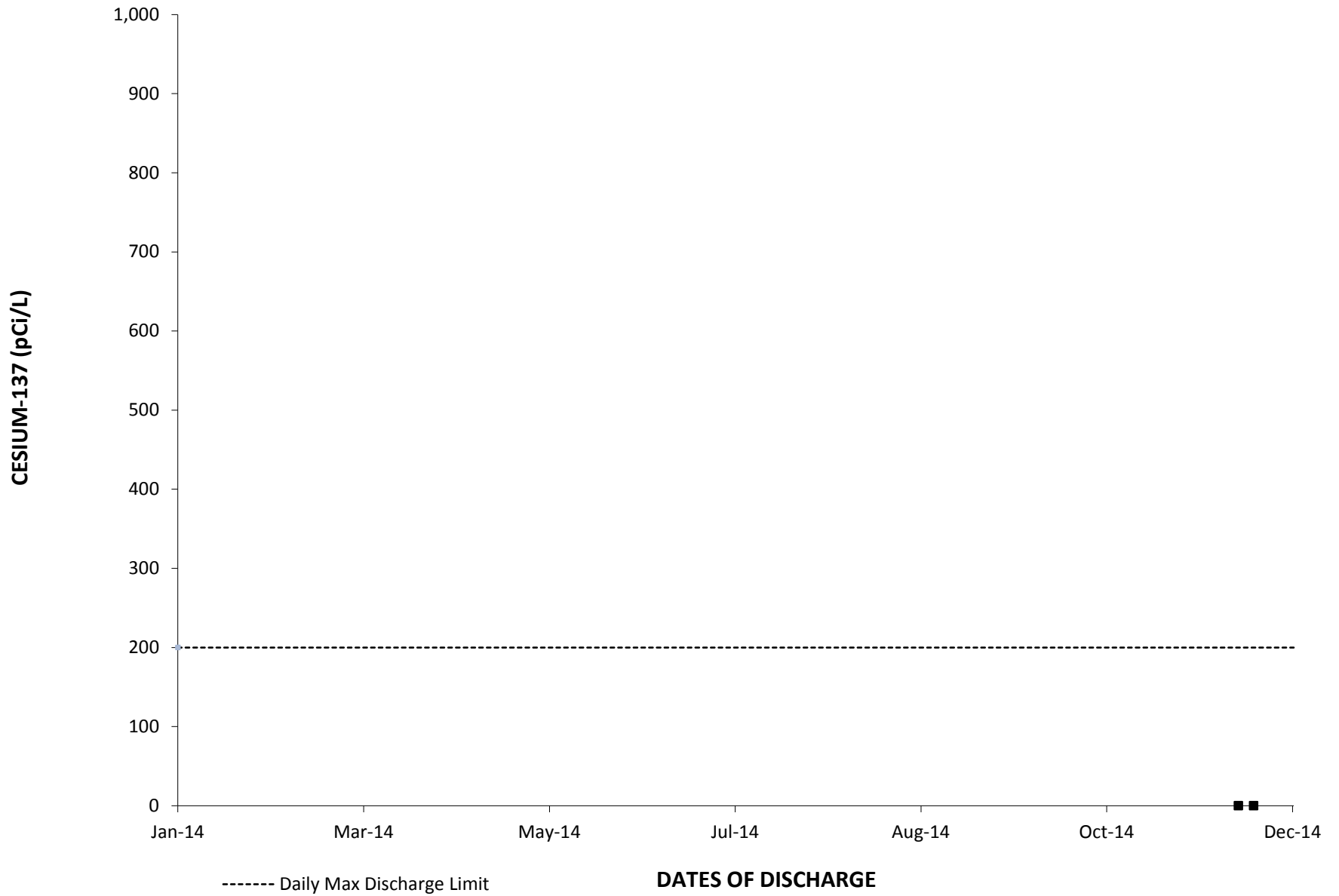


2014: OUTFALL 002 TRITIUM DAILY VALUE

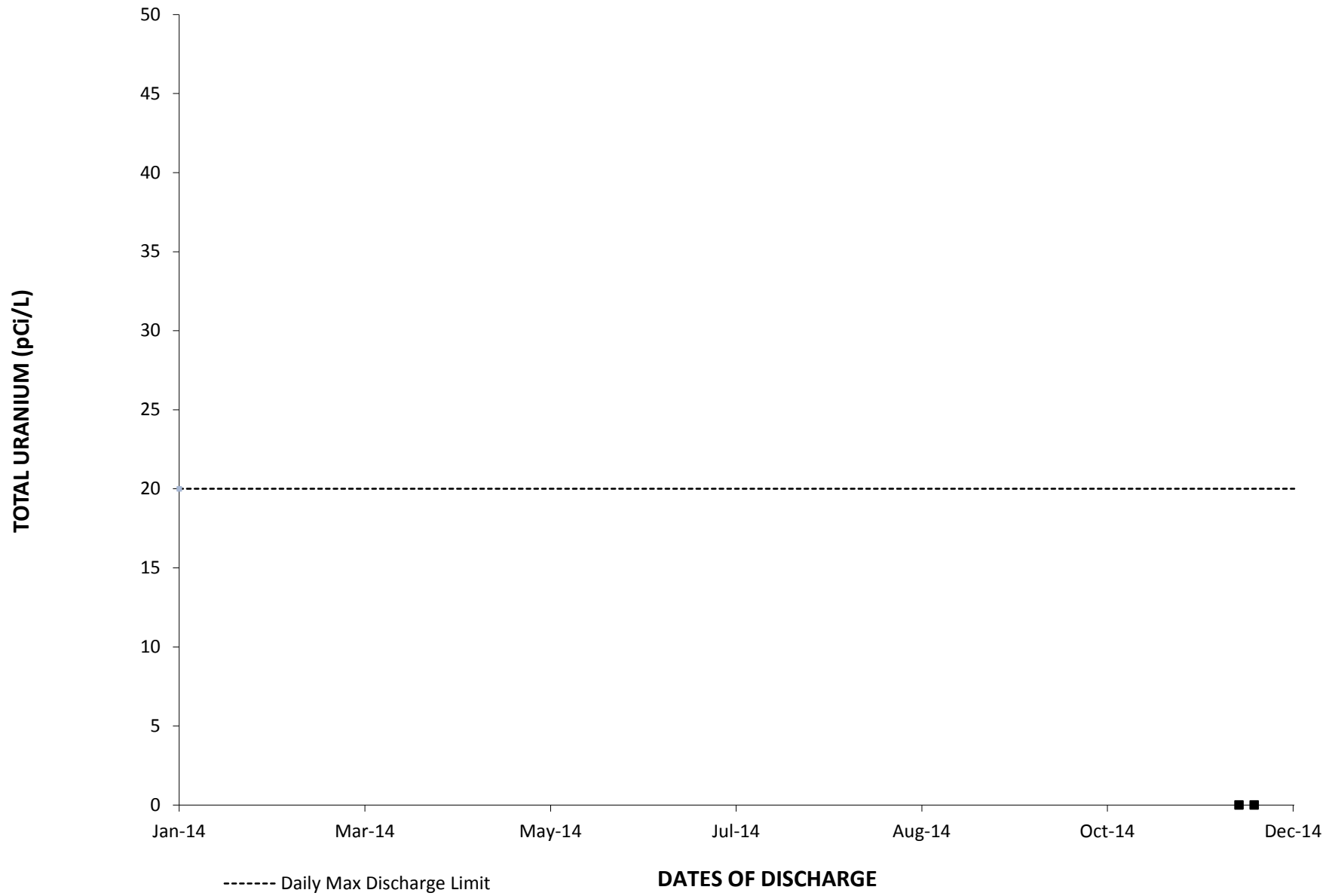


ADDITIONAL POLLUTANTS

2014: OUTFALL 002 CESIUM-137 DAILY VALUE



2014: OUTFALL 002 TOTAL URANIUM DAILY VALUE



APPENDIX D

Outfall 008 - Happy Valley

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Grab and Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	17.89/-	1/Discharge	Meas	0.060756	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	6.61	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Composite	ND < 0.5	U
Cadmium	ug/L	(4.0)3.1/-	1/Discharge	Composite	ND < 0.25	U
Copper	ug/L	14/-	1/Discharge	Composite	5.2	--
Lead	ug/L	5.2/-	1/Discharge	Composite	2	--
Mercury	ug/L	0.13/-	1/Discharge	Composite	ND < 0.1	U
Nickel	ug/L	100/-	1/Year	Composite	ND < 5	U
Selenium	ug/L	5/-	1/Discharge	Composite	ND < 0.5	UJ (I)
Thallium	ug/L	2.0/-	1/Discharge	Composite	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Zinc	ug/L	159/-	1/Discharge	Composite	31	--
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	Grab	100	*
Ammonia-N	mg/L	10.1/-	1/Discharge	Composite	0.14	J (DNQ)
Boron	mg/L	1.0/-	1/Year	Composite	0.095	--
Chloride	mg/L	150/-	1/Discharge	Composite	4.9	--
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Composite	1.0	*
Fluoride	mg/L	1.6/-	1/Year	Composite	0.15	--
Nitrate-N	mg/L	8/-	1/Discharge	Composite	4.3	--
Nitrite-N	mg/L	1/-	1/Discharge	Composite	ND < 0.07	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	4.3	--
Perchlorate	ug/L	6.0/-	1/Discharge	Composite	2.5	J (DNQ)
Sulfate	mg/L	300/-	1/Discharge	Composite	4.3	--
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	53.11	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	120	--
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,2-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
1,2-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Dichloropropane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.478	U
2,4-Dichlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.957	U
2,4-Dimethylphenol	ug/L	-/-	1/Year	Composite	ND < 0.957	U
2,4-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	U
2,4-Dinitrotoluene	ug/L	-/-	1/Year	Composite	ND < 1.91	U
2,6-Dinitrotoluene	ug/L	-/-	1/Year	Composite	ND < 1.91	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Grab and Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chloroethylvinylether	ug/L	-/-	1/Year	Grab	ND < 1	U
2-Chloronaphthalene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
2-Chlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.478	U
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	UJ (C)
2-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 0.957	U
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	Composite	ND < 1.91	U
4,4'-DDD	ug/L	-/-	1/Year	Composite	ND < 0.0038	U
4,4'-DDE	ug/L	-/-	1/Year	Composite	ND < 0.0029	U
4,4'-DDT	ug/L	-/-	1/Year	Composite	ND < 0.0038	U
4-Bromophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.478	U
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	Composite	ND < 0.191	U
4-Chlorophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.191	U
4-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Acenaphthene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Acenaphthylene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Acrolein	ug/L	-/-	1/Year	Grab	ND < 2.5	U
Acrylonitrile	ug/L	-/-	1/Year	Grab	ND < 1	U
Aldrin	ug/L	-/-	1/Year	Composite	ND < 0.0014	U
alpha-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0024	U
Anthracene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Aroclor 1016	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1221	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1232	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1242	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1248	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1254	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Aroclor 1260	ug/L	-/-	1/Year	Composite	ND < 0.24	U
Arsenic	ug/L	-/-	1/Year	Composite	ND < 5	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 9.1	U
Benzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	ug/L	-/-	1/Year	Composite	ND < 4.78	UJ (C)
Benzo(a)anthracene	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Benzo(a)pyrene	ug/L	-/-	1/Year	Composite	ND < 4.78	U
Benzo(b)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.957	U
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	Composite	ND < 1.91	UJ (C)
Benzo(k)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.239	U
Beryllium	ug/L	-/-	1/Year	Composite	ND < 1	U
beta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0038	U
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Bromodichloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	ug/L	-/-	1/Year	Grab	ND < 0.4	U
Bromomethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Carbon Tetrachloride	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	ug/L	-/-	1/Year	Composite	ND < 0.076	U
Chlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/12/2014 (Grab and Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	1/Year	Grab	ND < 0.4	U
Chloroform	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	ug/L	-/-	1/Year	Composite	3.8	J (DNQ)
Chromium VI	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chrysene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0033	U
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	Composite	ND < 0.239	U
Dibromochloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	U
Diethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Dimethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.239	U
Di-n-butylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.957	U
Di-n-octylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Endosulfan I	ug/L	-/-	1/Year	Composite	ND < 0.0029	U
Endosulfan II	ug/L	-/-	1/Year	Composite	ND < 0.0019	U
Endosulfan Sulfate	ug/L	-/-	1/Year	Composite	ND < 0.0029	U
Endrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	U
Endrin Aldehyde	ug/L	-/-	1/Year	Composite	ND < 0.0019	U
Ethylbenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Fluorene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Heptachlor	ug/L	-/-	1/Year	Composite	ND < 0.0029	U
Heptachlor Epoxide	ug/L	-/-	1/Year	Composite	ND < 0.0024	U
Hexachlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Hexachlorobutadiene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	Composite	ND < 1.91	U
Hexachloroethane	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	Composite	ND < 0.957	U
Isophorone	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Lindane (gamma-BHC)	ug/L	-/-	1/Year	Composite	ND < 0.0029	U
Methylene chloride	ug/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Nitrobenzene	ug/L	-/-	1/Year	Composite	ND < 0.478	U
N-Nitrosodimethylamine	ug/L	-/-	1/Year	Composite	ND < 0.957	U
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	Composite	ND < 0.957	U
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Pentachlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.957	U
Phenanthrene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Phenol	ug/L	-/-	1/Year	Composite	ND < 0.478	U
Pyrene	ug/L	-/-	1/Year	Composite	ND < 0.191	U
Silver	ug/L	-/-	1/Year	Composite	ND < 5	U
Tetrachloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Toluene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Toxaphene	ug/L	-/-	1/Year	Composite	ND < 0.24	U
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Grab and Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Trichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Trichlorofluoromethane	ug/L	-/-	1/Year	Composite	ND < 0.25	U
Vinyl chloride	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Xylenes (Total)	ug/L	-/-	1/Year	Grab	ND < 0.5	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Grab and Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	Composite	3,100	--
Chlorpyrifos	ug/L	-/-	1/Year	Composite	ND < 0.48	U
Diazinon	ug/L	-/-	1/Year	Composite	ND < 0.12	UJ (H)
E. Coli	MPN/100mL	-/-	1/Year	Grab	>=1,600	--
Fecal Coliform	MPN/100mL	-/-	1/Year	Grab	>=1,600	--
Hardness	mg/L	-/-	1/Year	Composite	55	--
Iron	mg/L	-/-	1/Year	Composite	3	--
Total Suspended Solids	mg/L	-/-	1/Year	Composite	27	--
Vanadium	ug/L	-/-	1/Year	Composite	6.6	J (DNQ)
ADDITIONAL POLLUTANTS						
Aluminum, dissolved	ug/L	-/-	Additional	Composite	190	--
Antimony, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Arsenic, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Beryllium, dissolved	ug/L	-/-	Additional	Composite	ND < 1	U
Boron, dissolved	mg/L	-/-	Additional	Composite	0.095	--
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Chromium, dissolved	ug/L	-/-	Additional	Composite	ND < 2.5	U
Copper, dissolved	ug/L	-/-	Additional	Composite	3.2	--
Hardness, dissolved	mg/L	-/-	Additional	Composite	48	--
Iron, dissolved	mg/L	-/-	Additional	Composite	0.16	--
Lead, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	U
Nickel, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Selenium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	UJ (I)
Silver, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	Composite	ND < 5	U
Zinc, Dissolved	ug/L	-/-	Additional	Composite	12	--

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 12, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	4.75E-05	6.09E-06	UJ (*III)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	4.75E-05	2.44E-06	J (DNQ)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	4.75E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	4.75E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	9.40E-06	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	9.40E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	9.50E-05	6.78E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.20E-05	9.50E-05	2.96E-06	UJ (*III)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								ND

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
NON-CONVENTIONAL POLLUTANTS						
Gross Alpha	pCi/L	15/-	1/Discharge	3.04 ± 1.37	1.59	J (C)
Gross Beta	pCi/L	50/-	1/Discharge	6.61 ± 1.24	1.06	--
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.264 ± 0.378	0.725	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.397 ± 0.405	NA	UJ (C)
Tritium	pCi/L	20000/-	1/Discharge	99.5 ± 184	313	U
ADDITIONAL POLLUTANTS						
Cesium 137	pCi/L	200/-	1/Discharge	0.000 ± 2.82	12.4	U
Uranium, Total	pCi/L	20/-	1/Discharge	0.556 ± 0.662	0.841	U
ADDITIONAL POLLUTANTS WITHOUT LIMITS						
Potassium-40	pCi/L	-/-	1/Discharge	-38.0 ± 188	171	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

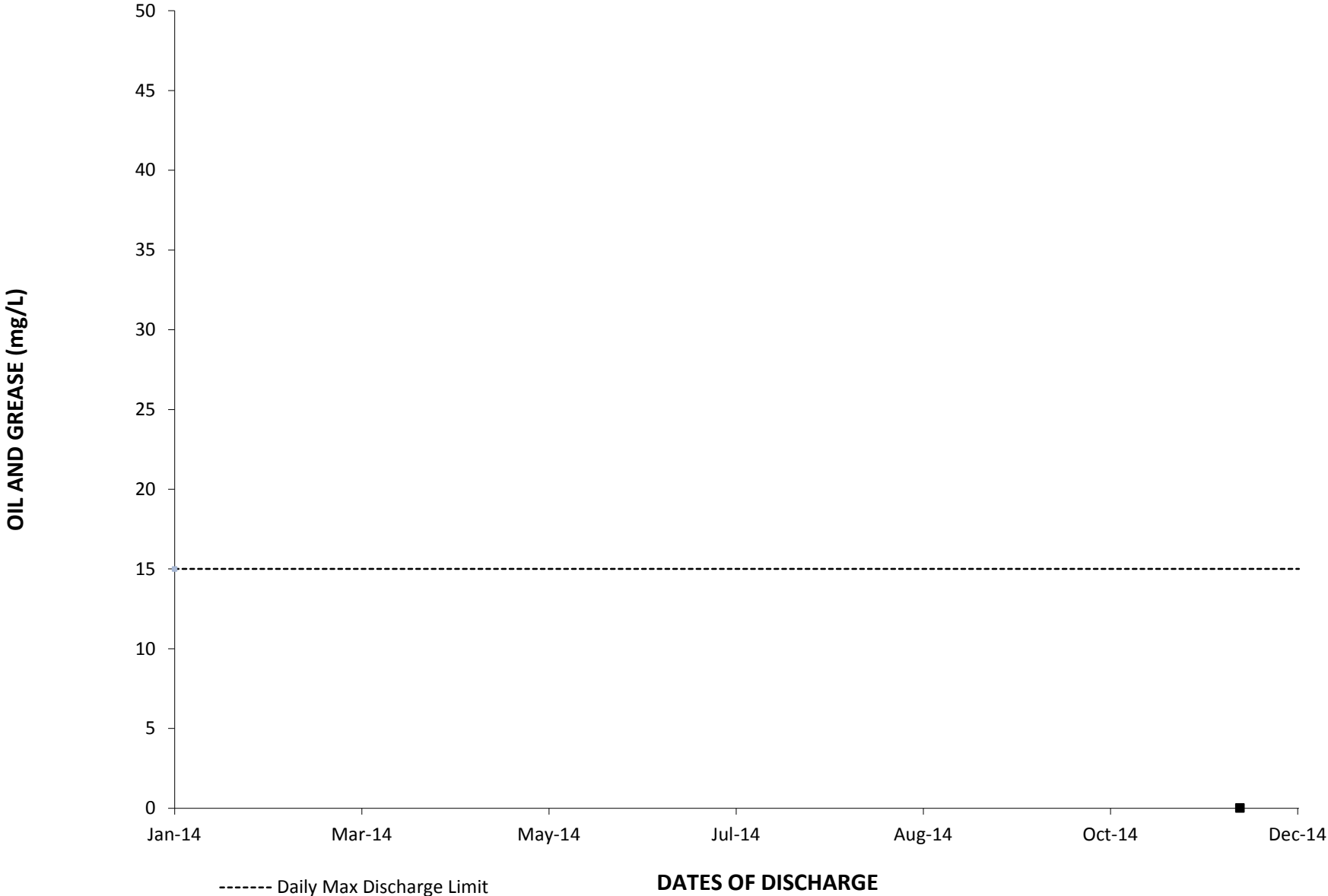
January 1 through December 31, 2014

					12/12/2014 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	Sample Type	Result	Concentration Result Validation Qualifier
Flow**	MGD	17.89/-	1/Discharge	Meas	0.060756	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	U
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(0.59)0.46/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	2.1/-	1/Discharge	Composite	0.0026	--
Lead	LBS/DAY	0.77/-	1/Discharge	Composite	0.0010	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	14.9/-	1/Year	Composite	ND	U
Selenium	LBS/DAY	0.7/-	1/Discharge	Composite	ND	UJ (I)
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	24/-	1/Discharge	Composite	0.016	--
NON-CONVENTIONAL POLLUTANTS						
Ammonia-N	LBS/DAY	15,000/-	1/Discharge	Composite	0.071	J (DNQ)
Boron	LBS/DAY	148/-	1/Year	Composite	0.048	--
Chloride	LBS/DAY	22,268/-	1/Discharge	Composite	2.5	*
Fluoride	LBS/DAY	238/-	1/Year	Composite	0.076	--
Nitrate-N	LBS/DAY	1,190/-	1/Discharge	Composite	2.2	--
Nitrite-N	LBS/DAY	148/-	1/Discharge	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Composite	2.2	--
Perchlorate	LBS/DAY	0.89/-	1/Discharge	Composite	0.0013	J (DNQ)
Sulfate	LBS/DAY	37,113/-	1/Discharge	Composite	2.2	--
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Composite	60.8	--

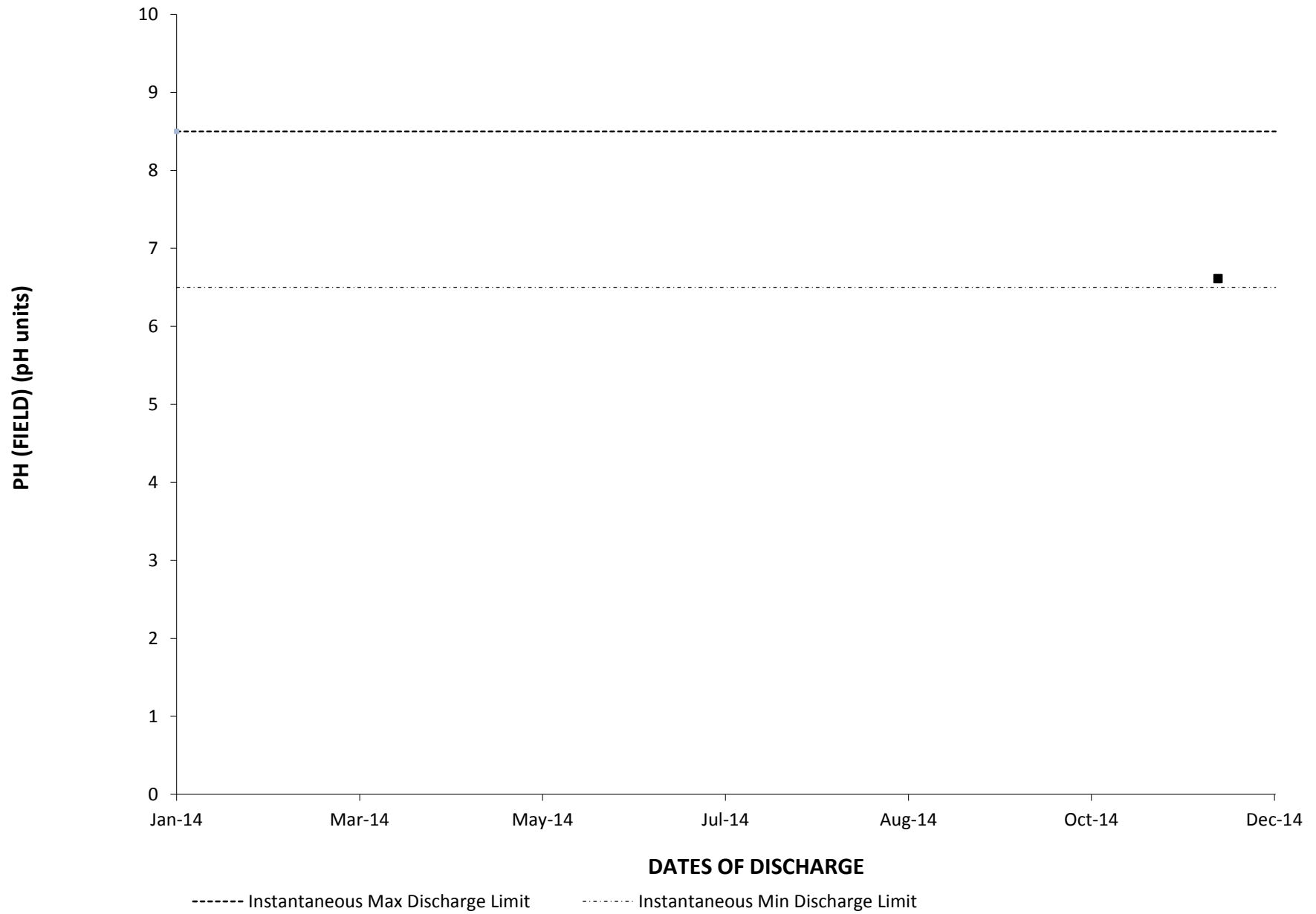
ANALYTICAL RESULT CHARTS

CONVENTIONAL POLLUTANTS

2014: OUTFALL 008 OIL AND GREASE DAILY VALUE

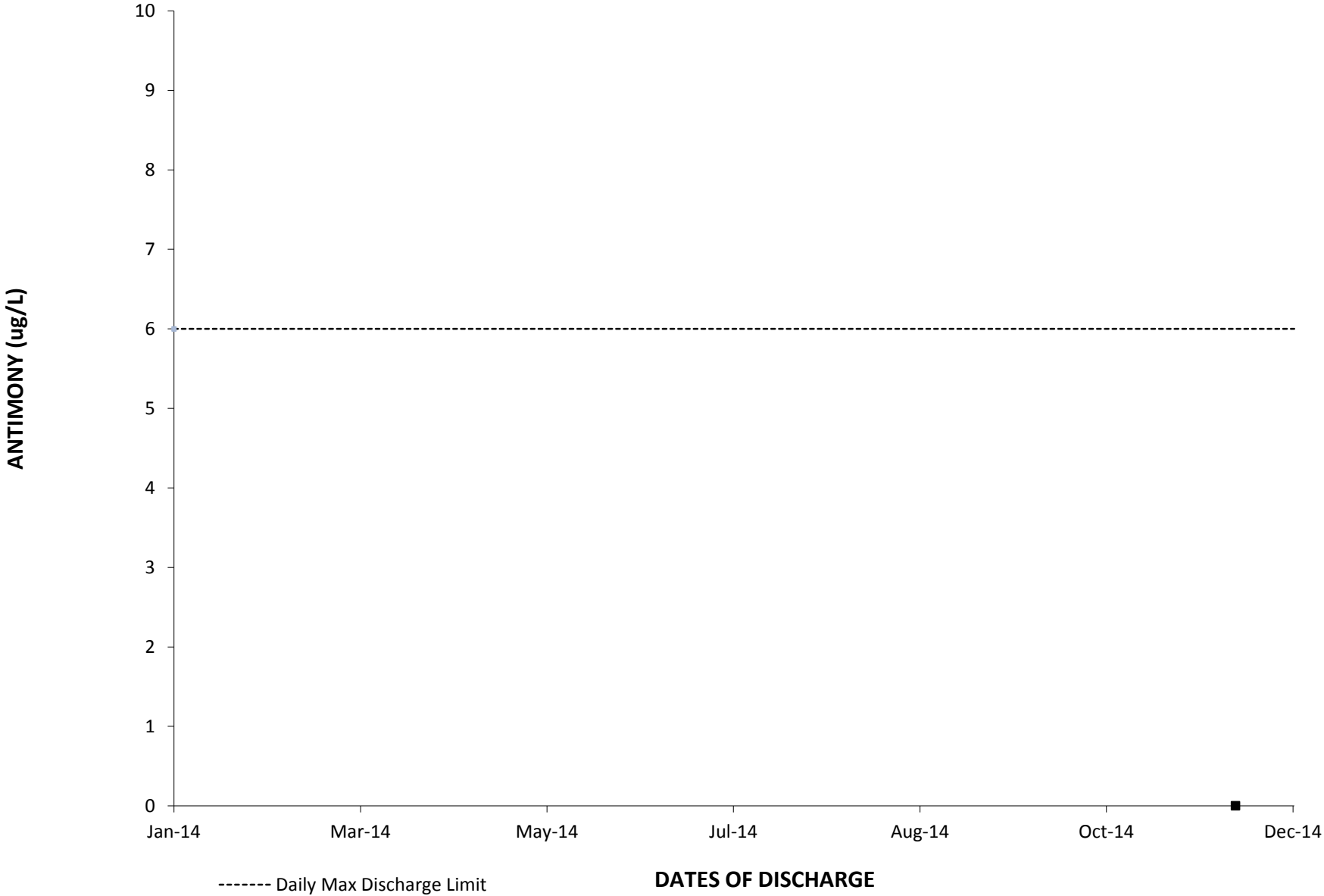


2014: OUTFALL 008 PH (FIELD) DAILY VALUE

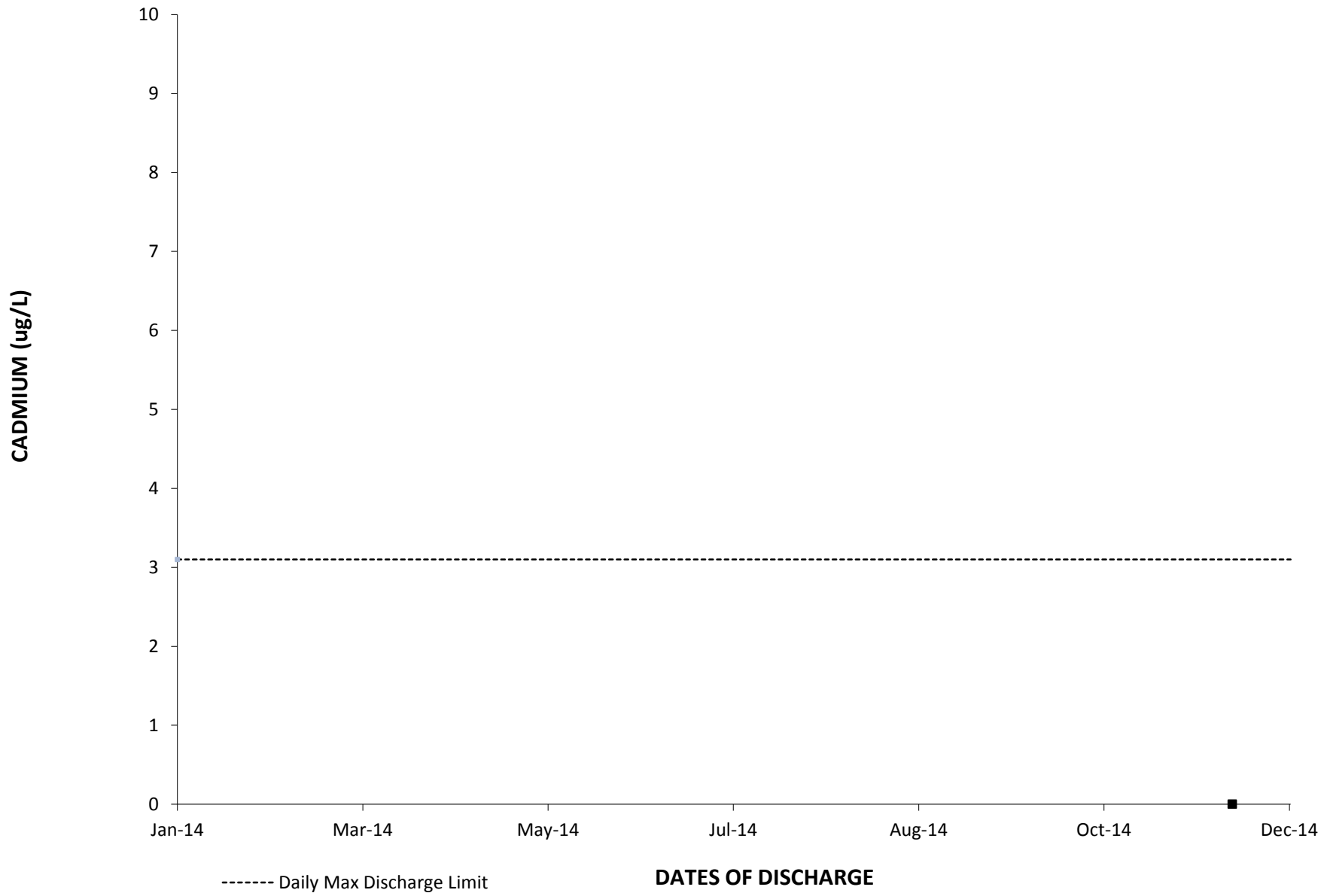


PRIORITY POLLUTANTS

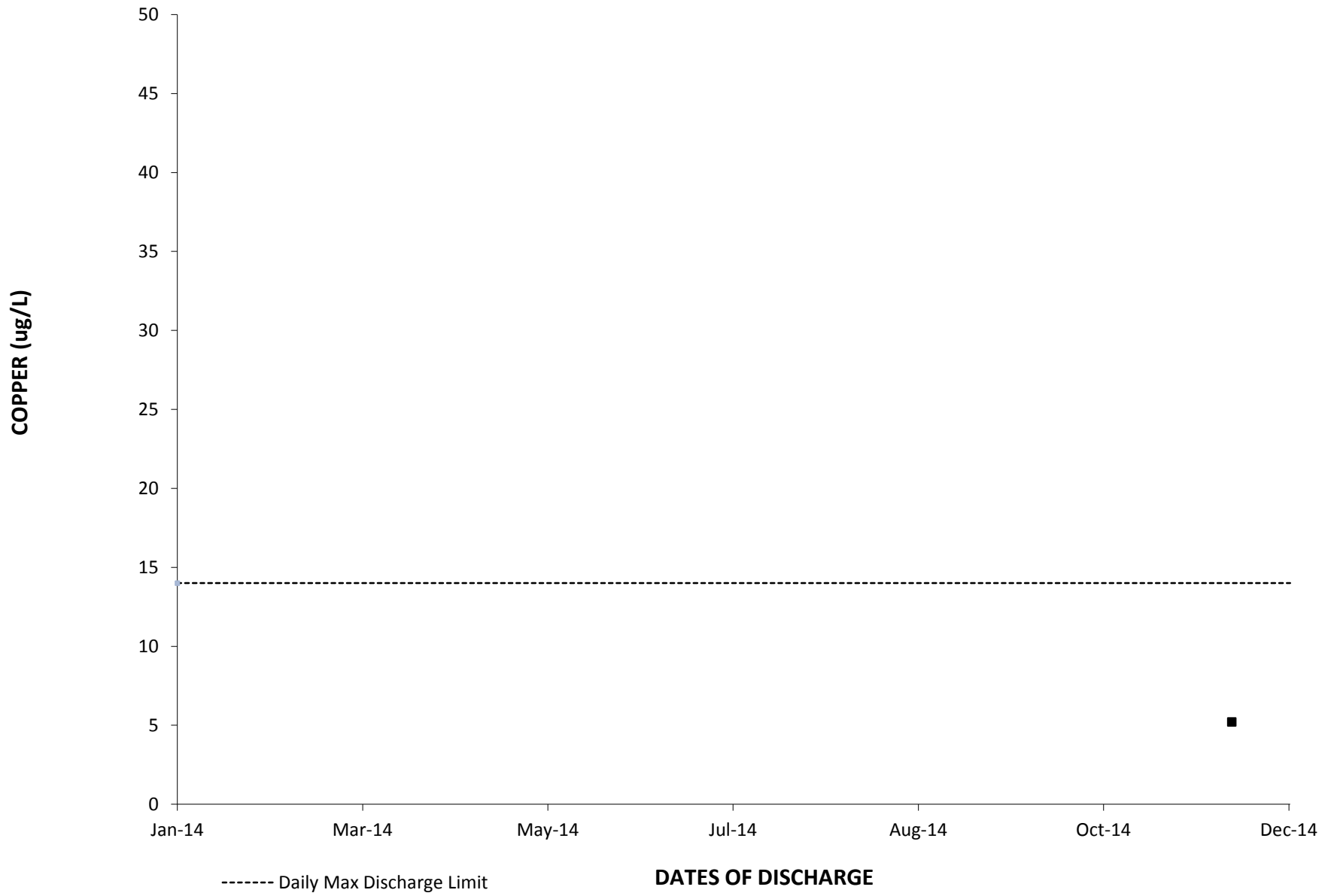
2014: OUTFALL 008 ANTIMONY DAILY VALUE



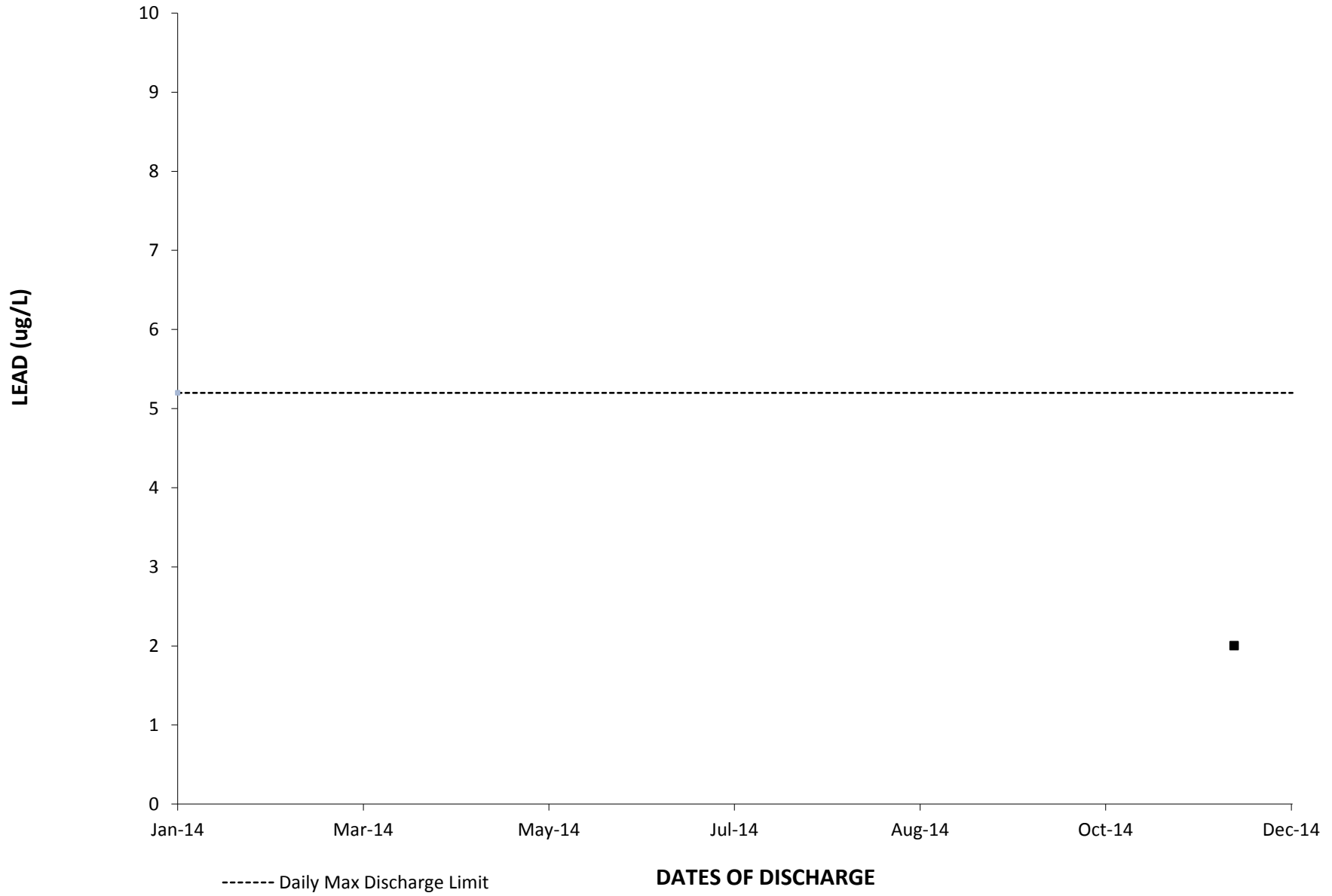
2014: OUTFALL 008 CADMIUM DAILY VALUE



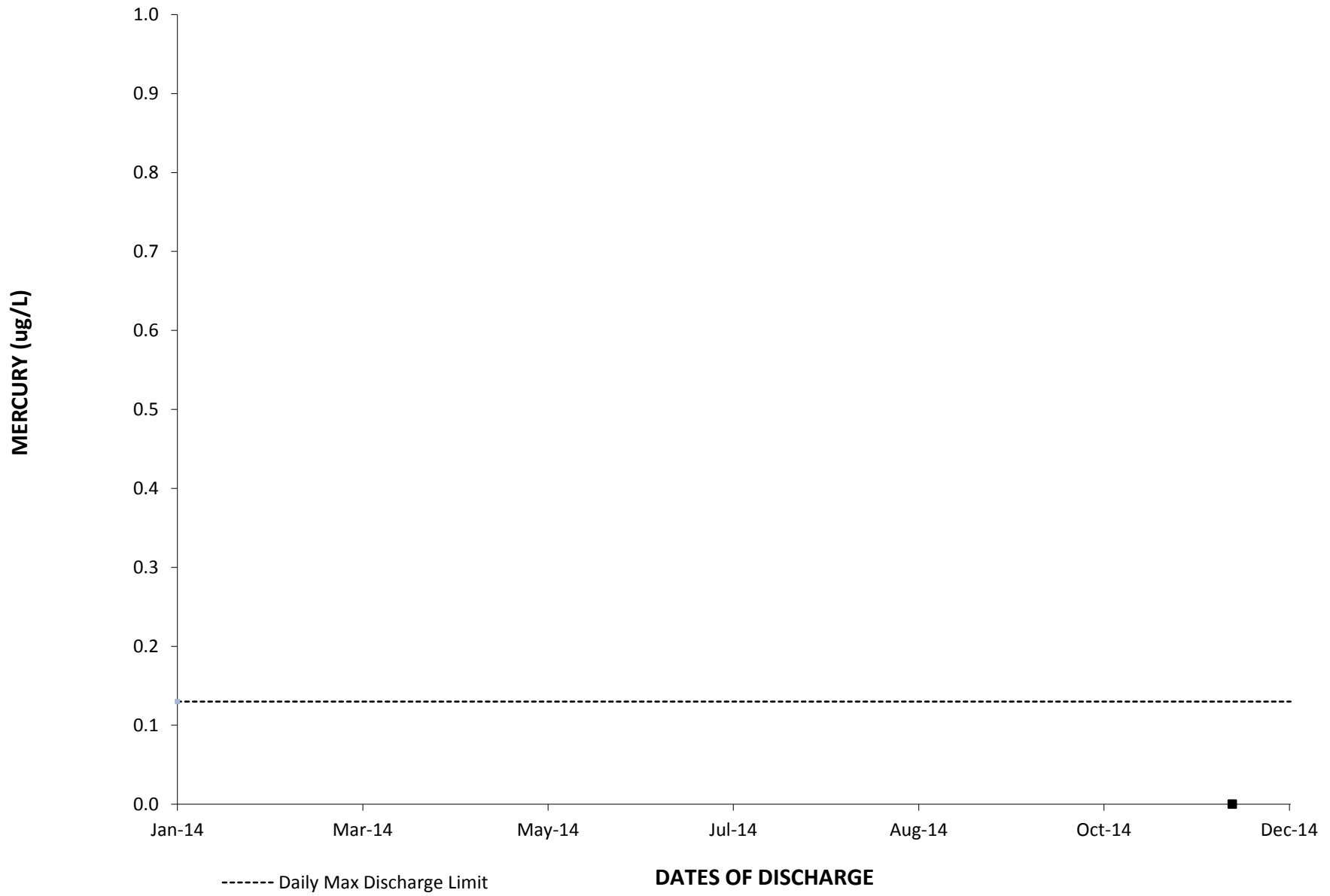
2014: OUTFALL 008 COPPER DAILY VALUE



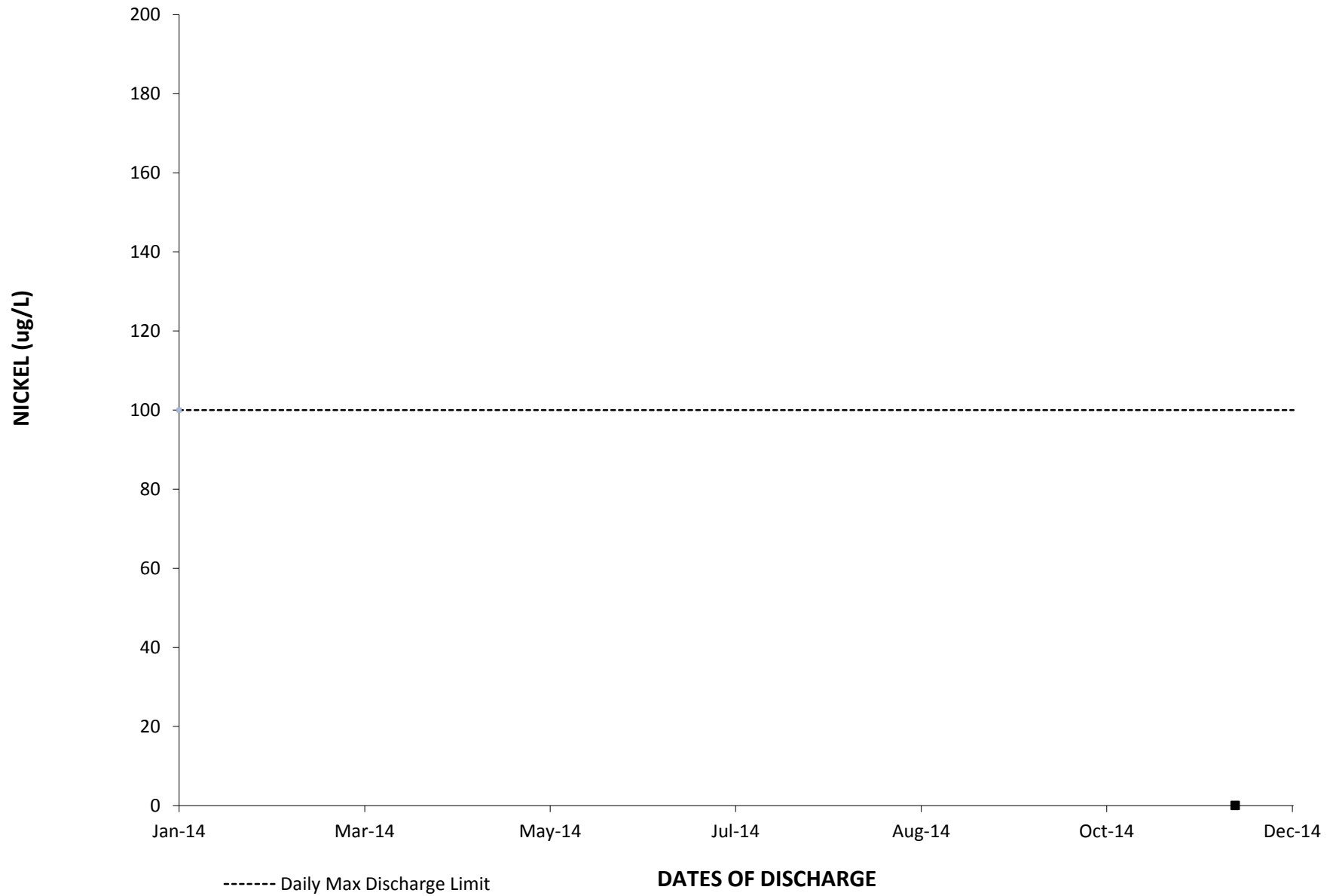
2014: OUTFALL 008 LEAD DAILY VALUE



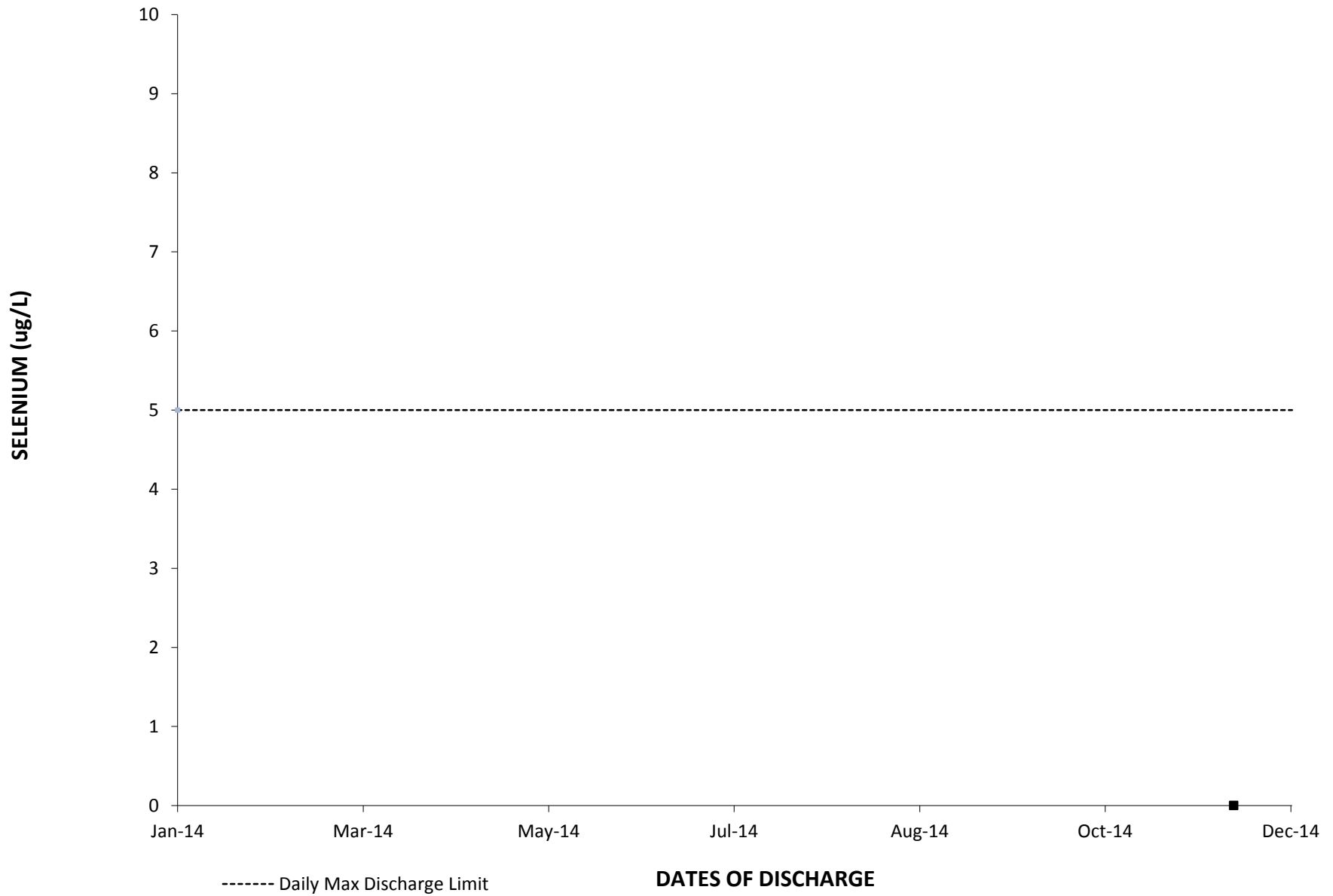
2014: OUTFALL 008 MERCURY DAILY VALUE



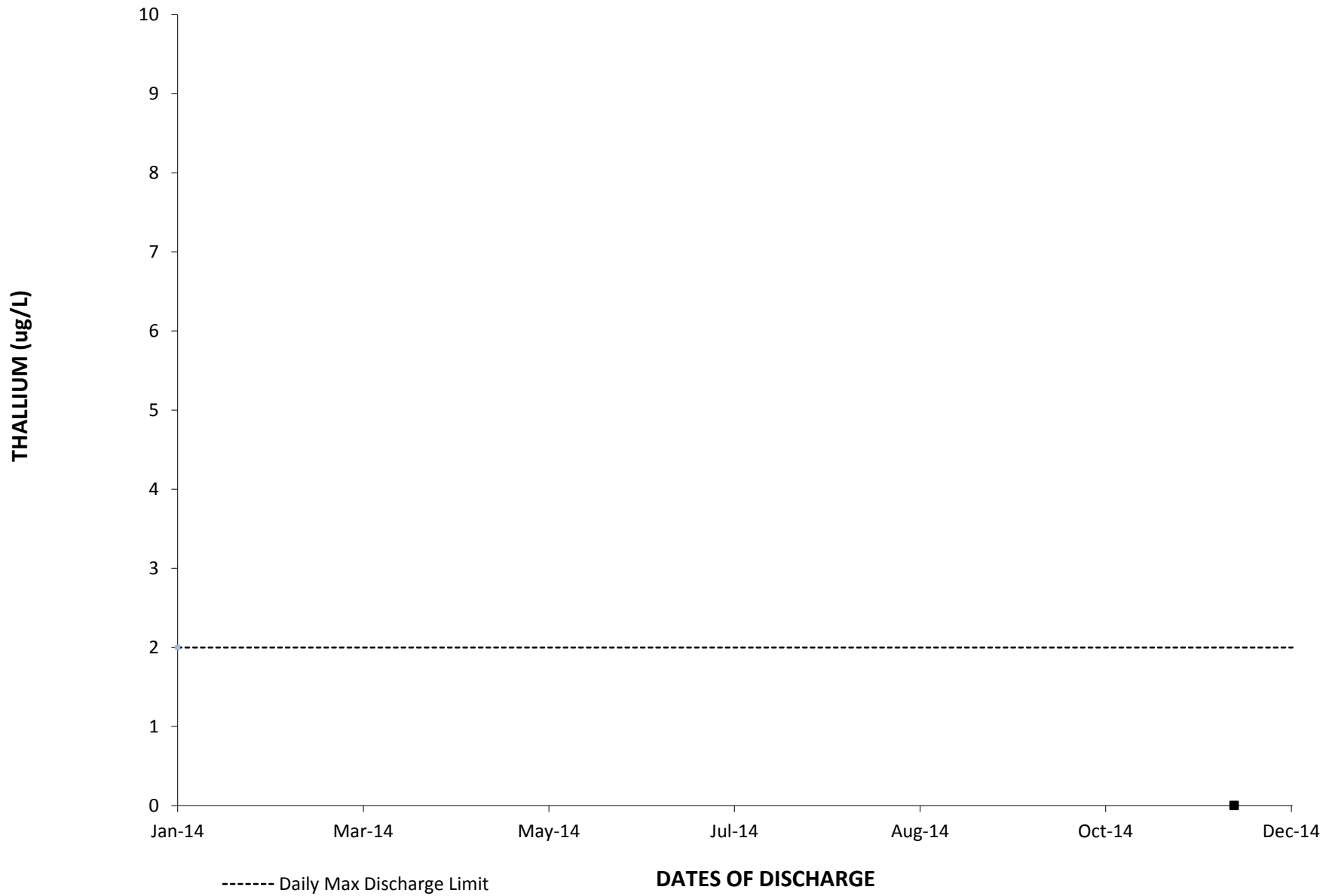
2014: OUTFALL 008 NICKEL DAILY VALUE



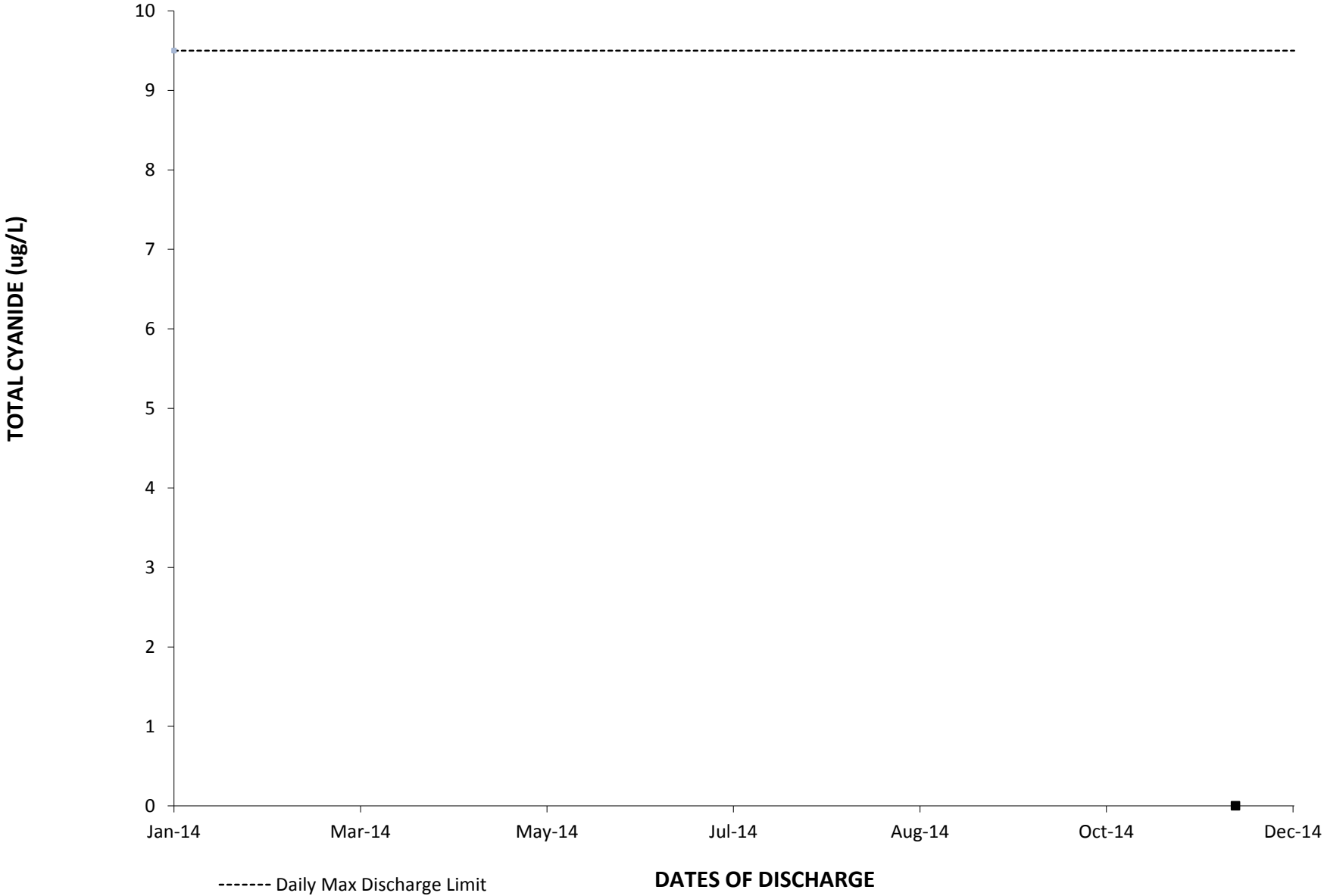
2014: OUTFALL 008 SELENIUM DAILY VALUE



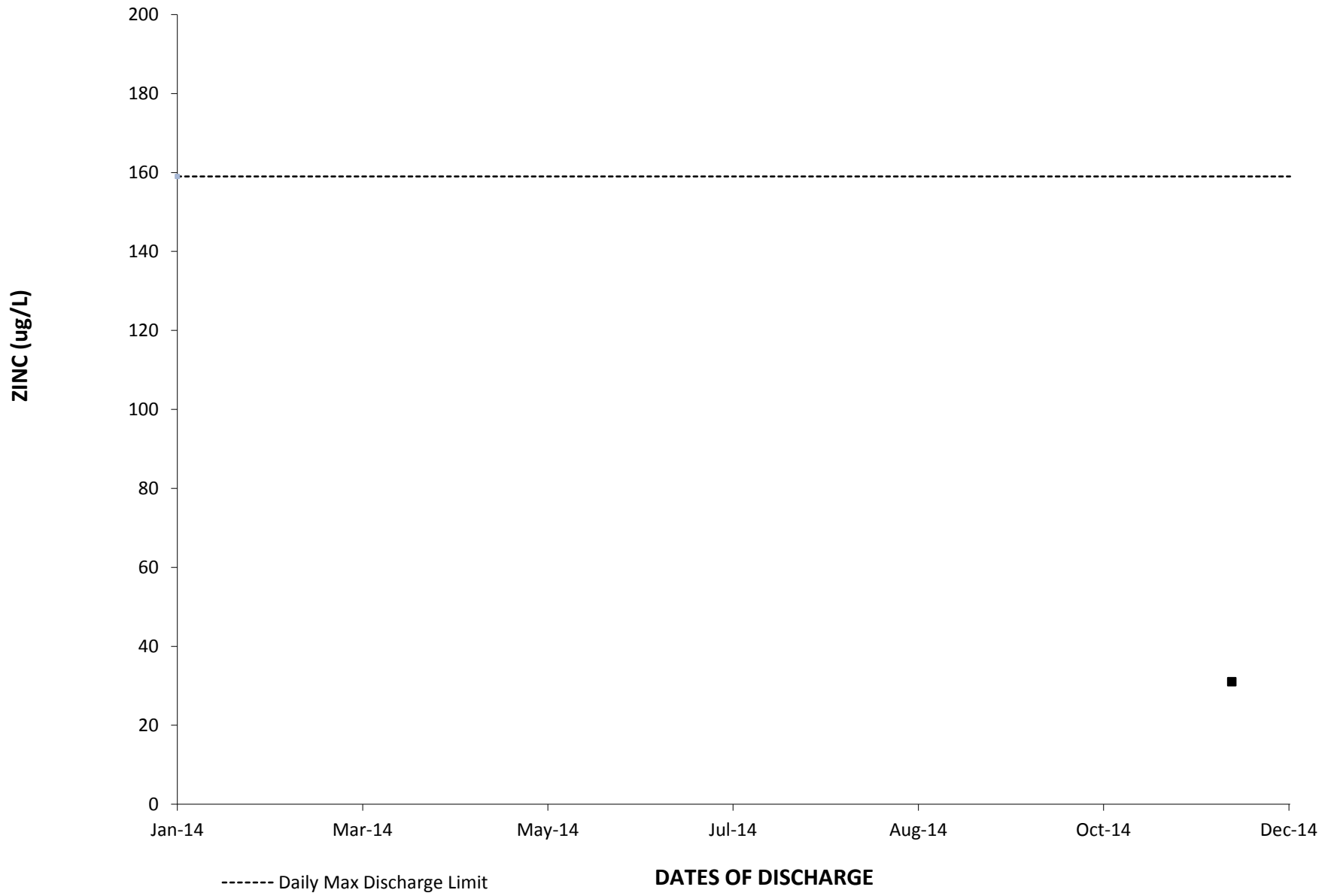
2014: OUTFALL 008 THALLIUM DAILY VALUE



2014: OUTFALL 008 TOTAL CYANIDE DAILY VALUE

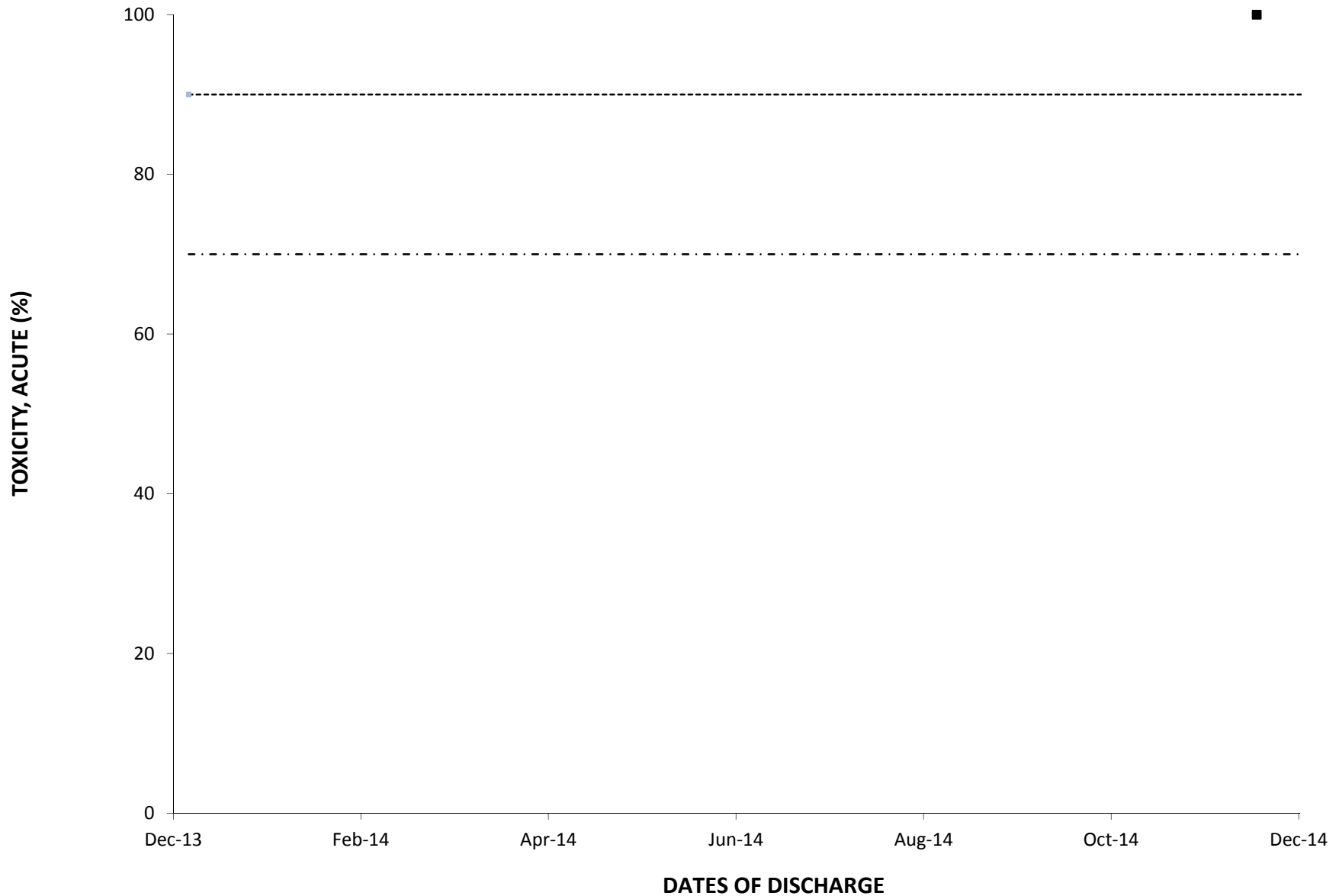


2014: OUTFALL 008 ZINC DAILY VALUE



NON-CONVENTIONAL POLLUTANTS

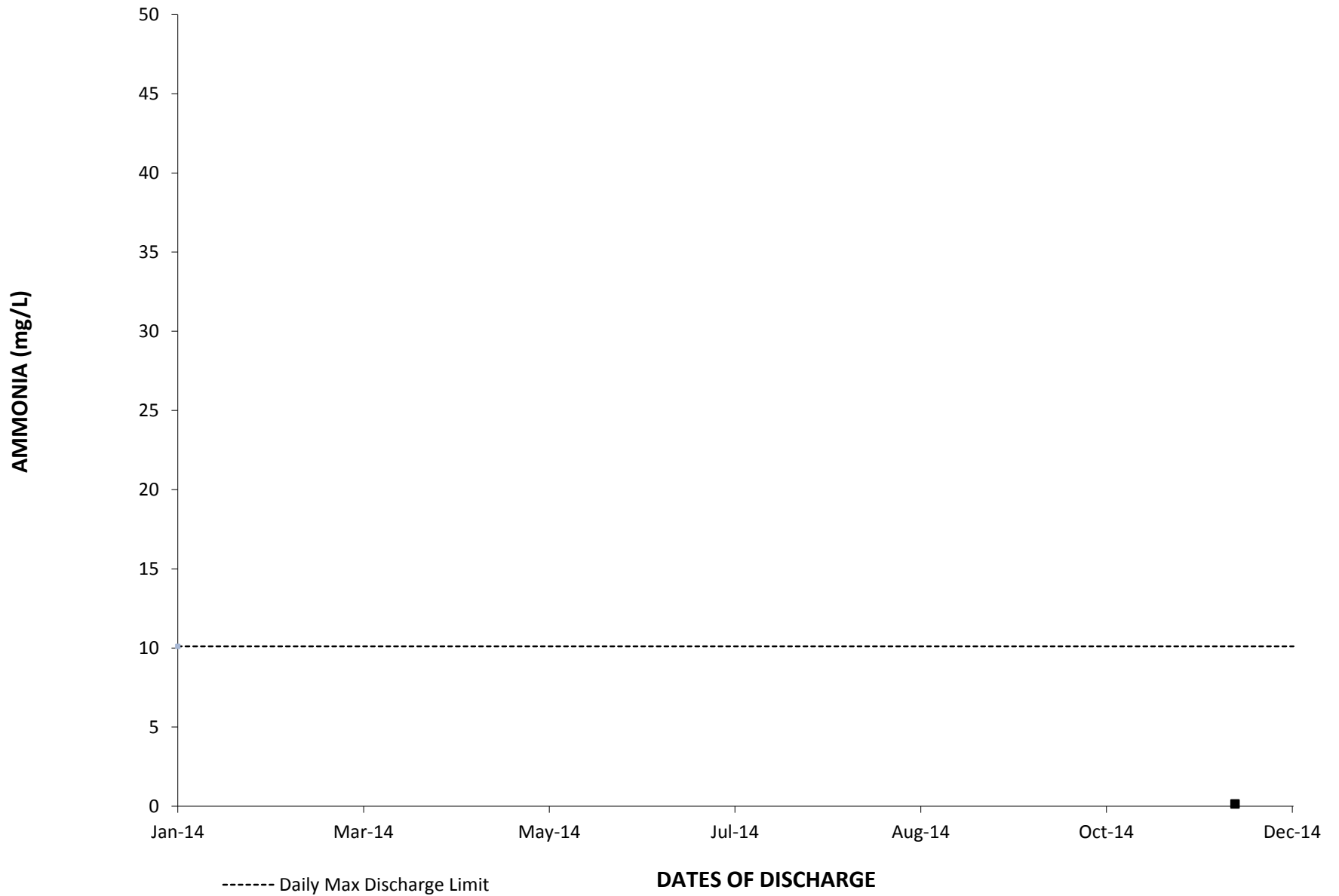
2014: OUTFALL 008 TOXICITY, ACUTE DAILY VALUE



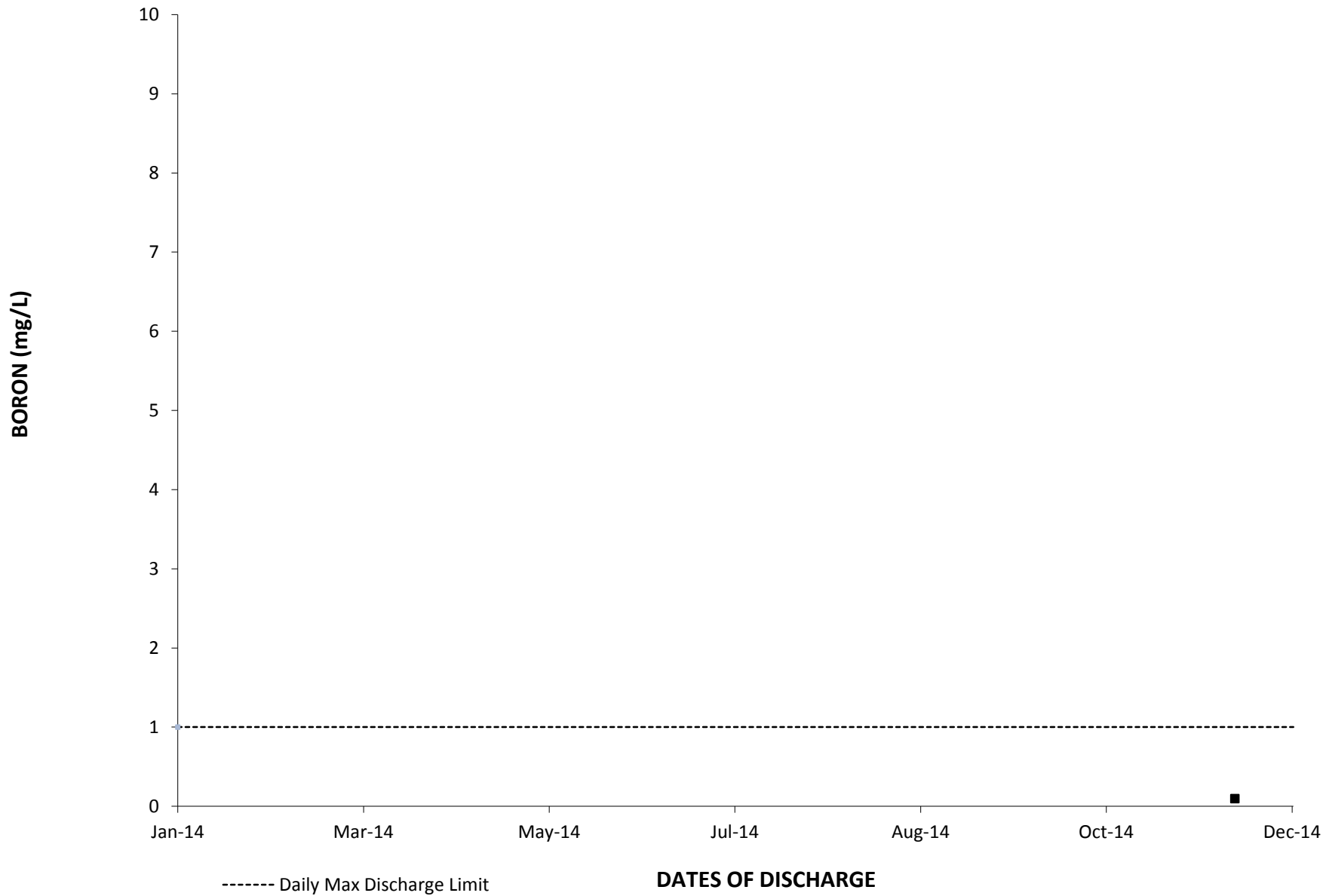
----- Average Survival Rate - · - · - Minimal Survival Rate

The acute toxicity for all of the effluent discharges shall be such that: (i) the average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and (ii) no single test producing less than 70 % survival.

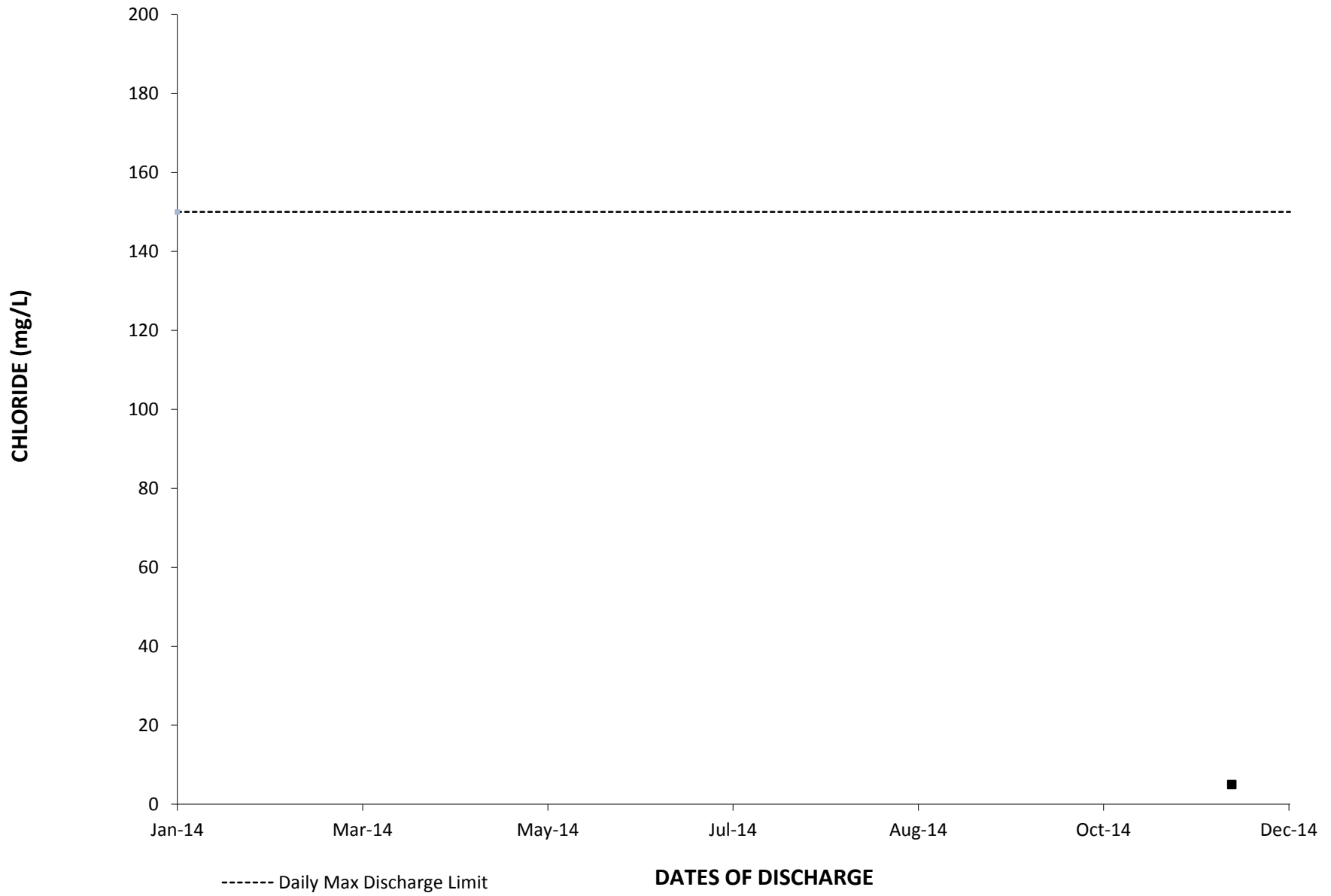
2014: OUTFALL 008 AMMONIA DAILY VALUE



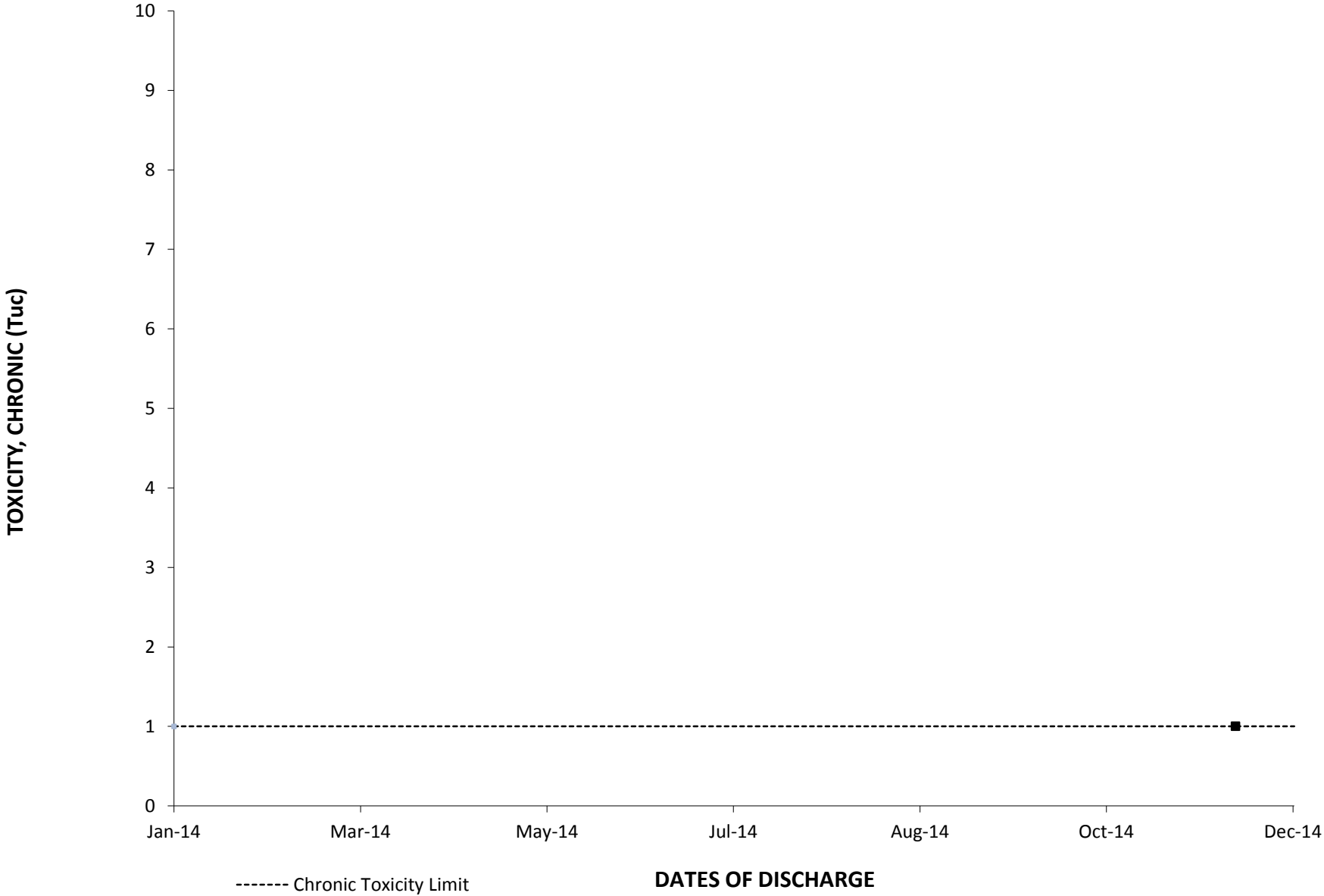
2014: OUTFALL 008 BORON DAILY VALUE



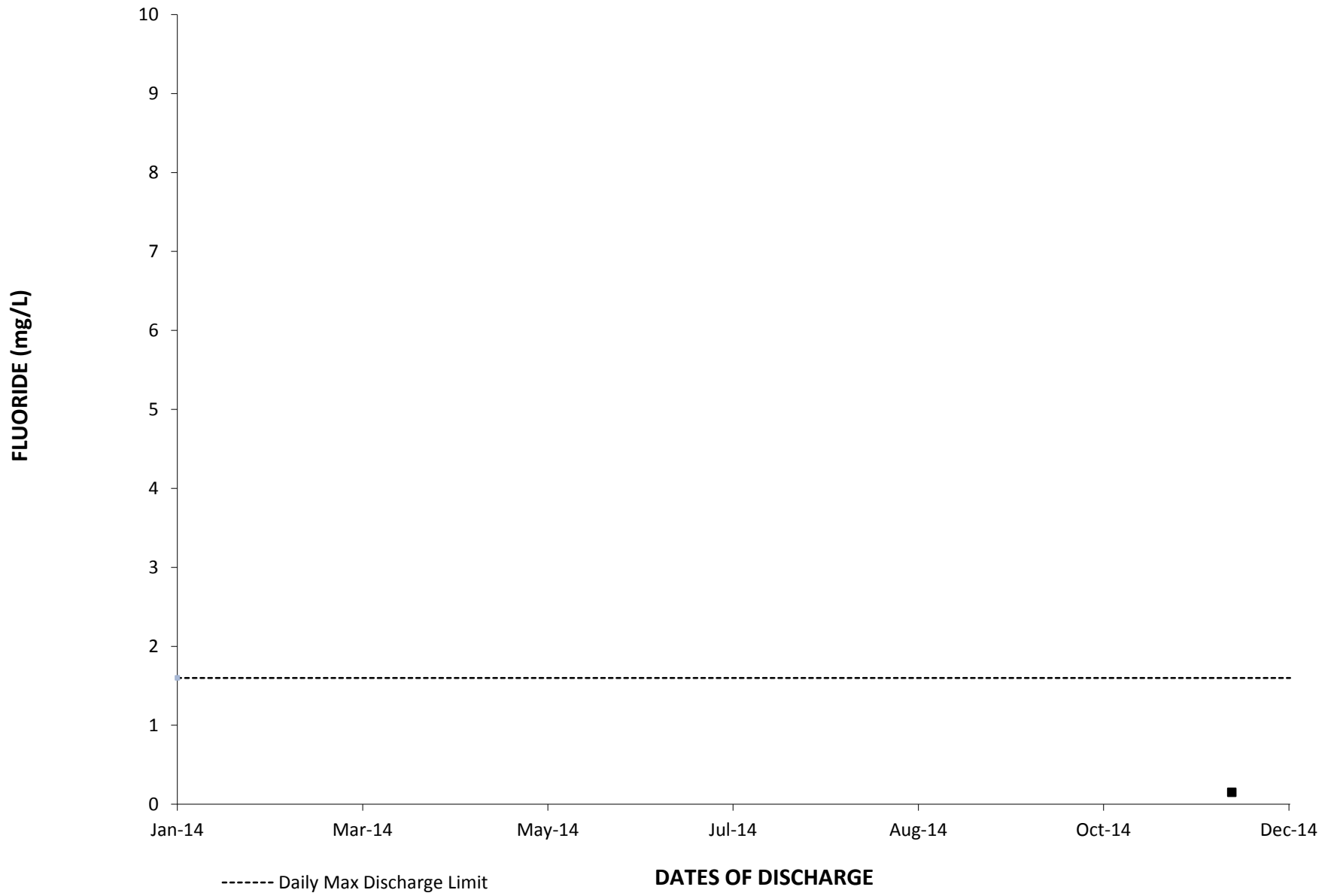
2014: OUTFALL 008 CHLORIDE DAILY VALUE



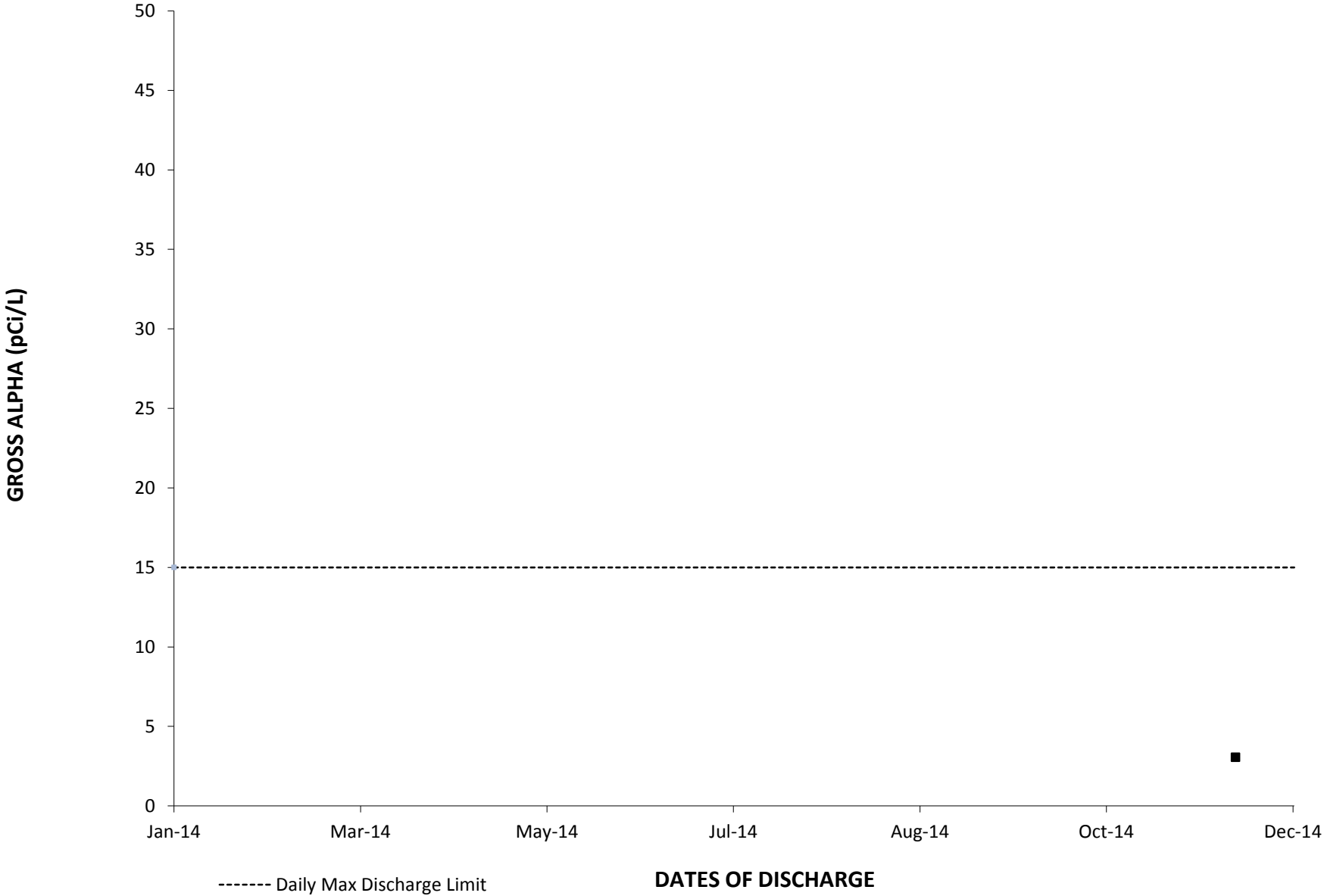
2014: OUTFALL 008 TOXICITY, CHRONIC DAILY VALUE



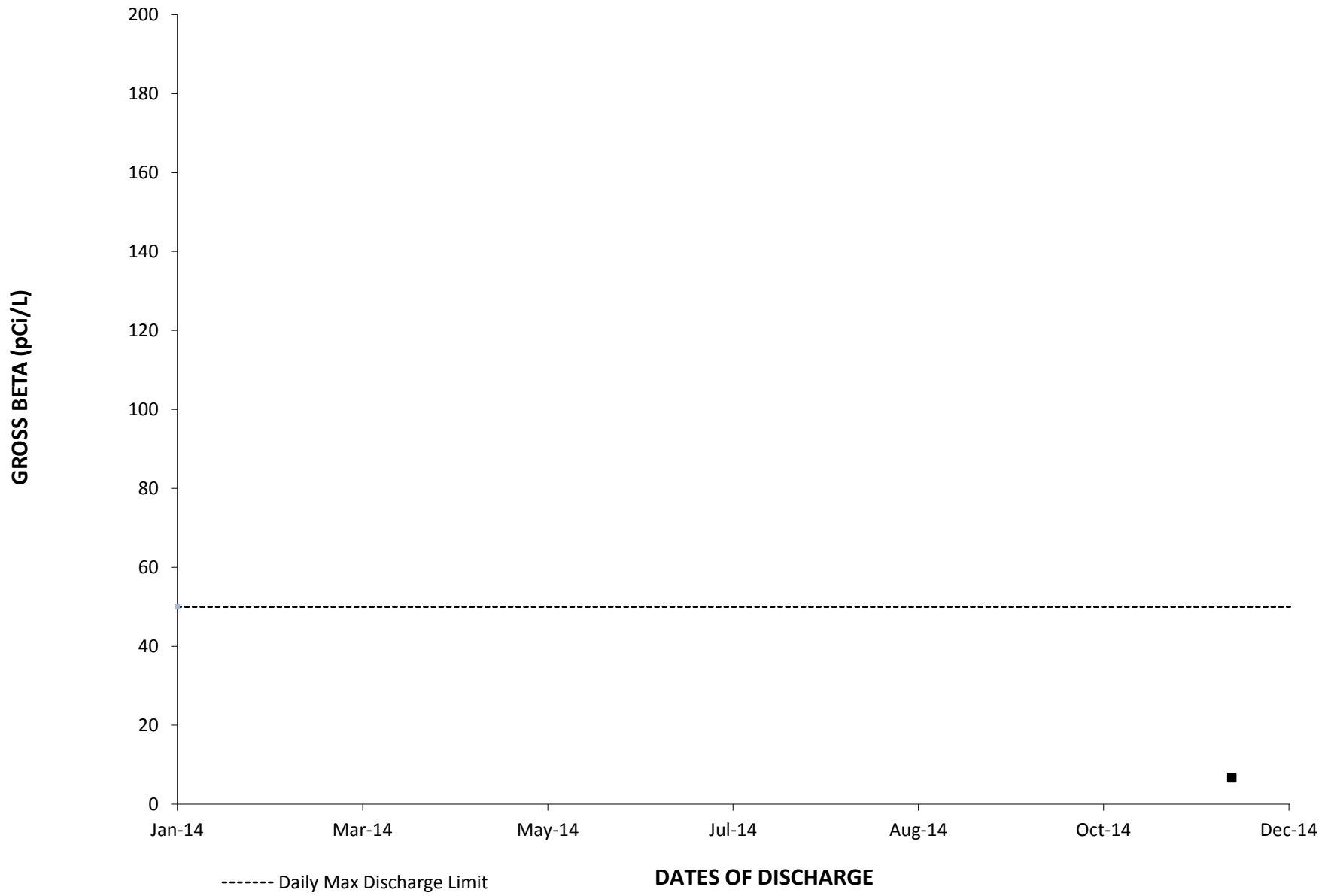
2014: OUTFALL 008 FLUORIDE DAILY VALUE



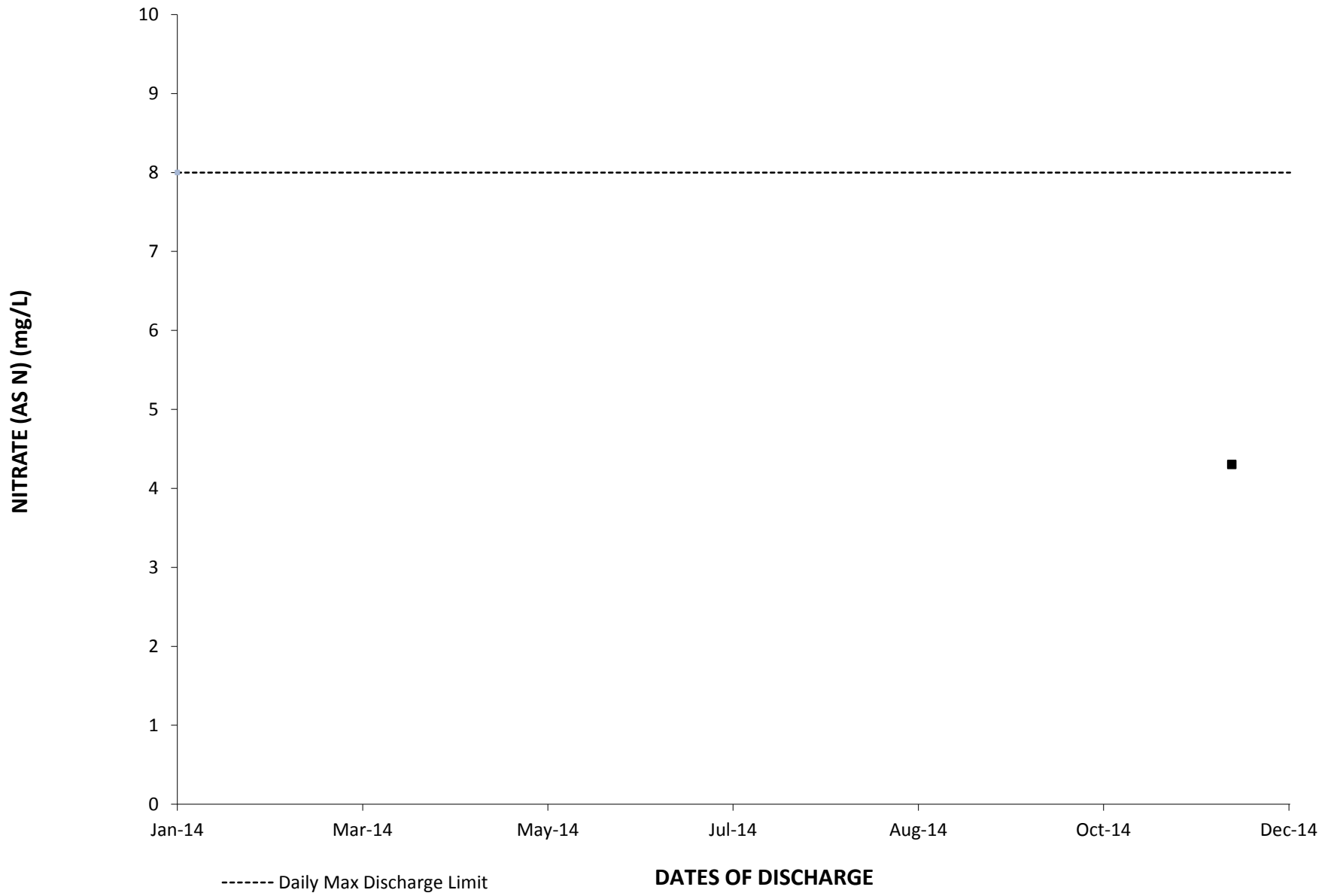
2014: OUTFALL 008 GROSS ALPHA DAILY VALUE



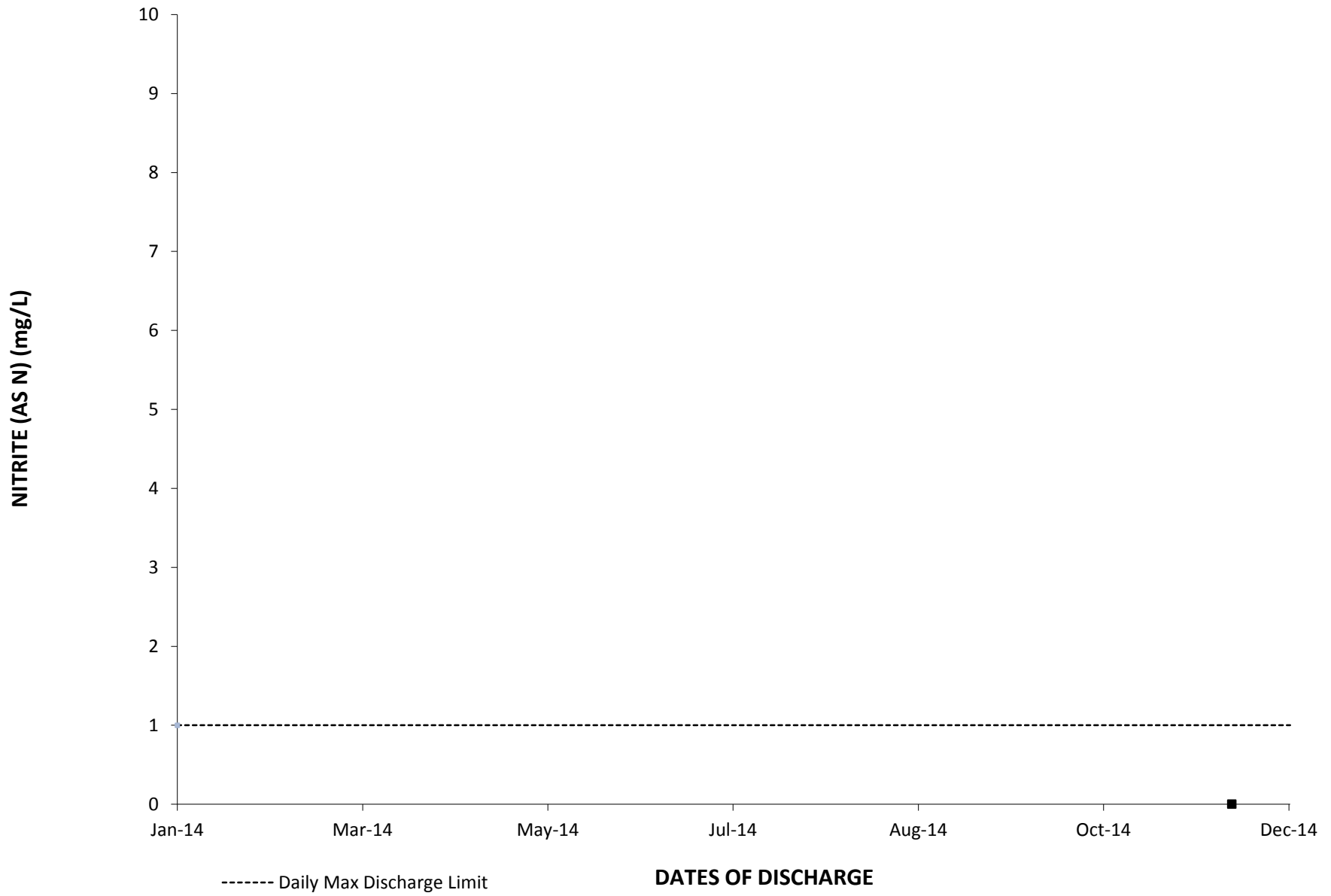
2014: OUTFALL 008 GROSS BETA DAILY VALUE



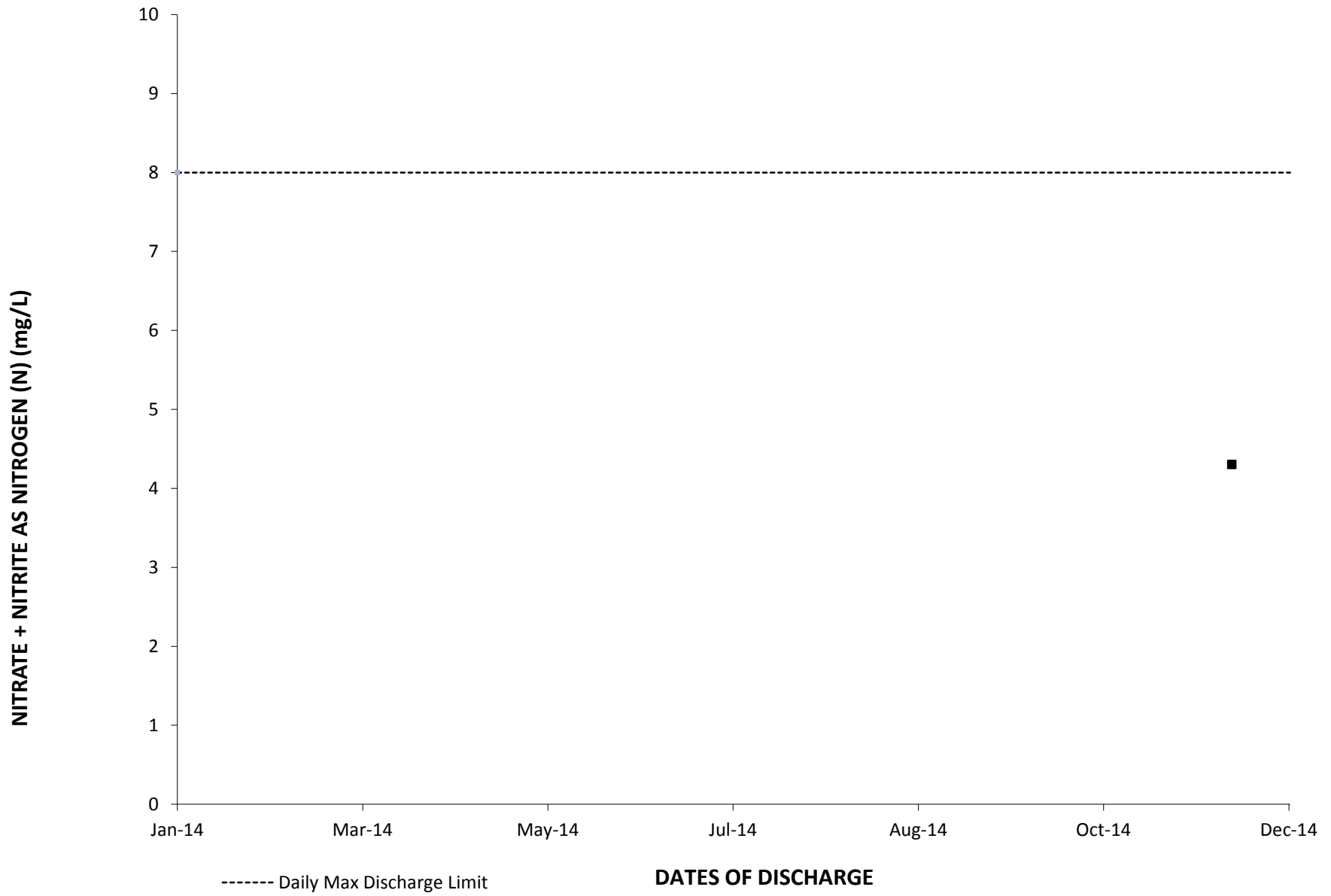
2014: OUTFALL 008 NITRATE (AS N) DAILY VALUE



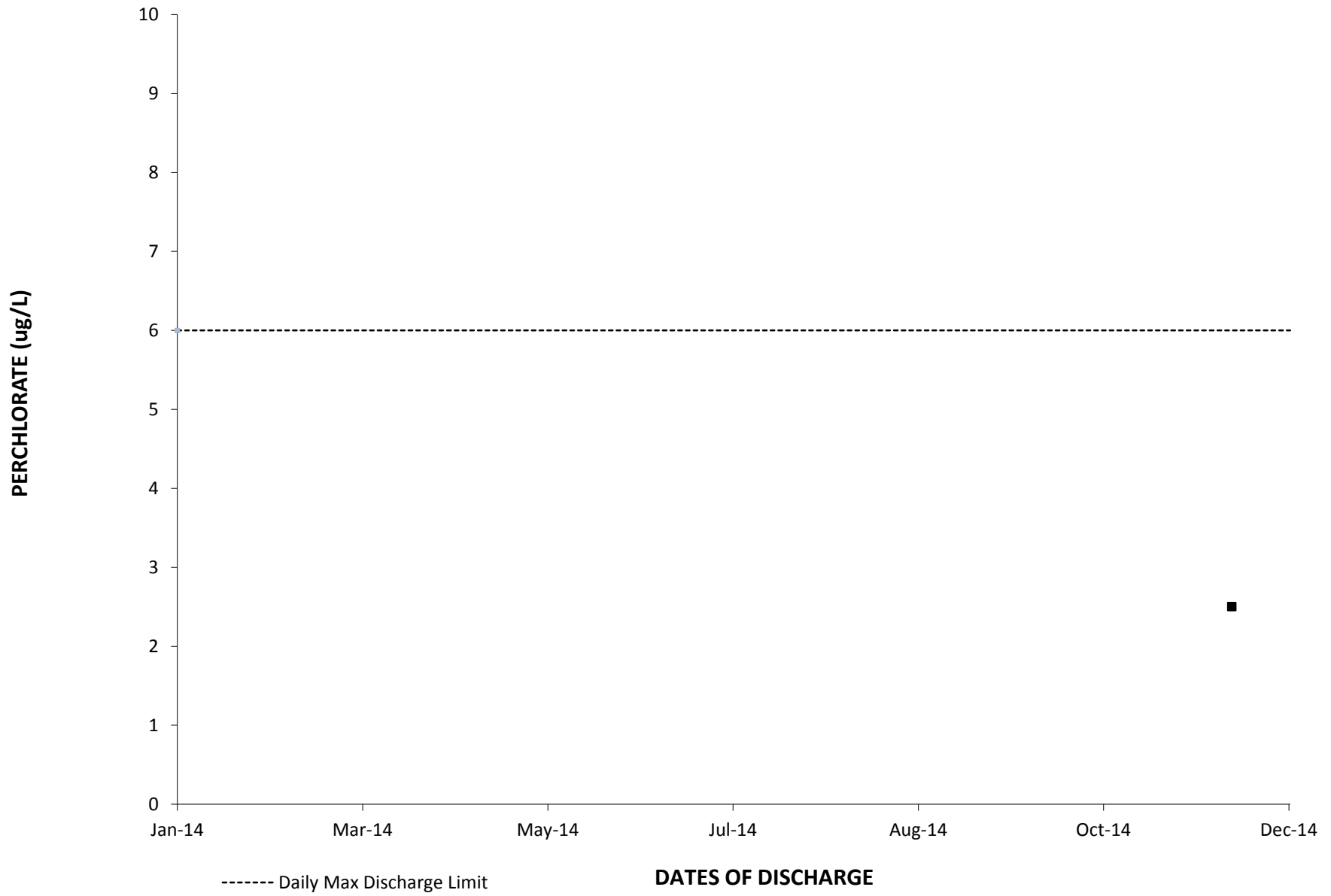
2014: OUTFALL 008 NITRITE (AS N) DAILY VALUE



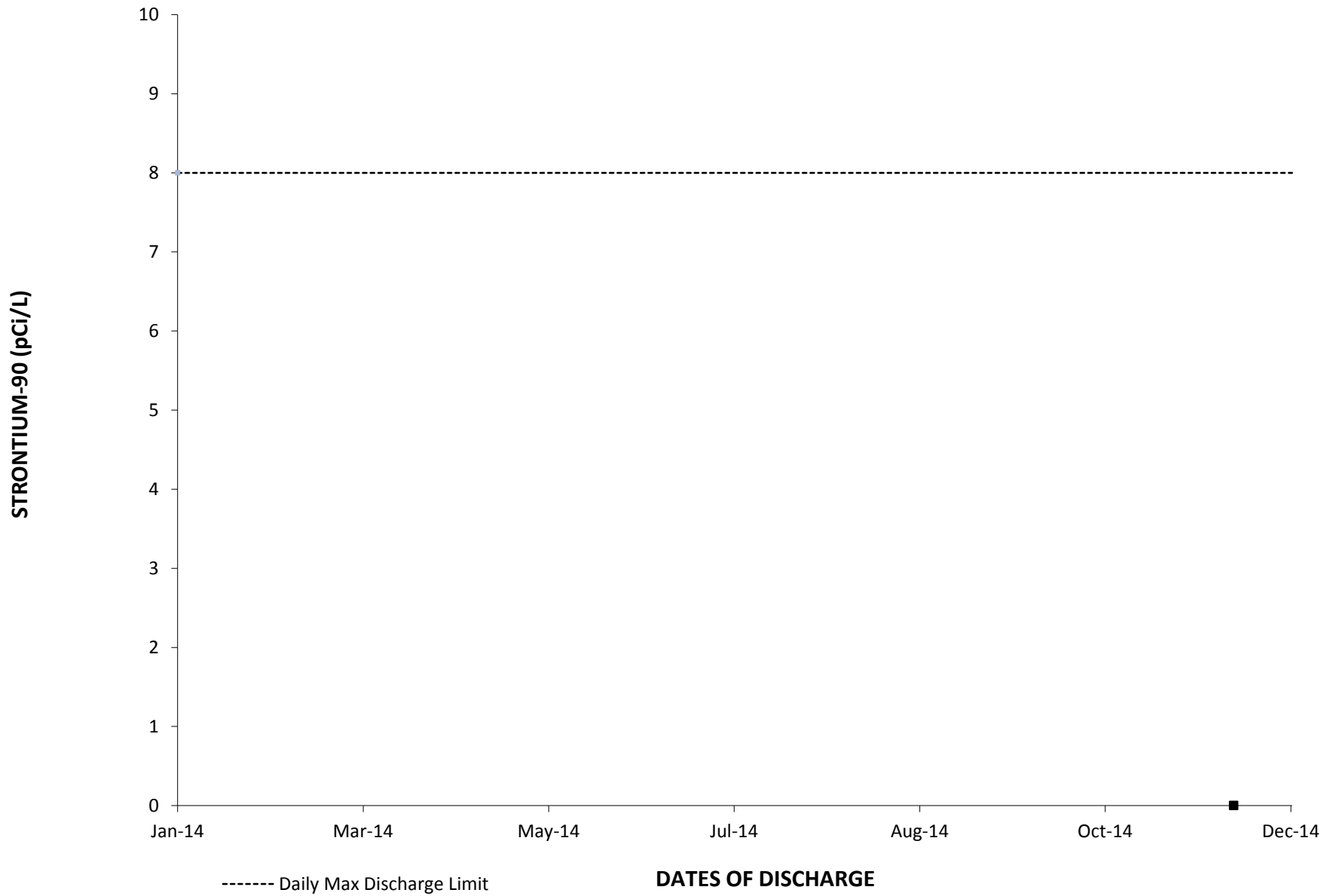
2014: OUTFALL 008 NITRATE + NITRITE AS NITROGEN (N) DAILY VALUE



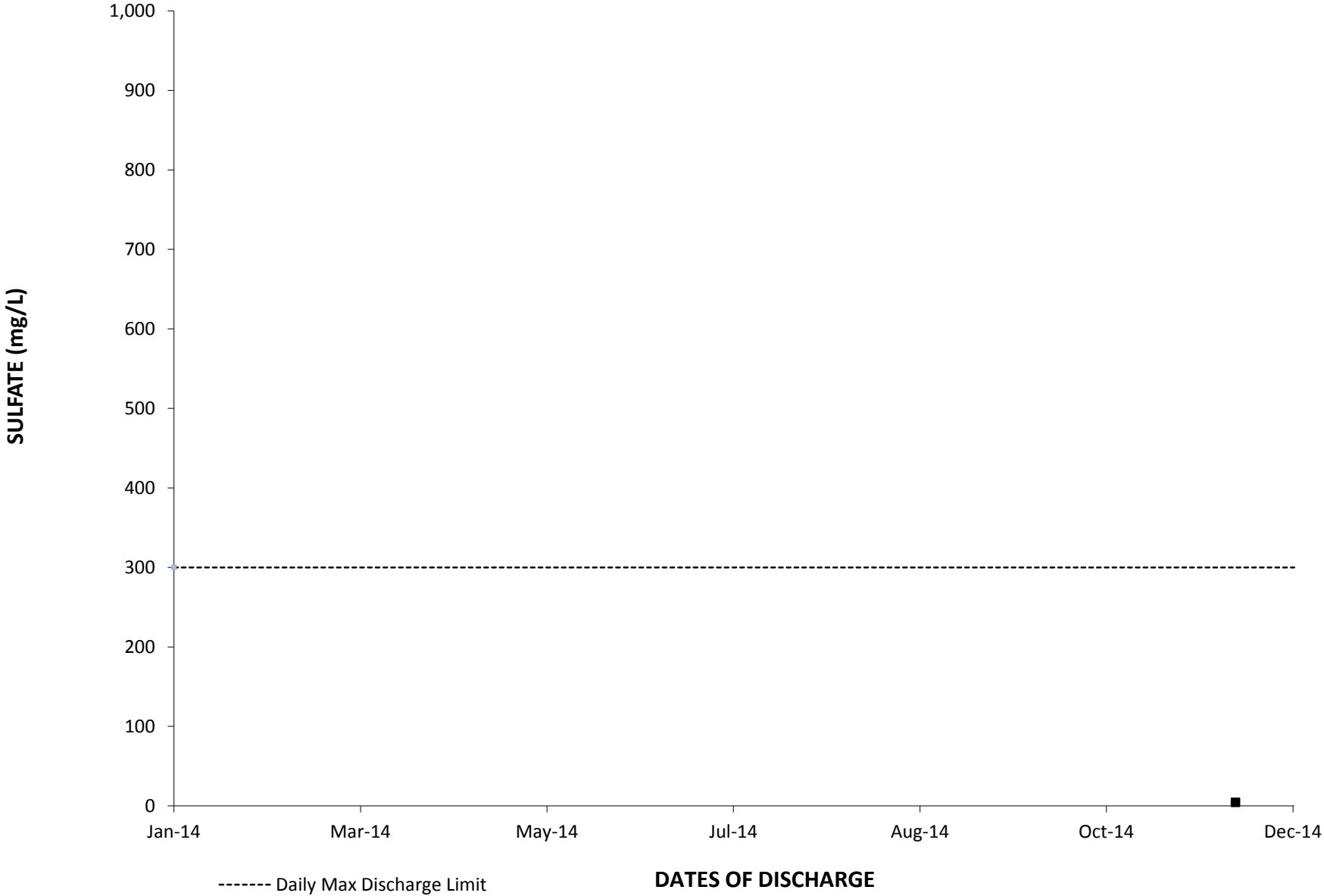
2014: OUTFALL 008 PERCHLORATE DAILY VALUE



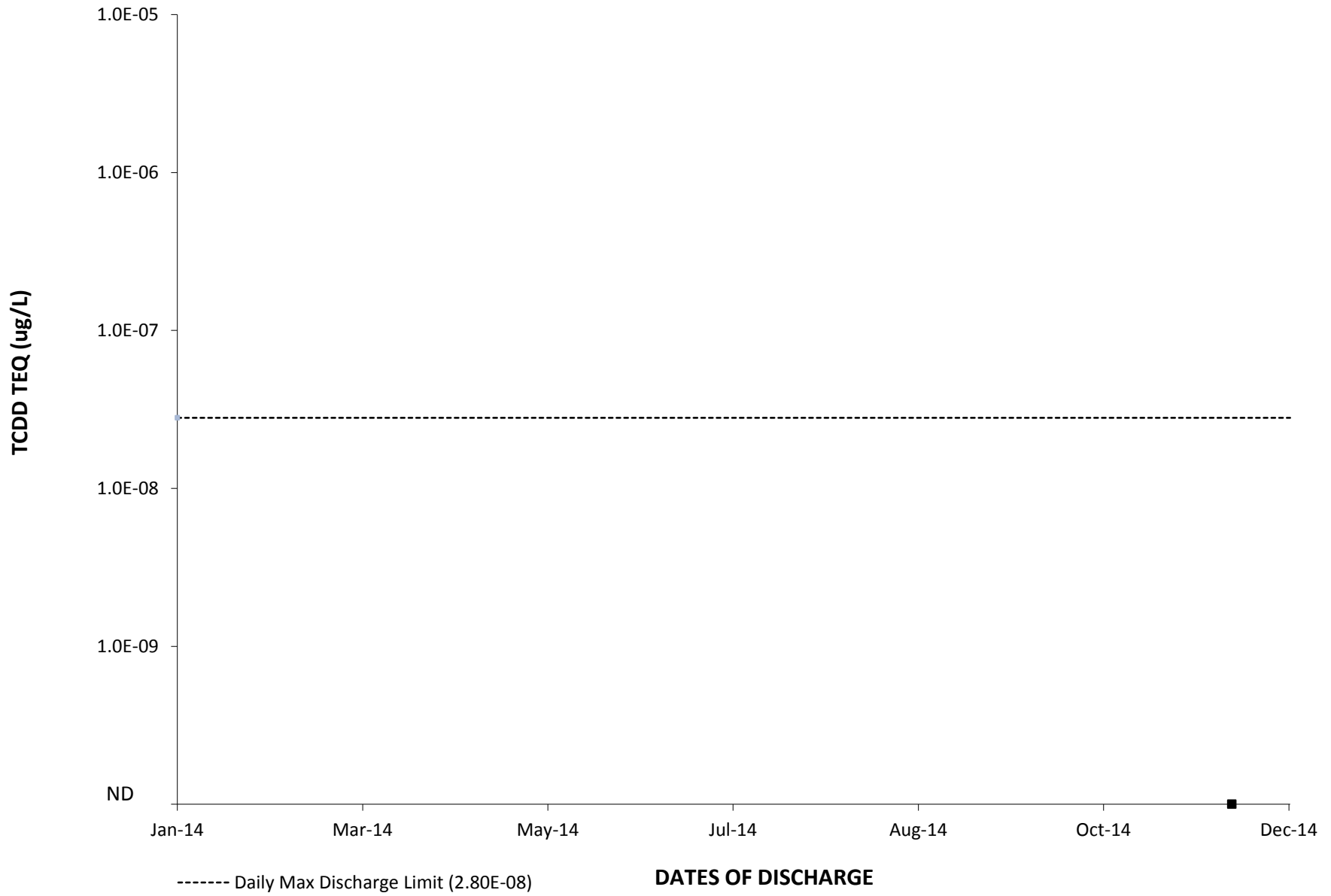
2014: OUTFALL 008 STRONTIUM-90 DAILY VALUE



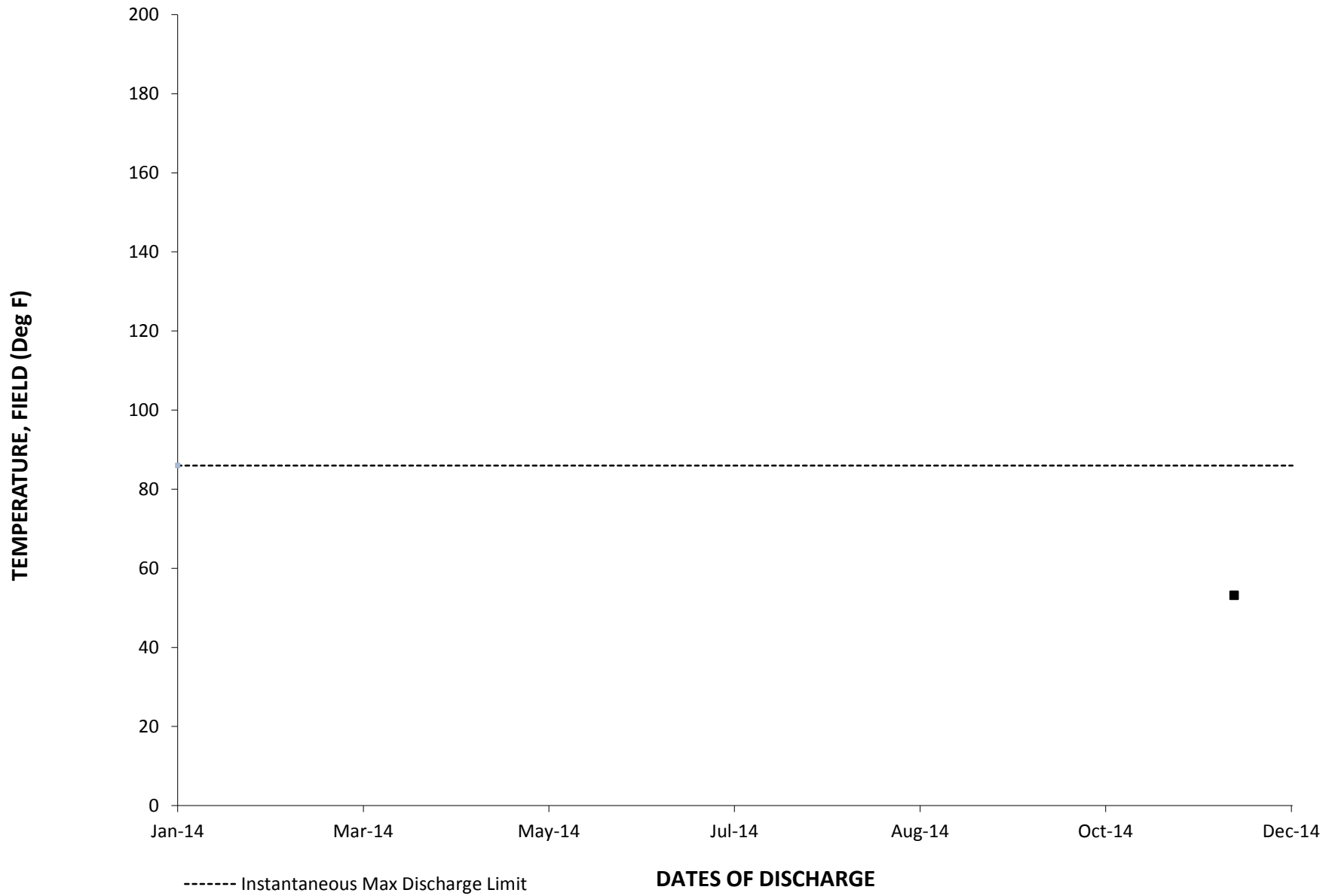
2014: OUTFALL 008 SULFATE DAILY VALUE



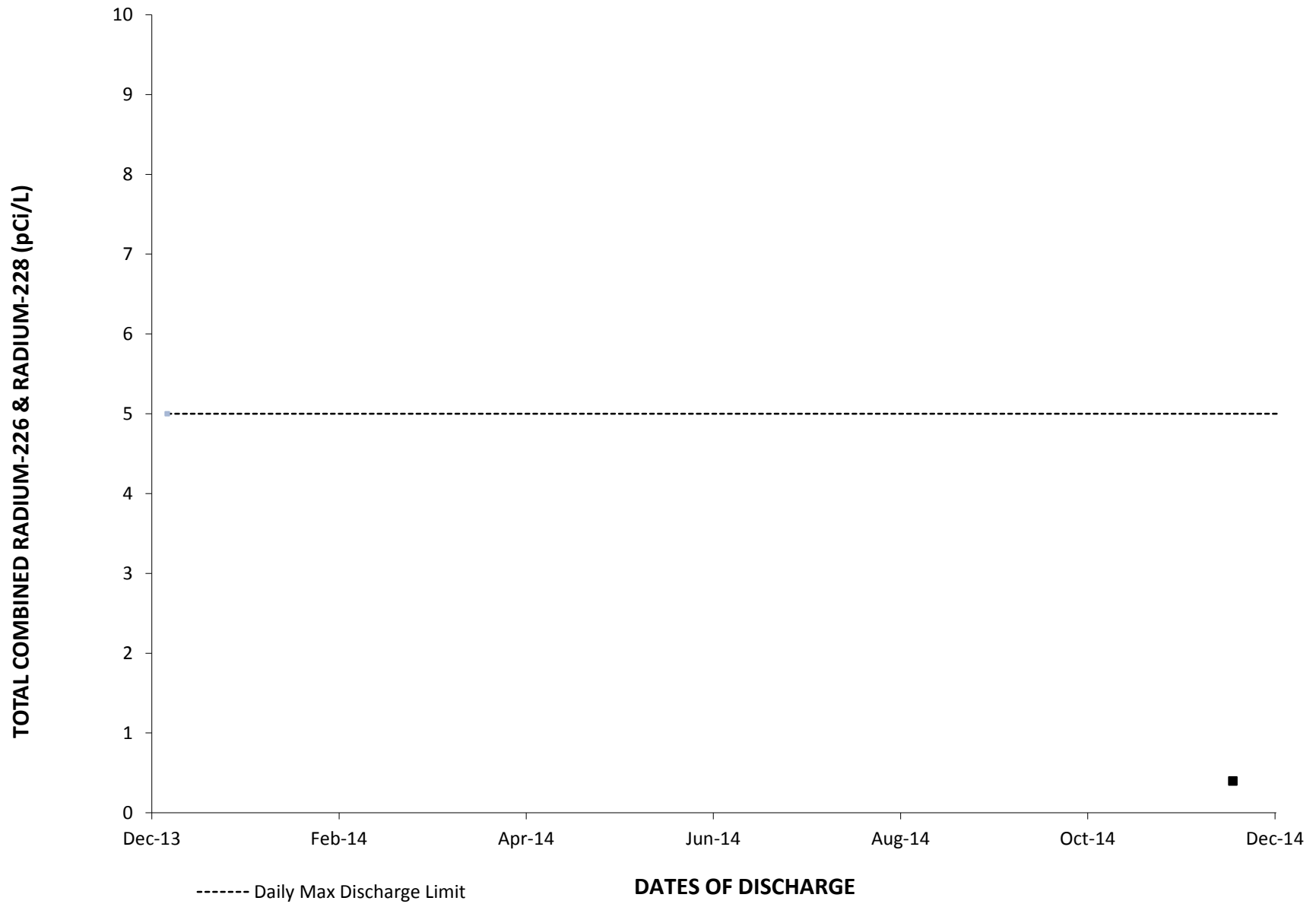
2014: OUTFALL 008 TCDD TEQ DAILY VALUE



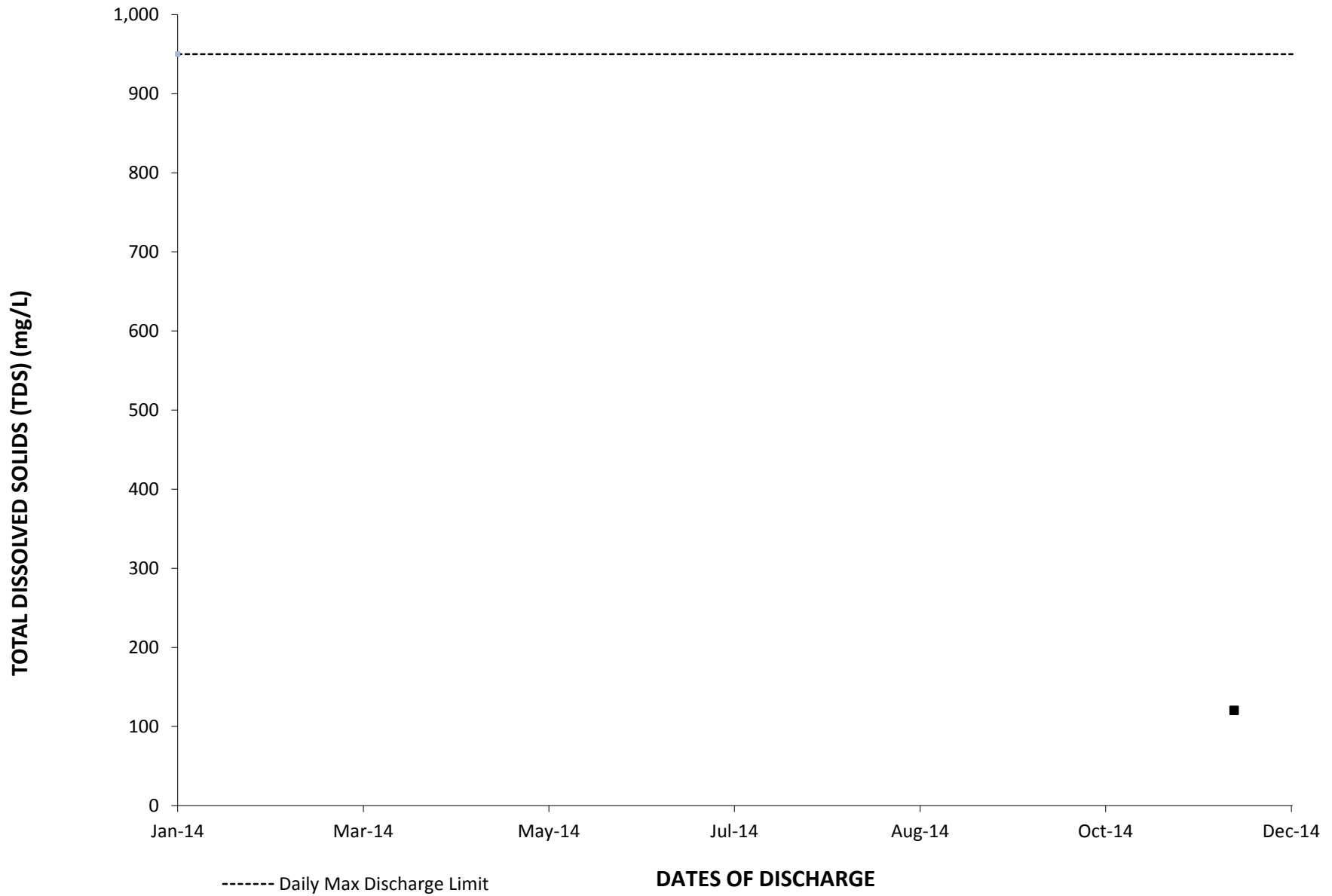
2014: OUTFALL 008 TEMPERATURE, FIELD DAILY VALUE



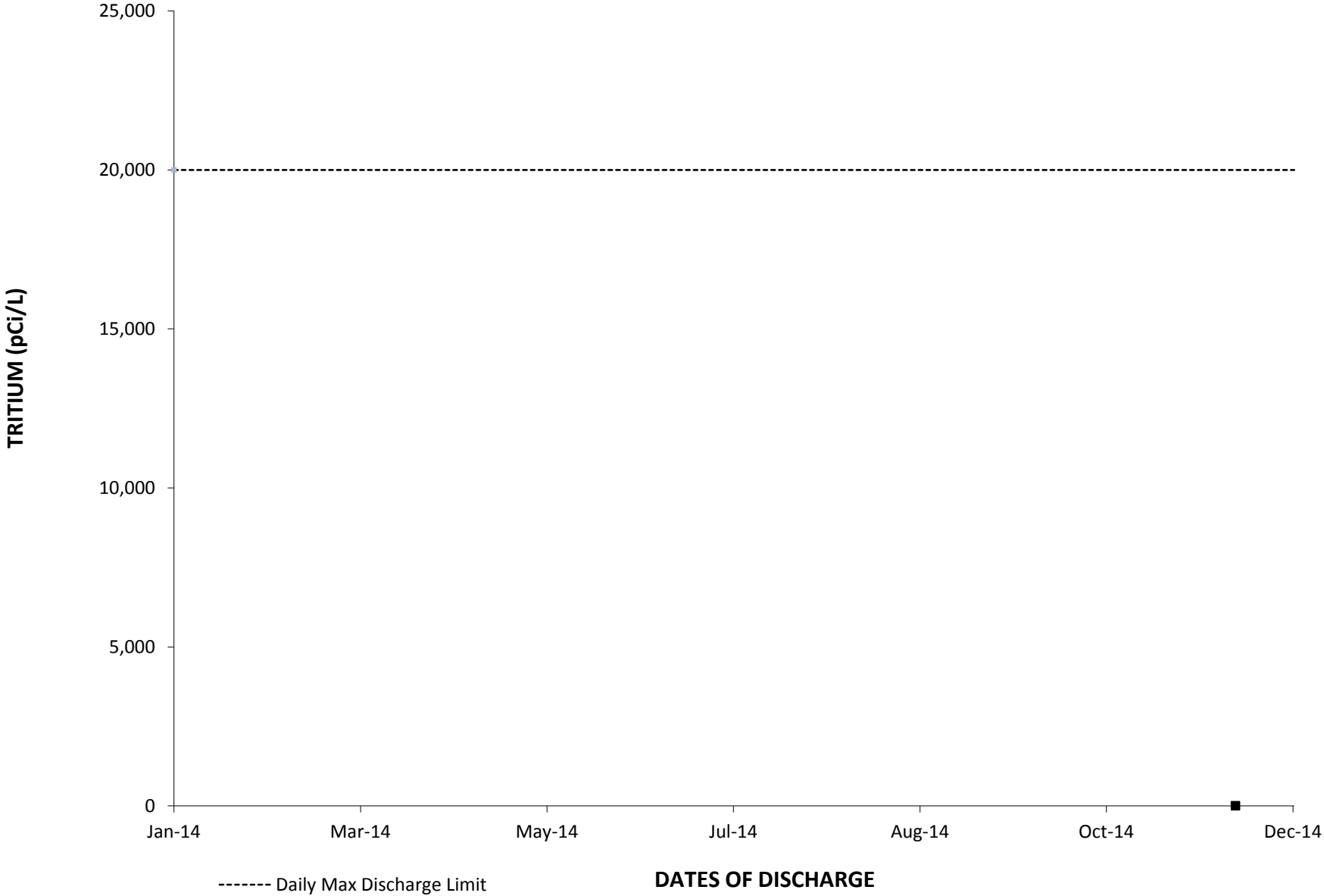
2014: OUTFALL 008 TOTAL COMBINED RADIUM-226 & RADIUM-228 DAILY VALUE



2014: OUTFALL 008 TOTAL DISSOLVED SOLIDS (TDS) DAILY VALUE

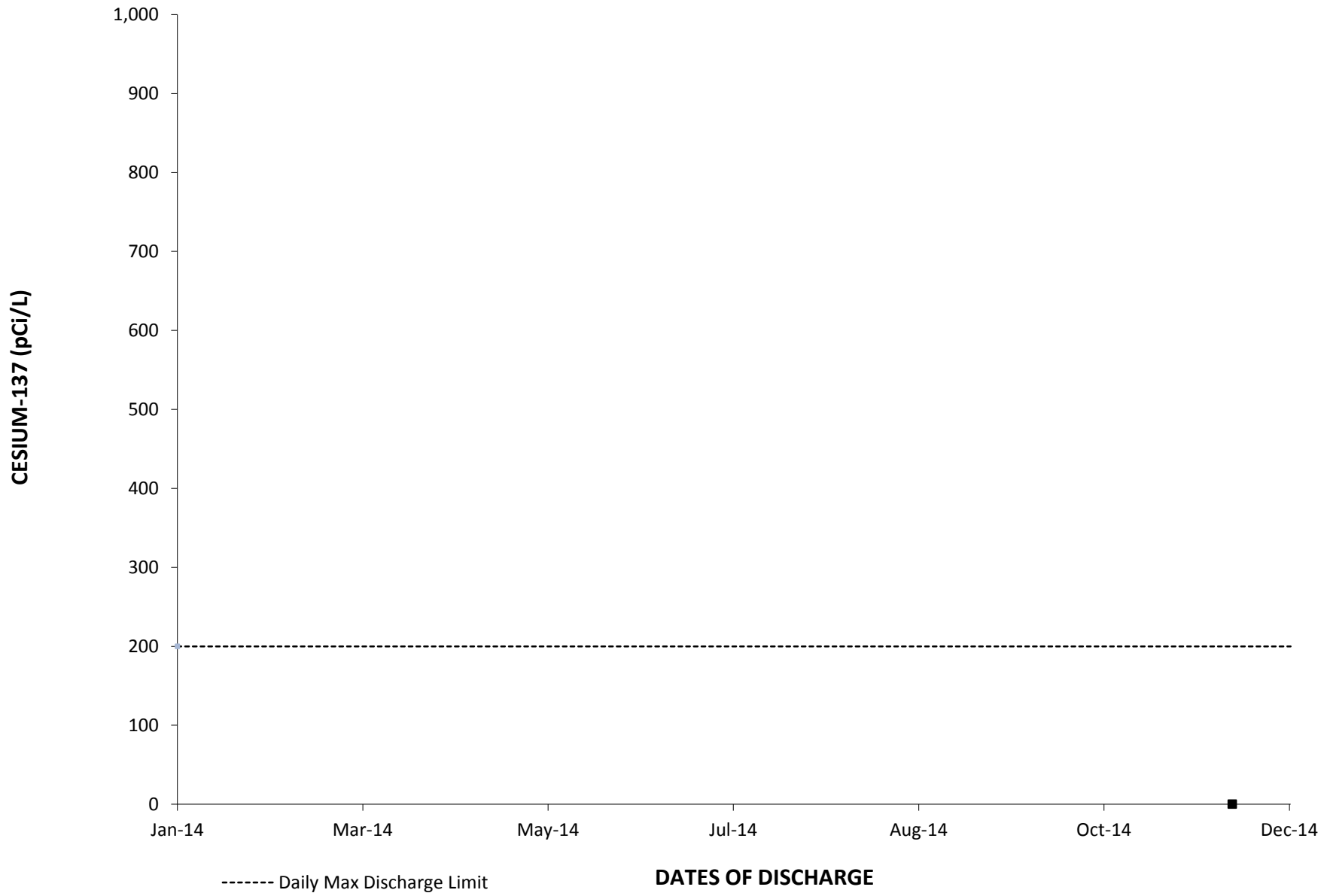


2014: OUTFALL 008 TRITIUM DAILY VALUE

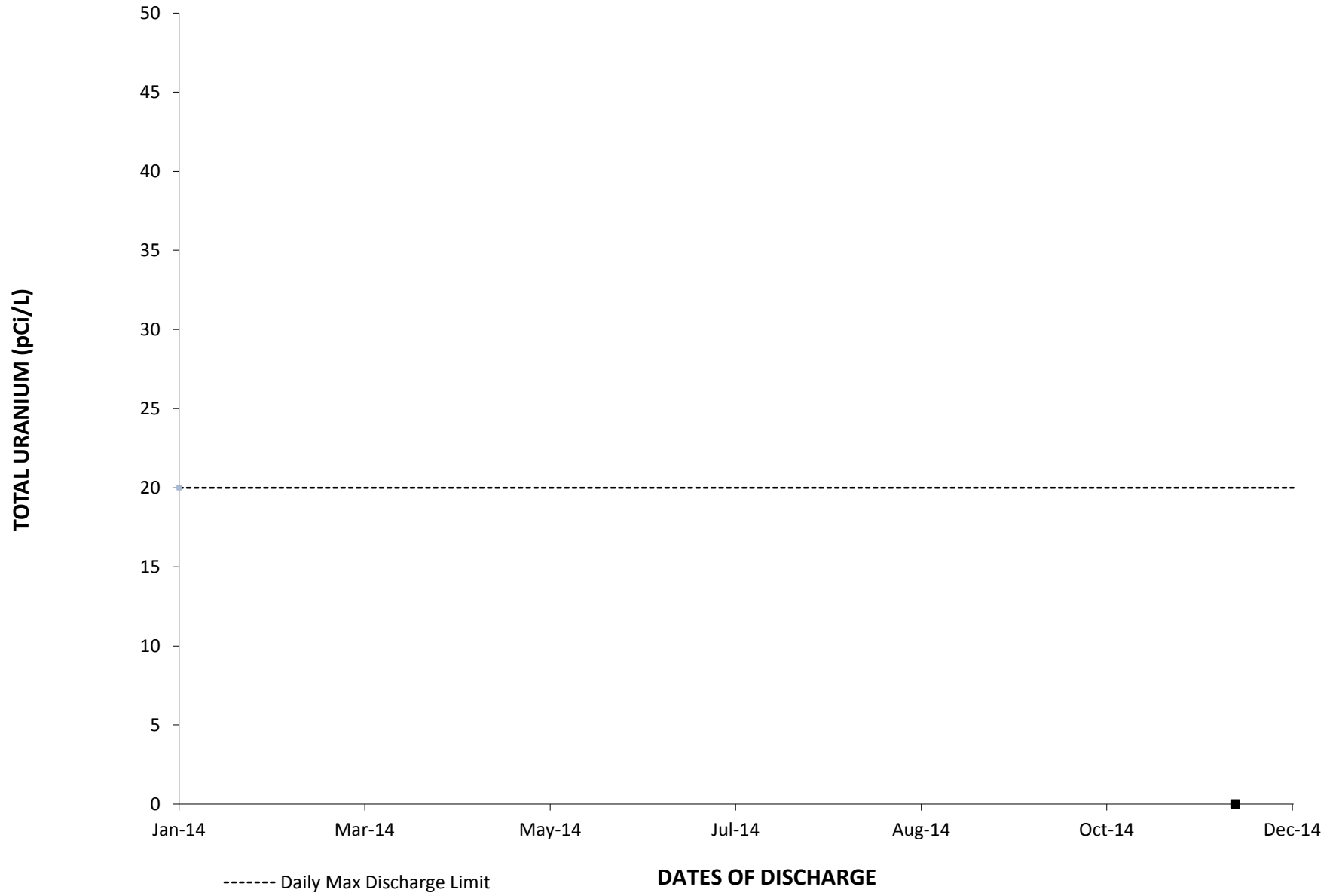


ADDITIONAL POLLUTANTS

2014: OUTFALL 008 CESIUM-137 DAILY VALUE



2014: OUTFALL 008 TOTAL URANIUM DAILY VALUE



APPENDIX E

Outfall 009 - WS-13 Drainage

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab) - 03/01/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	1.7337	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.3	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	5.5	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Composite	0.7	J (DNQ)
Cadmium	ug/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	ug/L	14/-	1/Discharge	Composite	8.2	--
Lead	ug/L	5.2/-	1/Discharge	Composite	9.6	--
Mercury	ug/L	0.13/-	1/Discharge	Composite	ND < 0.1	U
Nickel	ug/L	100/-	1/Year	Composite	7.3	J (DNQ)
Selenium	ug/L	-/-	1/Discharge	Composite	ND < 0.5	U
Thallium	ug/L	2.0/-	1/Discharge	Composite	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Composite	ND < 3	*
Zinc	ug/L	-/-	1/Discharge	Composite	50	--
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	Grab	100	*
Boron	mg/L	1.0/-	1/Year	Composite	0.044	J (DNQ)
Chloride	mg/L	150/-	1/Discharge	Composite	5.5	*
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Composite	1.0	*
Fluoride	mg/L	1.6/-	1/Year	Composite	0.16	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.99	*
Perchlorate	ug/L	6.0/-	1/Semiannual	Composite	ND < 0.95	*
Sulfate	mg/L	250/-	1/Discharge	Composite	6.6	*
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	54.9	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	51	*
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1,2-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,1-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.5	*
1,2-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,2-Dichloropropane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.474	U
2,4-Dichlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.948	U
2,4-Dimethylphenol	ug/L	-/-	1/Year	Composite	ND < 0.948	U
2,4-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.9	U
2,4-Dinitrotoluene	ug/L	-/-	1/Year	Composite	ND < 1.9	U
2,6-Dinitrotoluene	ug/L	-/-	1/Year	Composite	ND < 1.9	U
2-Chloroethylvinylether	ug/L	-/-	1/Year	Grab	ND < 1	*
2-Chloronaphthalene	ug/L	-/-	1/Year	Composite	ND < 0.19	U

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab) - 03/01/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	1/Year	Composite	ND < 0.474	U
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.9	U
2-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 0.948	U
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	Composite	ND < 1.9	U
4,4'-DDD	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	1/Year	Composite	ND < 0.0029	*
4,4'-DDT	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.474	U
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	Composite	ND < 0.19	U
4-Chlorophenylphenylether	ug/L	-/-	1/Year	Composite	ND < 0.19	U
4-Nitrophenol	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Acenaphthene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Acenaphthylene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Acrolein	ug/L	-/-	1/Year	Grab	ND < 2.5	*
Acrylonitrile	ug/L	-/-	1/Year	Grab	ND < 1	*
Aldrin	ug/L	-/-	1/Year	Composite	ND < 0.0014	*
alpha-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0024	*
Anthracene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Aroclor 1016	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1221	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1232	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1242	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1248	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1254	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Aroclor 1260	ug/L	-/-	1/Year	Composite	ND < 0.24	*
Arsenic	ug/L	-/-	1/Year	Composite	ND < 7	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 1.9	*
Benzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Benzidine	ug/L	-/-	1/Year	Composite	ND < 4.74	U
Benzo(a)anthracene	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Benzo(a)pyrene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Benzo(b)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.948	U
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Benzo(k)fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.237	U
Beryllium	ug/L	-/-	1/Year	Composite	ND < 0.9	U
beta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0038	*
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Bromodichloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Bromoform	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Bromomethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Butylbenzylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Carbon Tetrachloride	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chlordane	ug/L	-/-	1/Year	Composite	ND < 0.076	*
Chlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chloroform	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Chromium	ug/L	-/-	1/Year	Composite	7.9	--

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab) - 03/01/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium VI	ug/L	-/-	1/Year	Grab	0.41	J (DNQ)
Chrysene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
delta-BHC	ug/L	-/-	1/Year	Composite	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	Composite	ND < 0.237	U
Dibromochloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Dieldrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Dimethylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.237	U
Di-n-butylphthalate	ug/L	-/-	1/Year	Composite	ND < 0.948	U
Di-n-octylphthalate	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Endosulfan I	ug/L	-/-	1/Year	Composite	ND < 0.0029	*
Endosulfan II	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Endosulfan Sulfate	ug/L	-/-	1/Year	Composite	ND < 0.0029	*
Endrin	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Endrin Aldehyde	ug/L	-/-	1/Year	Composite	ND < 0.0019	*
Ethylbenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Fluoranthene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Fluorene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Heptachlor	ug/L	-/-	1/Year	Composite	ND < 0.0029	*
Heptachlor Epoxide	ug/L	-/-	1/Year	Composite	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Hexachlorobutadiene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	Composite	ND < 1.9	U
Hexachloroethane	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	Composite	ND < 0.948	U
Isophorone	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Lindane (gamma-BHC)	ug/L	-/-	1/Year	Composite	ND < 0.0029	*
Methylene chloride	ug/L	-/-	1/Year	Grab	ND < 0.88	*
Naphthalene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Nitrobenzene	ug/L	-/-	1/Year	Composite	ND < 0.474	U
N-Nitrosodimethylamine	ug/L	-/-	1/Year	Composite	ND < 0.948	U
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	Composite	ND < 0.948	U
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Pentachlorophenol	ug/L	-/-	1/Year	Composite	1.46	J (DNQ)
Phenanthrene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Phenol	ug/L	-/-	1/Year	Composite	ND < 0.474	U
Pyrene	ug/L	-/-	1/Year	Composite	ND < 0.19	U
Silver	ug/L	-/-	1/Year	Composite	ND < 0.5	*
Tetrachloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Toluene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Toxaphene	ug/L	-/-	1/Year	Composite	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Trichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Vinyl chloride	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Xylenes (Total)	ug/L	-/-	1/Year	Grab	ND < 0.5	*
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	Composite	4,400	--
Chlorpyrifos	ug/L	-/-	1/Year	Composite	ND < 0.34	U

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab) - 03/01/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Diazinon	ug/L	-/-	1/Year	Composite	ND < 0.14	U
E. Coli	MPN/100mL	-/-	1/Year	Grab	>=1,600	--
Fecal Coliform	MPN/100mL	-/-	1/Year	Grab	>=1,600	--
Hardness	mg/L	-/-	1/Year	Composite	28	--
Iron	mg/L	-/-	1/Year	Composite	6.2	--
Total Suspended Solids	mg/L	-/-	1/Year	Composite	120	--
Trichlorofluoromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	*
Vanadium	ug/L	-/-	1/Year	Composite	13	--
ADDITIONAL POLLUTANTS						
Alkalinity as CaCO3	mg/L	-/-	Additional	Grab	16	*
Aluminum, dissolved	ug/L	-/-	Additional	Composite	190	--
Antimony, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Arsenic, dissolved	ug/L	-/-	Additional	Composite	ND < 7	U
Beryllium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.9	U
Bicarbonate Alkalinity as CaCO3	mg/L	-/-	Additional	Grab	16	*
Boron, dissolved	mg/L	-/-	Additional	Composite	0.039	J (DNQ)
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Carbonate Alkalinity as CaCO3	mg/L	-/-	Additional	Grab	ND < 4	*
Chromium, dissolved	ug/L	-/-	Additional	Composite	ND < 2	U
Copper, dissolved	ug/L	-/-	Additional	Composite	3.7	--
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	5.2	*
Hardness, dissolved	mg/L	-/-	Additional	Composite	19	--
Hydroxide Alkalinity as CaCO3	mg/L	-/-	Additional	Grab	ND < 4	*
Iron, dissolved	mg/L	-/-	Additional	Composite	0.19	--
Lead, dissolved	ug/L	-/-	Additional	Composite	0.51	J (DNQ)
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	U
Nickel, dissolved	ug/L	-/-	Additional	Composite	2	J (DNQ)
Selenium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Silver, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	*
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	Composite	ND < 3	U
Zinc, Dissolved	ug/L	-/-	Additional	Composite	ND < 14	U (B)

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/02/2014 (Grab) - 12/03/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.120982	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.3	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	6.64	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Composite	0.59	J (DNQ)
Cadmium	ug/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	ug/L	14/-	1/Discharge	Composite	8.2	--
Lead	ug/L	5.2/-	1/Discharge	Composite	3.5	--
Mercury	ug/L	0.13/-	1/Discharge	Composite	0.11	*
Nickel	ug/L	100/-	1/Year	ANR	ANR	ANR
Selenium	ug/L	-/-	1/Discharge	ANR	ANR	ANR
Thallium	ug/L	2.0/-	1/Discharge	Composite	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Composite	ND < 2.5	*
Zinc	ug/L	-/-	1/Discharge	ANR	ANR	ANR
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	ANR	ANR	ANR
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	18	*
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Composite	1	*
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	1.1	*
Perchlorate	ug/L	6.0/-	1/Semiannual	Composite	ND < 0.95	*
Sulfate	mg/L	250/-	1/Discharge	Composite	8.8	*
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	55.63	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	160	*
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/02/2014 (Grab) - 12/03/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/02/2014 (Grab) - 12/03/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium VI	ug/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	ug/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Silver	ug/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	1/Year	ANR	ANR	ANR
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/02/2014 (Grab) - 12/03/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Diazinon	ug/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	Composite	21	--
Trichlorofluoromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	ug/L	-/-	1/Year	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Aluminum, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Additional	Composite	0.53	J (DNQ)
Arsenic, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Bicarbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Boron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Carbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Chromium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	Additional	Composite	5.9	--
Dissolved Oxygen (Field)	mg/L	-/-	Additional	--	--	--
Hardness, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Hydroxide Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Iron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	Additional	Composite	0.85	J (DNQ)
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	*
Nickel, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	Additional	ANR	ANR	ANR

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				12/12/2014 (Grab) - 12/13/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.208623	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	6.54	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Composite	0.74	J (DNQ)
Cadmium	ug/L	4.0/-	1/Discharge	Composite	0.31	J (DNQ)
Copper	ug/L	14/-	1/Discharge	Composite	9.0	--
Lead	ug/L	5.2/-	1/Discharge	Composite	8.8	--
Mercury	ug/L	0.13/-	1/Discharge	Composite	ND < 0.1	*
Nickel	ug/L	100/-	1/Year	ANR	ANR	ANR
Selenium	ug/L	-/-	1/Discharge	ANR	ANR	ANR
Thallium	ug/L	2.0/-	1/Discharge	Composite	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Composite	ND < 2.5	*
Zinc	ug/L	-/-	1/Discharge	ANR	ANR	ANR
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	ANR	ANR	ANR
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	13	*
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	3.0	*
Perchlorate	ug/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	4.3	*
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	52.56	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	140	*
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/12/2014 (Grab) - 12/13/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-/-	1/Year	ANR	ANR	ANR

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NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/12/2014 (Grab) - 12/13/2014 (Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium VI	ug/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	ug/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Silver	ug/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	1/Year	ANR	ANR	ANR
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

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				12/12/2014 (Grab) - 12/13/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Diazinon	ug/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	Composite	78	-- (2)
Trichlorofluoromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	ug/L	-/-	1/Year	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Aluminum, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Arsenic, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Bicarbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Boron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Carbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Chromium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	Additional	Composite	4.6	--
Dissolved Oxygen (Field)	mg/L	-/-	Additional	--	--	--
Hardness, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Hydroxide Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Iron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	Additional	Composite	1.1	--
Mercury, dissolved	ug/L	-/-	Additional	^	^	^
Nickel, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	Additional	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/17/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.573008	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	*
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	6.64	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Composite	0.83	J (DNQ)
Cadmium	ug/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	ug/L	14/-	1/Discharge	Composite	8.8	J+ (I)
Lead	ug/L	5.2/-	1/Discharge	Composite	13	--
Mercury	ug/L	0.13/-	1/Discharge	Composite	ND < 0.1	*
Nickel	ug/L	100/-	1/Year	ANR	ANR	ANR
Selenium	ug/L	-/-	1/Discharge	ANR	ANR	ANR
Thallium	ug/L	2.0/-	1/Discharge	Composite	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Composite	ND < 2.5	*
Zinc	ug/L	-/-	1/Discharge	ANR	ANR	ANR
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	ANR	ANR	ANR
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	6.1	*
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	1.9	*
Perchlorate	ug/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	3.9	*
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	47.14	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	120	*
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

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THE BOEING COMPANY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/17/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/17/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium VI	ug/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	ug/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	ug/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-/-	1/Year	ANR	ANR	ANR
Silver	ug/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	1/Year	ANR	ANR	ANR
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	1/Year	ANR	ANR	ANR

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/17/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Diazinon	ug/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	Composite	78	-- (2)
Trichlorofluoromethane	ug/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	ug/L	-/-	1/Year	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Aluminum, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Additional	Composite	0.54	J (DNQ)
Arsenic, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Bicarbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Boron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.25	U
Carbonate Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Chromium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	Additional	Composite	4.4	J+ (I)
Dissolved Oxygen (Field)	mg/L	-/-	Additional	--	--	--
Hardness, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Hydroxide Alkalinity as CaCO3	mg/L	-/-	Additional	--	--	--
Iron, dissolved	mg/L	-/-	Additional	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	Additional	Composite	1.3	--
Mercury, dissolved	ug/L	-/-	Additional	Composite	ND < 0.1	*
Nickel, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Additional	Composite	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	Additional	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 1, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	5.00E-05	2.59E-04	--	0.01	0.05	1.30E-07
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	5.00E-05	4.21E-05	J (DNQ)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	5.00E-05	4.57E-06	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	2.61E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	5.00E-05	9.82E-06	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	1.93E-06	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	5.00E-05	1.04E-05	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	1.00E-04	2.53E-03	--	0.0001	0.01	2.53E-09
OCDF	1/Discharge	1.20E-05	1.00E-04	1.47E-04	--	0.0001	0.02	2.94E-10
TCDD TEQ w/out DNQ Values								1.32E-07

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 3, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	4.77E-05	1.74E-05	J (DNQ)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	4.77E-05	5.13E-06	UJ (*III)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	4.77E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	4.77E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	9.50E-06	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	9.54E-05	1.33E-04	--	0.0001	0.01	1.33E-10
OCDF	1/Discharge	1.20E-05	9.54E-05	1.35E-05	U (B)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								1.33E-10

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 13, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	5.05E-05	1.75E-04	--	0.01	0.05	8.75E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	5.05E-05	3.30E-05	UJ (*III)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	5.05E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	5.05E-05	9.57E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	5.05E-05	3.40E-06	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	5.05E-05	8.01E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	5.05E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	5.05E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	1.01E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	1.01E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	1.01E-04	1.80E-03	--	0.0001	0.01	1.80E-09
OCDF	1/Discharge	1.20E-05	1.01E-04	9.78E-05	J (DNQ)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								8.93E-08

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date December 17, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	5.02E-05	1.46E-04	--	0.01	0.05	7.30E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	5.02E-05	2.34E-05	J (DNQ)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	5.02E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	5.02E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	5.02E-05	1.64E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	5.02E-05	8.46E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	5.02E-05	4.66E-06	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	5.02E-05	6.10E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	5.02E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	5.02E-05	1.61E-06	UJ (*III)	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	5.02E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	5.02E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	5.02E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	1.00E-04	1.98E-03	--	0.0001	0.01	1.98E-09
OCDF	1/Discharge	1.20E-05	1.00E-04	5.93E-05	J (DNQ)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								7.50E-08

TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	03/01/2014 (Composite)			12/03/2014 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
NON-CONVENTIONAL POLLUTANTS									
Gross Alpha	pCi/L	15/-	1/Discharge	4.53 ± 1.61	1.63	J (C)	2.73 ± 1.41	1.86	J (C)
Gross Beta	pCi/L	50/-	1/Discharge	7.88 ± 1.39	1.17	--	3.15 ± 0.834	0.883	J (DNQ)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.355 ± 0.194	0.287	--	0.251 ± 0.271	0.443	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.780 ± 0.29	0.051	--	0.156 ± 0.330	NA	UJ (C)
Tritium	pCi/L	20000/-	1/Discharge	11.7 ± 150	277	U	91.9 ± 192	329	U
ADDITIONAL POLLUTANTS									
Cesium 137	pCi/L	200/-	1/Discharge	-1.30 ± 6.36	11.5	U	0.0266 ± 6.77	12.5	U
Uranium, Total	pCi/L	20/-	1/Discharge	0.139 ± 0.157	0.218	U	0.347 ± 0.658	1.01	U
ADDITIONAL POLLUTANTS WITHOUT LIMITS									
Potassium-40	pCi/L	-/-	1/Discharge	-27.8 ± 152	169	U	-92.7 ± 551	224	U

OUTFALL 009 (WS-13 DRAINAGE)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/13/2014 (Composite)			12/17/2014 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
NON-CONVENTIONAL POLLUTANTS									
Gross Alpha	pCi/L	15/-	1/Discharge	2.53 ± 1.35	1.75	J (C)	5.82 ± 1.75	1.48	J (C)
Gross Beta	pCi/L	50/-	1/Discharge	9.90 ± 1.55	1.05	--	6.73 ± 1.25	1.02	--
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.175 ± 0.614	1.14	U	-0.192 ± 0.616	1.14	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.848 ± 0.479	NA	J (C)	0.616 ± 0.523	NA	UJ (C)
Tritium	pCi/L	20000/-	1/Discharge	91.0 ± 182	310	U	-15.8 ± 183	346	U
ADDITIONAL POLLUTANTS									
Cesium 137	pCi/L	200/-	1/Discharge	1.06 ± 5.14	9.94	U	0.000 ± 2.37	16.0	U
Uranium, Total	pCi/L	20/-	1/Discharge	0.529 ± 0.652	1.00	U	0.551 ± 0.378	0.405	J (DNQ)
ADDITIONAL POLLUTANTS WITHOUT LIMITS									
Potassium-40	pCi/L	-/-	1/Discharge	-73.0 ± 536	244	U	2.92 ± 69.3	170	U

OUTFALL 009 (WS-13 DRAINAGE)

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2014

				2/28/2014 (Grab) - 03/01/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	Sample Type	Result	Concentration Result Validation Qualifier
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	1.7337	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	*
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Composite	0.01	J (DNQ)
Cadmium	LBS/DAY	0.59/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	2.1/-	1/Discharge	Composite	0.12	--
Lead	LBS/DAY	0.77/-	1/Discharge	Composite	0.14	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	14.9/-	1/Year	Composite	0.11	J (DNQ)
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Composite	1.91E-09	--
Thallium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Composite	ND	*
NON-CONVENTIONAL POLLUTANTS						
Boron	LBS/DAY	148/-	1/Year	Composite	0.64	J (DNQ)
Chloride	LBS/DAY	22,268/-	1/Discharge	Composite	79.52	*
Fluoride	LBS/DAY	238/-	1/Year	Composite	2.31	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Composite	14.31	*
Perchlorate	LBS/DAY	0.89/-	1/Semiannual	Composite	ND	--
Sulfate	LBS/DAY	37,113/-	1/Discharge	Composite	95.43	*
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Composite	737.40	*

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2014

				12/02/2014 (Grab) - 12/03/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	Sample Type	Result	Concentration Result Validation Qualifier
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.120982	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	*
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Composite	0.0006	J (DNQ)
Cadmium	LBS/DAY	0.59/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	2.1/-	1/Discharge	Composite	0.0083	--
Lead	LBS/DAY	0.77/-	1/Discharge	Composite	0.0035	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Composite	0.0001	*
Nickel	LBS/DAY	14.9/-	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Composite	1.34E-13	*
Thallium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Composite	ND	*
NON-CONVENTIONAL POLLUTANTS						
Boron	LBS/DAY	148/-	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	22,268/-	1/Discharge	Composite	18.16	*
Fluoride	LBS/DAY	238/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Composite	1.11	*
Perchlorate	LBS/DAY	0.89/-	1/Semiannual	Composite	ND	*
Sulfate	LBS/DAY	37,113/-	1/Discharge	Composite	8.88	*
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Composite	161.44	*

OUTFALL 009 (WS-13 DRAINAGE)

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2014

				12/12/2014 (Grab) - 12/13/2014 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	Sample Type	Result	Concentration Result Validation Qualifier
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.208623	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	*
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Composite	0.0013	J (DNQ)
Cadmium	LBS/DAY	0.59/-	1/Discharge	Composite	0.00054	J (DNQ)
Copper	LBS/DAY	2.1/-	1/Discharge	Composite	0.016	--
Lead	LBS/DAY	0.77/-	1/Discharge	Composite	0.015	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Composite	ND	*
Nickel	LBS/DAY	14.9/-	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Composite	1.55E-10	*
Thallium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Composite	ND	*
NON-CONVENTIONAL POLLUTANTS						
Boron	LBS/DAY	148/-	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	22,268/-	1/Discharge	Composite	23	*
Fluoride	LBS/DAY	238/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Composite	5.2	*
Perchlorate	LBS/DAY	0.89/-	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	1/Discharge	Composite	7.5	*
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Composite	244	*

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2014

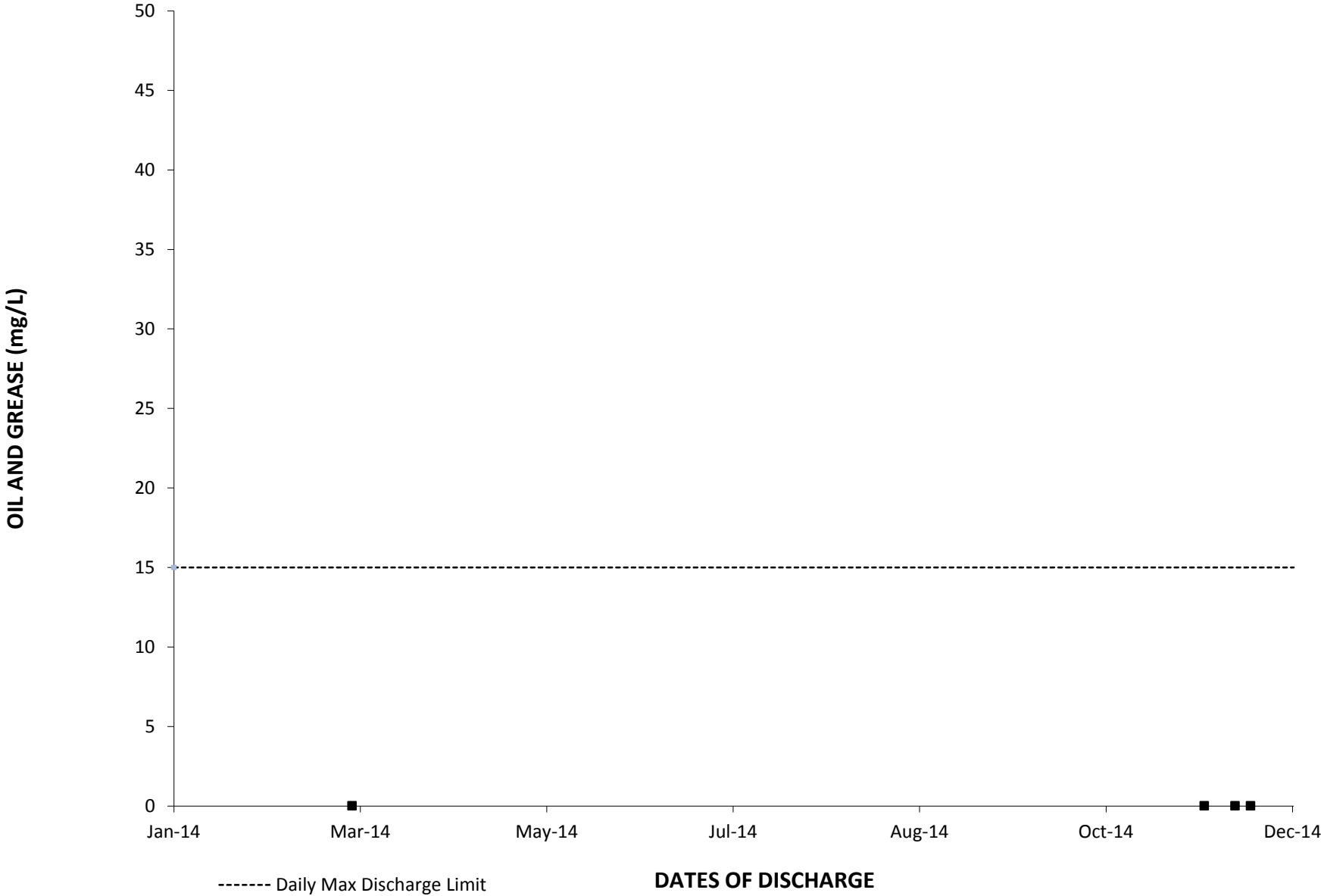
				12/17/2014 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	Sample Type	Result	Concentration Result Validation Qualifier
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.573008	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	*
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Composite	0.004	J (DNQ)
Cadmium	LBS/DAY	0.59/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	2.1/-	1/Discharge	Composite	0.04	J+ (I)
Lead	LBS/DAY	0.77/-	1/Discharge	Composite	0.06	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Composite	ND	*
Nickel	LBS/DAY	14.9/-	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Composite	3.58E-10	--
Thallium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Composite	ND	*
NON-CONVENTIONAL POLLUTANTS						
Boron	LBS/DAY	148/-	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	22,268/-	1/Discharge	Composite	29.15	*
Fluoride	LBS/DAY	238/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Composite	9.08	*
Perchlorate	LBS/DAY	0.89/-	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	1/Discharge	Composite	18.64	*
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Composite	573.47	*

See attached notes for abbreviations, definitions,
and other explanations for the data presented.

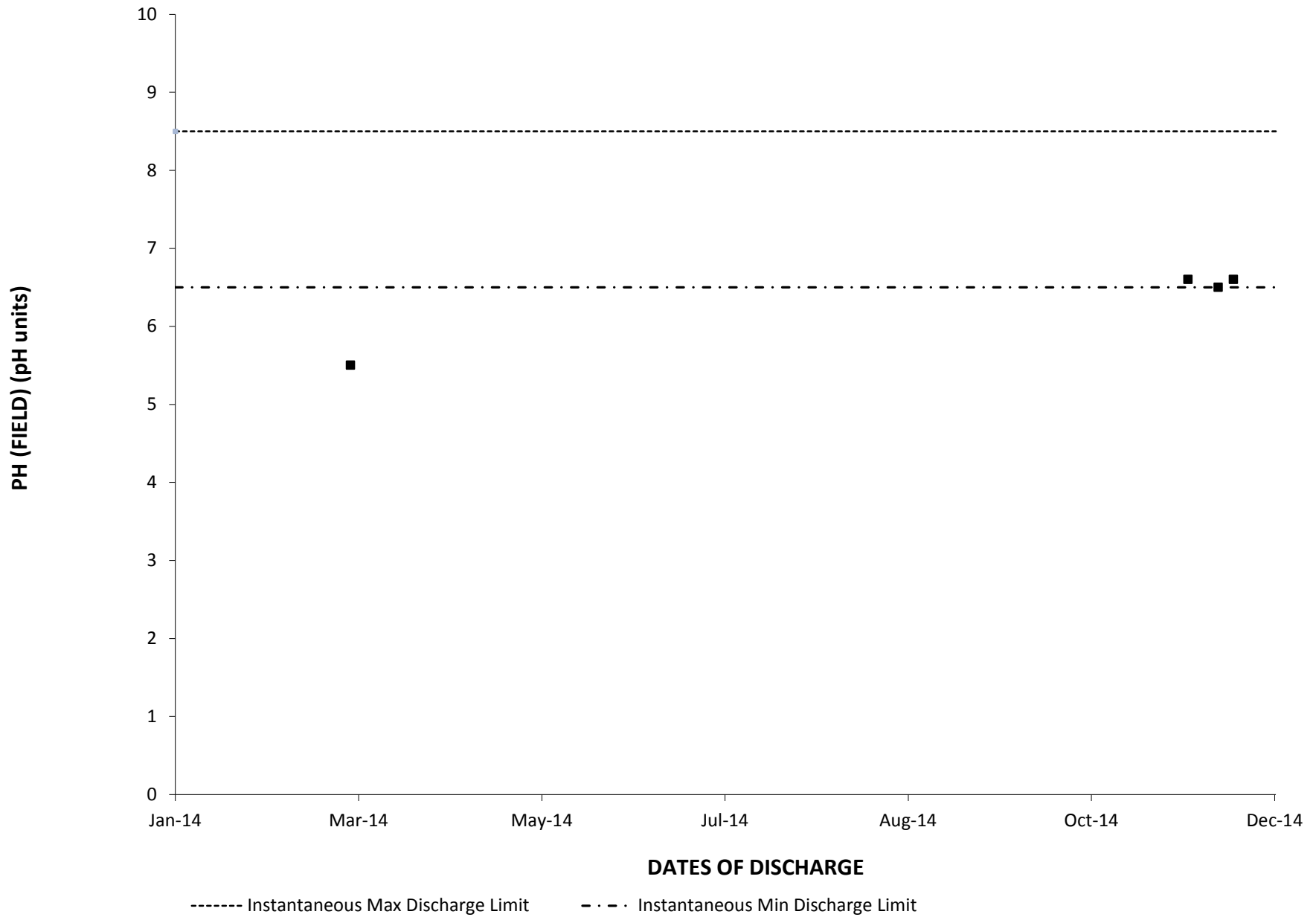
ANALYTICAL RESULT CHARTS

CONVENTIONAL POLLUTANTS

2014: OUTFALL 009 OIL AND GREASE DAILY VALUE

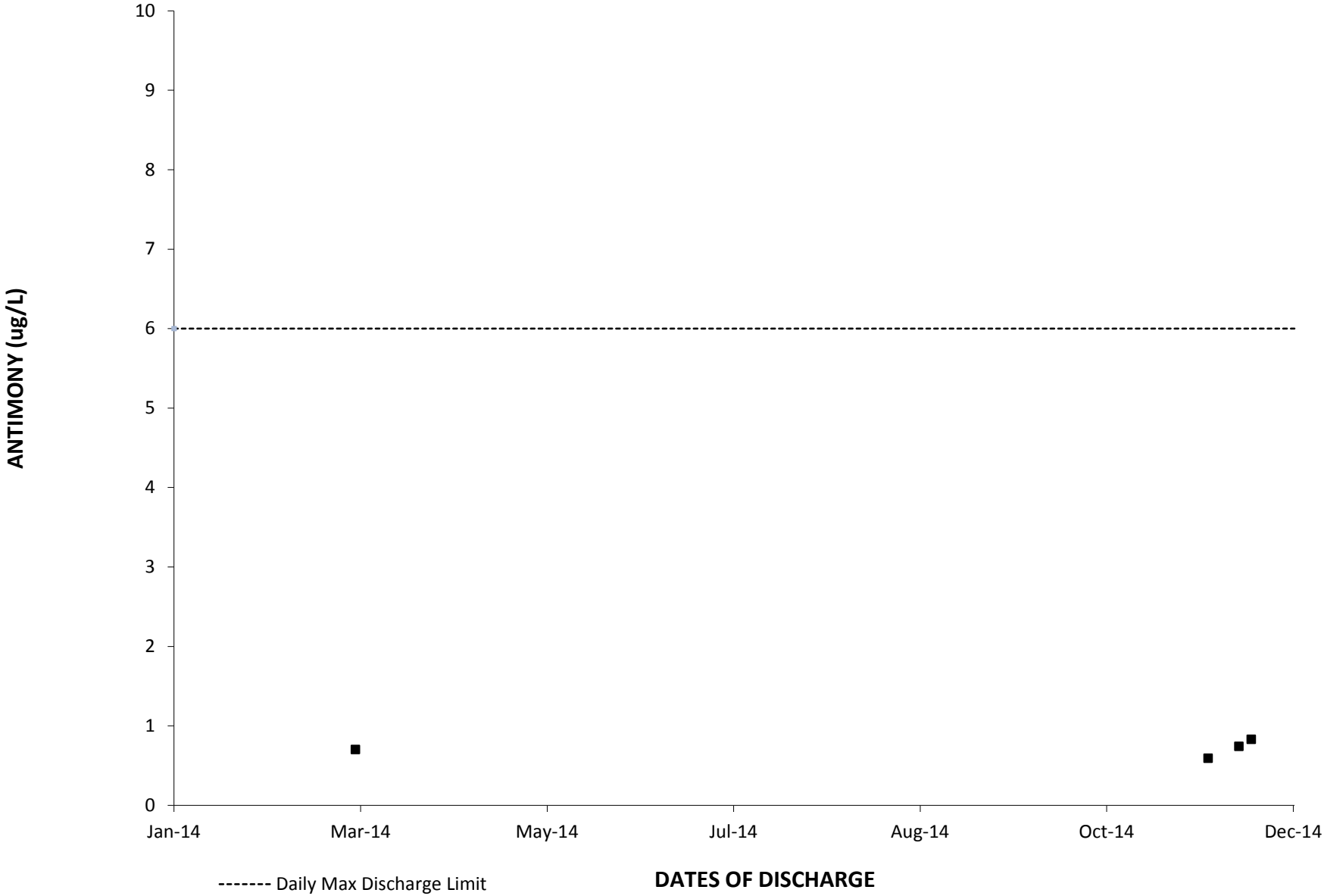


2014: OUTFALL 009 PH (FIELD) DAILY VALUE

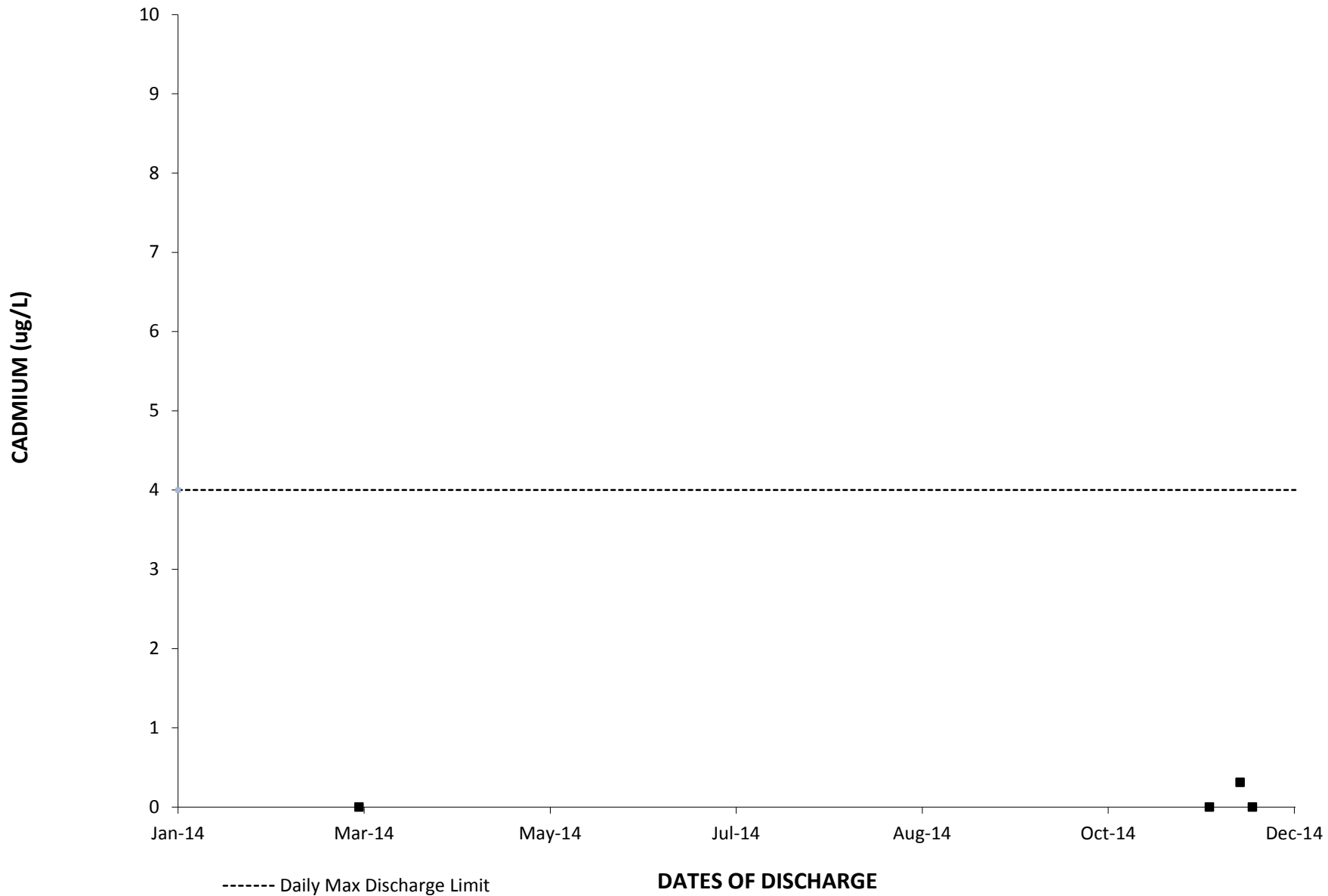


PRIORITY POLLUTANTS

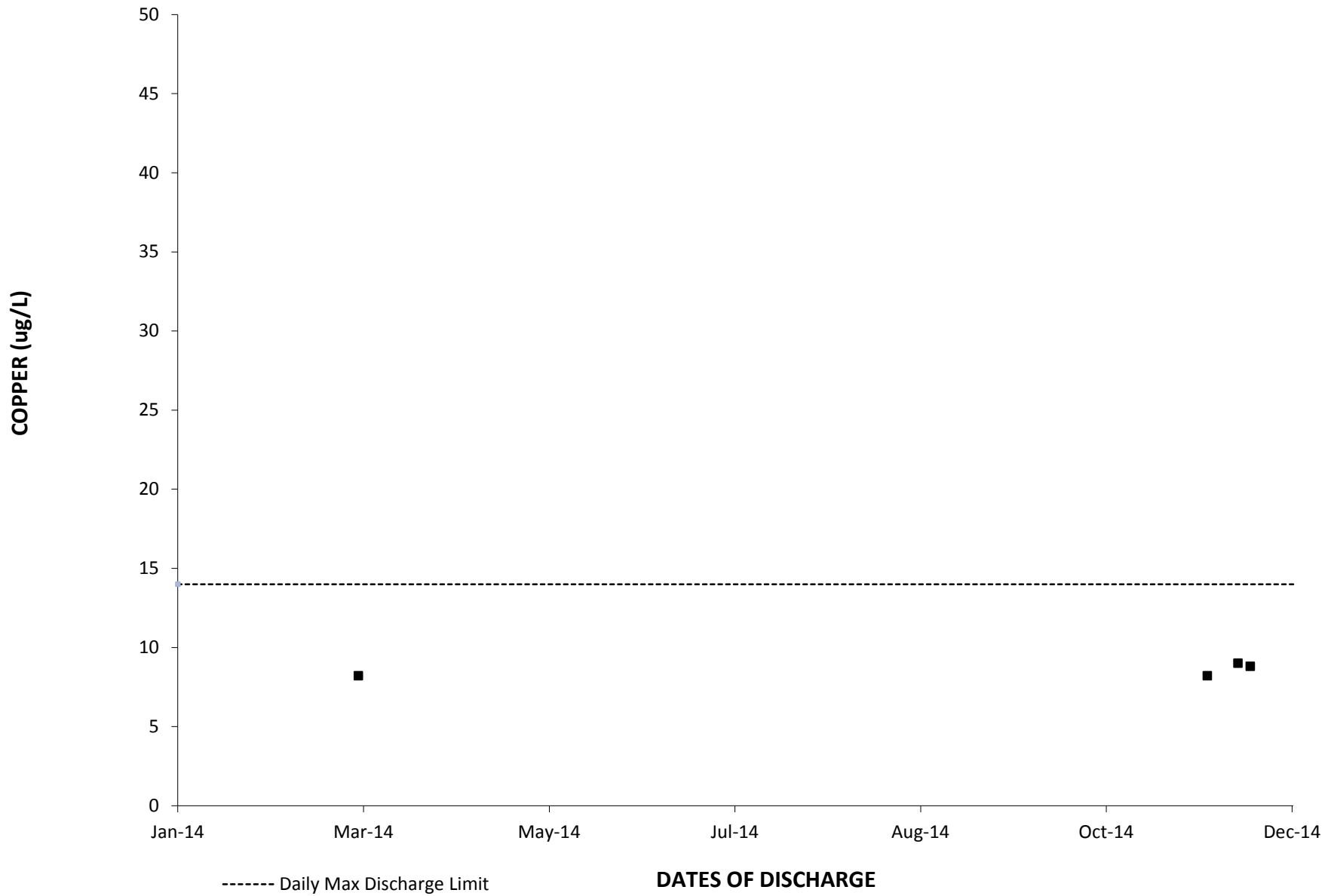
2014: OUTFALL 009 ANTIMONY DAILY VALUE



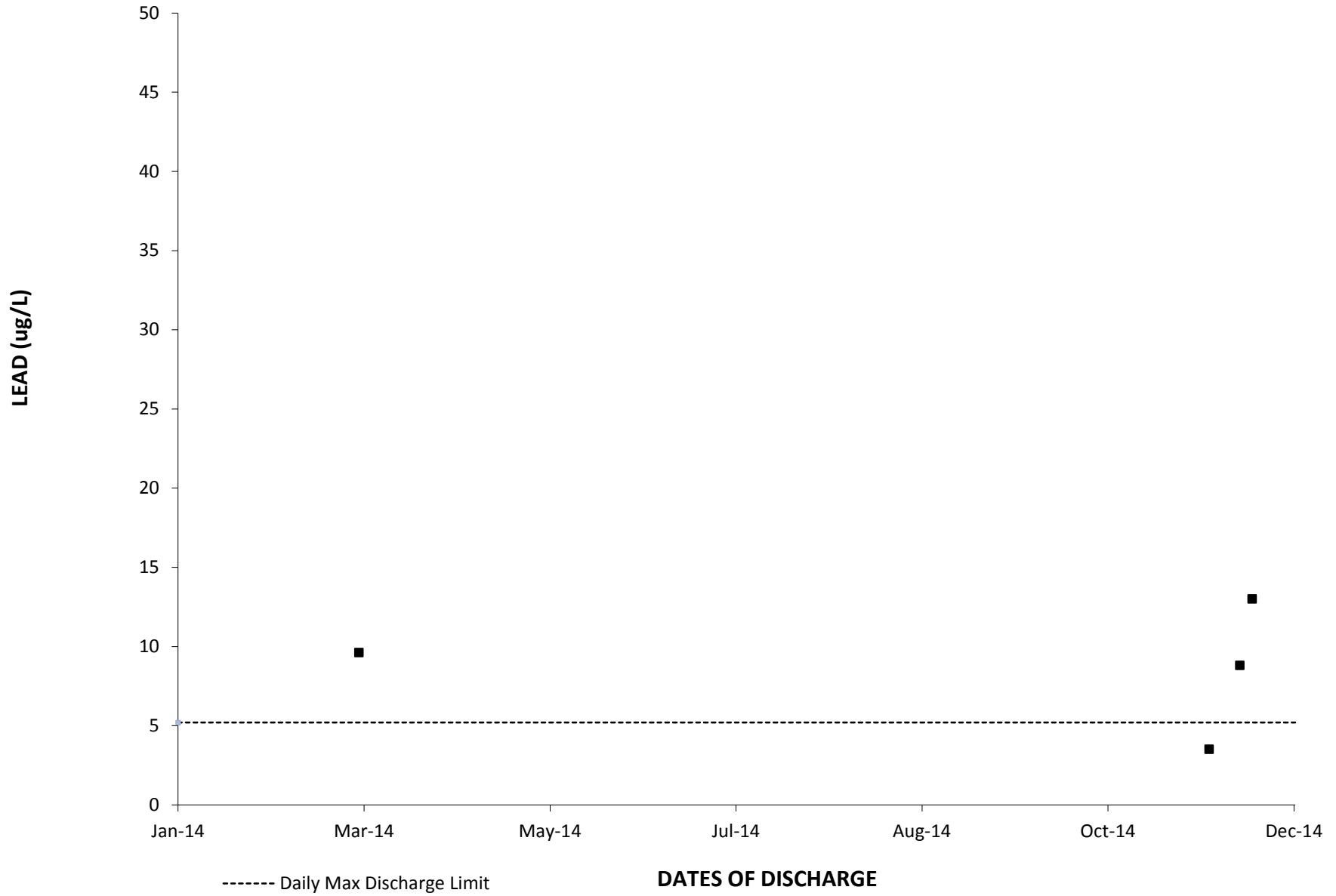
2014: OUTFALL 009 CADMIUM DAILY VALUE



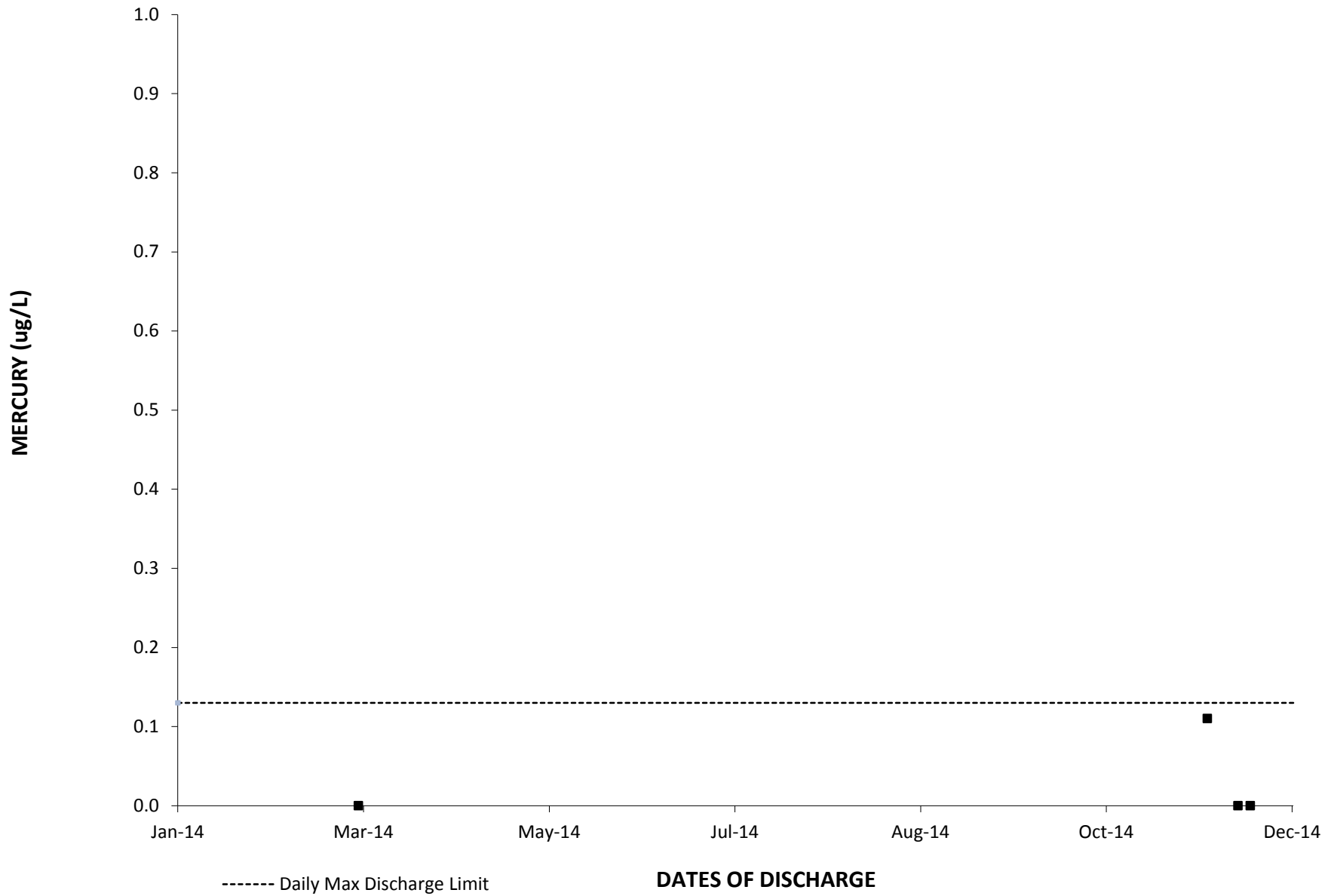
2014: OUTFALL 009 COPPER DAILY VALUE



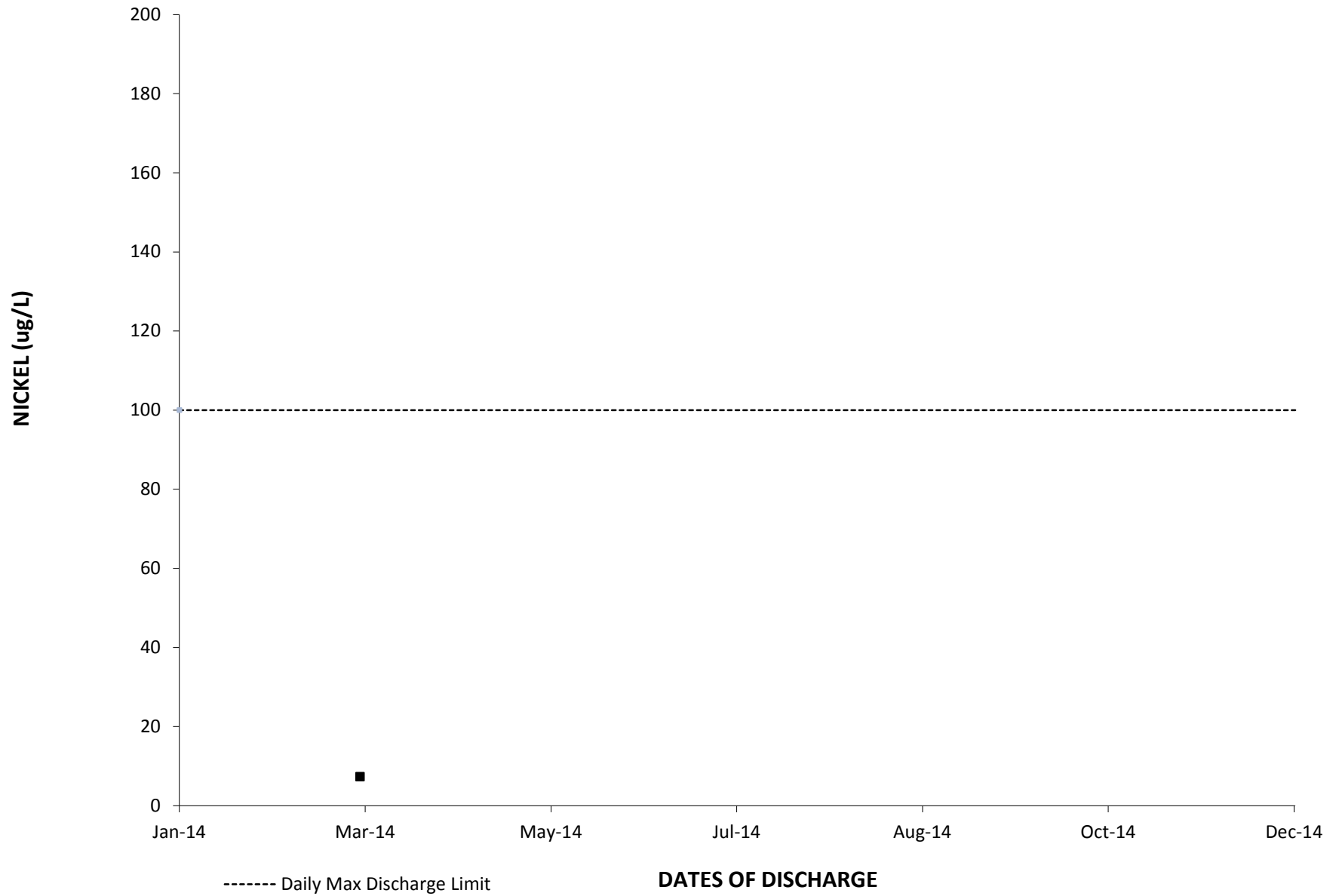
2014: OUTFALL 009 LEAD DAILY VALUE



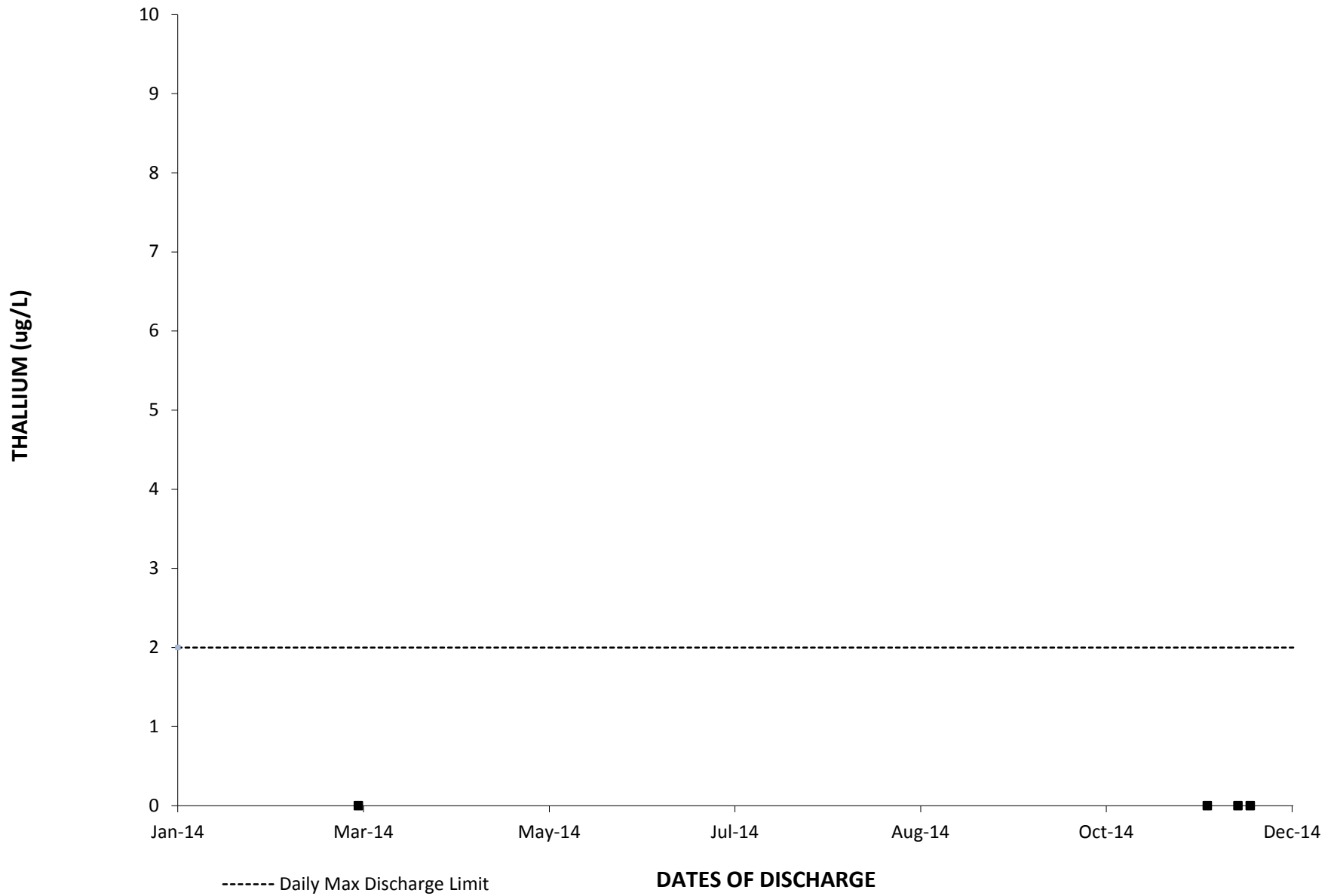
2014: OUTFALL 009 MERCURY DAILY VALUE



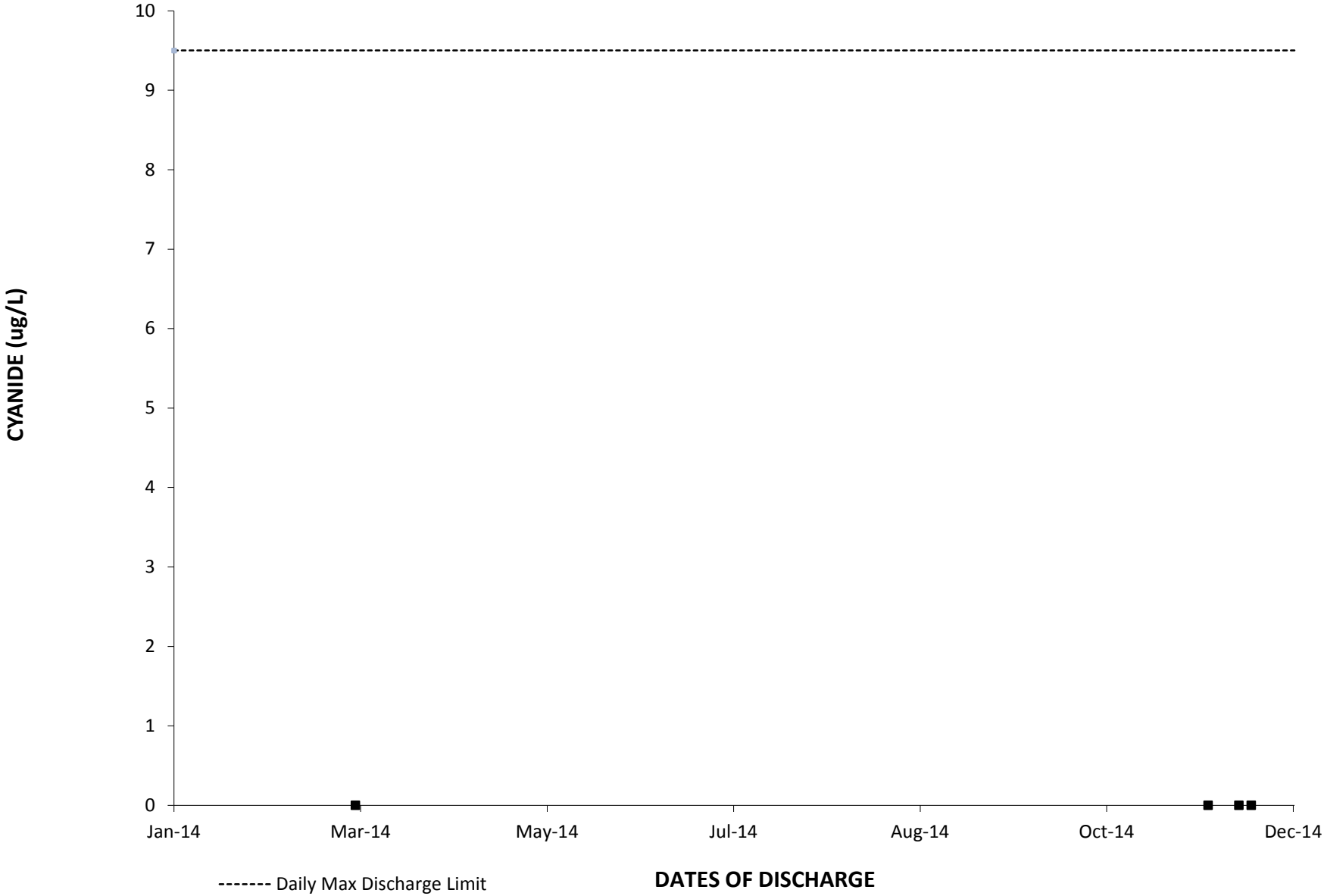
2014: OUTFALL 009 NICKEL DAILY VALUE



2014: OUTFALL 009 THALLIUM DAILY VALUE

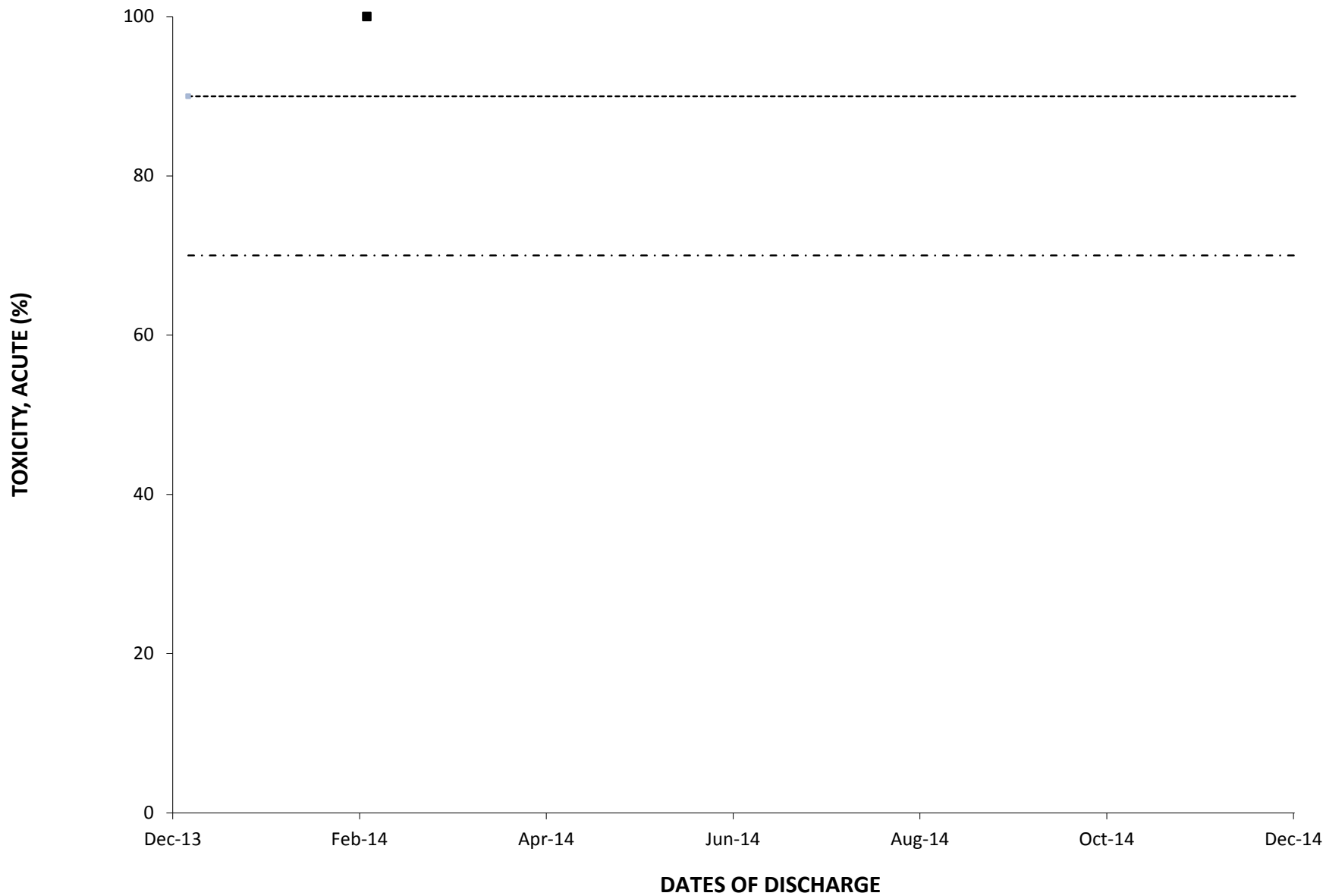


2014: OUTFALL 009 TOTAL CYANIDE DAILY VALUE



NON-CONVENTIONAL POLLUTANTS

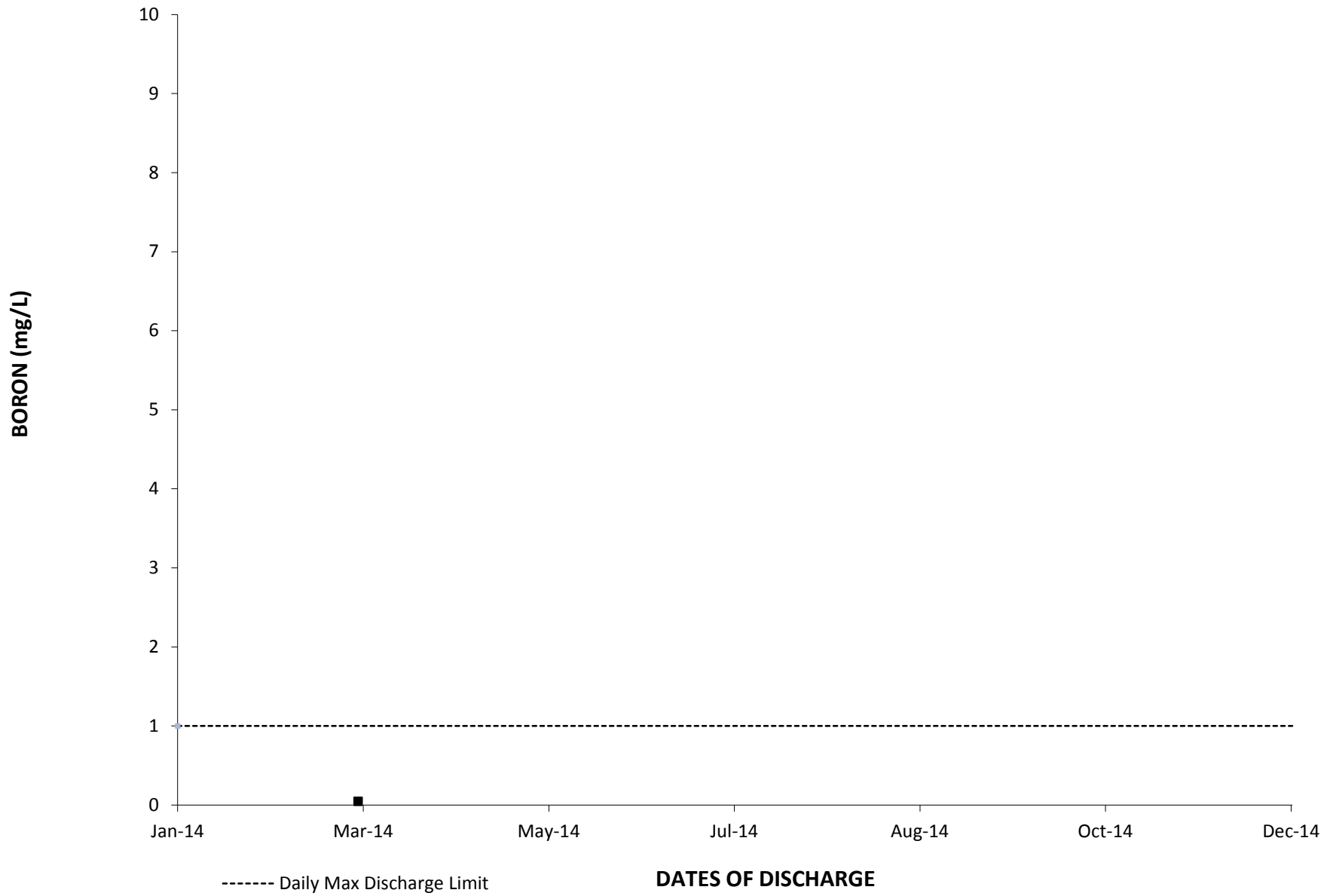
2014: OUTFALL 009 TOXICITY, ACUTE DAILY VALUE



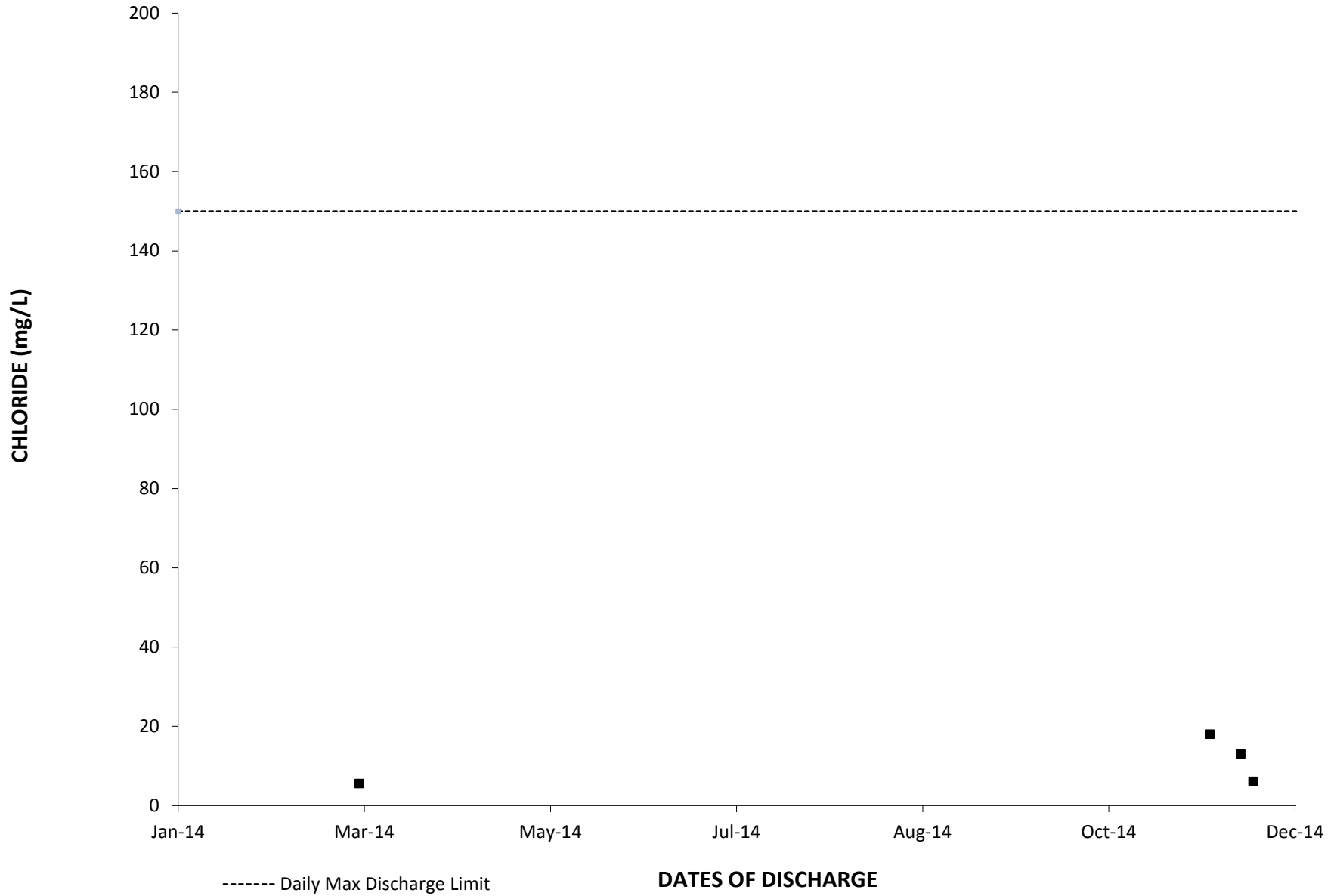
----- Average Survival Rate - . - . - Minimal Survival Rate

The acute toxicity for all of the effluent discharges shall be such that: (i) the average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and (ii) no single test producing less than 70 % survival.

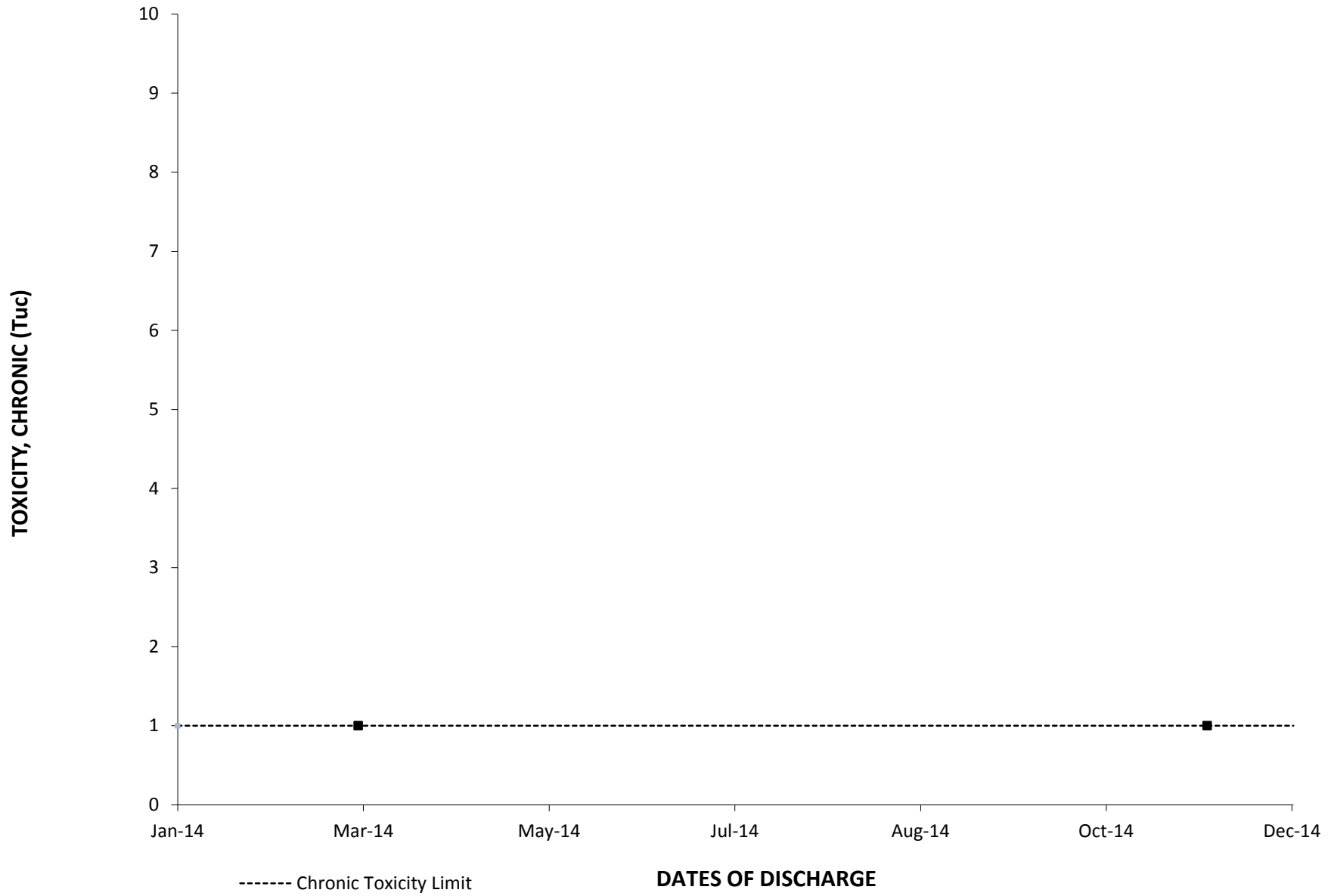
2014: OUTFALL 009 BORON DAILY VALUE



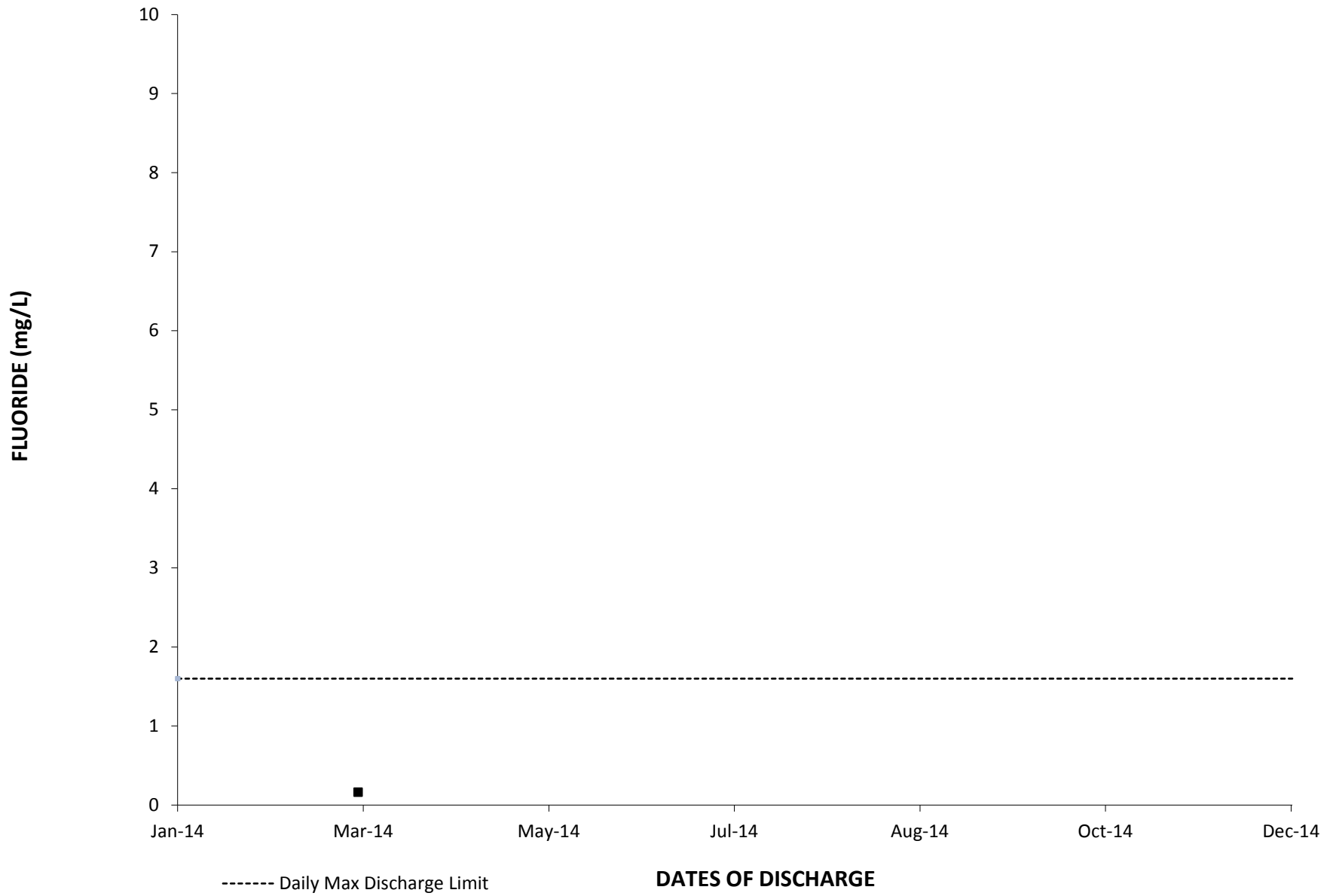
2014: OUTFALL 009 CHLORIDE DAILY VALUE



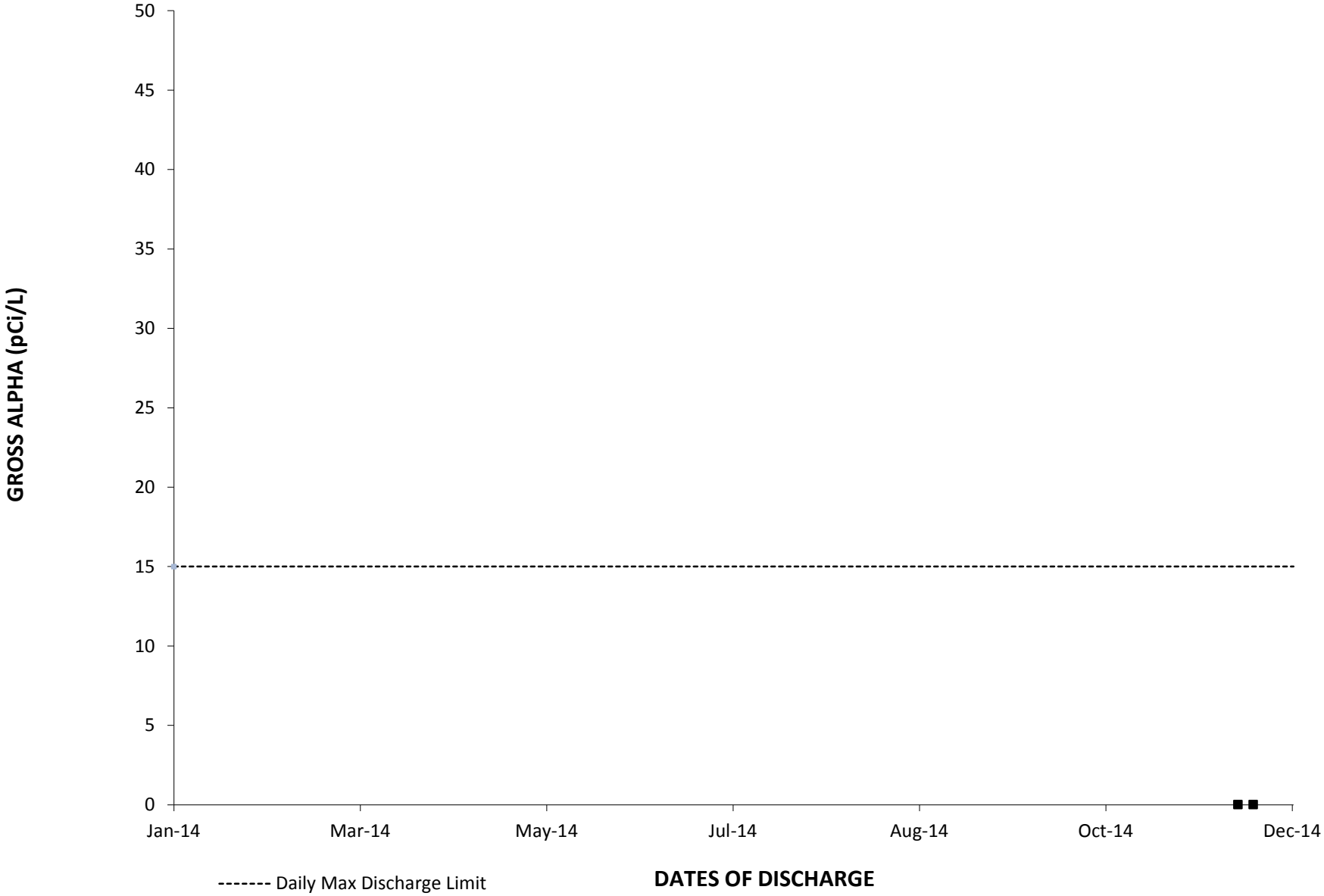
2014: OUTFALL 009 TOXICITY, CHRONIC DAILY VALUE



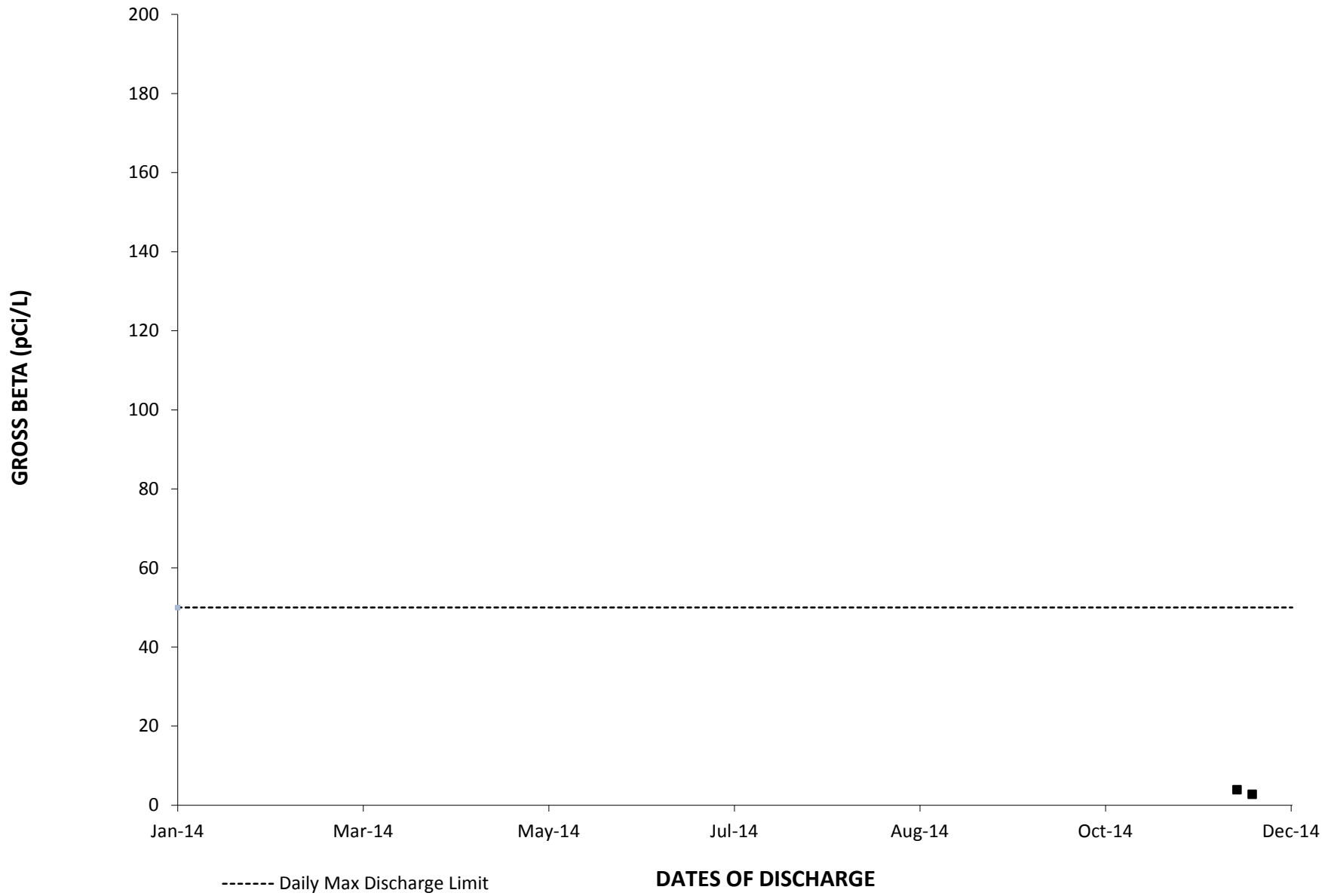
2014: OUTFALL 009 FLUORIDE DAILY VALUE



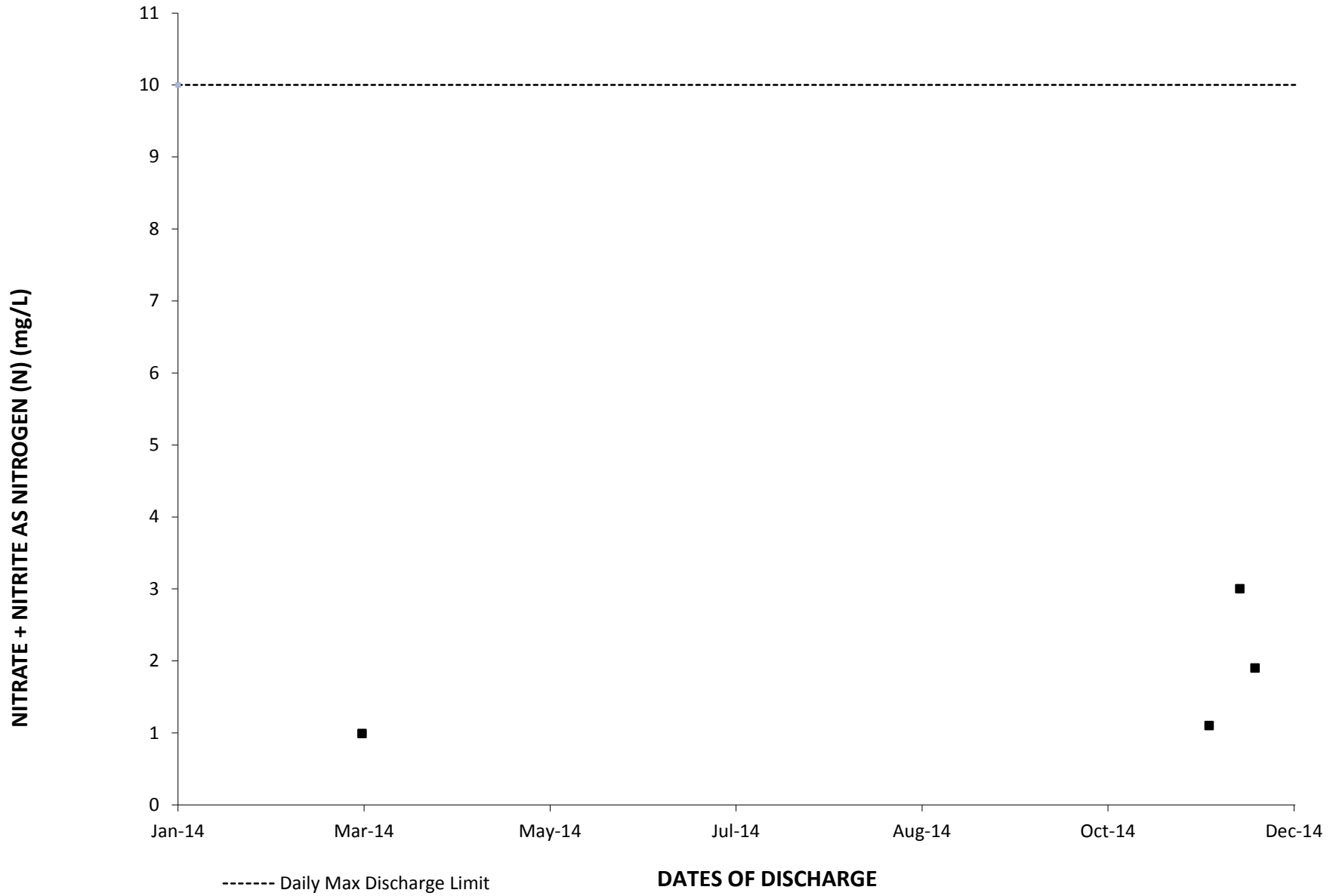
2014: OUTFALL 002 GROSS ALPHA DAILY VALUE



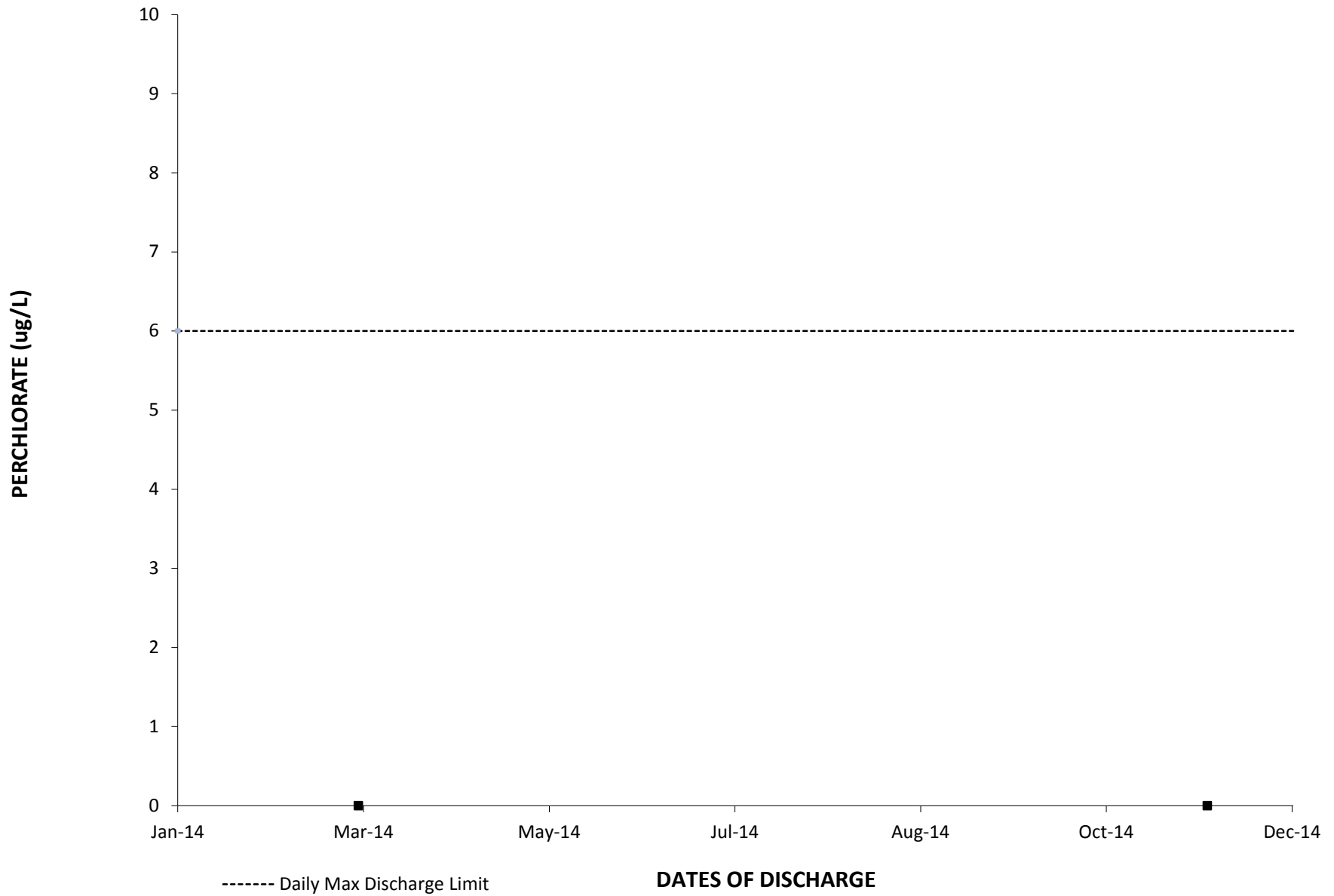
2014: OUTFALL 002 GROSS BETA DAILY VALUE



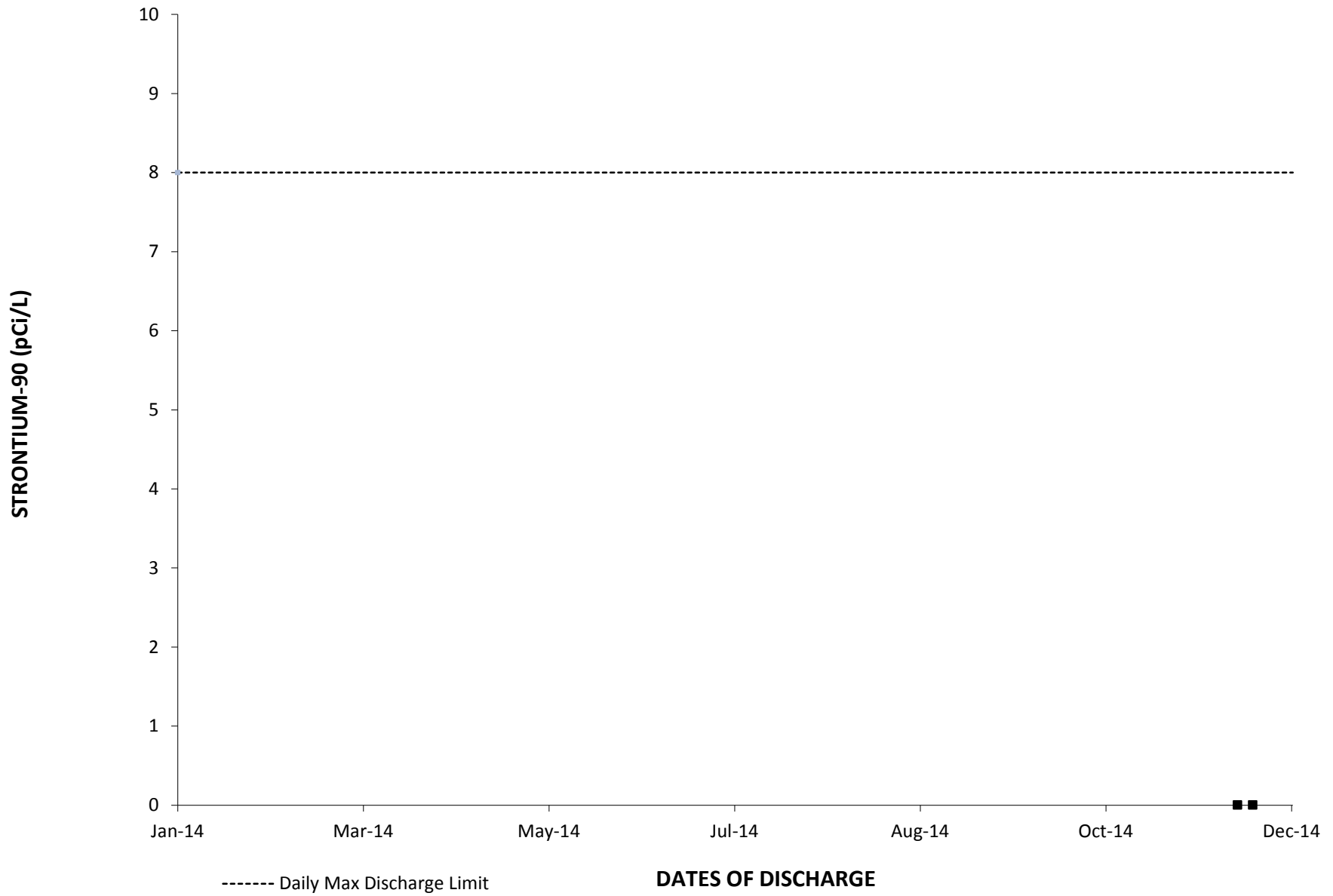
2014: OUTFALL 009 NITRATE + NITRITE AS NITROGEN (N) DAILY VALUE



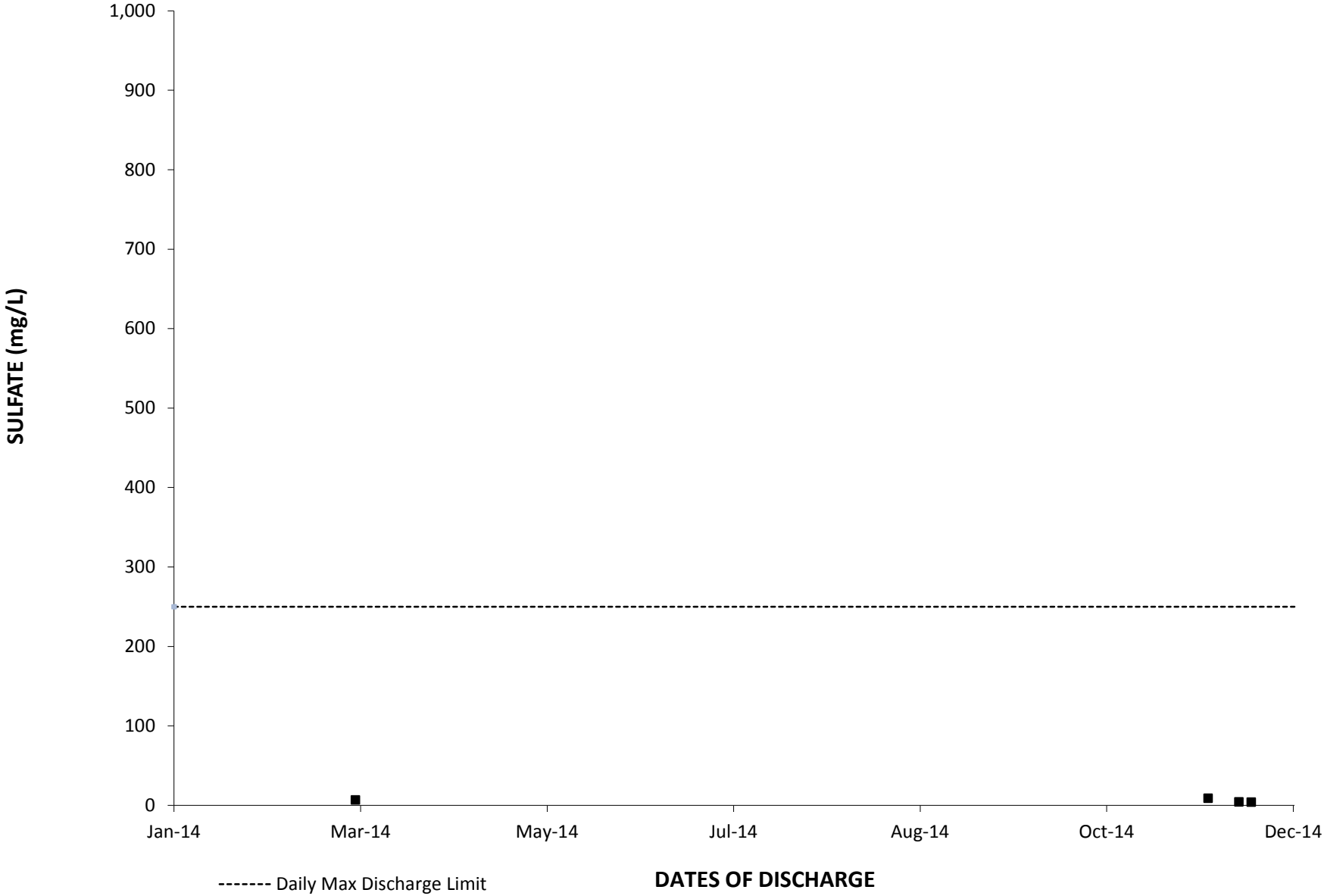
2014: OUTFALL 009 PERCHLORATE DAILY VALUE



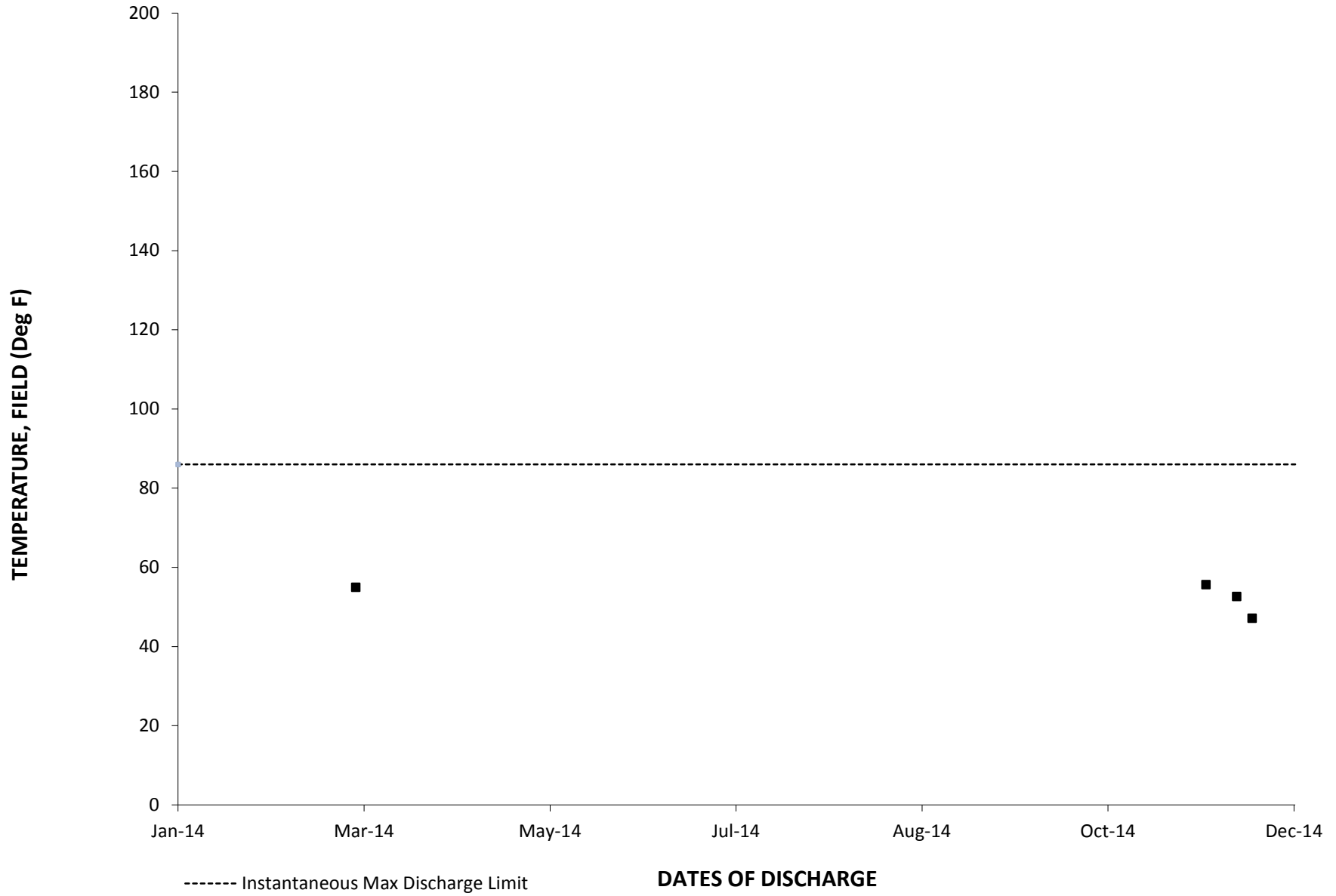
2014: OUTFALL 002 STRONTIUM-90 DAILY VALUE



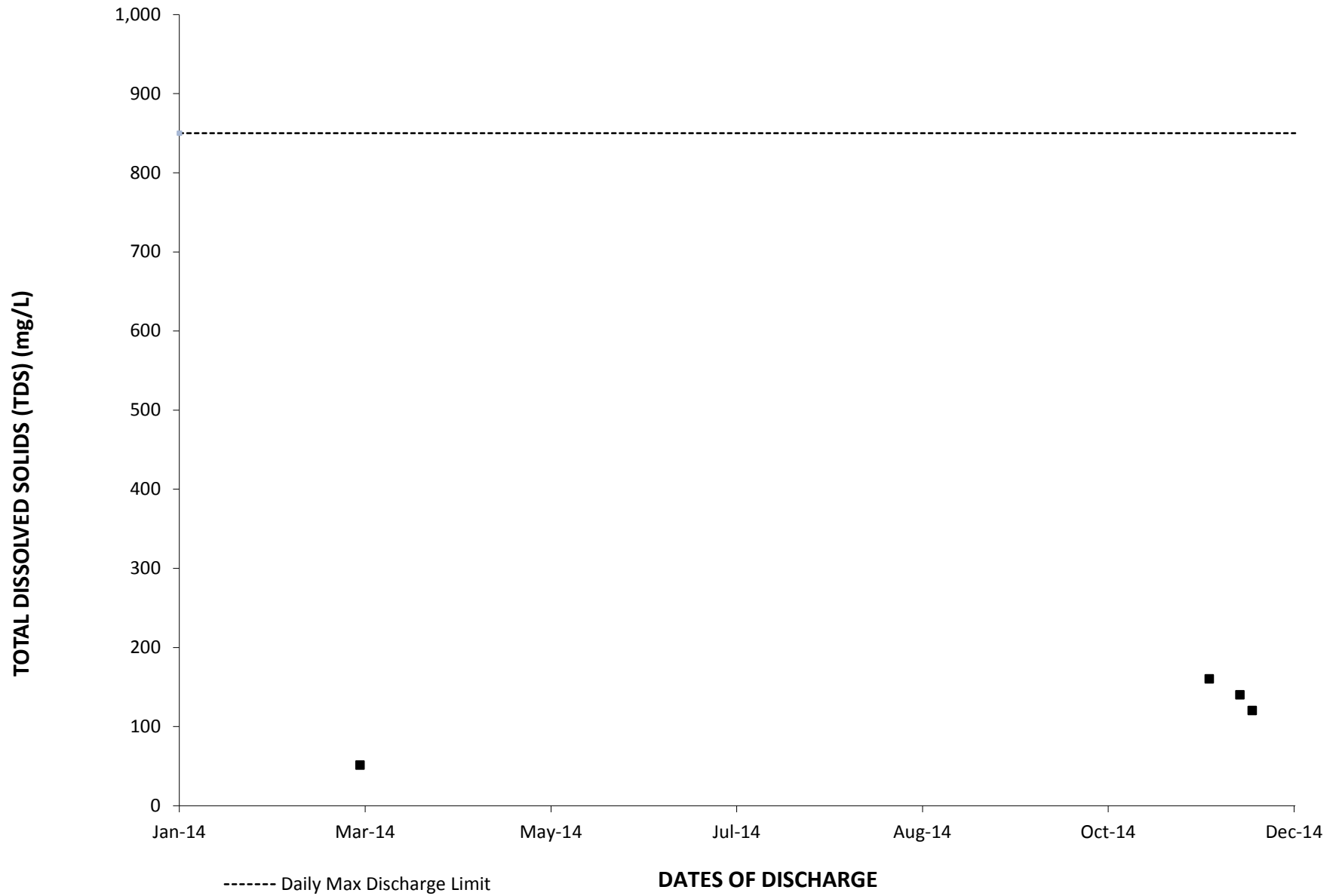
2014: OUTFALL 009 SULFATE DAILY VALUE



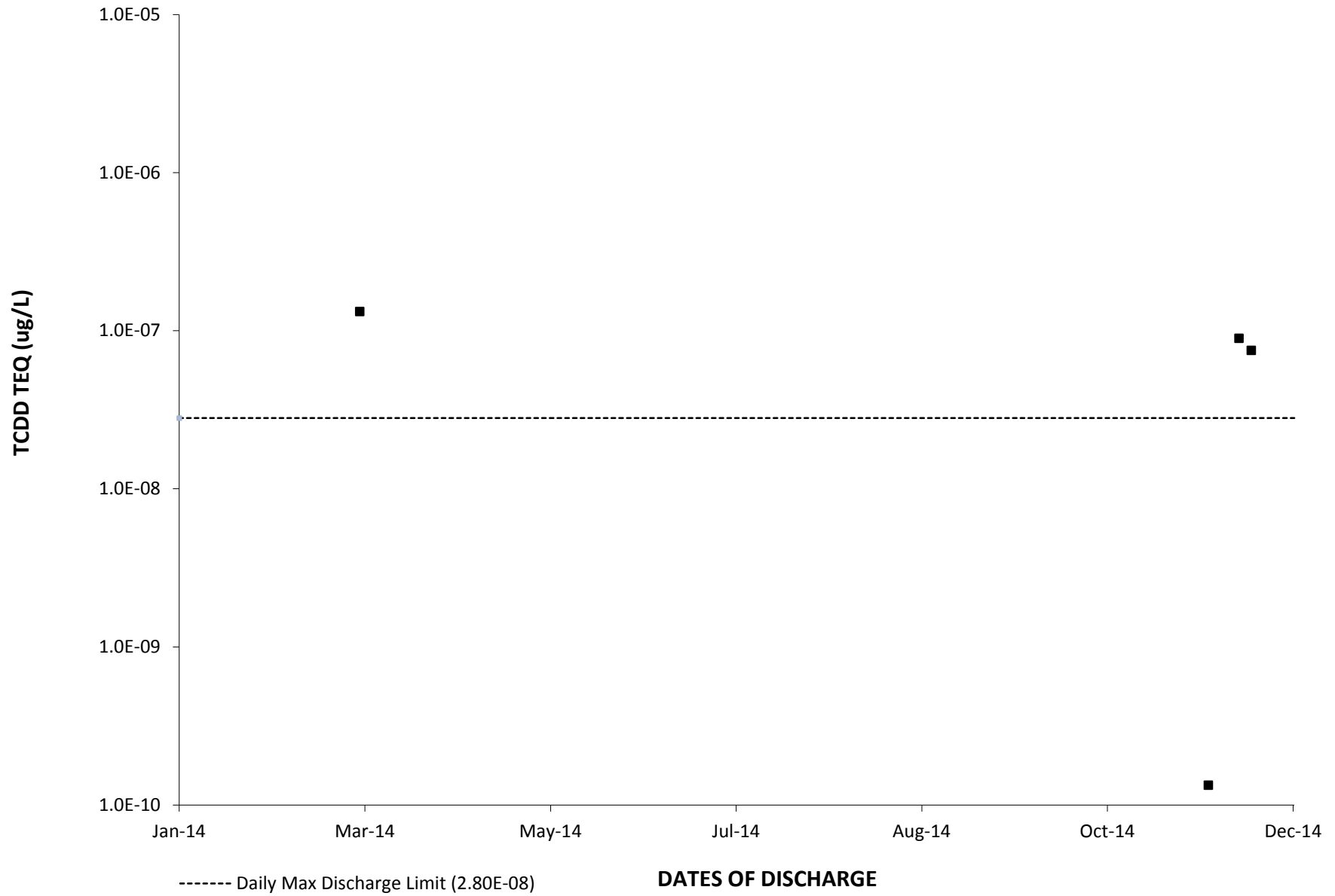
2014: OUTFALL 009 TEMPERATURE, FIELD DAILY VALUE



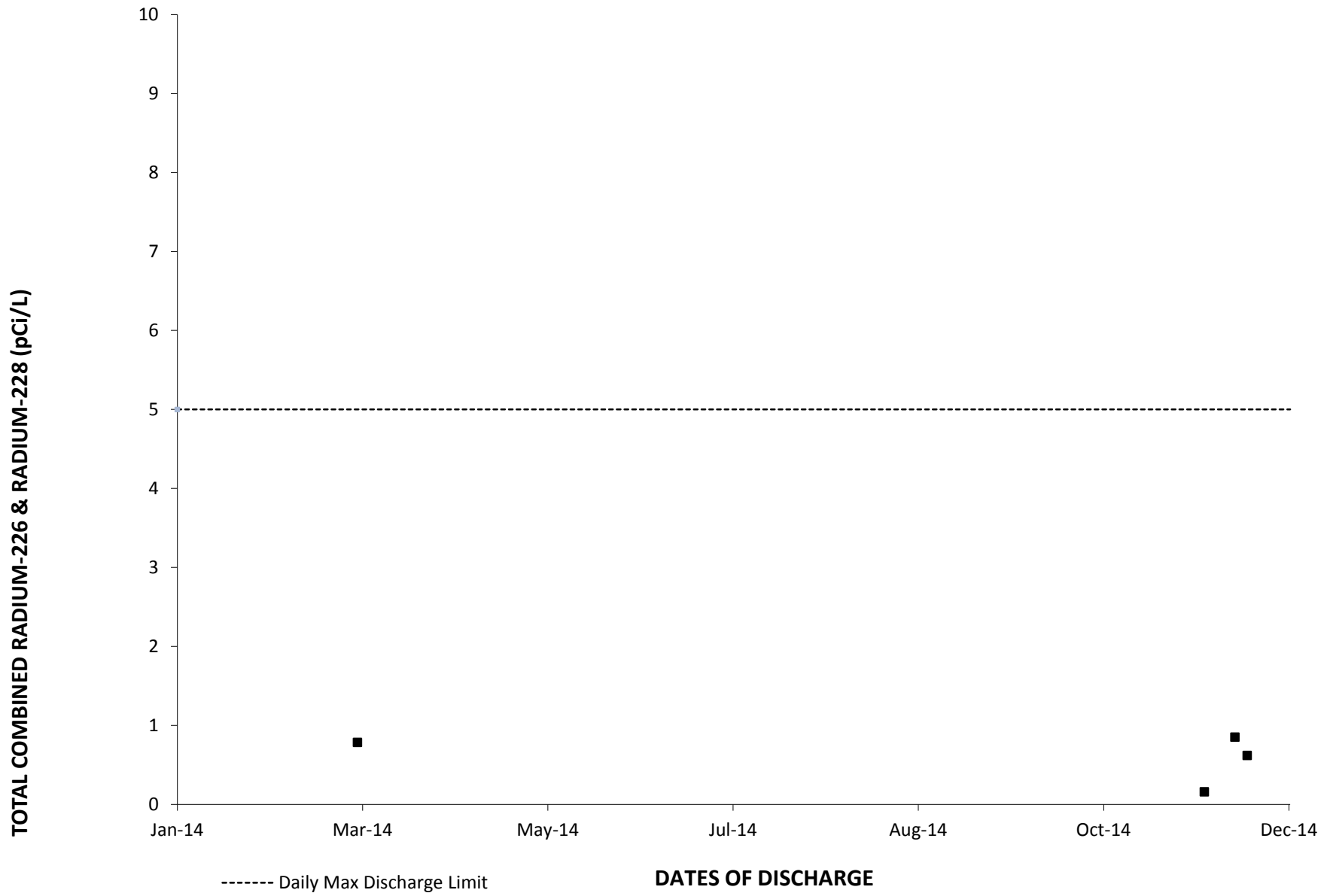
2014: OUTFALL 009 TOTAL DISSOLVED SOLIDS (TDS) DAILY VALUE



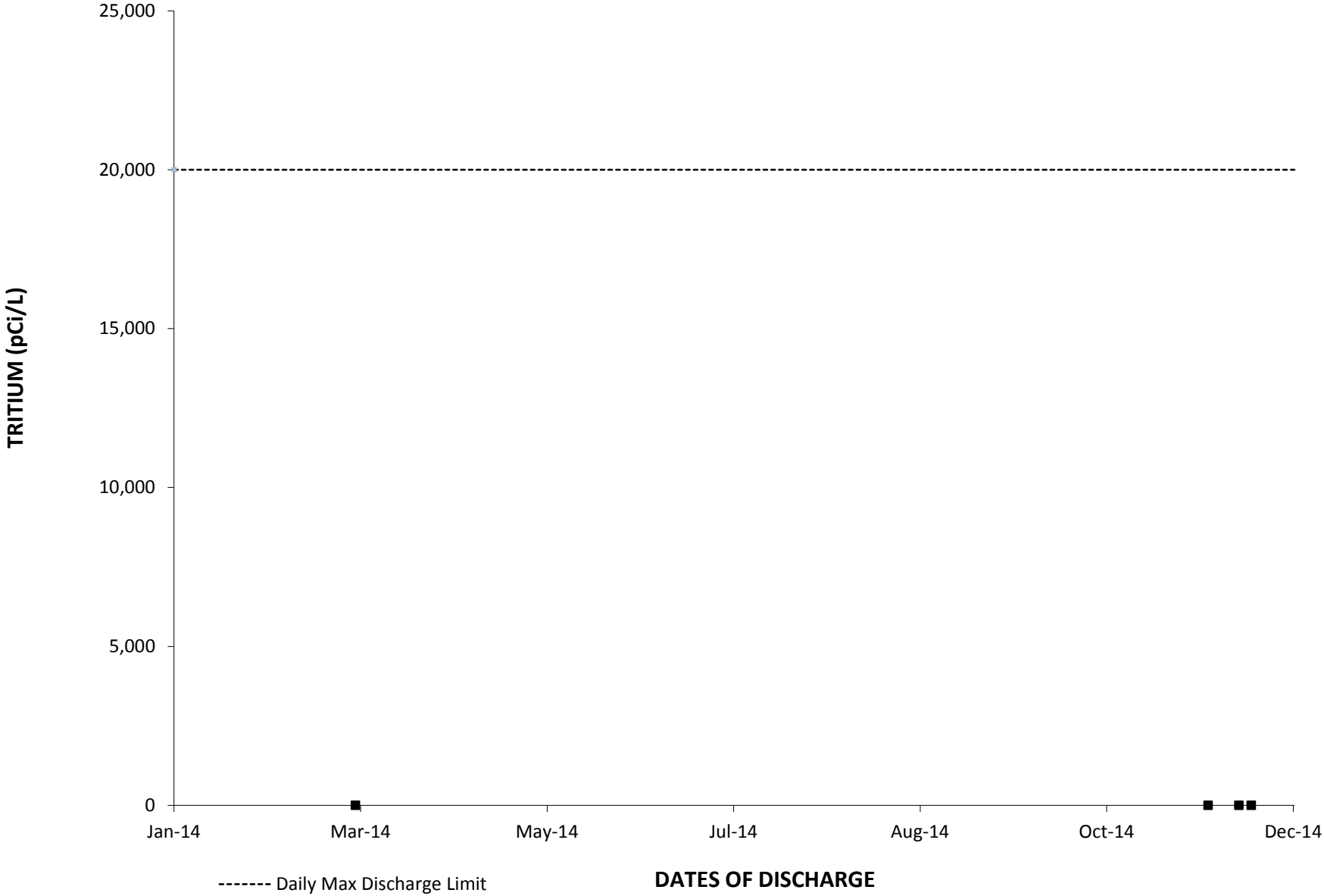
2014: OUTFALL 009 TCDD TEQ DAILY VALUE



2014: OUTFALL 009 TOTAL COMBINED RADIUM-226 & RADIUM-228 DAILY VALUE

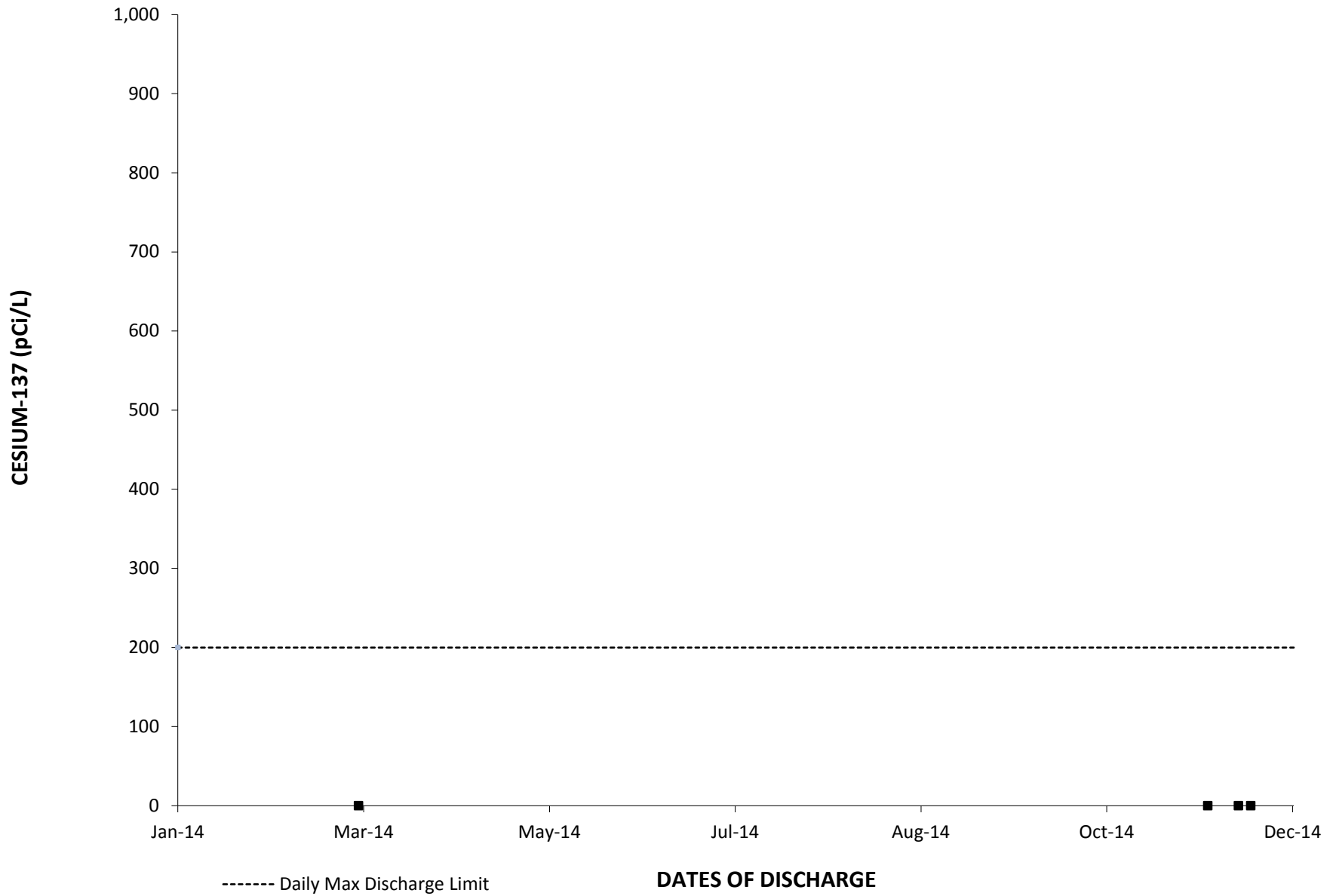


2014: OUTFALL 009 TRITIUM DAILY VALUE

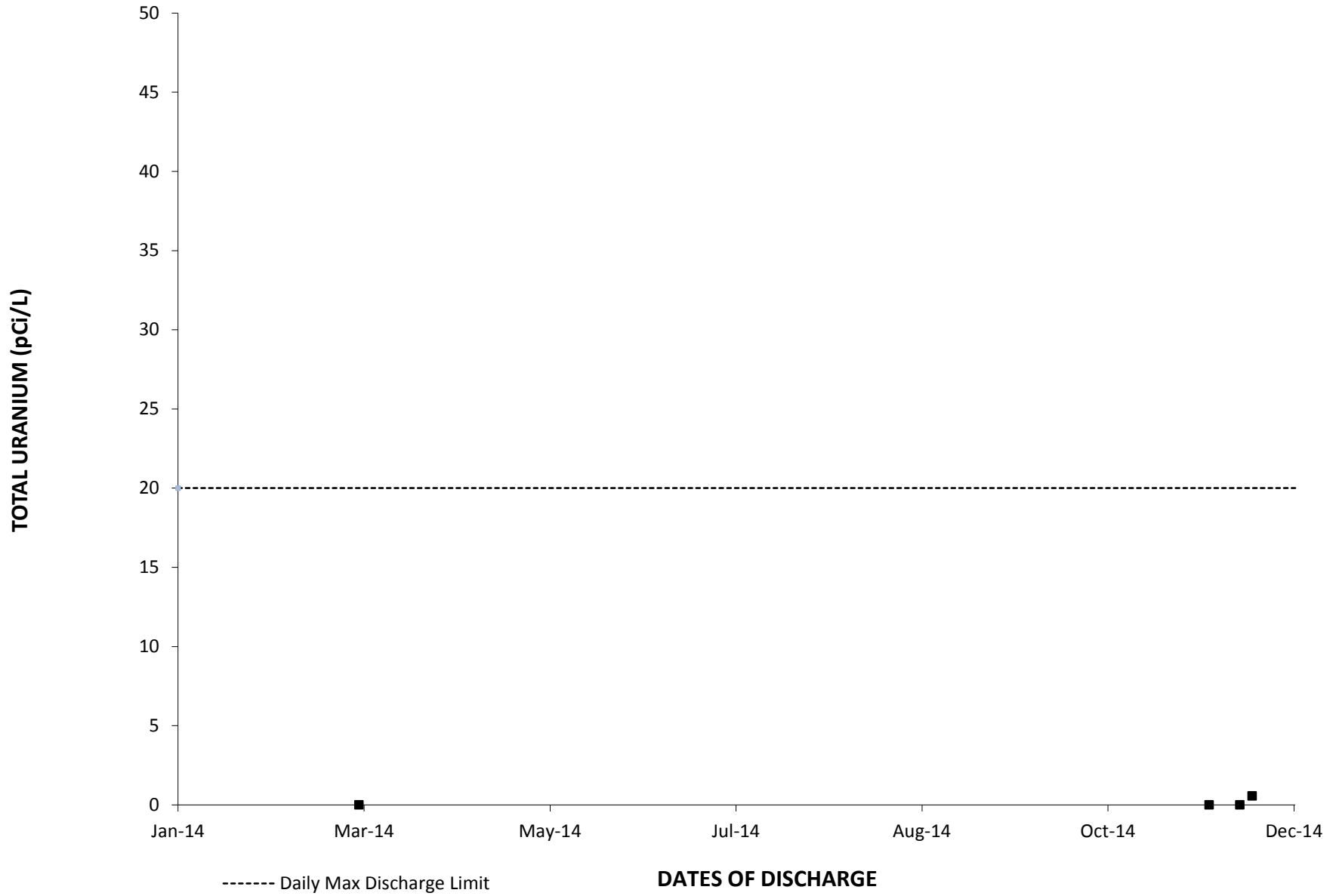


ADDITIONAL POLLUTANTS

2014: OUTFALL 009 CESIUM-137 DAILY VALUE



2014: OUTFALL 009 TOTAL URANIUM DAILY VALUE



APPENDIX F

Outfall 010 – Building 203

OUTFALL 010 (BUILDING 203)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

				2/28/2014 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.00082105	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.3	U
pH (Field)	pH units	6.5-8.5/-	1/Discharge	Grab	7.38	*
PRIORITY POLLUTANTS						
Antimony	ug/L	6.0/-	1/Discharge	Grab	0.7	J (DNQ)
Cadmium	ug/L	4.0/-	1/Discharge	Grab	ND < 0.25	U
Copper	ug/L	14/-	1/Discharge	Grab	12	--
Lead	ug/L	5.2/-	1/Discharge	Grab	5.6	--
Mercury	ug/L	0.13/-	1/Discharge	Grab	ND < 0.1	U
Nickel	ug/L	100/-	1/Year	Grab	7.9	J (DNQ)
Selenium	ug/L	-/-	1/Discharge	Grab	ND < 0.5	U
Thallium	ug/L	2.0/-	1/Discharge	Grab	ND < 0.5	U
Total Cyanide	ug/L	9.5/-	1/Discharge	Grab	ND < 3	U
Zinc	ug/L	-/-	1/Discharge	Grab	62	--
NON-CONVENTIONAL POLLUTANTS						
Acute Toxicity	% SURVIVAL	70-90/-	1/Year	Grab	100	*
Boron	mg/L	1.0/-	1/Year	Grab	0.097	--
Chloride	mg/L	150/-	1/Discharge	Grab	6.3	--
Chronic Toxicity	TUC	1/-	1st & 2nd rain event/Year	Grab	1.0	*
Fluoride	mg/L	1.6/-	1/Year	Grab	0.12	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Grab	2	--
Perchlorate	ug/L	6.0/-	1/Discharge	Grab	ND < 0.95	U
Sulfate	mg/L	250/-	1/Discharge	Grab	15	--
Temperature (Field)	deg. F	86/-	1/Discharge	Grab	59.2	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Grab	120	--
REMAINING PRIORITY POLLUTANTS						
1,1,1-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,2-Trichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,1-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
1,2-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.5	U
1,2-Dichloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Dichloropropane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
1,3-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
1,4-Dichlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 010 (BUILDING 203)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2,4,6-Trichlorophenol	ug/L	-/-	1/Year	Grab	ND < 0.474	U
2,4-Dichlorophenol	ug/L	-/-	1/Year	Grab	ND < 0.948	U
2,4-Dimethylphenol	ug/L	-/-	1/Year	Grab	ND < 0.948	U
2,4-Dinitrophenol	ug/L	-/-	1/Year	Grab	ND < 1.9	U
2,4-Dinitrotoluene	ug/L	-/-	1/Year	Grab	ND < 1.9	U
2,6-Dinitrotoluene	ug/L	-/-	1/Year	Grab	ND < 1.9	U
2-Chloroethylvinylether	ug/L	-/-	1/Year	Grab	ND < 1	U
2-Chloronaphthalene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
2-Chlorophenol	ug/L	-/-	1/Year	Grab	ND < 0.474	U
2-Methyl-4,6-Dinitrophenol	ug/L	-/-	1/Year	Grab	ND < 1.9	U
2-Nitrophenol	ug/L	-/-	1/Year	Grab	ND < 0.948	U
3,3'-Dichlorobenzidine	ug/L	-/-	1/Year	Grab	ND < 1.9	U
4,4'-DDD	ug/L	-/-	1/Year	Grab	ND < 0.0038	U
4,4'-DDE	ug/L	-/-	1/Year	Grab	ND < 0.0028	U
4,4'-DDT	ug/L	-/-	1/Year	Grab	ND < 0.0038	U
4-Bromophenylphenylether	ug/L	-/-	1/Year	Grab	ND < 0.474	U
4-Chloro-3-methylphenol	ug/L	-/-	1/Year	Grab	ND < 0.19	U
4-Chlorophenylphenylether	ug/L	-/-	1/Year	Grab	ND < 0.19	U
4-Nitrophenol	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Acenaphthene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Acenaphthylene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Acrolein	ug/L	-/-	1/Year	Grab	ND < 2.5	U
Acrylonitrile	ug/L	-/-	1/Year	Grab	ND < 1	U
Aldrin	ug/L	-/-	1/Year	Grab	ND < 0.0014	U
alpha-BHC	ug/L	-/-	1/Year	Grab	ND < 0.0024	U
Anthracene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Aroclor 1016	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1221	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1232	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1242	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1248	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1254	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Aroclor 1260	ug/L	-/-	1/Year	Grab	ND < 0.24	U
Arsenic	ug/L	-/-	1/Year	Grab	ND < 7	U
Benzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	ug/L	-/-	1/Year	Grab	ND < 4.74	U
Benzo(a)anthracene	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Benzo(a)pyrene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Benzo(b)fluoranthene	ug/L	-/-	1/Year	Grab	ND < 0.948	U
Benzo(g,h,i)Perylene	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Benzo(k)fluoranthene	ug/L	-/-	1/Year	Grab	ND < 0.237	U
Beryllium	ug/L	-/-	1/Year	Grab	1.2	J (DNQ)

OUTFALL 010 (BUILDING 203)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
beta-BHC	ug/L	-/-	1/Year	Grab	ND < 0.0038	U
Bis (2-Chloroethoxy) Methane	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Bis (2-Chloroethyl) Ether	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Bis (2-Chloroisopropyl) Ether	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Bis (2-Ethylhexyl) Phthalate	ug/L	-/-	1/Year	Grab	6.71	--
Bromodichloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Bromomethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Carbon Tetrachloride	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	ug/L	-/-	1/Year	Grab	ND < 0.075	U
Chlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroform	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	ug/L	-/-	1/Year	Grab	9.7	--
Chromium VI	ug/L	-/-	1/Year	Grab	0.47	J (DNQ)
Chrysene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
cis-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	ug/L	-/-	1/Year	Grab	ND < 0.0033	U
Dibenzo(a,h)anthracene	ug/L	-/-	1/Year	Grab	ND < 0.237	U
Dibromochloromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	ug/L	-/-	1/Year	Grab	ND < 0.0019	U
Diethylphthalate	ug/L	-/-	1/Year	Grab	0.887	J (DNQ)
Dimethylphthalate	ug/L	-/-	1/Year	Grab	0.501	--
Di-n-butylphthalate	ug/L	-/-	1/Year	Grab	ND < 0.948	U
Di-n-octylphthalate	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Endosulfan I	ug/L	-/-	1/Year	Grab	ND < 0.0028	U
Endosulfan II	ug/L	-/-	1/Year	Grab	ND < 0.0019	U
Endosulfan Sulfate	ug/L	-/-	1/Year	Grab	ND < 0.0028	U
Endrin	ug/L	-/-	1/Year	Grab	ND < 0.0019	U
Endrin Aldehyde	ug/L	-/-	1/Year	Grab	ND < 0.0019	U
Ethylbenzene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Fluorene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Heptachlor	ug/L	-/-	1/Year	Grab	ND < 0.0028	U
Heptachlor Epoxide	ug/L	-/-	1/Year	Grab	ND < 0.0024	U
Hexachlorobenzene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Hexachlorobutadiene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Hexachlorocyclopentadiene	ug/L	-/-	1/Year	Grab	ND < 1.9	U
Hexachloroethane	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	1/Year	Grab	ND < 0.948	U

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

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				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Isophorone	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Lindane (gamma-BHC)	ug/L	-/-	1/Year	Grab	ND < 0.0028	U
Methylene chloride	ug/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Nitrobenzene	ug/L	-/-	1/Year	Grab	ND < 0.474	U
N-Nitrosodimethylamine	ug/L	-/-	1/Year	Grab	ND < 0.948	U
N-Nitroso-di-n-propylamine	ug/L	-/-	1/Year	Grab	ND < 0.948	U
N-Nitrosodiphenylamine	ug/L	-/-	1/Year	Grab	ND < 0.474	U
Pentachlorophenol	ug/L	-/-	1/Year	Grab	ND < 0.948	U
Phenanthrene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Phenol	ug/L	-/-	1/Year	Grab	5.8	--
Pyrene	ug/L	-/-	1/Year	Grab	ND < 0.19	U
Silver	ug/L	-/-	1/Year	Grab	ND < 0.5	U
Tetrachloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Toluene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Toxaphene	ug/L	-/-	1/Year	Grab	ND < 0.24	U
trans-1,2-Dichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
trans-1,3-Dichloropropene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Trichloroethene	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Vinyl chloride	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Xylenes (Total)	ug/L	-/-	1/Year	Grab	ND < 0.5	U
EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS						
Aluminum	ug/L	-/-	1/Year	Grab	6,100	--
Chlorpyrifos	ug/L	-/-	1/Year	Grab	ND < 0.077	U
Diazinon	ug/L	-/-	1/Year	Grab	ND < 0.096	U (H,I)
E. Coli	MPN/100mL	-/-	1/Year	Grab	350	--
Fecal Coliform	MPN/100mL	-/-	1/Year	Grab	350	--
Hardness	mg/L	-/-	1/Year	Grab	56	--
Iron	mg/L	-/-	1/Year	Grab	7.8	--
Total Suspended Solids	mg/L	-/-	1/Year	Grab	160	--
Trichlorofluoromethane	ug/L	-/-	1/Year	Grab	ND < 0.25	U
Vanadium	ug/L	-/-	1/Year	Grab	17	--
ADDITIONAL POLLUTANTS						
Aluminum, dissolved	ug/L	-/-	Additional	Grab	150	--
Antimony, dissolved	ug/L	-/-	Additional	Grab	ND < 0.5	U
Arsenic, dissolved	ug/L	-/-	Additional	Grab	ND < 7	U
Beryllium, dissolved	ug/L	-/-	Additional	Grab	ND < 0.9	U
Boron, dissolved	mg/L	-/-	Additional	Grab	0.1	--
Cadmium, dissolved	ug/L	-/-	Additional	Grab	ND < 0.25	U
Chromium, dissolved	ug/L	-/-	Additional	Grab	ND < 2	U
Copper, dissolved	ug/L	-/-	Additional	Grab	3.6	--
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	5.85	*

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness, dissolved	mg/L	-/-	Additional	Grab	31	--
Iron, dissolved	mg/L	-/-	Additional	Grab	0.11	--
Lead, dissolved	ug/L	-/-	Additional	Grab	ND < 0.5	U
Mercury, dissolved	ug/L	-/-	Additional	Grab	ND < 0.1	UJ (R)
Nickel, dissolved	ug/L	-/-	Additional	Grab	2.2	J (DNQ)
Selenium, dissolved	ug/L	-/-	Additional	Grab	ND < 0.5	U
Silver, dissolved	ug/L	-/-	Additional	Grab	ND < 0.5	U
Thallium, dissolved	ug/L	-/-	Additional	Grab	ND < 0.5	U
Vanadium, dissolved	ug/L	-/-	Additional	Grab	ND < 3	U
Zinc, Dissolved	ug/L	-/-	Additional	Grab	ND < 12	U (B)

OUTFALL 010 (BUILDING 203)

ANNUAL 2014 REPORTING SUMMARY
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SANTA SUSANA FIELD LABORATORY
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Sample Type Composite
Sample Date February 28, 2014

ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	6.00E-06	5.00E-05	7.19E-05	--	0.01	0.05	3.60E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.00E-06	5.00E-05	1.47E-05	J (DNQ)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-06	5.00E-05	3.86E-06	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.00E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.00E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.00E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	6.00E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.20E-05	1.00E-04	7.64E-04	--	0.0001	0.01	7.64E-10
OCDF	1/Discharge	1.20E-05	1.00E-04	4.35E-05	J (DNQ)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	3.67E-08
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.80E-08

OUTFALL 010 (BUILDING 203)

ANNUAL 2014 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/28/2014 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
NON-CONVENTIONAL POLLUTANTS						
Gross Alpha	pCi/L	15/-	1/Discharge	1.38 ± 1.19	1.79	UJ (C)
Gross Beta	pCi/L	50/-	1/Discharge	5.02 ± 1.08	1.02	--
Strontium-90	pCi/L	8.0/-	1/Discharge	0.237 ± 0.217	0.349	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.465 ± 0.28	0.0611	--
Tritium	pCi/L	20000/-	1/Discharge	6.31 ± 147	273	U
ADDITIONAL POLLUTANTS						
Cesium 137	pCi/L	200/-	1/Discharge	0.827 ± 6.59	12.2	U
Uranium, Total	pCi/L	20/-	1/Discharge	0.372 ± 0.198	0.164	--
ADDITIONAL POLLUTANTS WITHOUT LIMITS						
Potassium-40	pCi/L	-/-	1/Discharge	-6.27 ± 107	188	U

OUTFALL 010 (BUILDING 203)

ANNUAL 2014 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

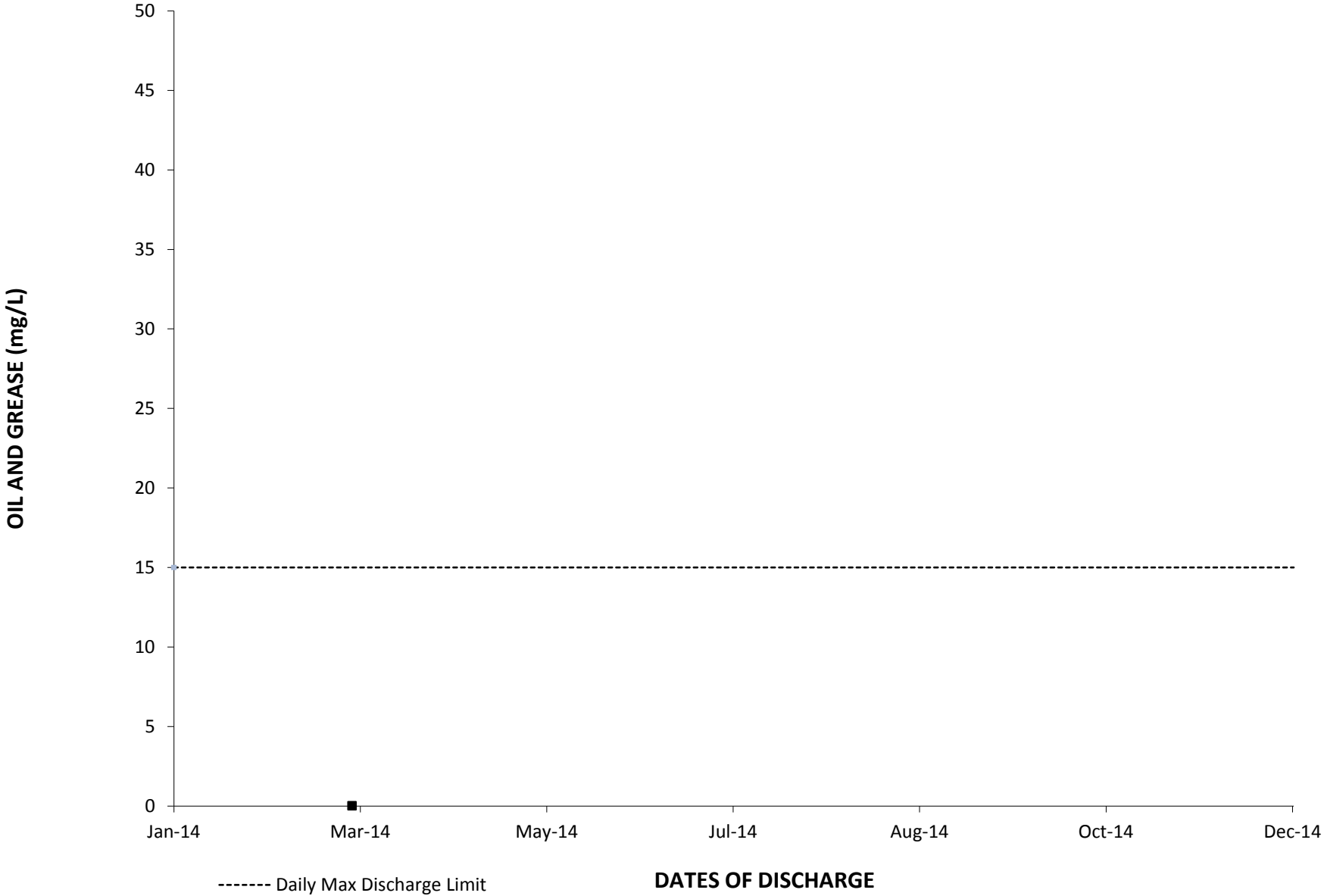
January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Sample Frequency	2/28/2014 (Grab & Composite)		
				Sample Type	Result	Concentration Result Validation Qualifier
Volume Discharged	MGD	17.89/-	1/Discharge	Meas	0.00082105	*
CONVENTIONAL POLLUTANTS						
Oil & Grease	LBS/DAY	2,227/-	1/Discharge	Grab	ND	U
PRIORITY POLLUTANTS						
Antimony	LBS/DAY	0.89/-	1/Discharge	Grab	4.79E-06	J (DNQ)
Cadmium	LBS/DAY	0.59/-	1/Discharge	Grab	ND	U
Copper	LBS/DAY	2.1/-	1/Discharge	Grab	8.22E-05	--
Lead	LBS/DAY	0.77/-	1/Discharge	Grab	3.83E-05	--
Mercury	LBS/DAY	0.02/-	1/Discharge	Grab	ND	U
Nickel	LBS/DAY	14.9/-	1/Year	Grab	5.41E-05	J (DNQ)
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	1/Discharge	Grab	2.51E-13	--
Thallium	LBS/DAY	0.3/-	1/Discharge	Grab	ND	U
Total Cyanide	LBS/DAY	1.4/-	1/Discharge	Grab	ND	U
NON-CONVENTIONAL POLLUTANTS						
Boron	LBS/DAY	148/-	1/Year	Grab	6.64E-04	--
Chloride	LBS/DAY	22,268/-	1/Discharge	Grab	4.31E-02	--
Fluoride	LBS/DAY	238/-	1/Year	Grab	8.22E-04	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	1/Discharge	Grab	1.37E-02	--
Perchlorate	LBS/DAY	0.89/-	1/Discharge	Grab	ND	U
Sulfate	LBS/DAY	37,113/-	1/Discharge	Grab	1.03E-01	--
Total Dissolved Solids	LBS/DAY	126,184/-	1/Discharge	Grab	8.22E-01	--

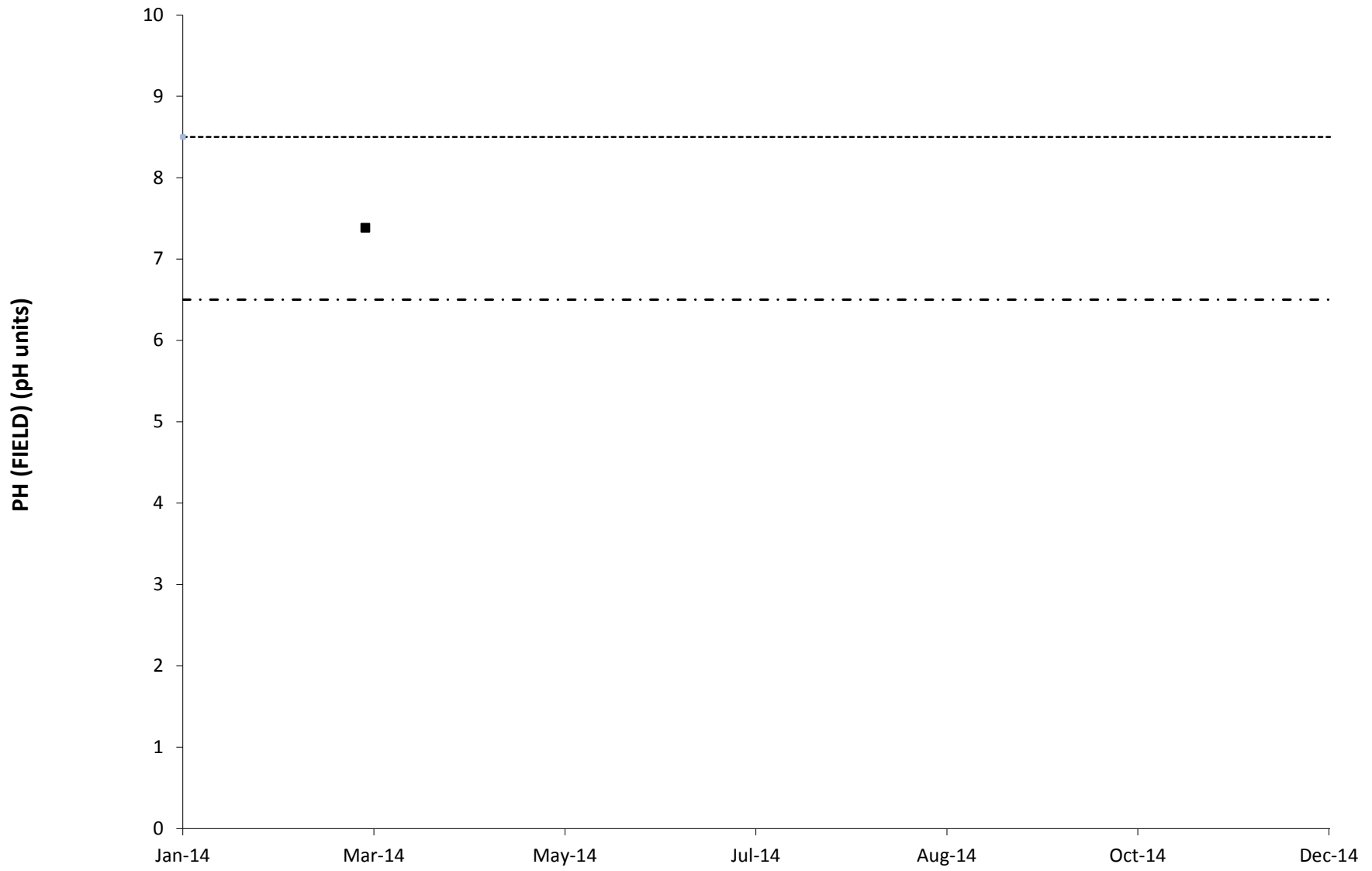
ANALYTICAL RESULT CHARTS

CONVENTIONAL POLLUTANTS

2014: OUTFALL 010 OIL AND GREASE DAILY VALUE



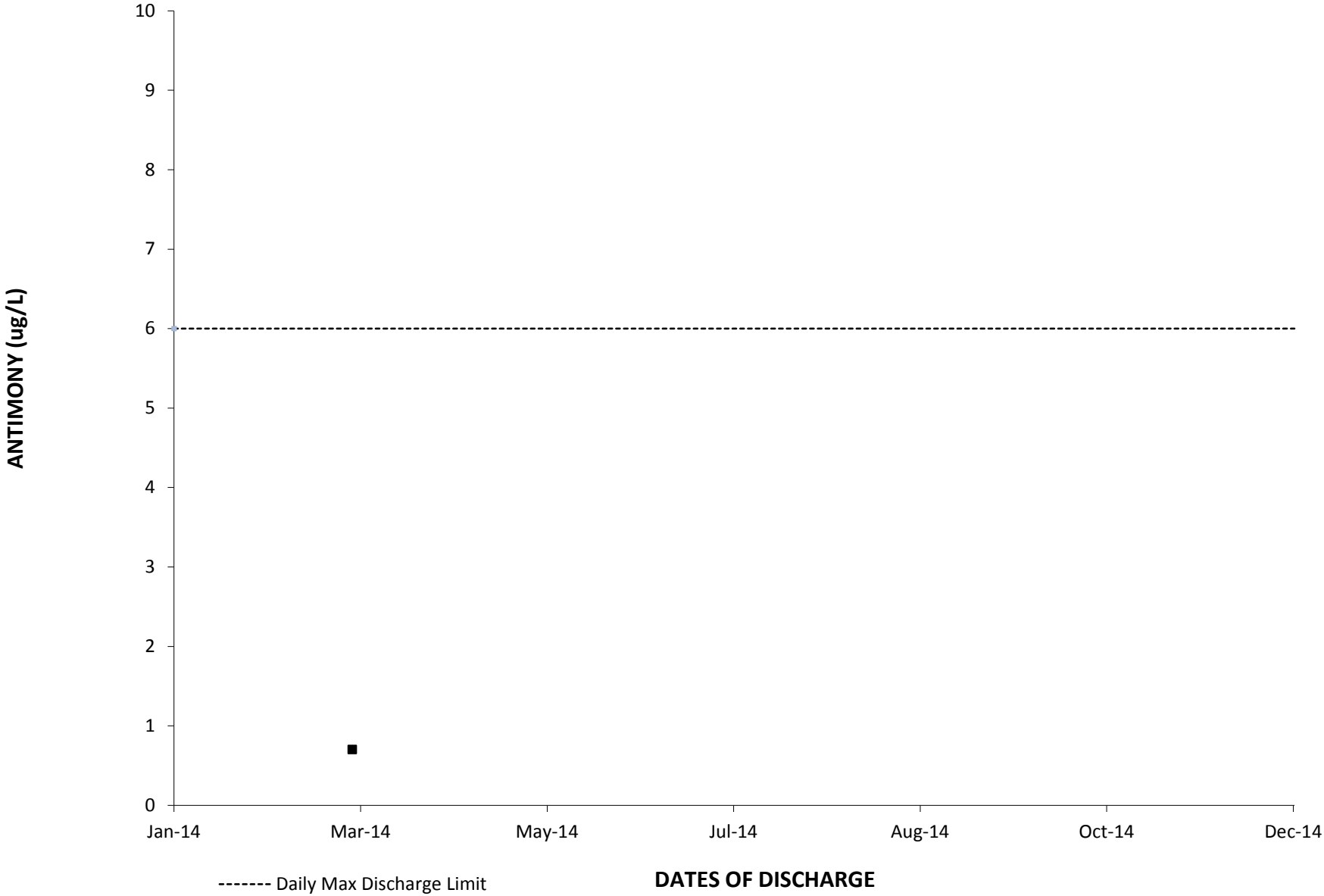
2014: OUTFALL 010 PH (FIELD) DAILY VALUE



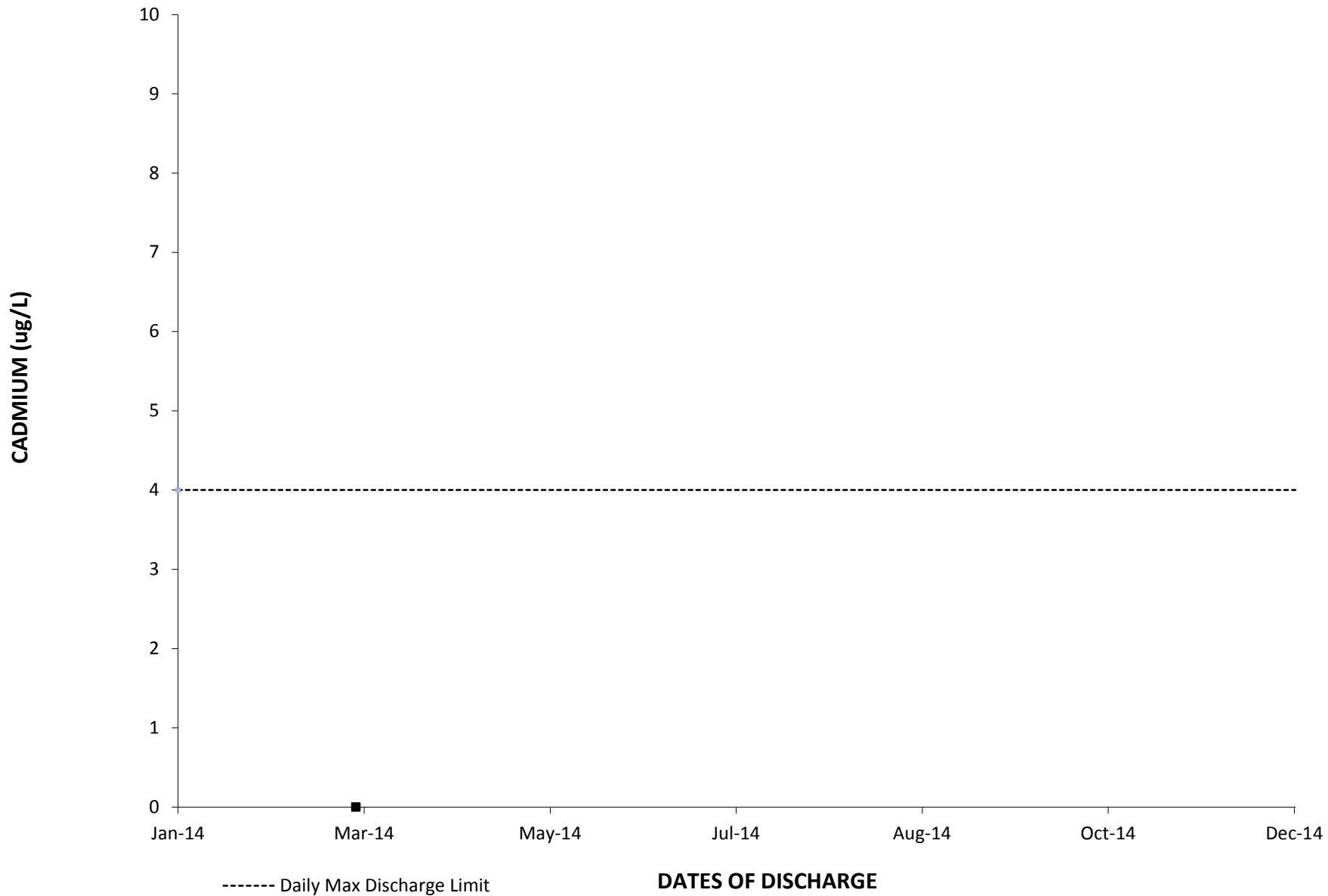
----- Instantaneous Max Discharge Limit - · - · Instantaneous Min Discharge Limit

PRIORITY POLLUTANTS

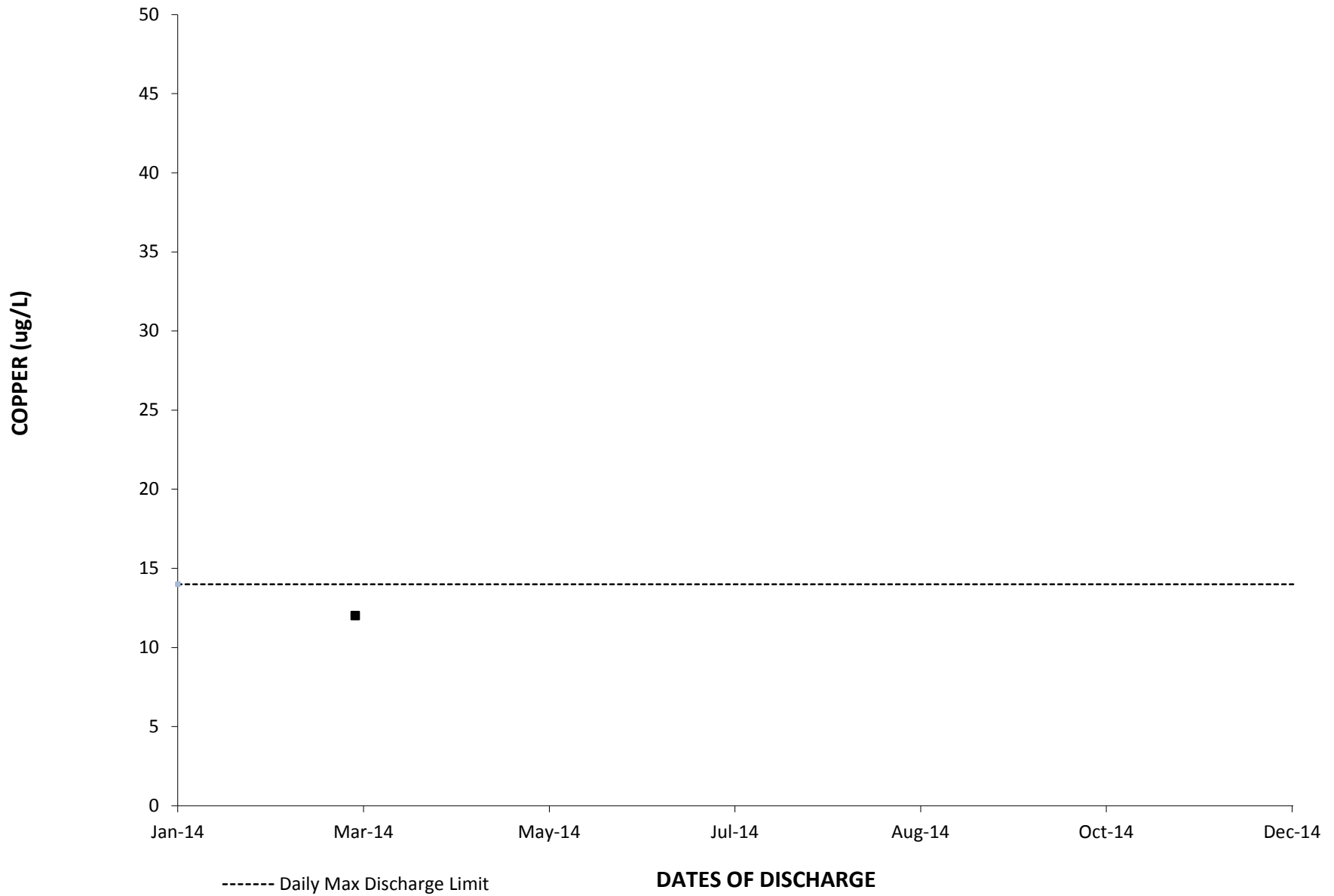
2014: OUTFALL 010 ANTIMONY DAILY VALUE



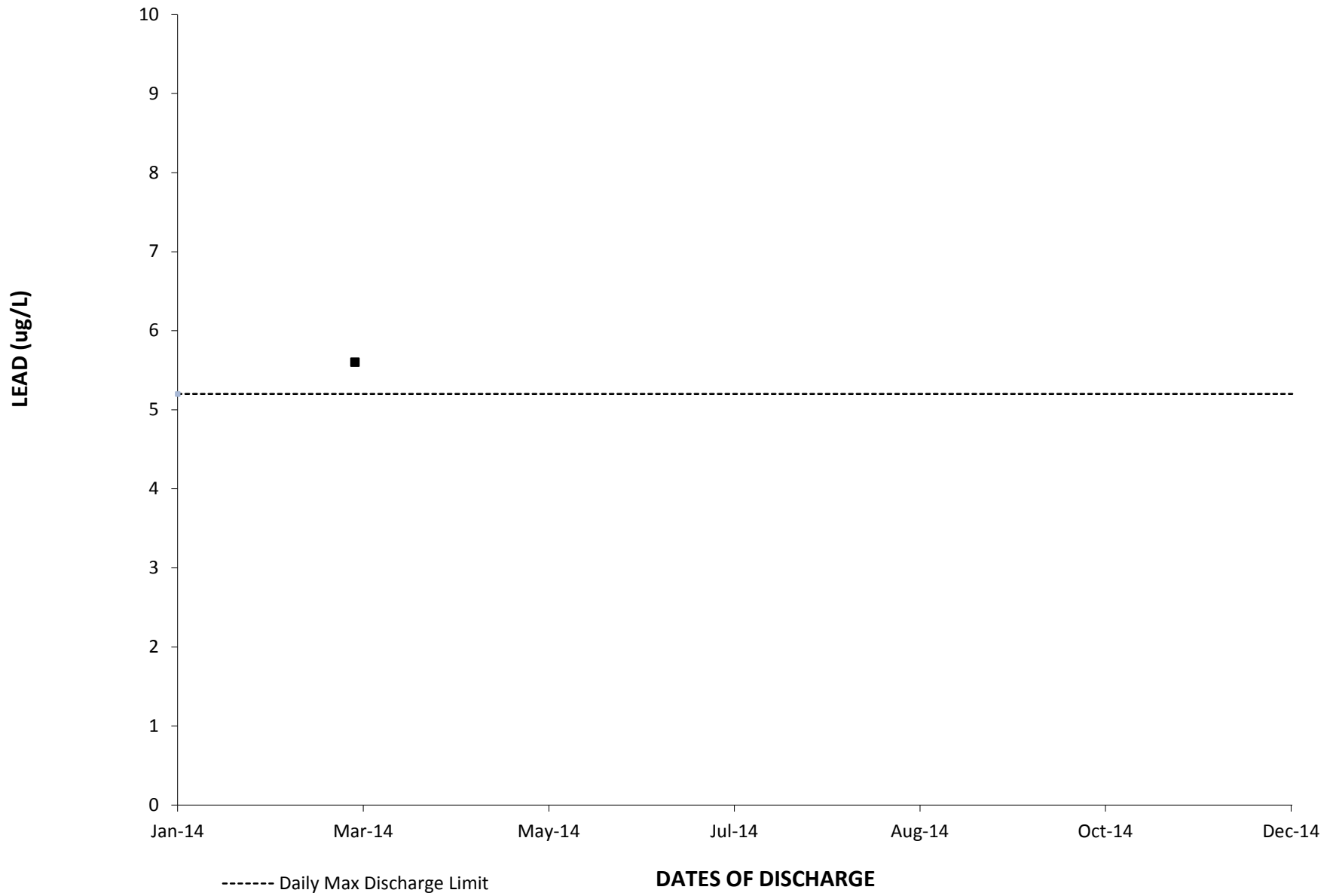
2014: OUTFALL 010 CADMIUM DAILY VALUE



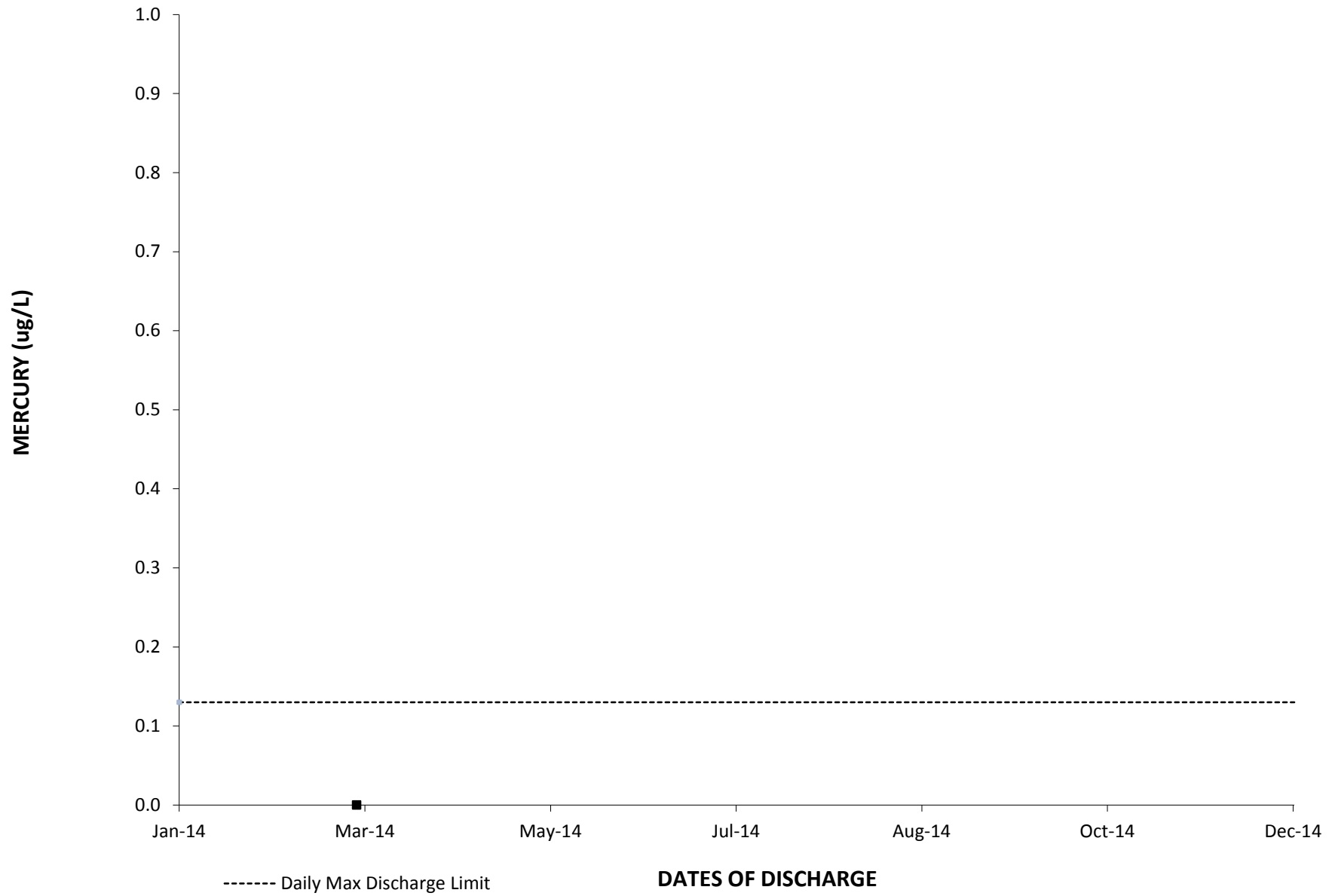
2014: OUTFALL 010 COPPER DAILY VALUE



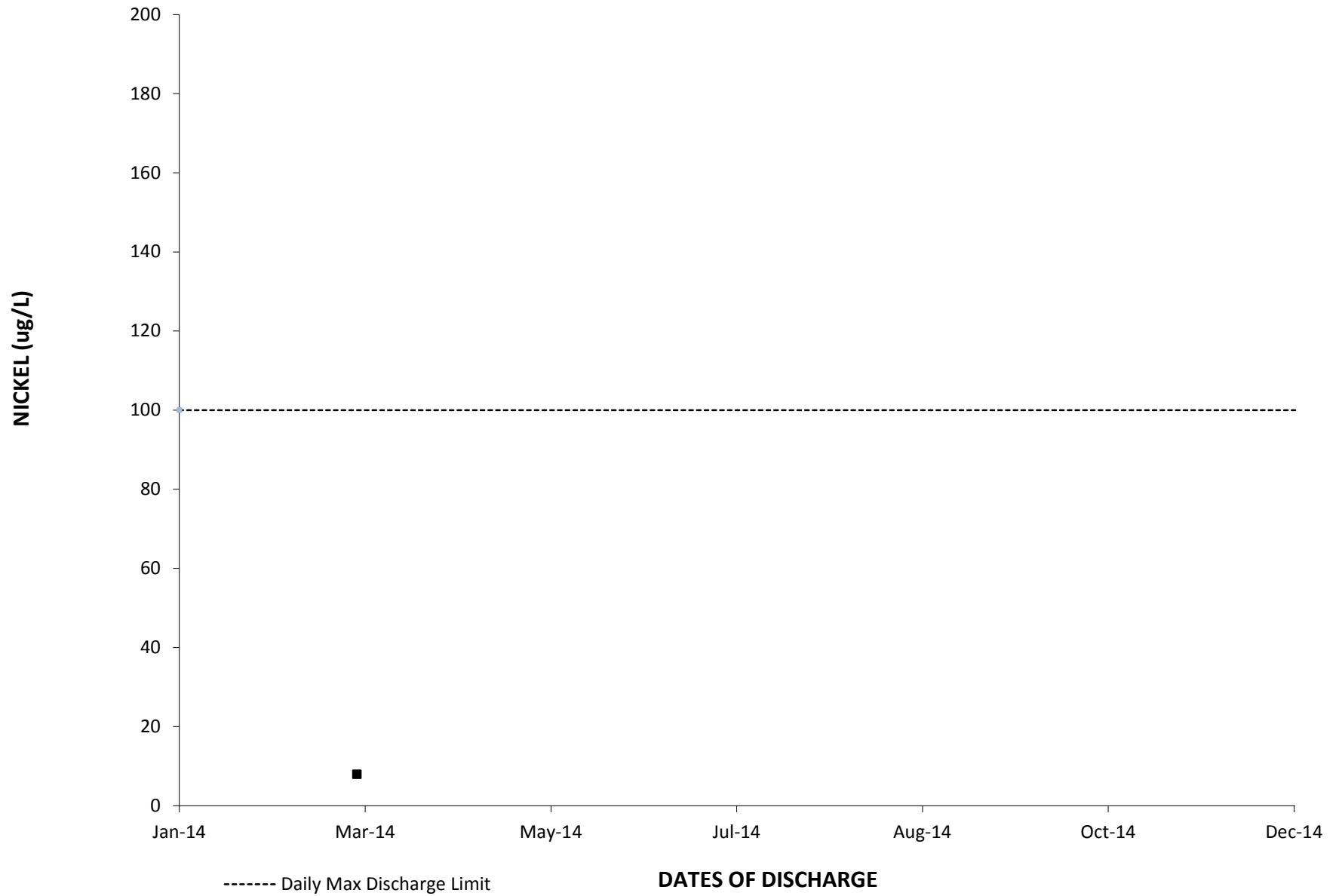
2014: OUTFALL 010 LEAD DAILY VALUE



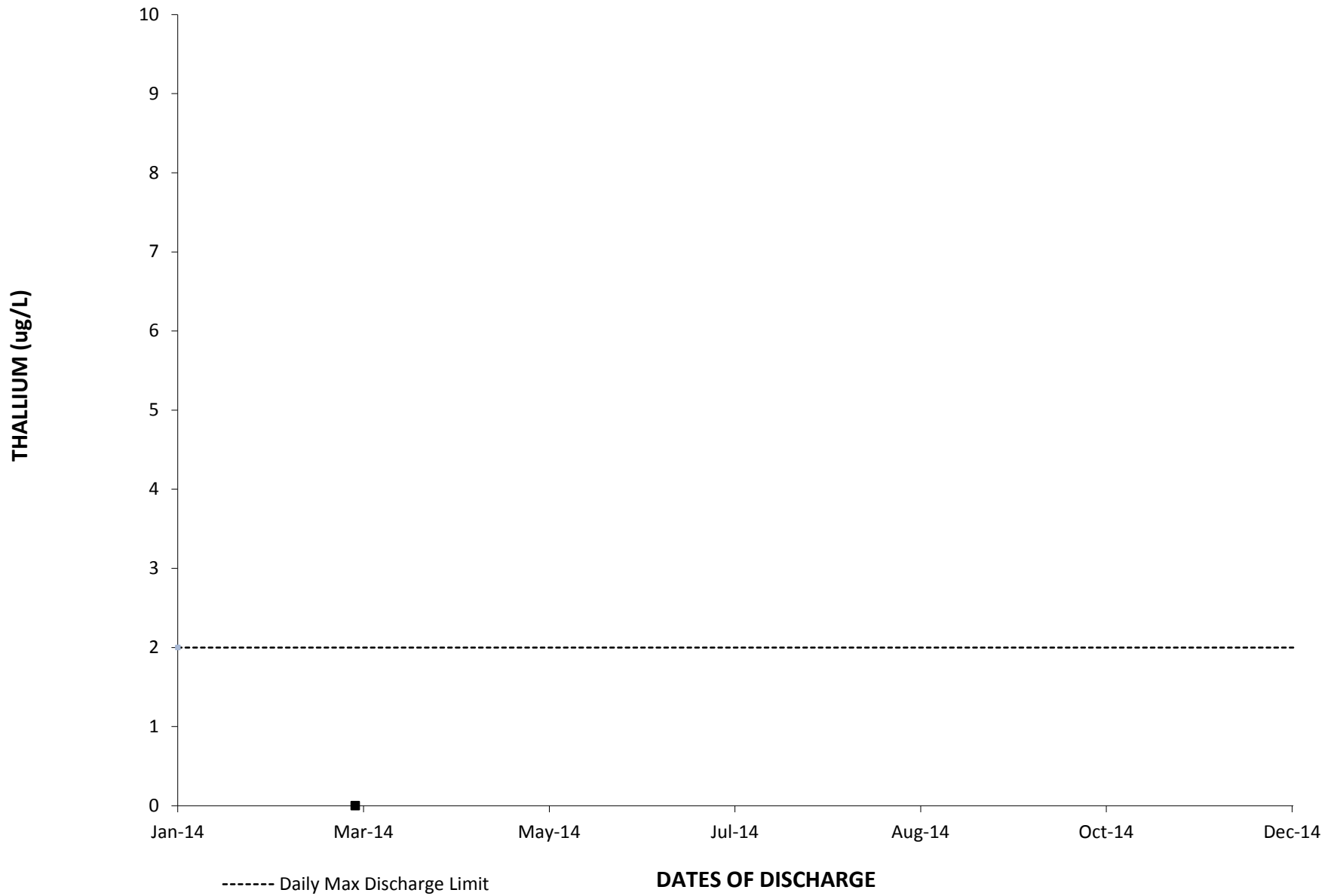
2014: OUTFALL 010 MERCURY DAILY VALUE



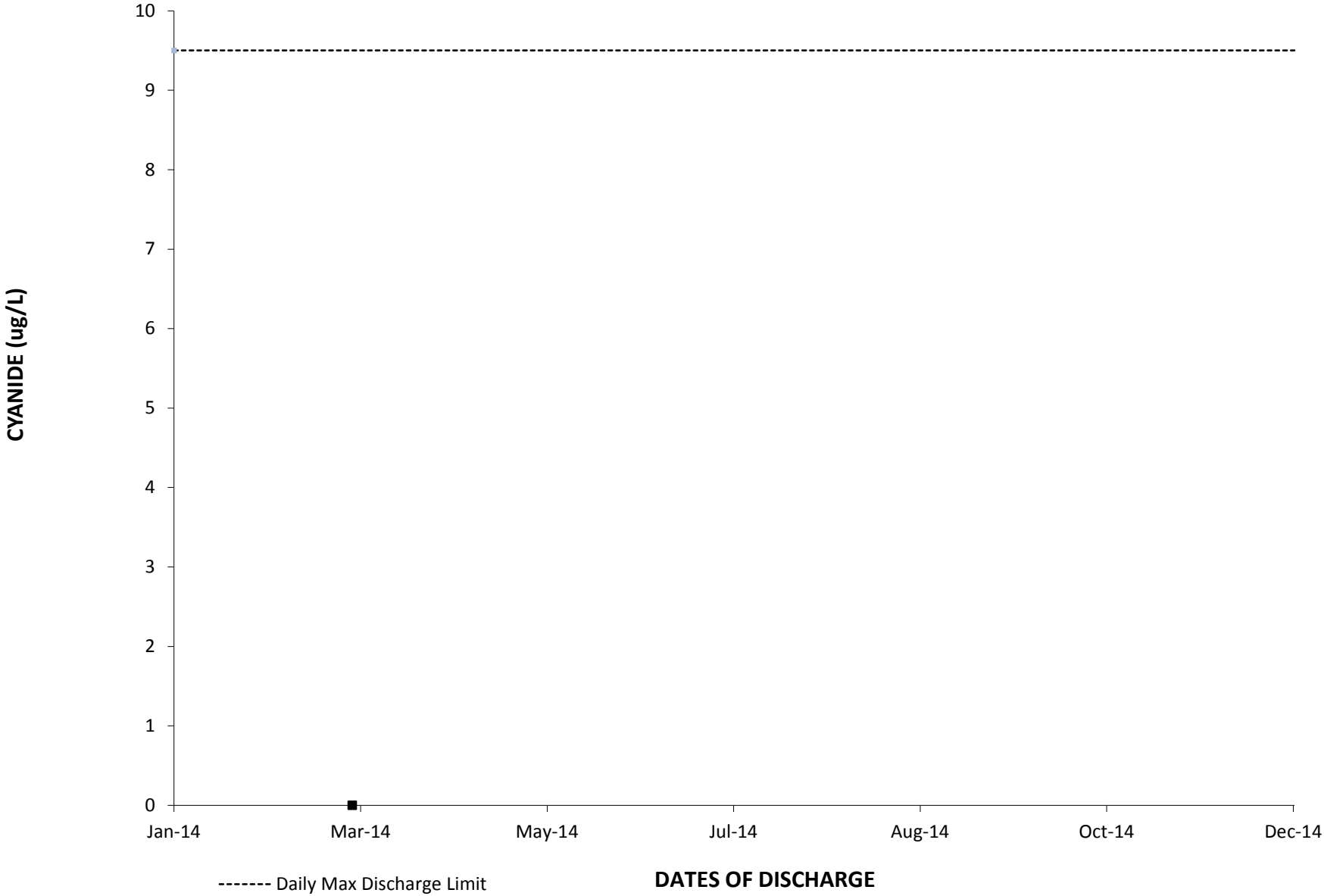
2014: OUTFALL 010 NICKEL DAILY VALUE



2014: OUTFALL 010 THALLIUM DAILY VALUE

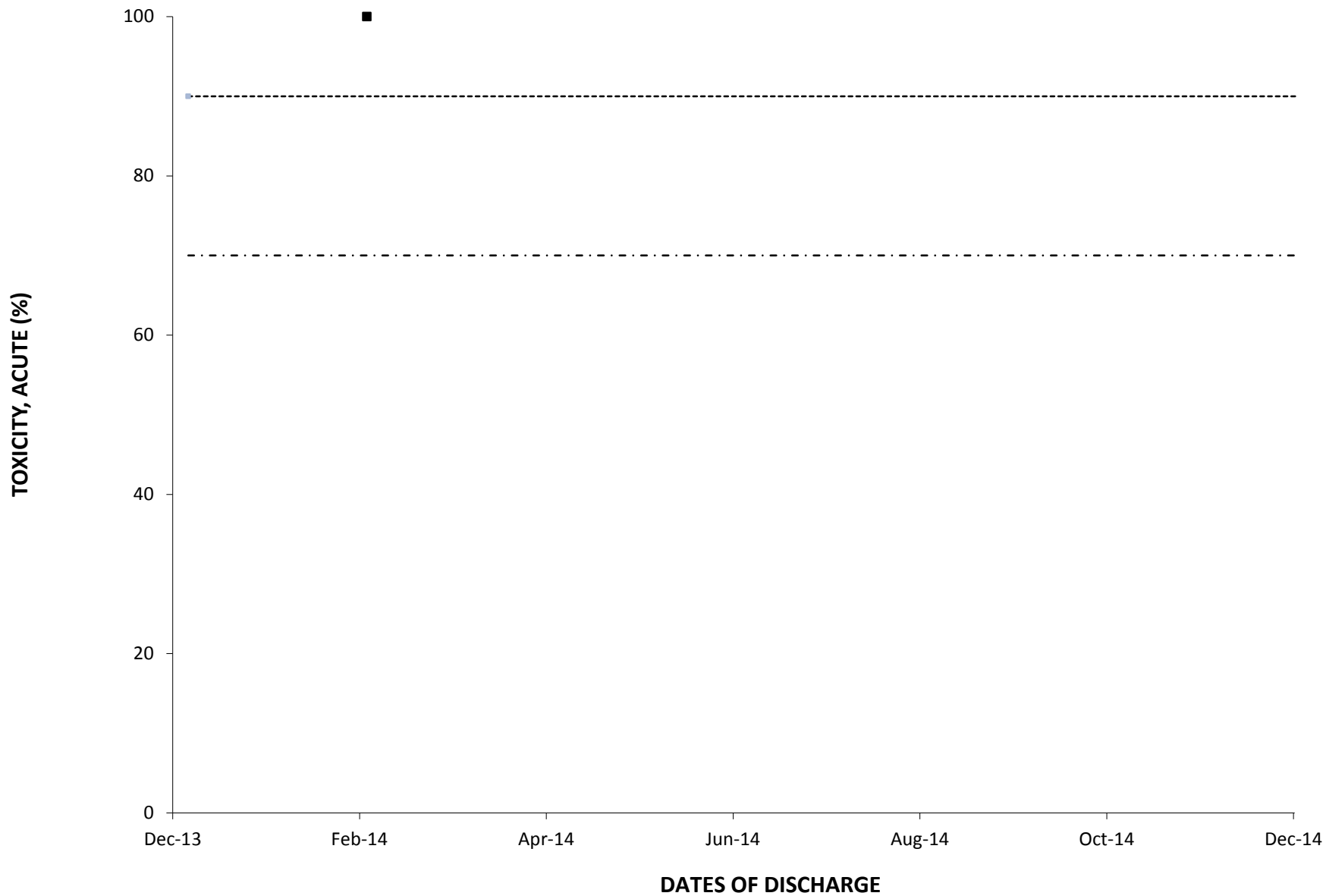


2014: OUTFALL 010 CYANIDE DAILY VALUE



NON-CONVENTIONAL POLLUTANTS

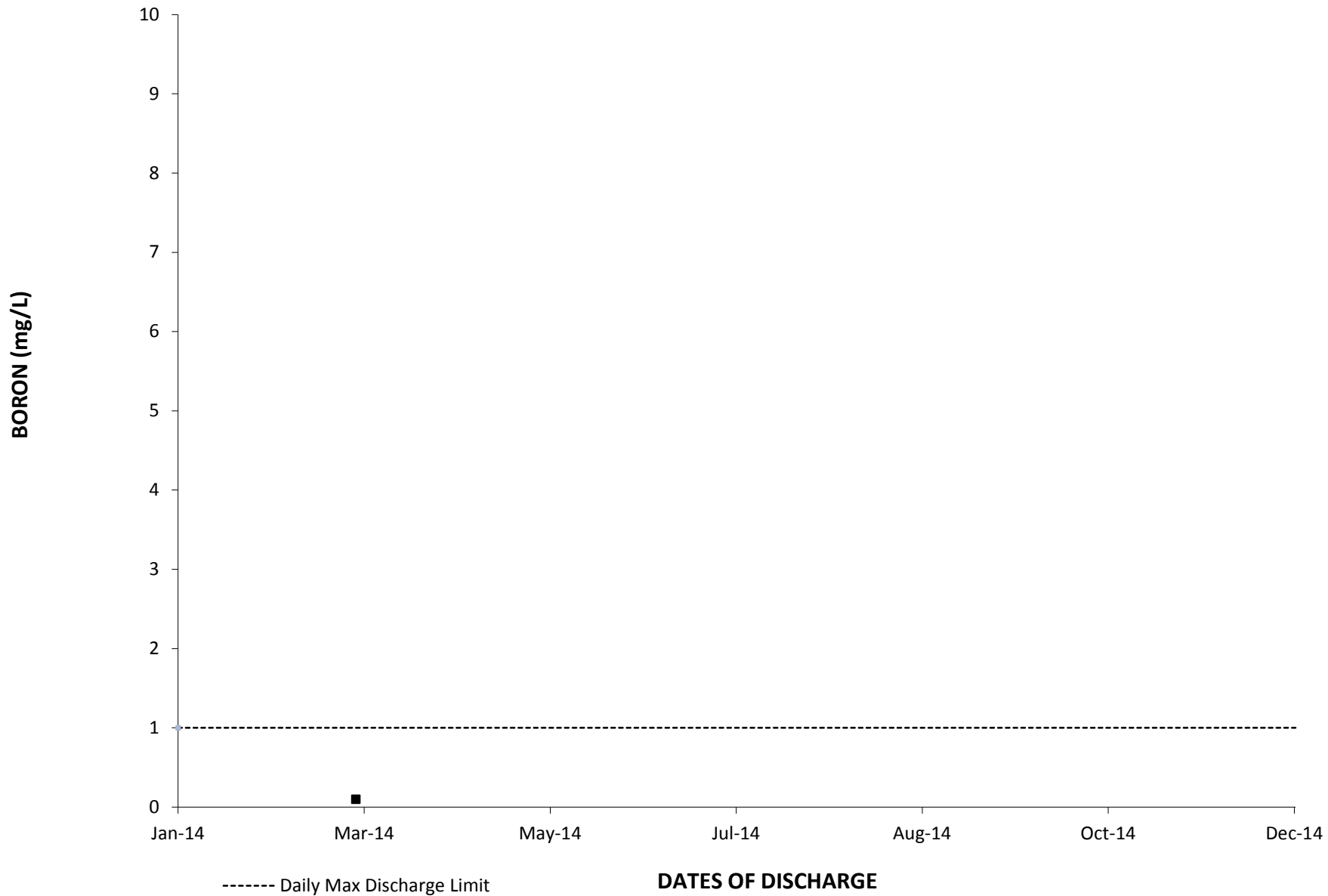
2014: OUTFALL 010 TOXICITY, ACUTE DAILY VALUE



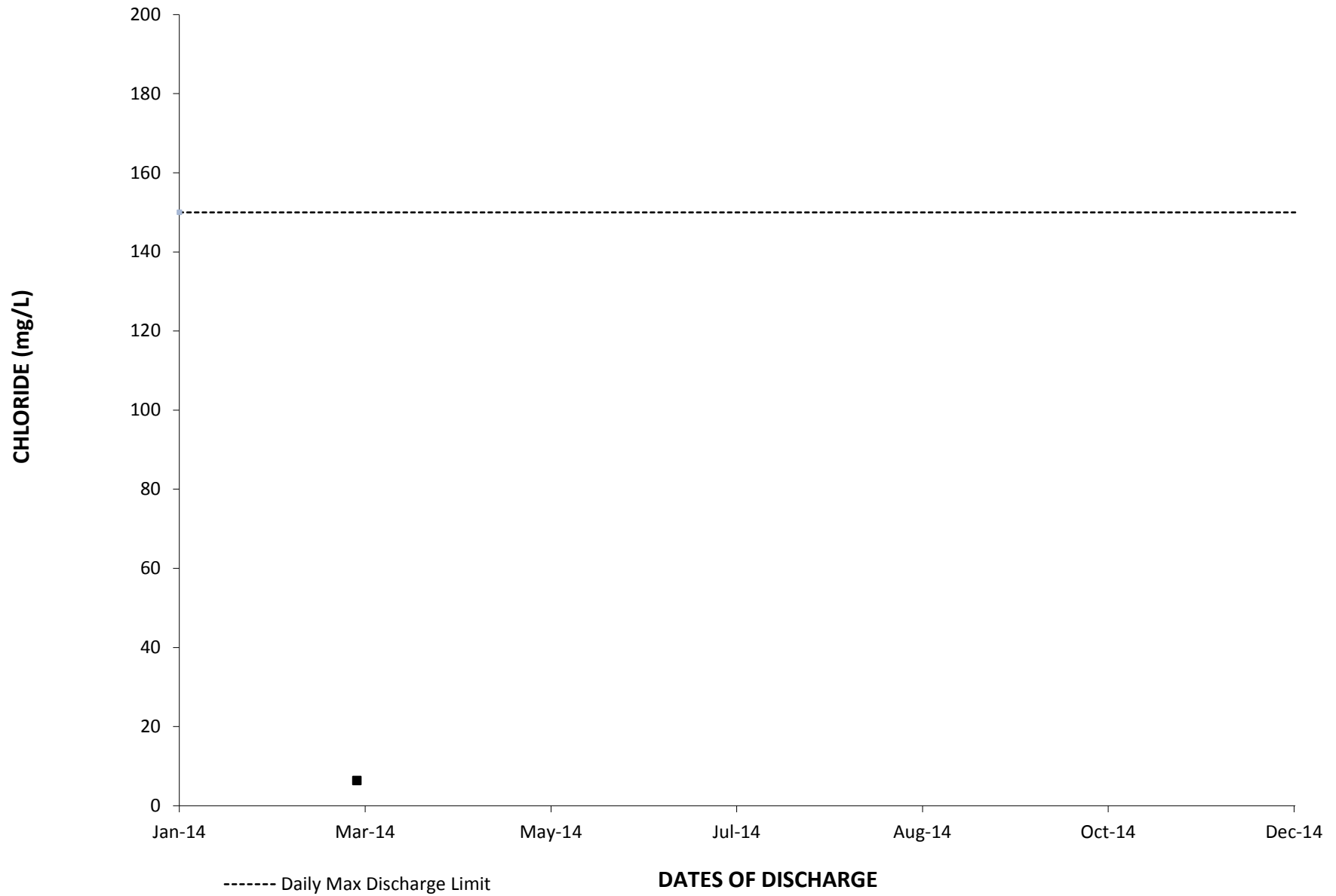
----- Average Survival Rate - - - - Minimal Survival Rate

The acute toxicity for all of the effluent discharges shall be such that: (i) the average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and (ii) no single test producing less than 70 % survival.

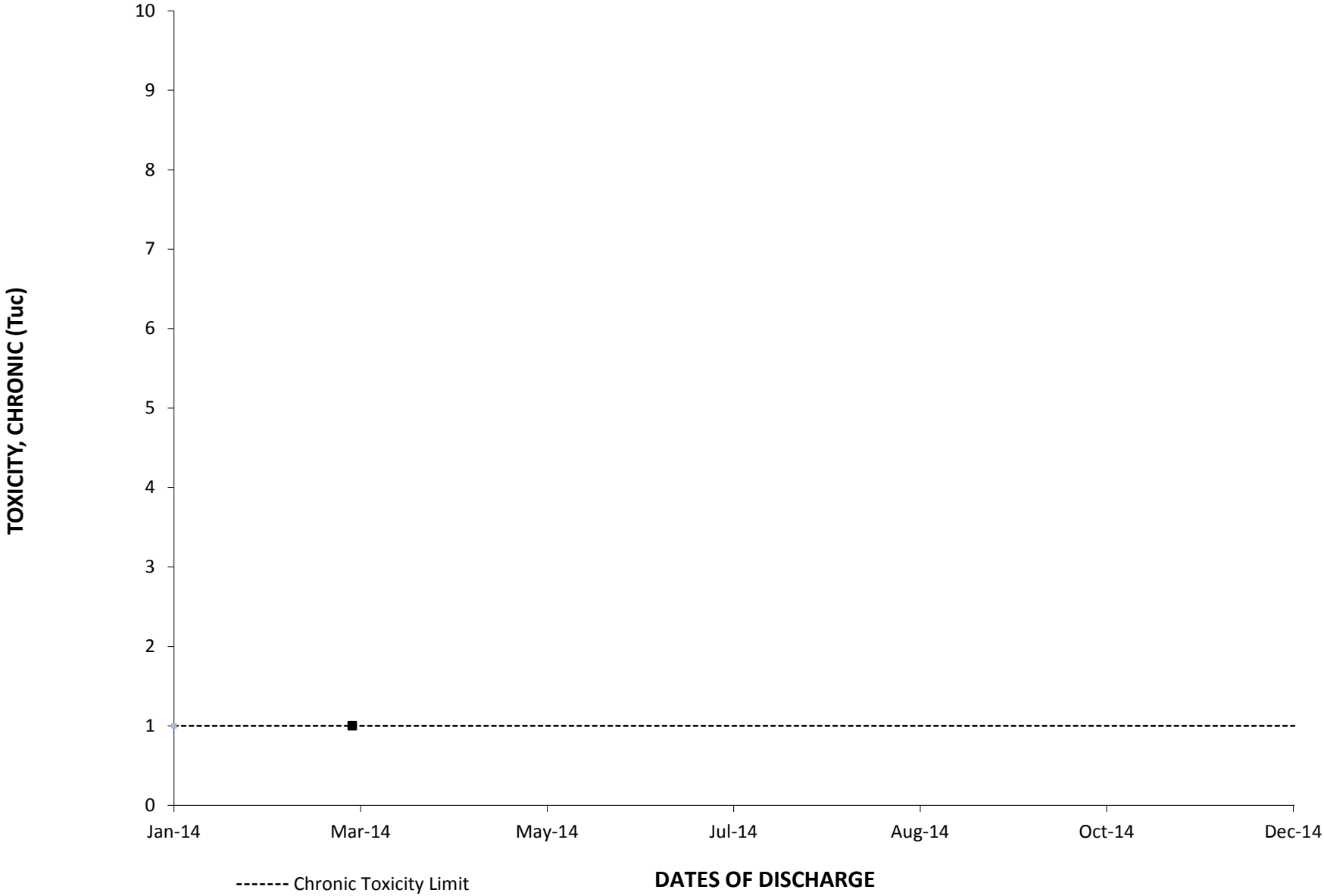
2014: OUTFALL 010 BORON DAILY VALUE



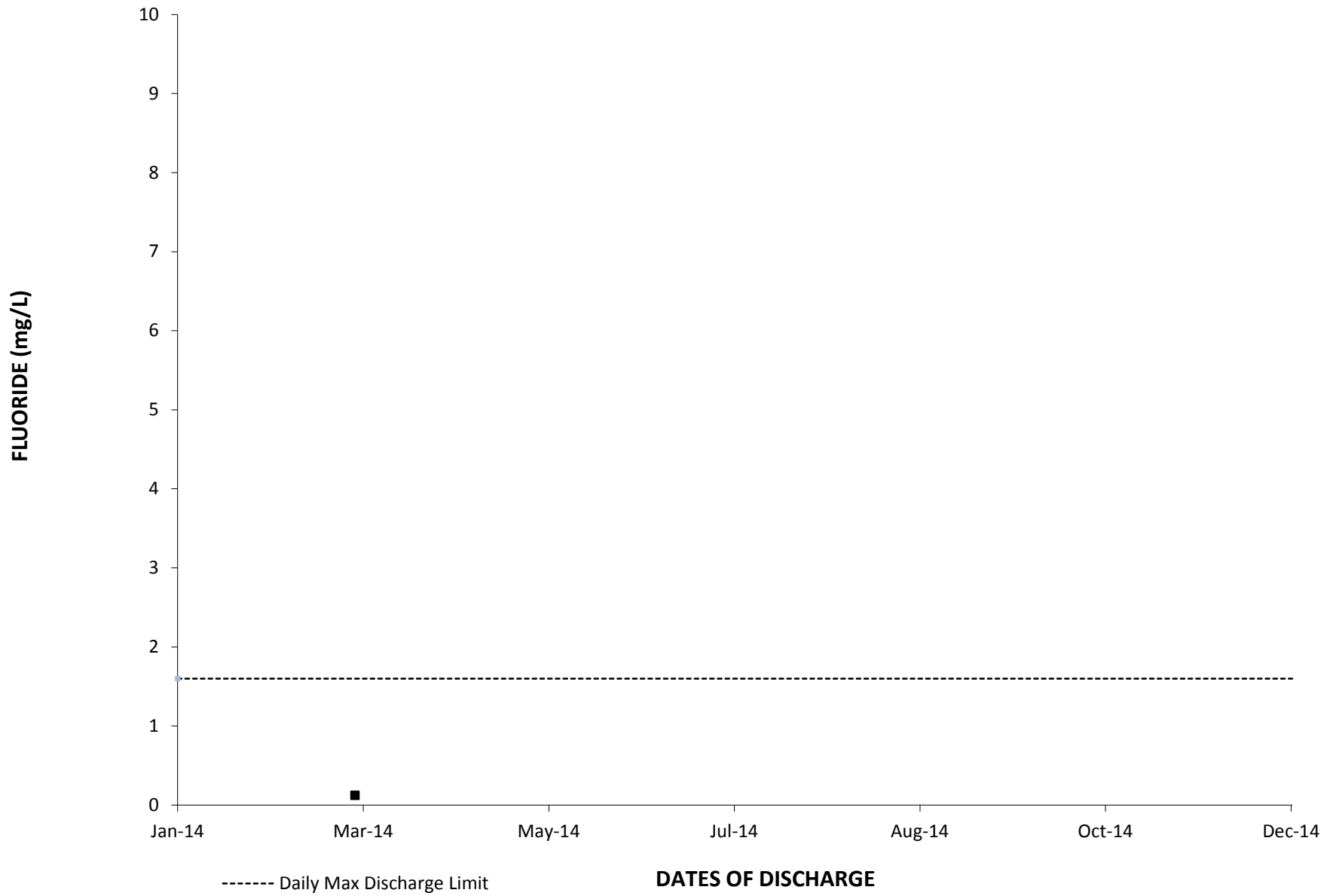
2014: OUTFALL 010 CHLORIDE DAILY VALUE



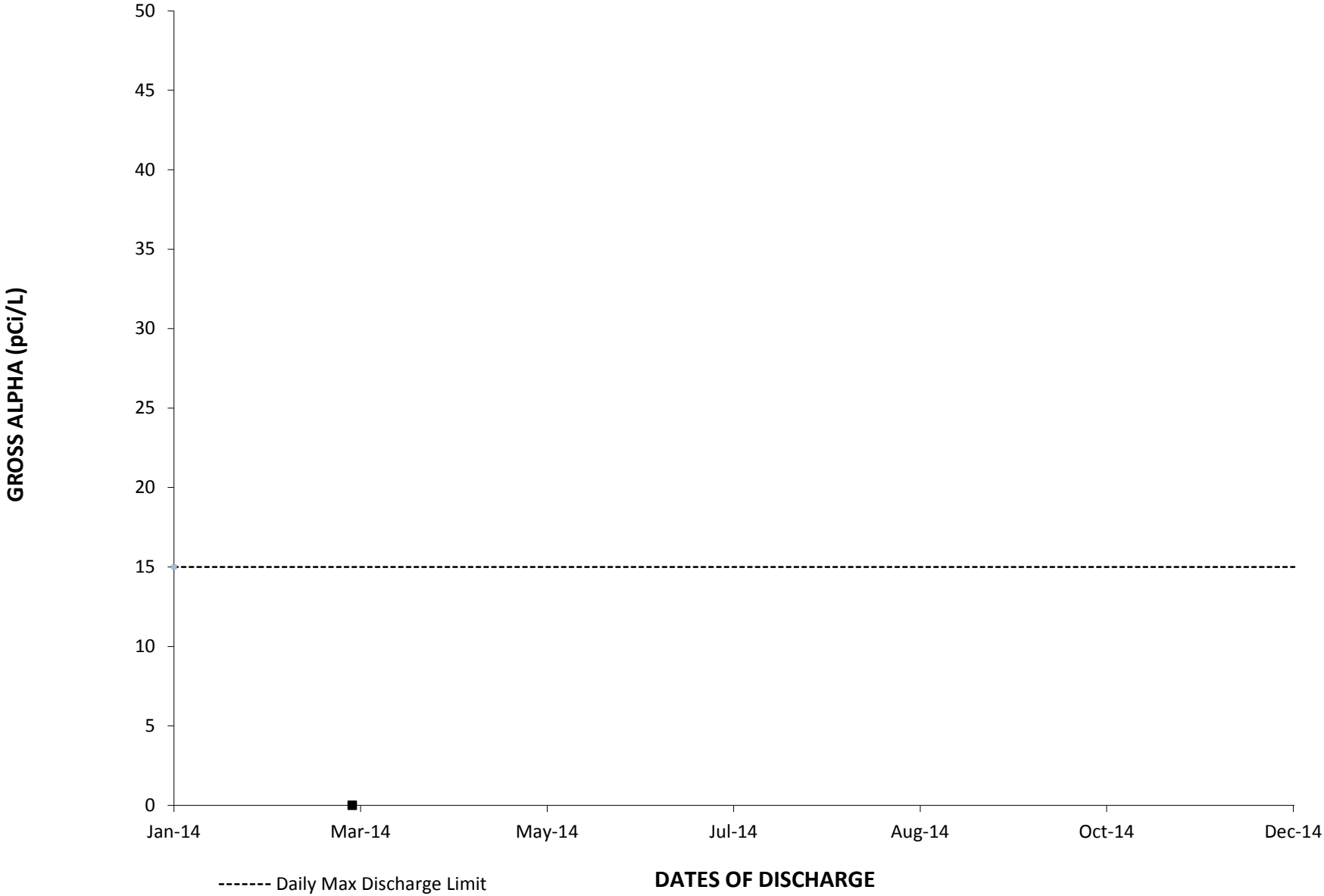
2014: OUTFALL 010 TOXICITY, CHRONIC DAILY VALUE



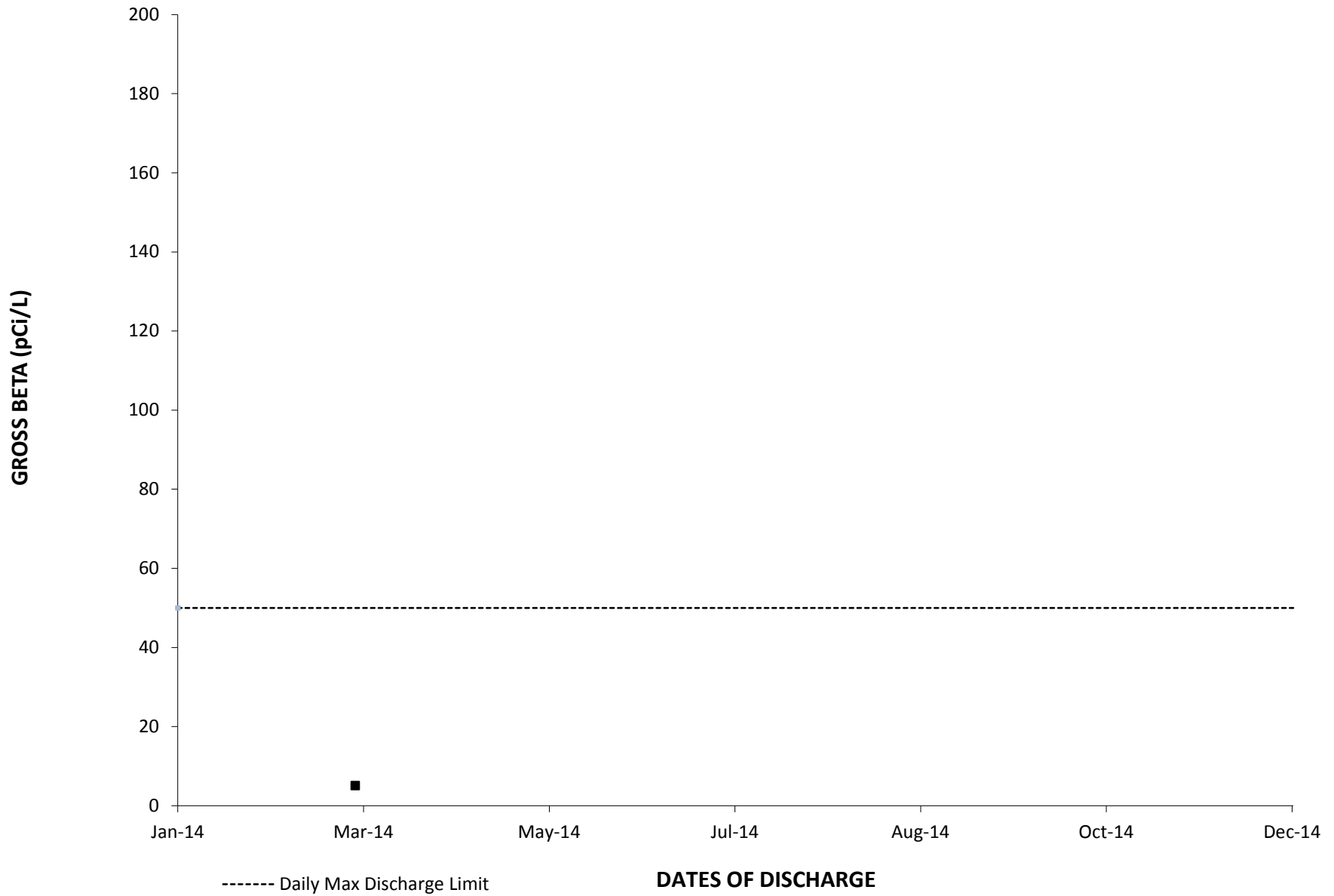
2014: OUTFALL 010 FLUORIDE DAILY VALUE



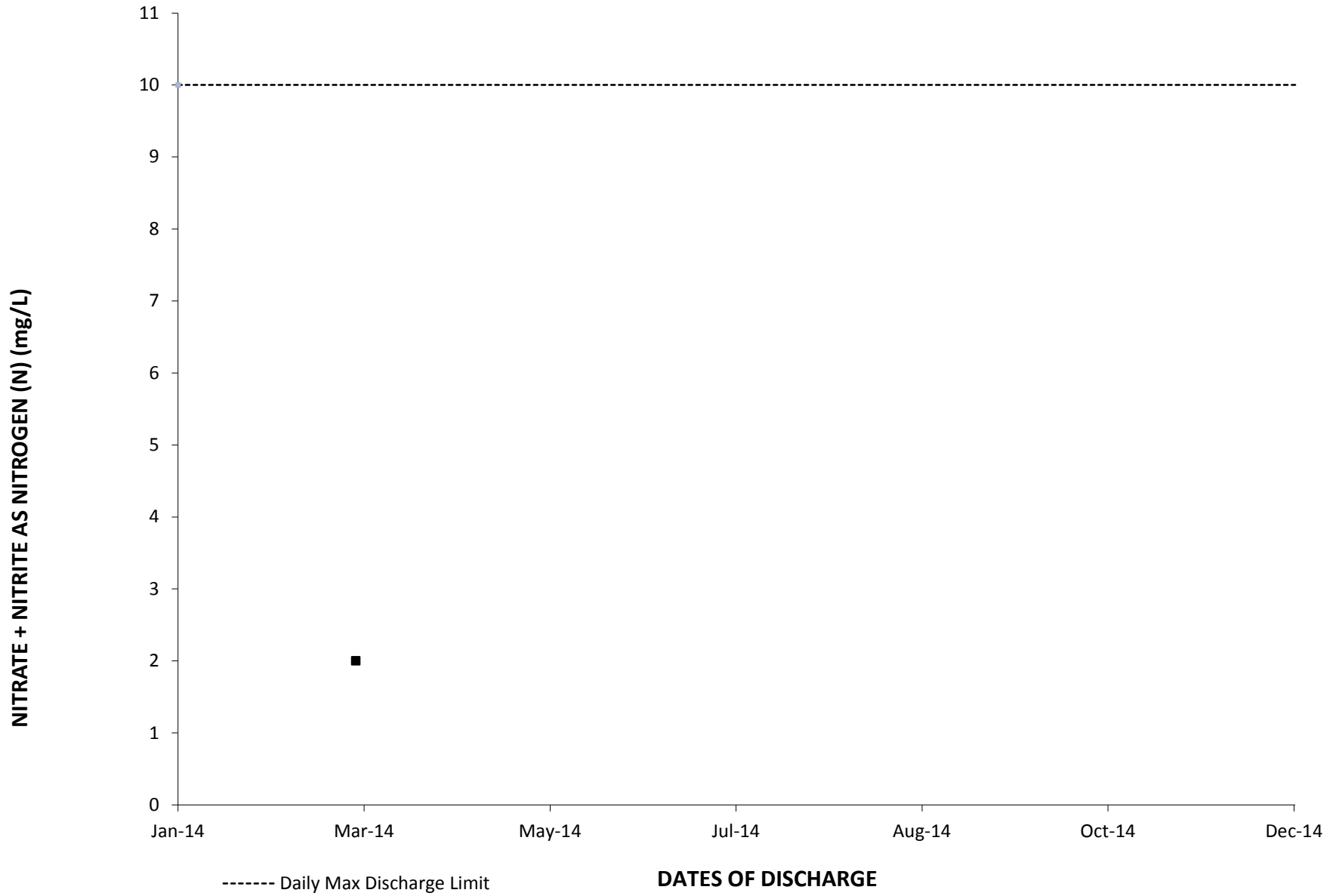
2014: OUTFALL 010 GROSS ALPHA DAILY VALUE



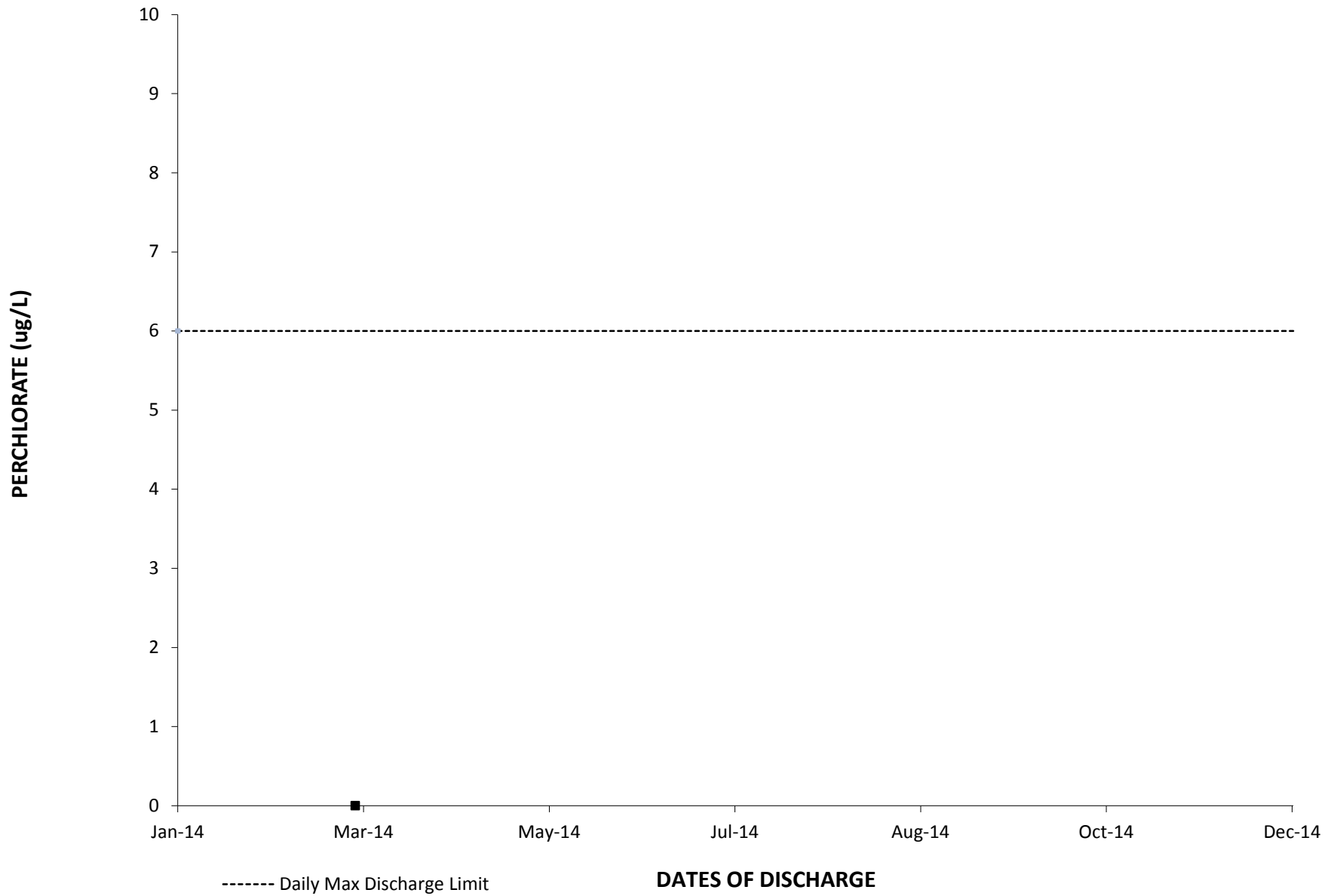
2014: OUTFALL 010 GROSS BETA DAILY VALUE



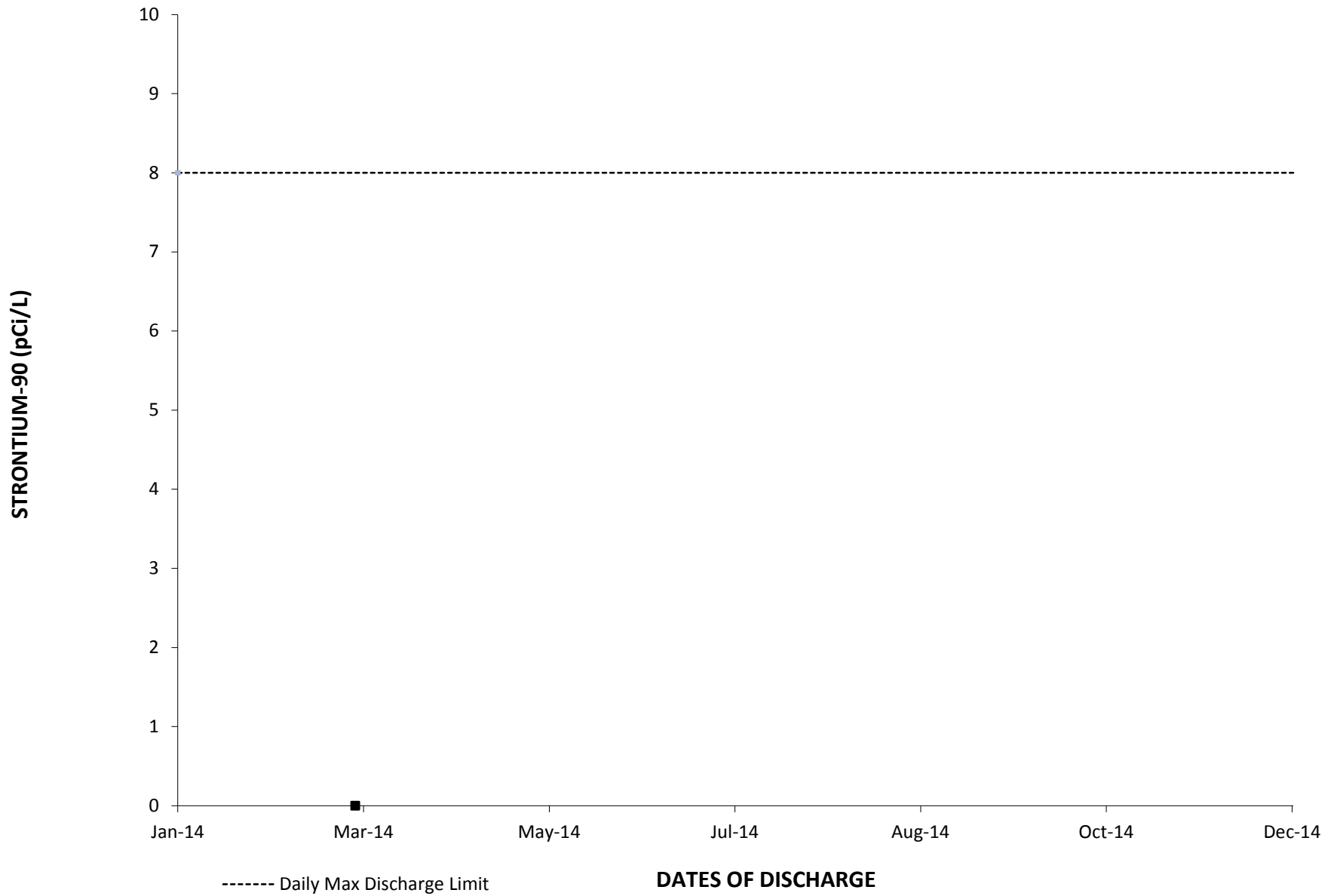
2014: OUTFALL 010 NITRATE + NITRITE AS NITROGEN (N) DAILY VALUE



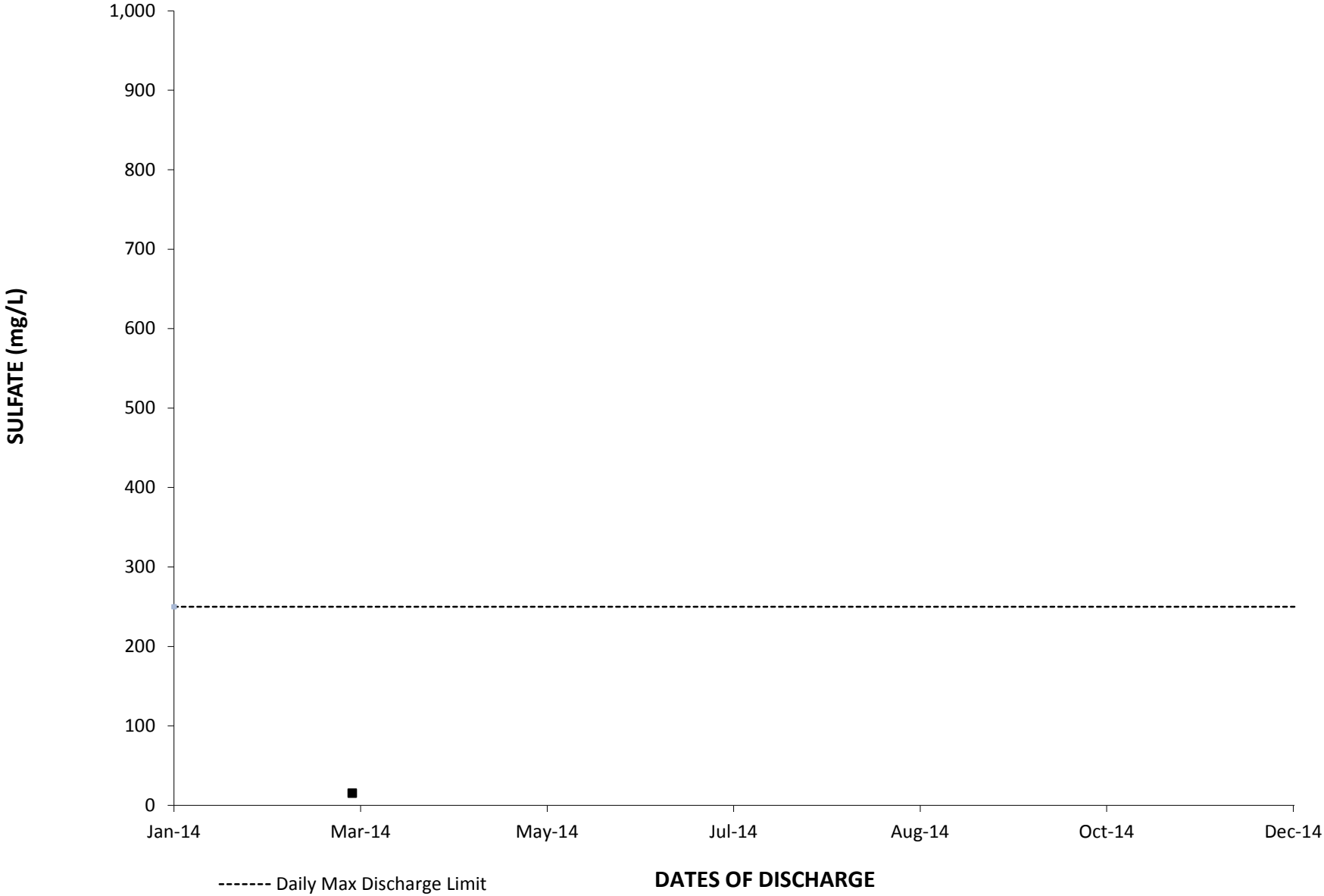
2014: OUTFALL 010 PERCHLORATE DAILY VALUE



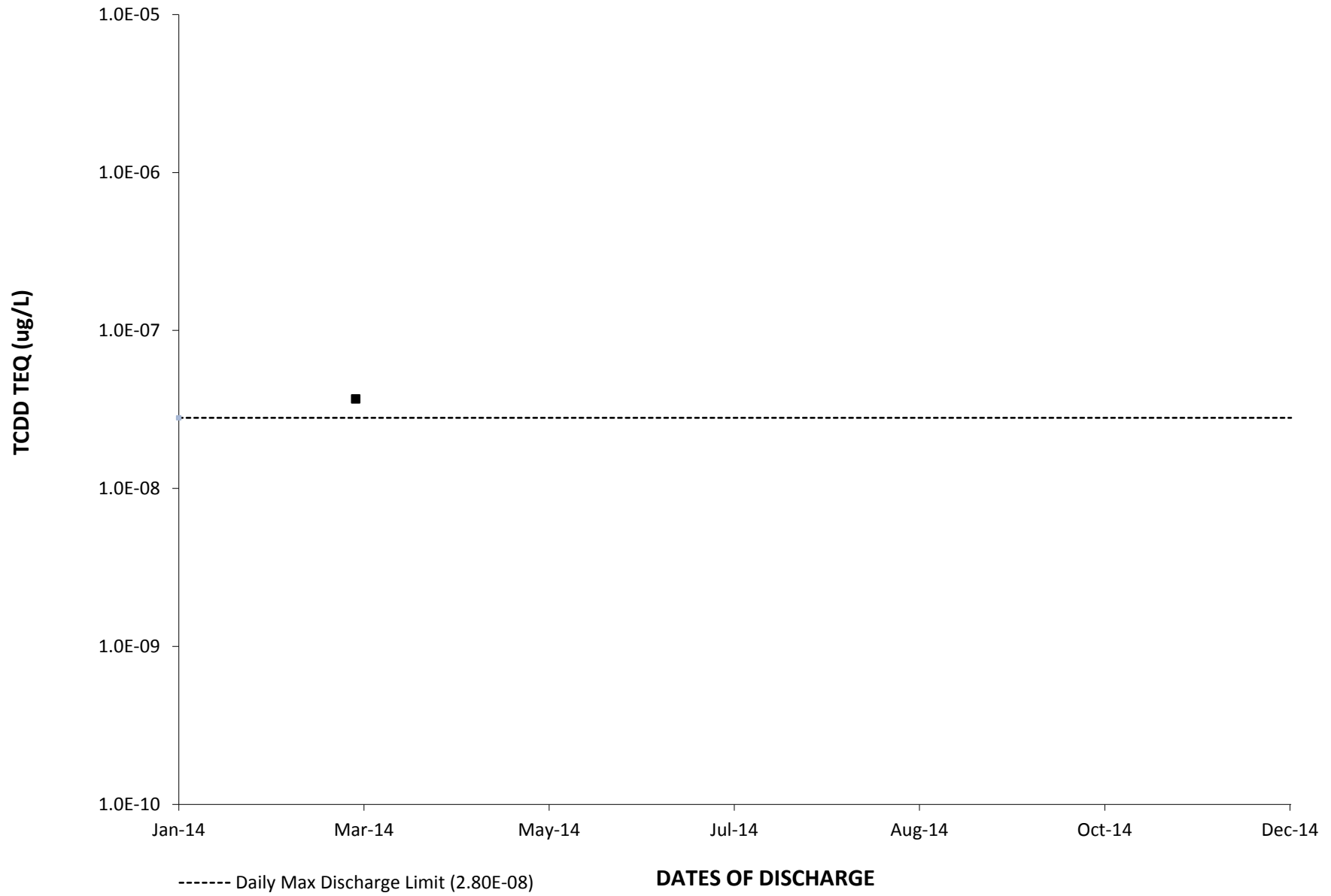
2014: OUTFALL 010 STRONTIUM-90 DAILY VALUE



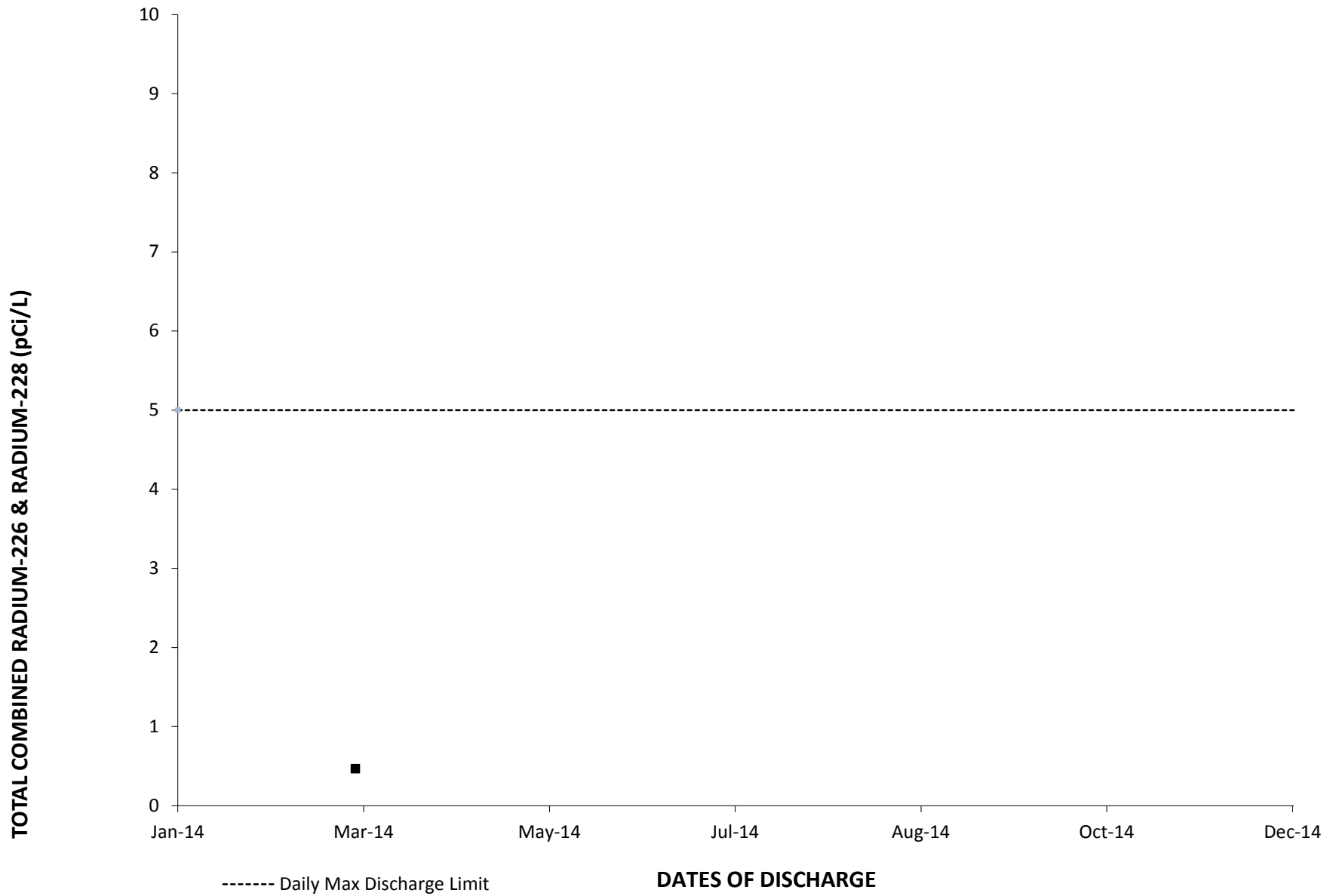
2014: OUTFALL 010 SULFATE DAILY VALUE



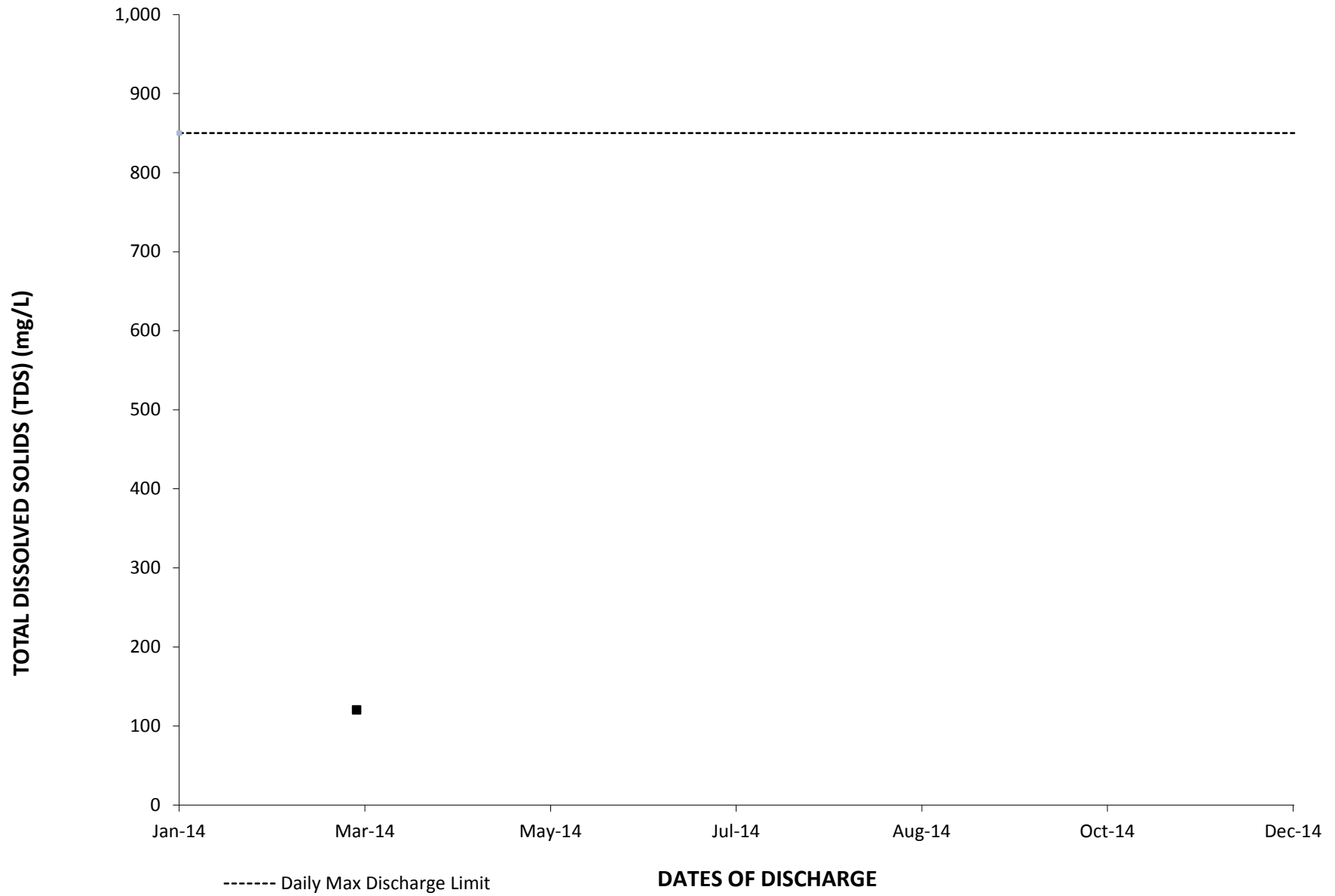
2014: OUTFALL 010 TCDD TEQ DAILY VALUE



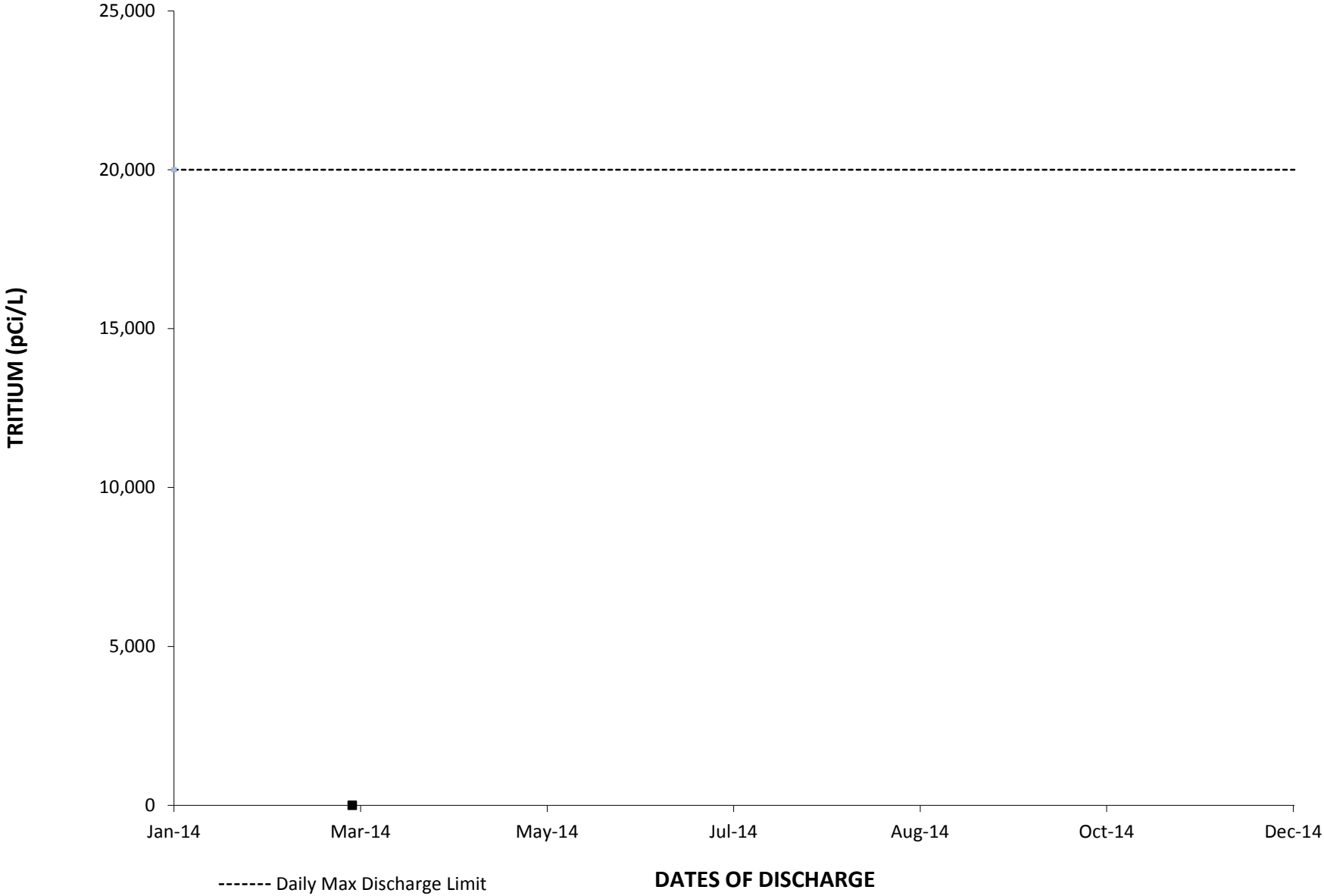
2014: OUTFALL 010 TOTAL COMBINED RADIUM-226 & RADIUM-228 DAILY VALUE



2014: OUTFALL 010 TOTAL DISSOLVED SOLIDS (TDS) DAILY VALUE

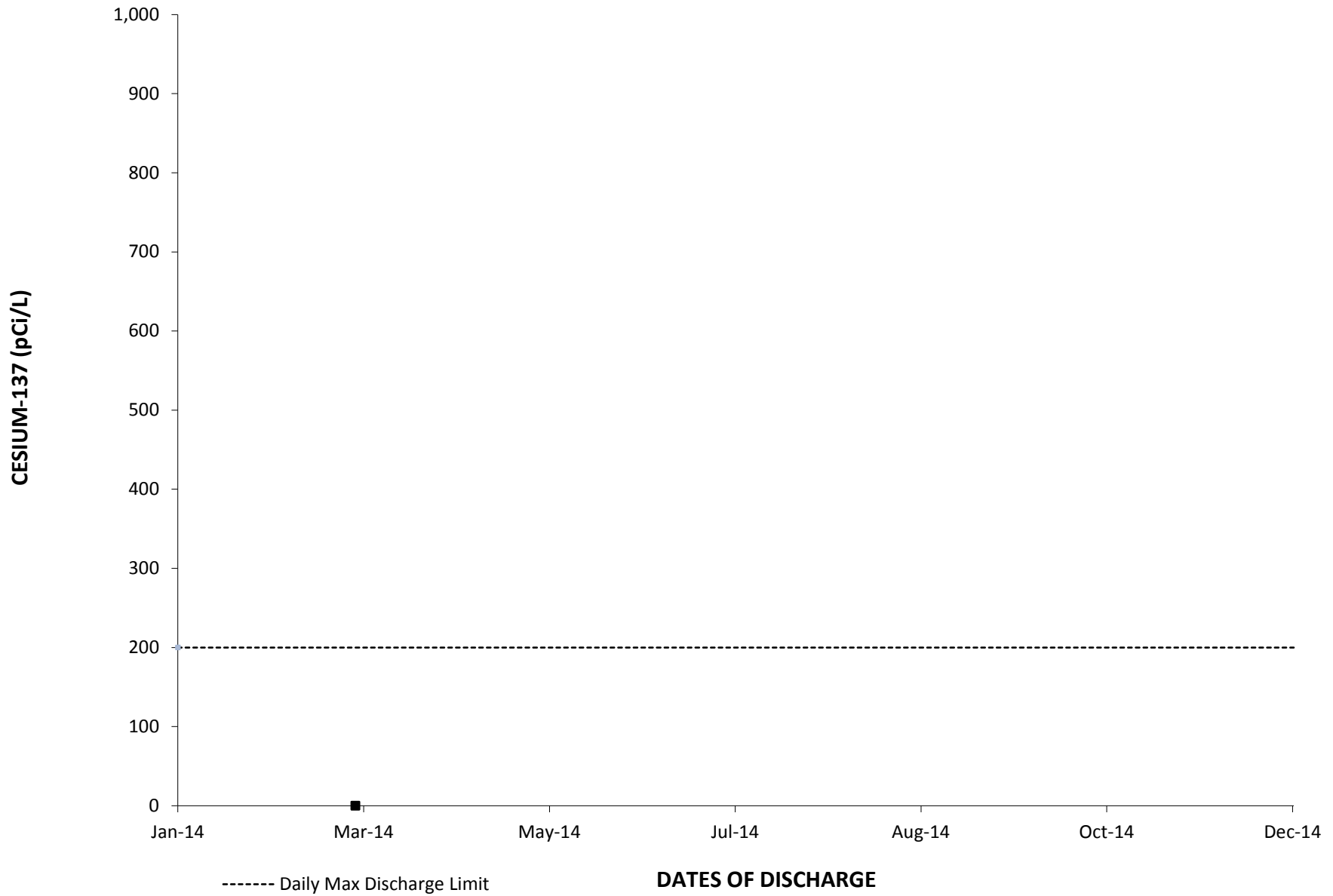


2014: OUTFALL 010 TRITIUM DAILY VALUE

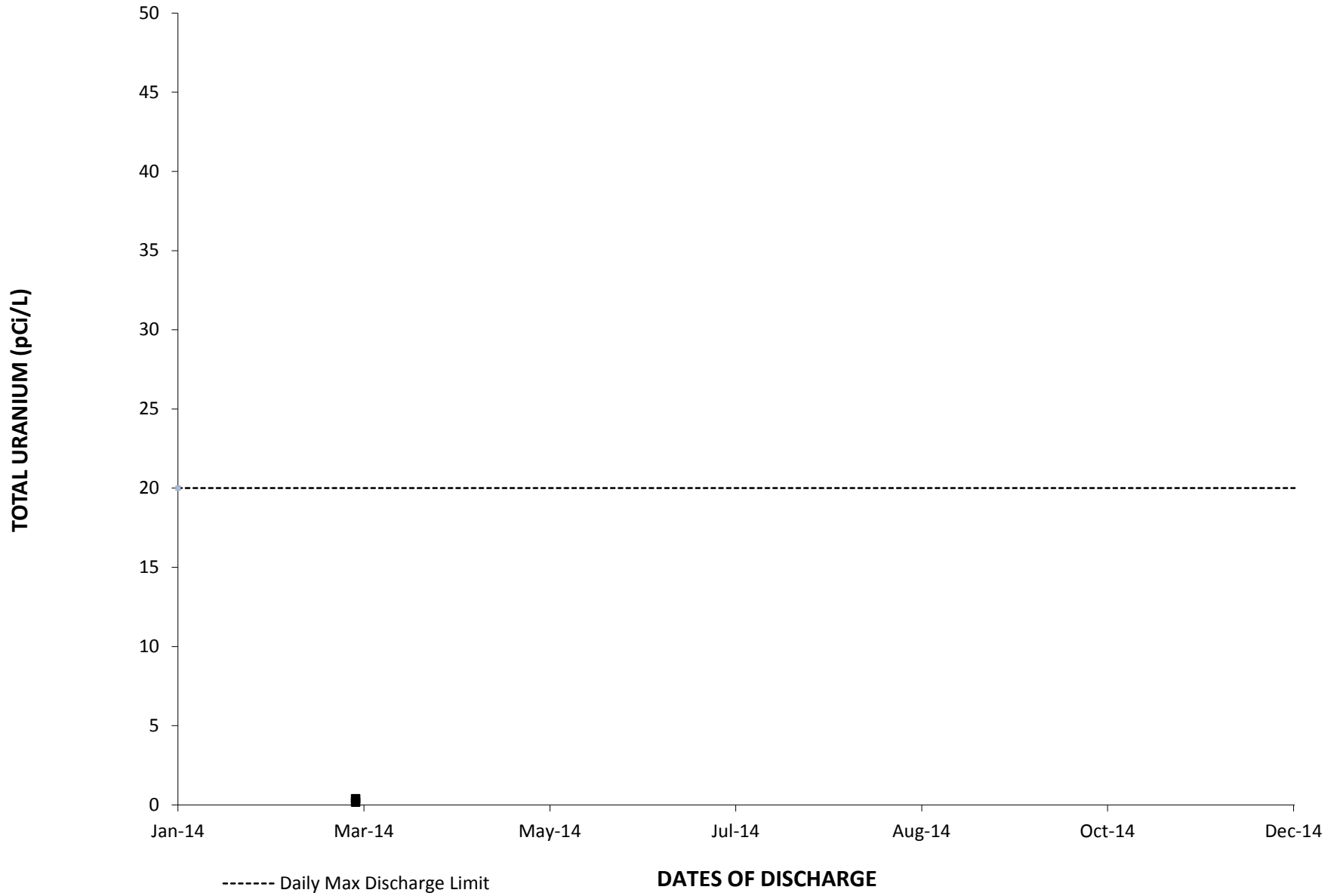


ADDITIONAL POLLUTANTS

2014: OUTFALL 010 CESIUM-137 DAILY VALUE



2014: OUTFALL 010 TOTAL URANIUM DAILY VALUE



APPENDIX G

Receiving Water and Sediment Sample Location – Arroyo Simi Frontier Park (RSW-002)

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/28/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	Grab	ND < 0.0038	*
4,4'-DDE	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0029	*
4,4'-DDT	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0038	*
Aroclor 1016	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1221	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1232	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1242	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1248	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1254	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1260	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Chlordane	ug/L	0.001/-	1/Quarter	Grab	ND < 0.077	*
Chlorpyrifos	ug/L	0.02/-	1/Quarter	Grab	ND < 0.077	*
Diazinon	ug/L	0.16/-	1/Quarter	Grab	ND < 0.096	*
Dieldrin	ug/L	0.0002/-	1/Quarter	Grab	ND < 0.0019	*
E. Coli	MPN/100 ml	235/-	1/Year	Grab	>=1,600	--
Fecal Coliform	MPN/100 ml	400/-	1/Year	Grab	>=1,600	--
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	7.24	*
Toxaphene	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	210	--
Temperature (Field)	deg F	-/-	1/Quarter	Grab	58.01	*
Total Suspended Solids	mg/L	-/-	1/Year	Grab	460	--
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.33	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	7.77	*
Turbidity (Field)	NTU	-/-	Additional	Grab	800	*

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	3/10/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	170	--
Fecal Coliform	MPN/100 ml	400/-	1/Year	Grab	240	--
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	7.55	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	66.74	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	8.65	*
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2014

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	3/14/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	23	--
Fecal Coliform	MPN/100 ml	400/-	1/Year	Grab	23	--
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	7.75	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	61.7	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	10.06	*
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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 THE BOEING COMPANY
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 NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	3/19/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	540	--
Fecal Coliform	MPN/100 ml	400/-	1/Year	Grab	540	--
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.1	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	56.84	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	8.17	*
Turbidity (Field)	NTU	-/-	Additional	Grab	7.5	*

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	3/24/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	170	--
Fecal Coliform	MPN/100 ml	400/-	1/Year	Grab	170	--
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.89	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	60.22	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	Grab	5.95	*
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	5/21/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	Grab	ND < 0.0038	*
4,4'-DDE	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0028	*
4,4'-DDT	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0038	*
Aroclor 1016	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1221	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1232	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1242	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1248	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1254	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1260	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Chlordane	ug/L	0.001/-	1/Quarter	Grab	ND < 0.076	*
Chlorpyrifos	ug/L	0.02/-	1/Quarter	Grab	ND < 0.48	*
Diazinon	ug/L	0.16/-	1/Quarter	Grab	ND < 0.11	*
Dieldrin	ug/L	0.0002/-	1/Quarter	Grab	ND < 0.0019	*
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.98	*
Toxaphene	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	800	J+ (R)
Temperature (Field)	deg F	-/-	1/Quarter	Grab	64.90	*
Total Suspended Solids	mg/L	-/-	1/Year			
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.0	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	8/12/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	Grab	ND < 0.0038	*
4,4'-DDE	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0028	*
4,4'-DDT	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0038	*
Aroclor 1016	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1221	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1232	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1242	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1248	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1254	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Aroclor 1260	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
Chlordane	ug/L	0.001/-	1/Quarter	Grab	ND < 0.076	*
Chlorpyrifos	ug/L	0.02/-	1/Quarter	Grab	ND < 0.47	*
Diazinon	ug/L	0.16/-	1/Quarter	Grab	ND < 0.11	*
Dieldrin	ug/L	0.0002/-	1/Quarter	Grab	ND < 0.0019	*
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.61	*
Toxaphene	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.24	*
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	740	--
Temperature (Field)	deg F	-/-	1/Quarter	Grab	73.69	*
Total Suspended Solids	mg/L	-/-	1/Year			
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.0	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	11/13/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	Grab	ND < 0.0035	*
4,4'-DDE	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0026	*
4,4'-DDT	ug/L	0.001/-	1/Quarter	Grab	ND < 0.0035	*
Aroclor 1016	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1221	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1232	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1242	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1248	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1254	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Aroclor 1260	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
Chlordane	ug/L	0.001/-	1/Quarter	Grab	ND < 0.070	*
Chlorpyrifos	ug/L	0.02/-	1/Quarter	Grab	ND < 0.49	*
Diazinon	ug/L	0.16/-	1/Quarter	Grab	ND < 0.12	*
Dieldrin	ug/L	0.0002/-	1/Quarter	Grab	ND < 0.0017	*
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.91	*
Toxaphene	ug/L	0.0003/-	1/Quarter	Grab	ND < 0.22	*
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	710	--
Temperature (Field)	deg F	-/-	1/Quarter	Grab	56.43	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.00	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/3/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	6.74	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	220	--
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.1	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/12/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	7.30	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	290	--
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.6	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

ANNUAL 2014 REPORTING SUMMARY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	12/17/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	1/Year	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	1/Quarter	Grab	7.18	*
Toxaphene	ug/L	0.0003/-	1/Quarter	ANR	ANR	ANR
POLLUTANTS WITHOUT LIMITS						
Hardness	mg/L	-/-	1/Quarter	Grab	280	--
Temperature (Field)	deg F	-/-	1/Quarter	Grab	51.1	*
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.20	*
ADDITIONAL POLLUTANTS						
Dissolved Oxygen (Field)	mg/L	-/-	Additional	ANR	ANR	ANR
Turbidity (Field)	NTU	-/-	Additional	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

ANNUAL 2014 REPORTING SUMMARY
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 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

Sample Type: Grab
 January 1 through December 31, 2015

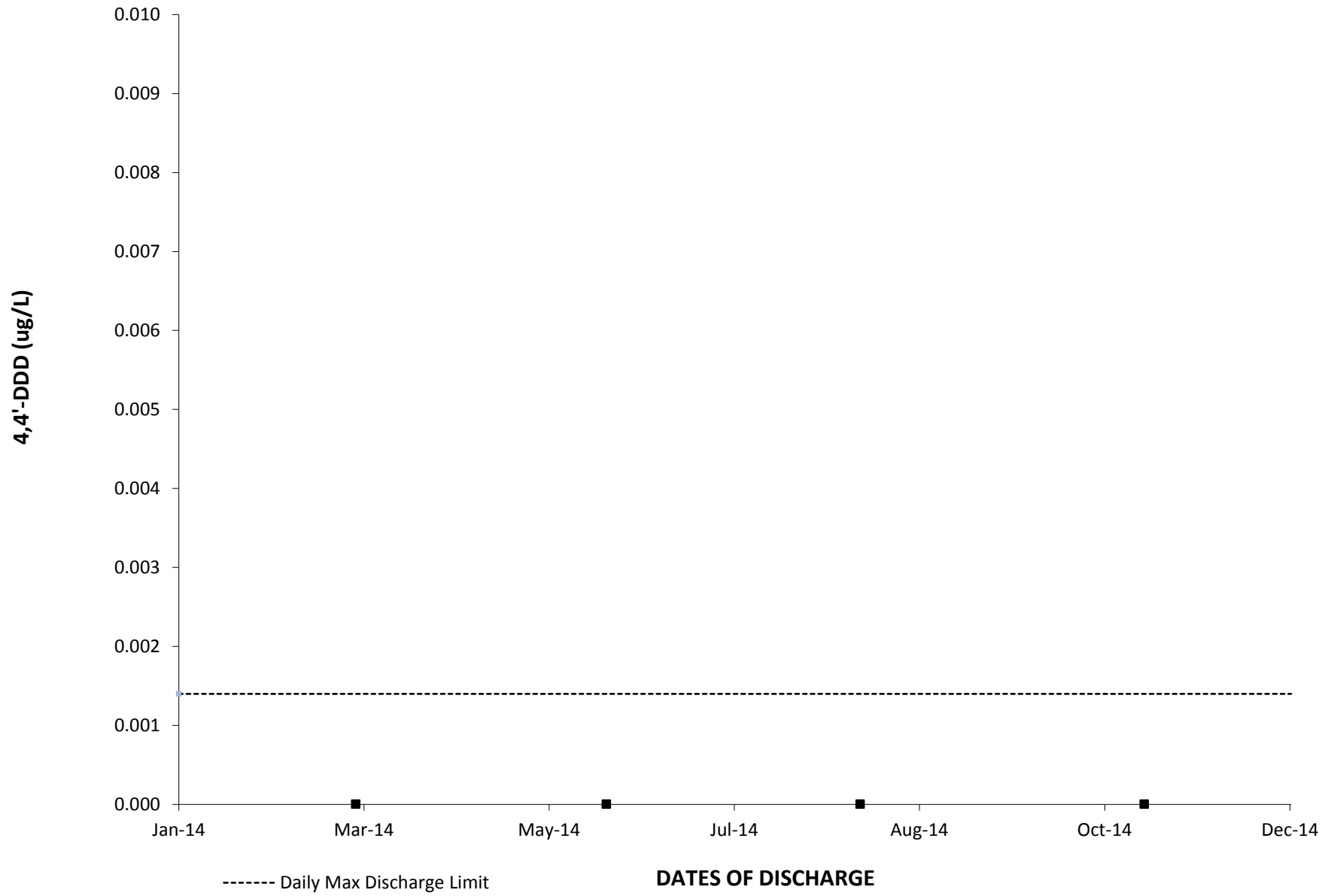
ANALYTE	SAMPLE FREQUENCY	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1/Year	1.25E-05	5.00E-05	1.03E-04	--	0.01	0.05	5.15E-08
1,2,3,4,6,7,8-HpCDF	1/Year	6.50E-06	5.00E-05	3.80E-05	J(DNQ)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Year	1.25E-05	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Year	1.25E-05	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Year	6.50E-06	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Year	1.25E-05	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Year	1.25E-05	5.00E-05	9.58E-06	UJ(*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Year	1.25E-05	5.00E-05	5.20E-06	J(DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Year	6.50E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Year	6.50E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Year	6.50E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Year	6.50E-06	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Year	6.20E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Year	2.50E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Year	2.50E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Year	5.00E-05	1.00E-04	8.81E-04	--	0.0001	0.01	8.81E-10
OCDF	1/Year	2.50E-05	1.00E-04	8.19E-05	J(DNQ)	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values								5.24E-08

ANALYTICAL RESULT CHARTS

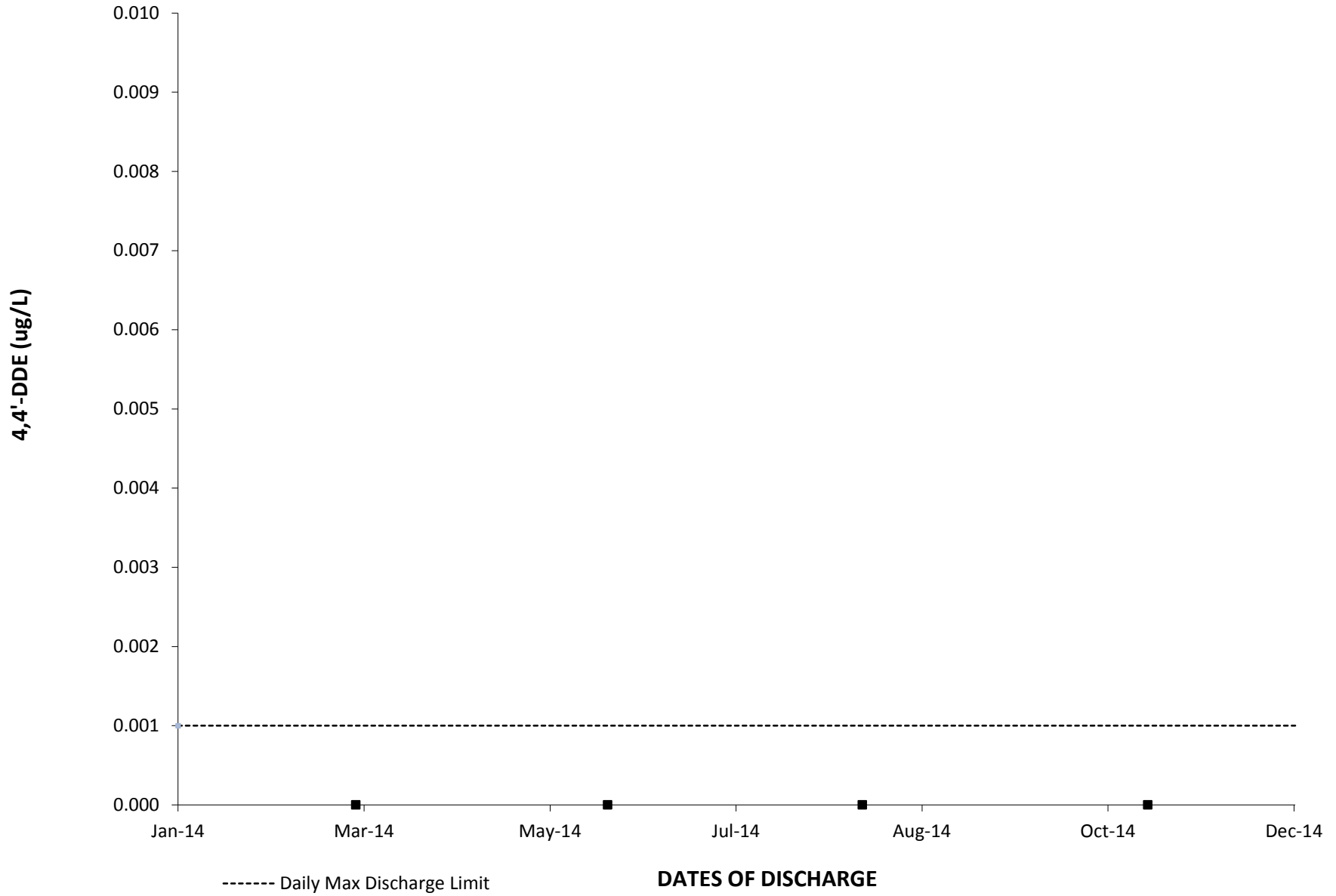
ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

POLLUTANTS WITH LIMITS

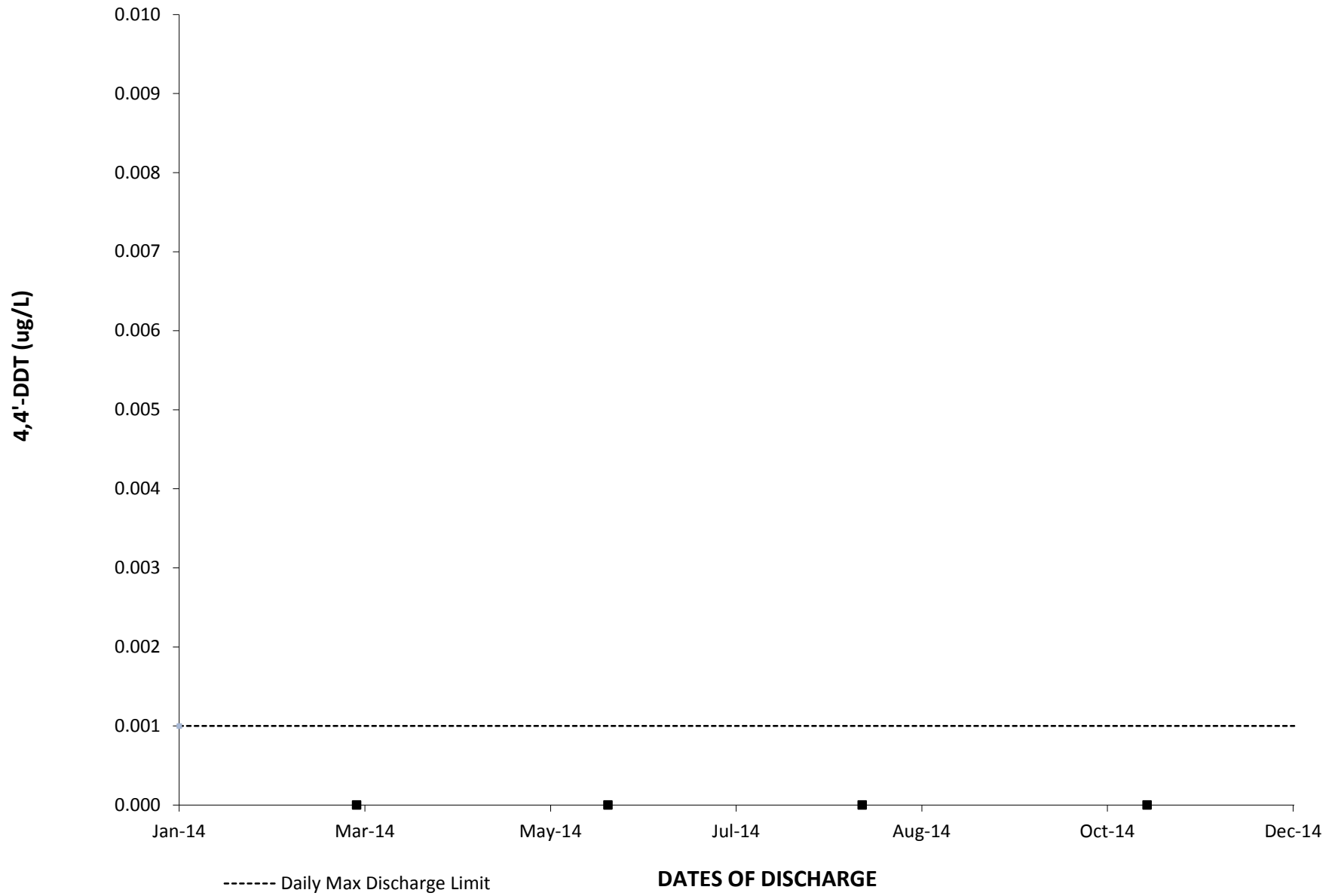
2014: ARROYO SIMI 4,4'-DDD DAILY VALUE



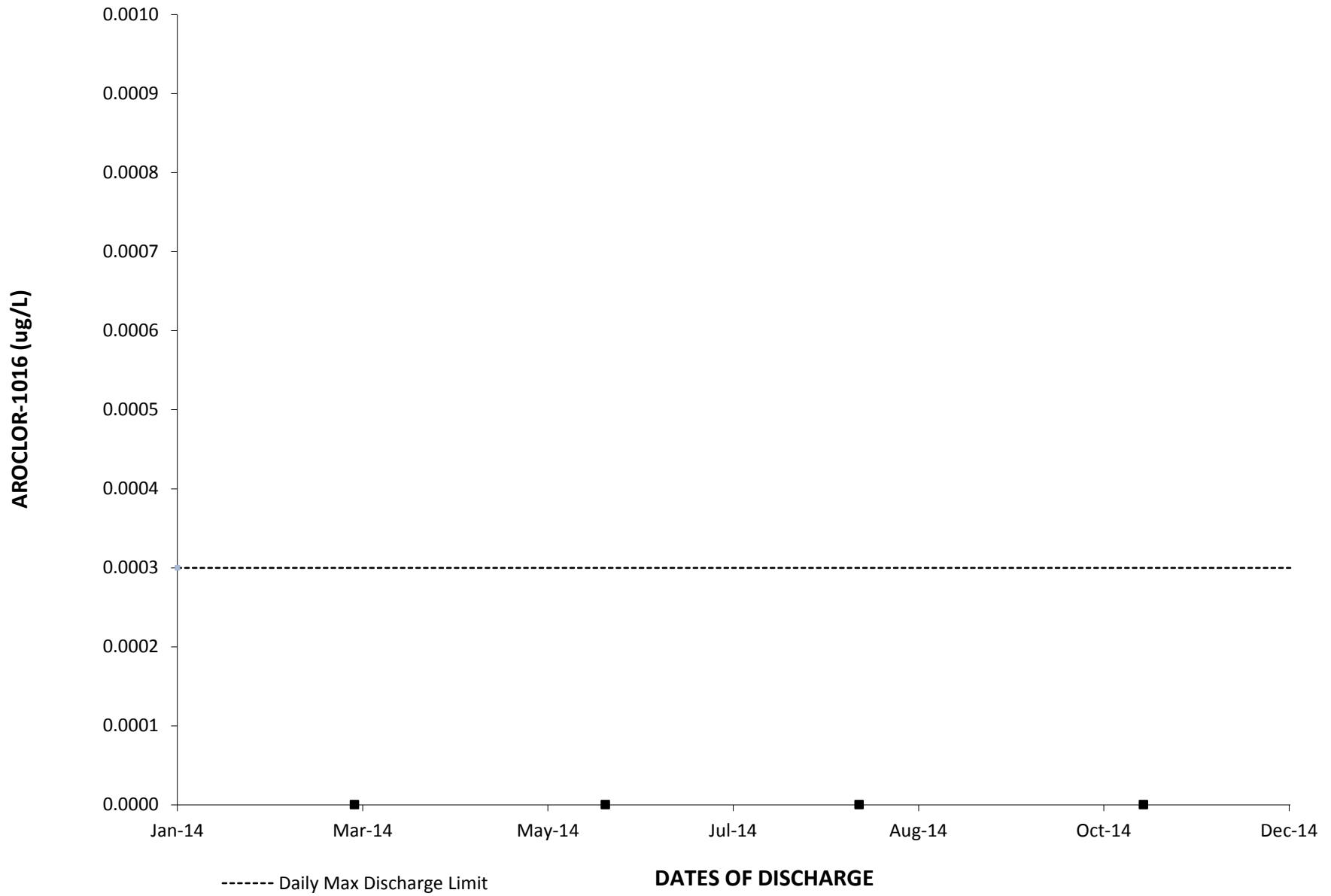
2014: ARROYO SIMI 4,4'-DDE DAILY VALUE



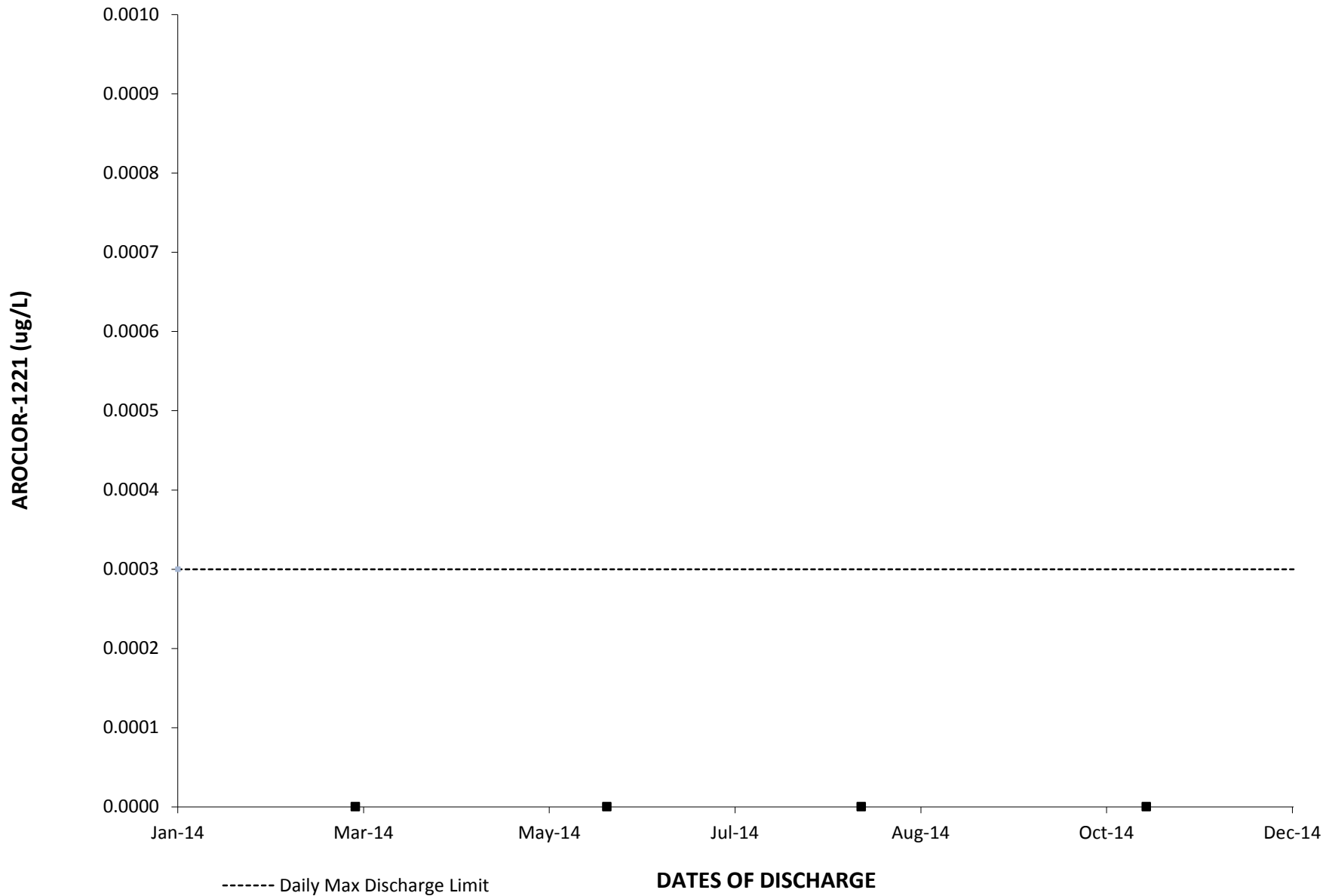
2014: ARROYO SIMI 4,4'-DDT DAILY VALUE



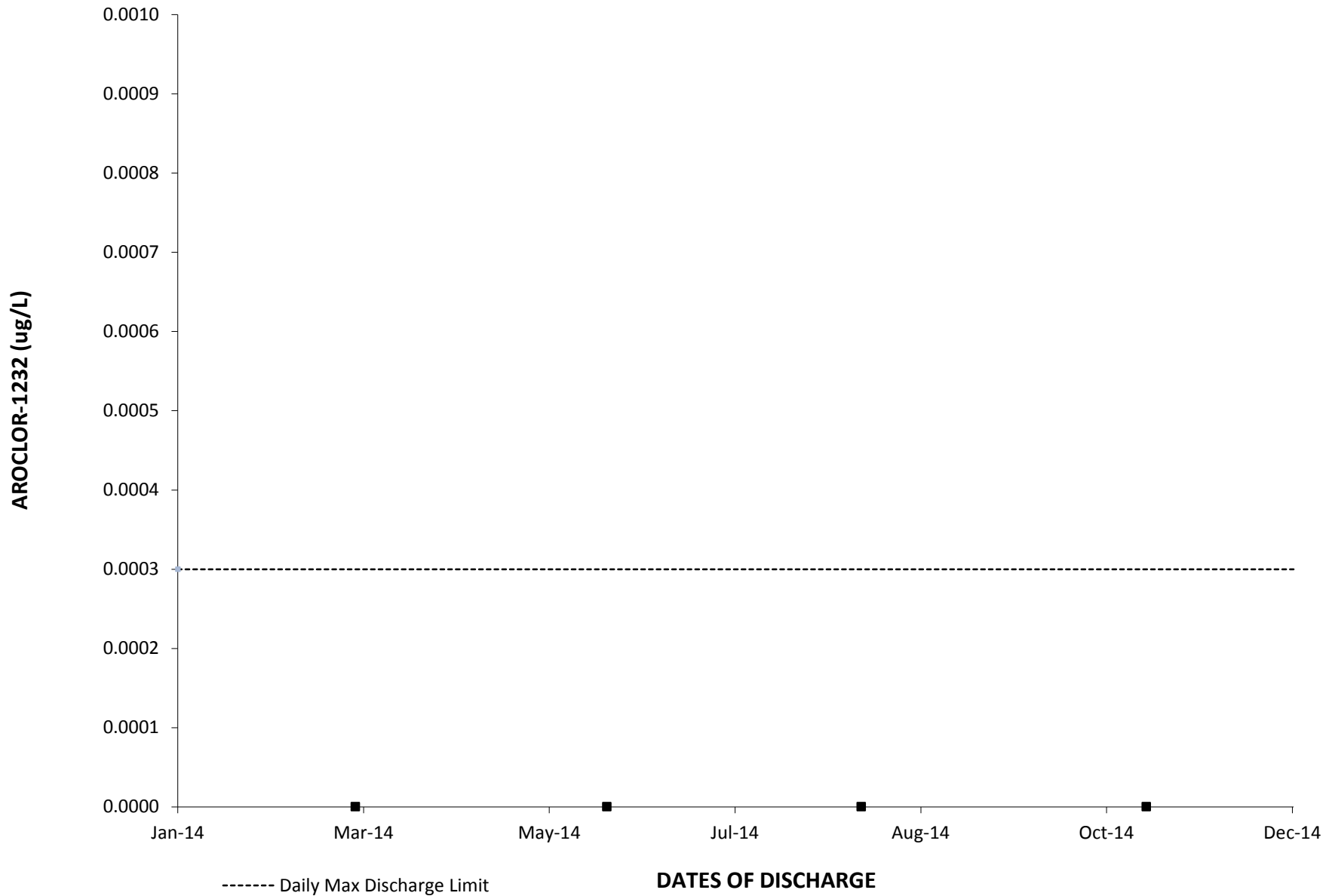
2014: ARROYO SIMI AROCLOR-1016 DAILY VALUE



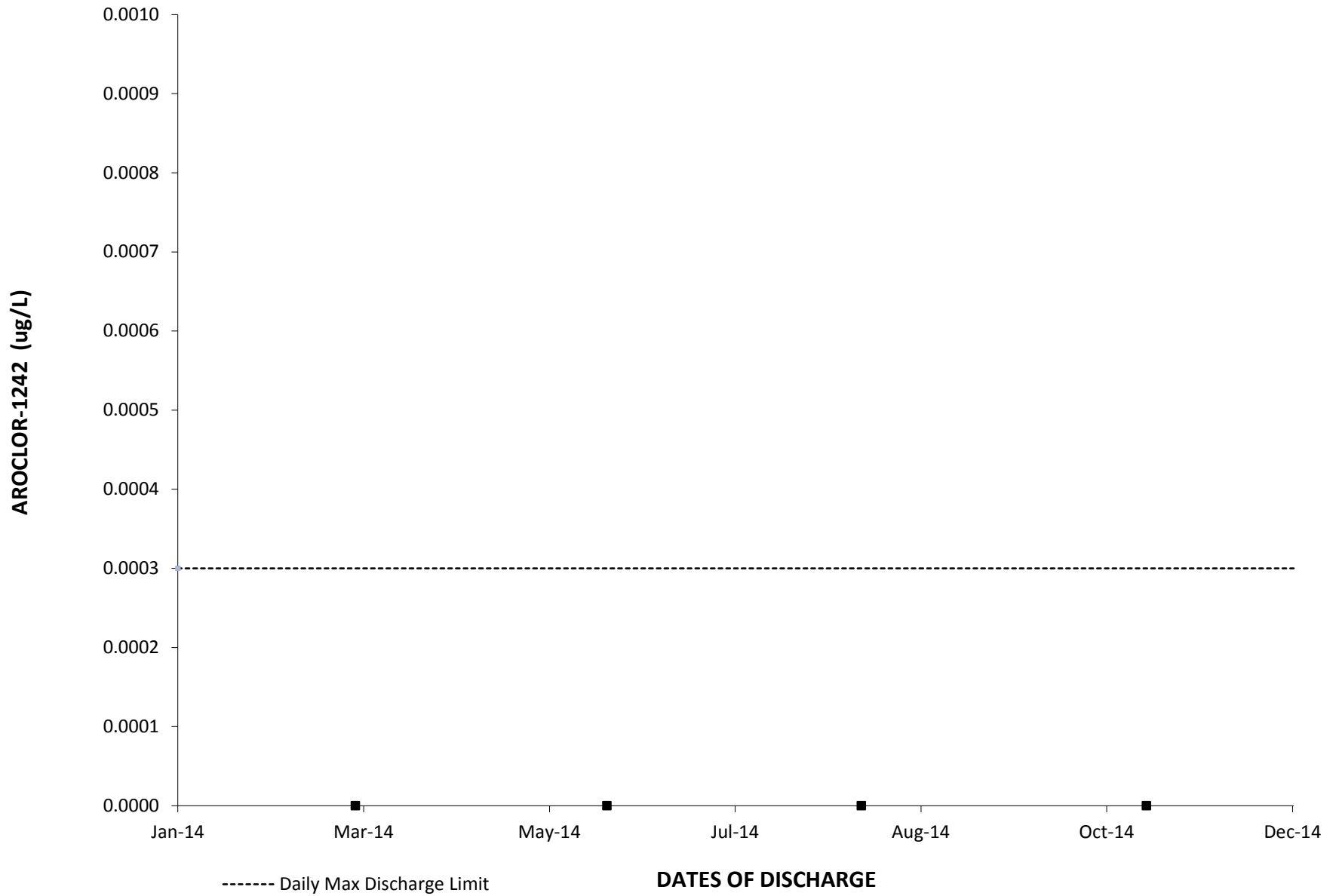
2014: ARROYO SIMI AROCLOR-1221 DAILY VALUE



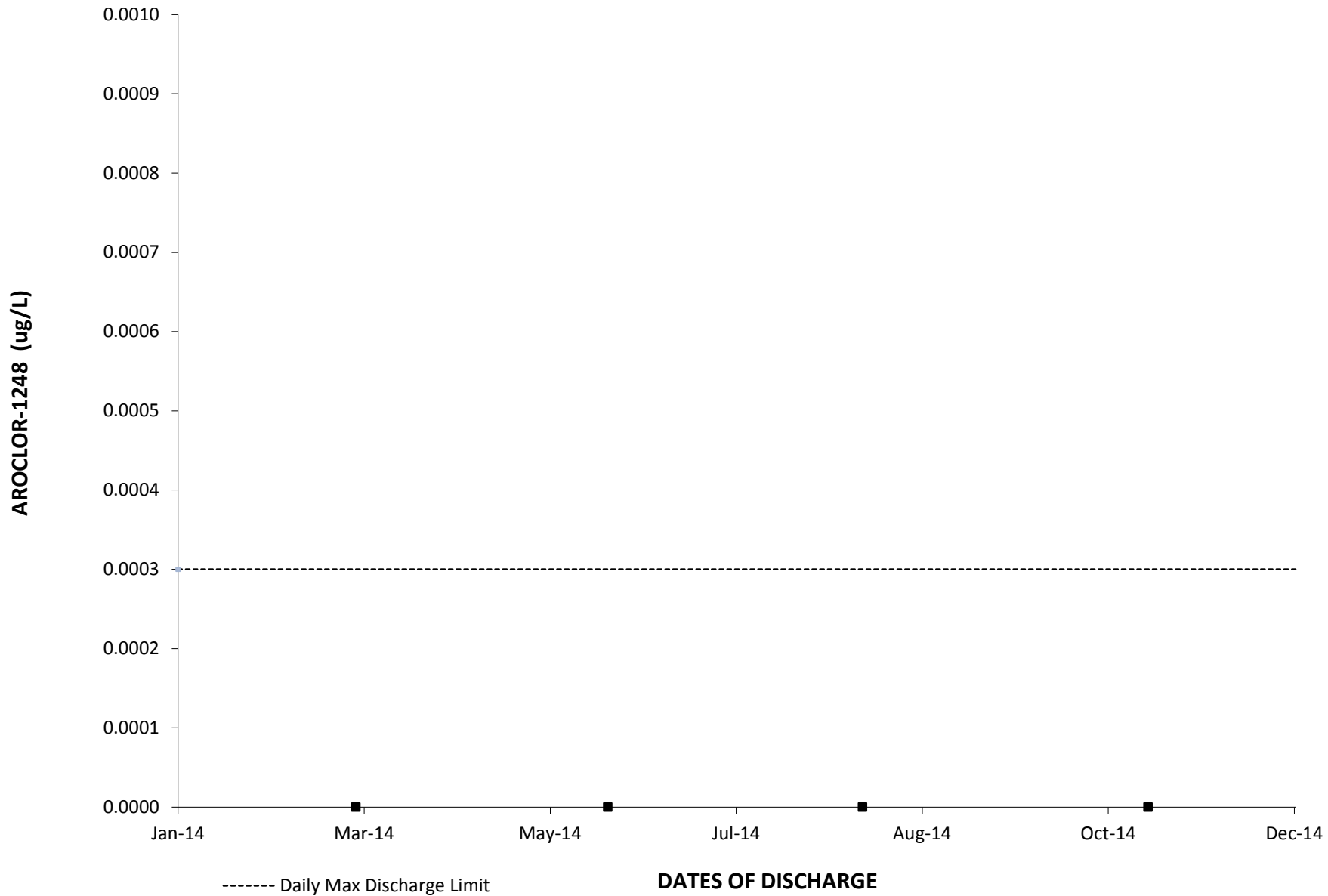
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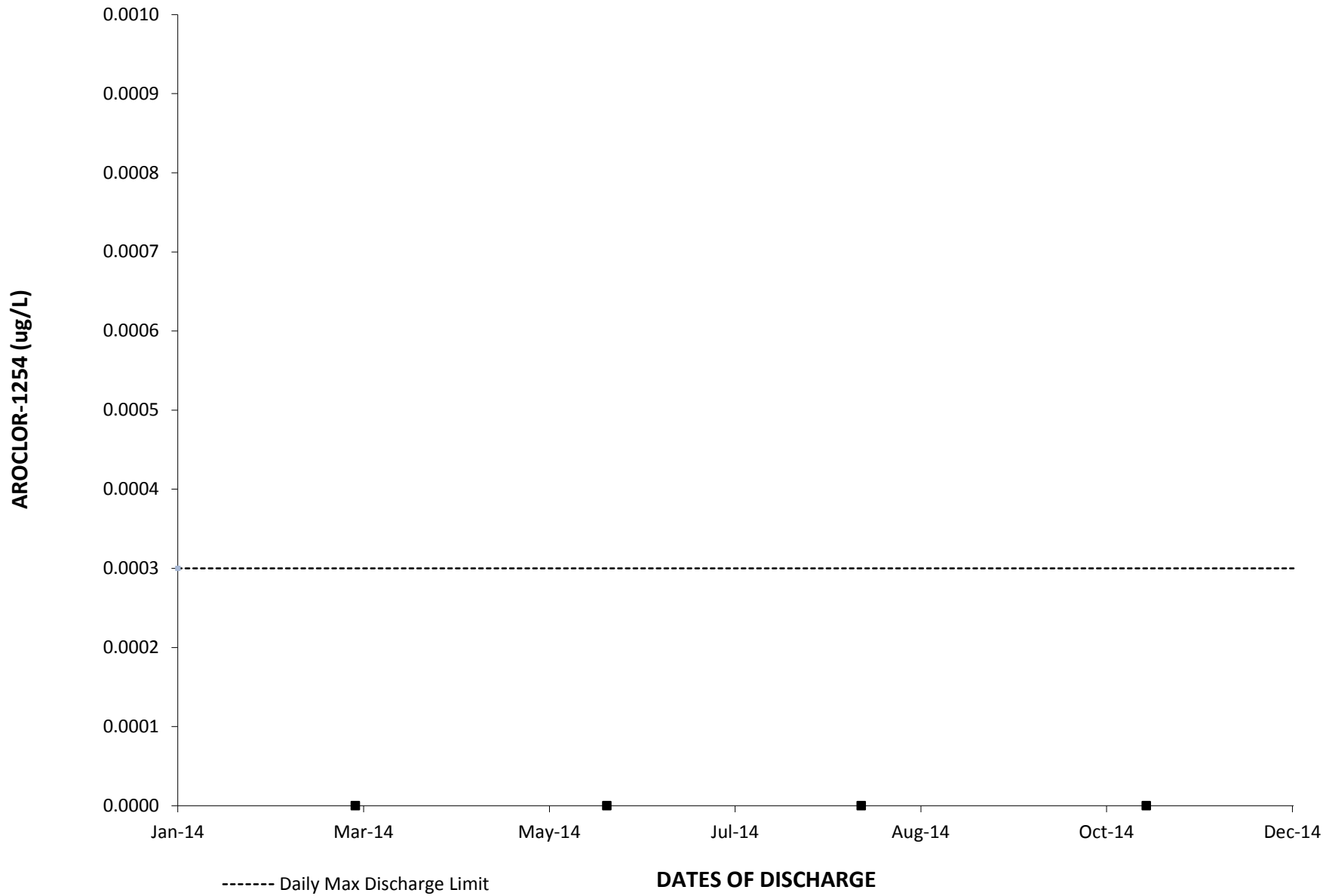
2014: ARROYO SIMI AROCLOR-1242 DAILY VALUE



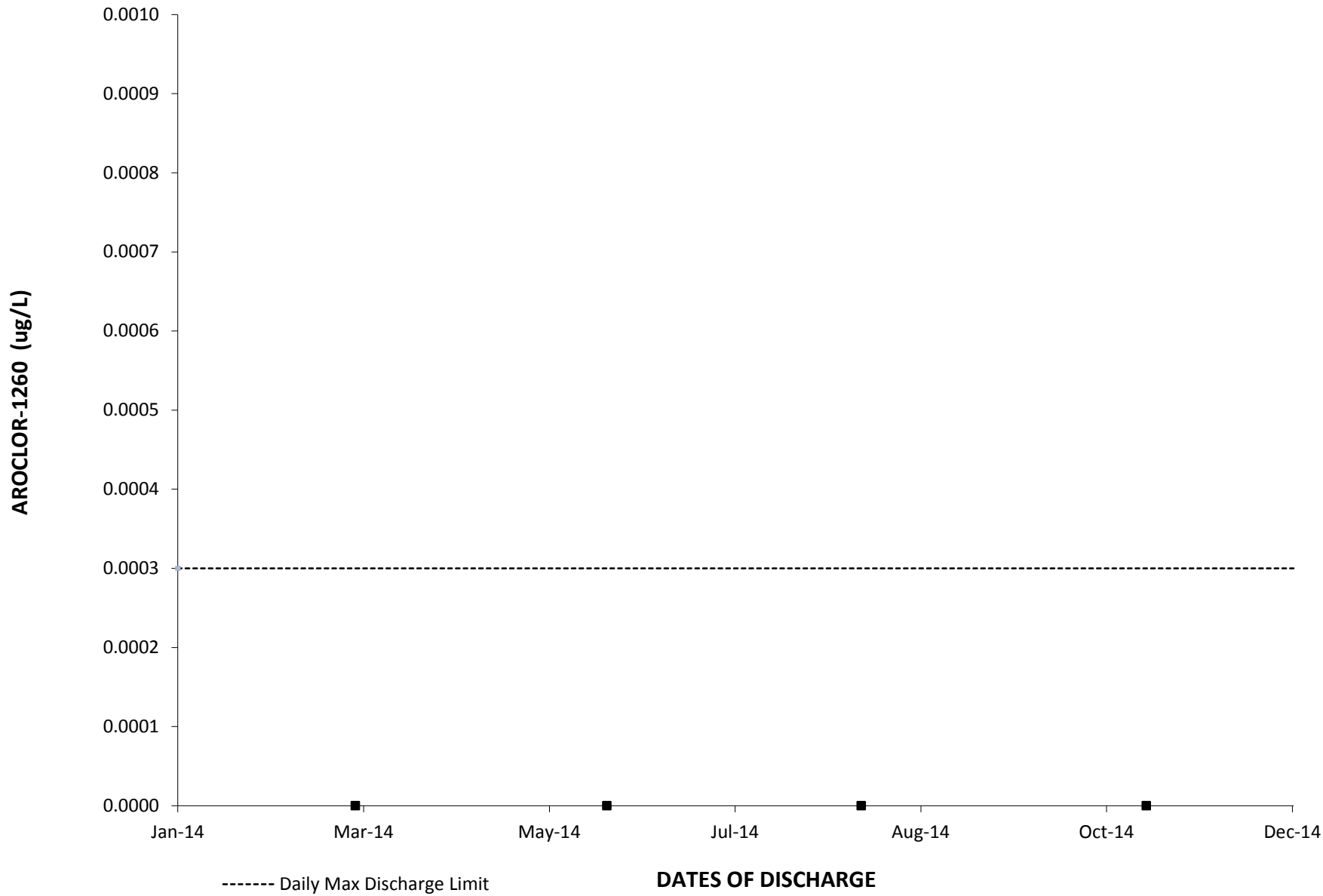
2014: ARROYO SIMI AROCLOR-1248 DAILY VALUE



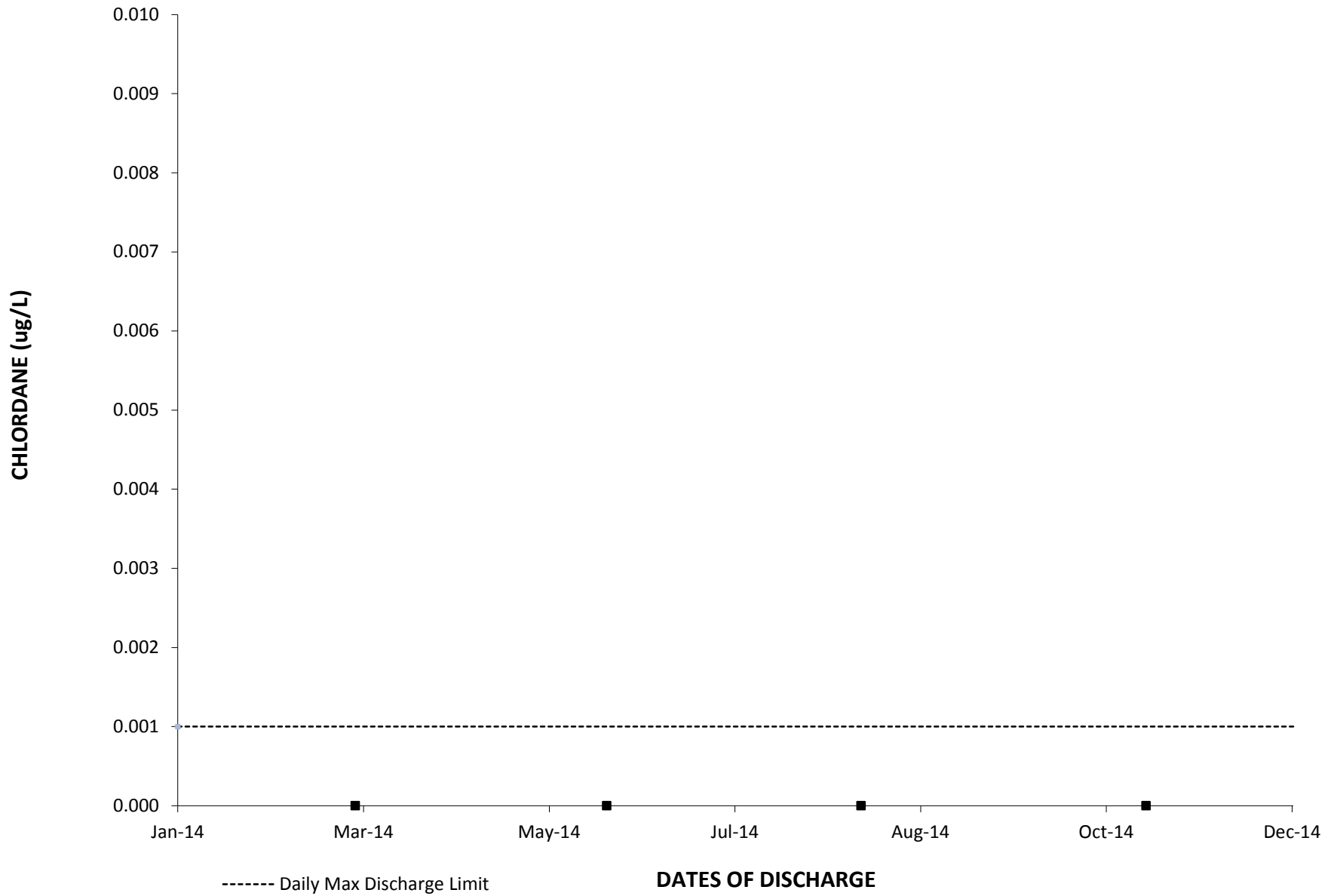
2014: ARROYO SIMI AROCLOR-1254 DAILY VALUE



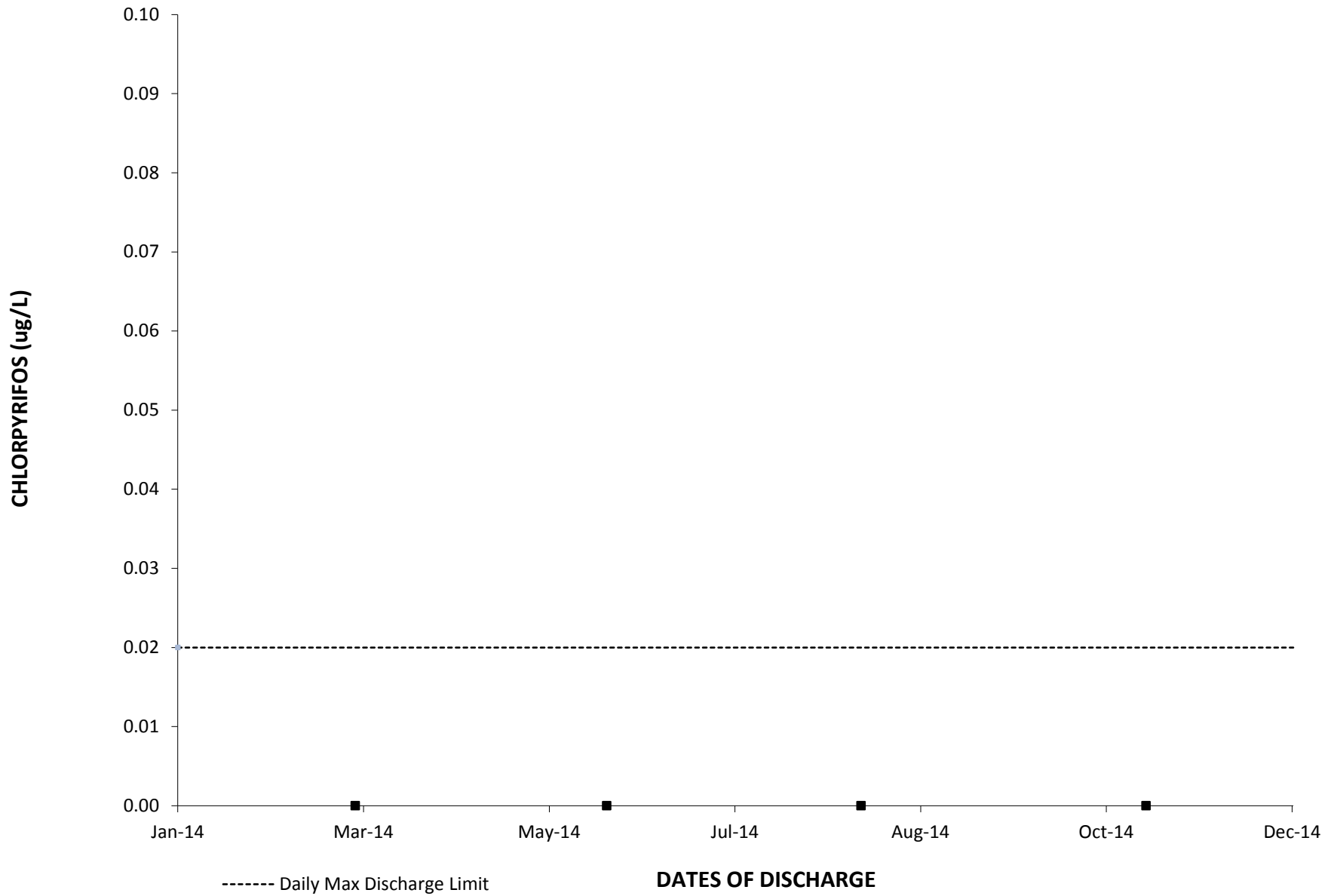
2014: ARROYO SIMI AROCLOR-1260 DAILY VALUE



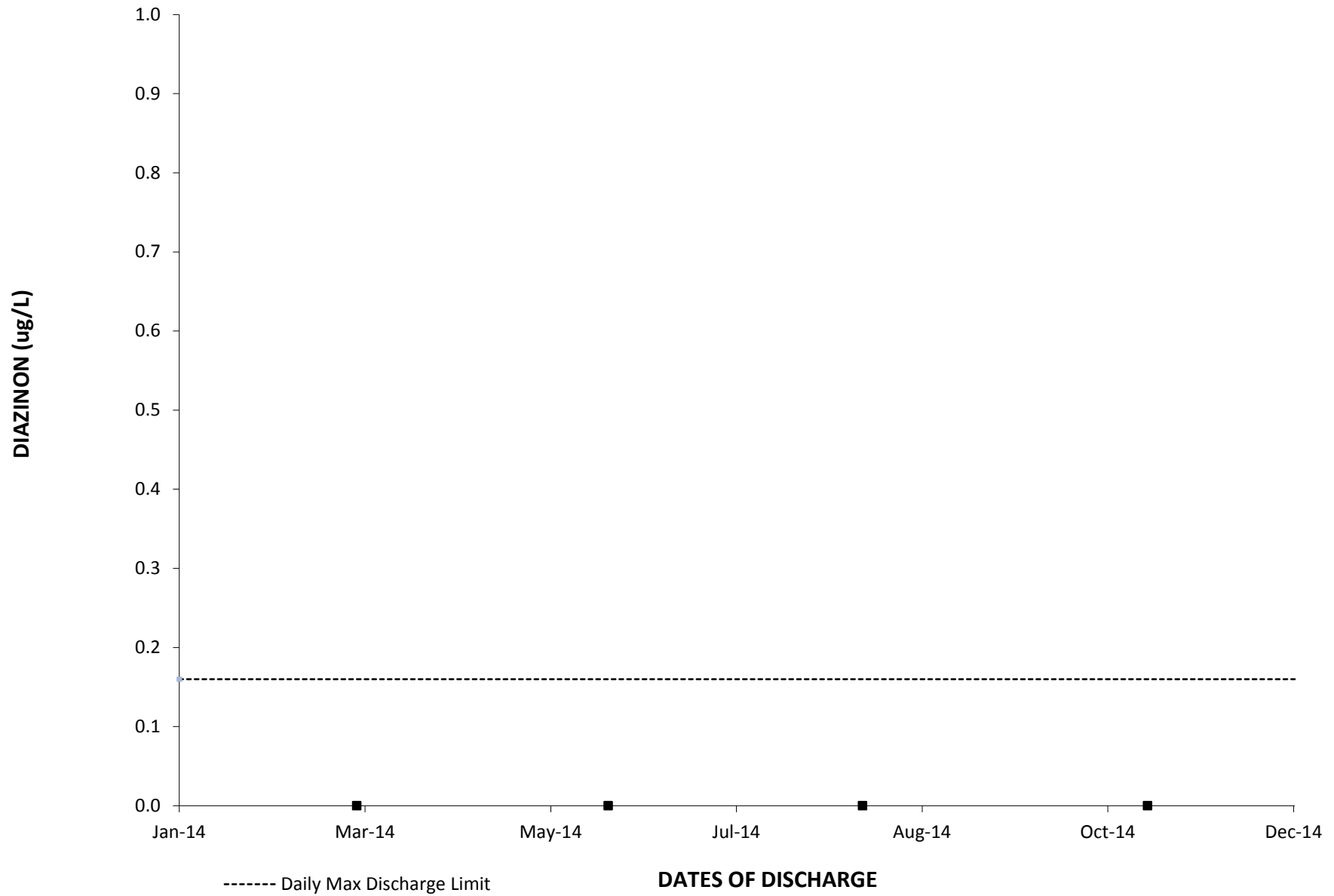
2014: ARROYO SIMI CHLORDANE DAILY VALUE



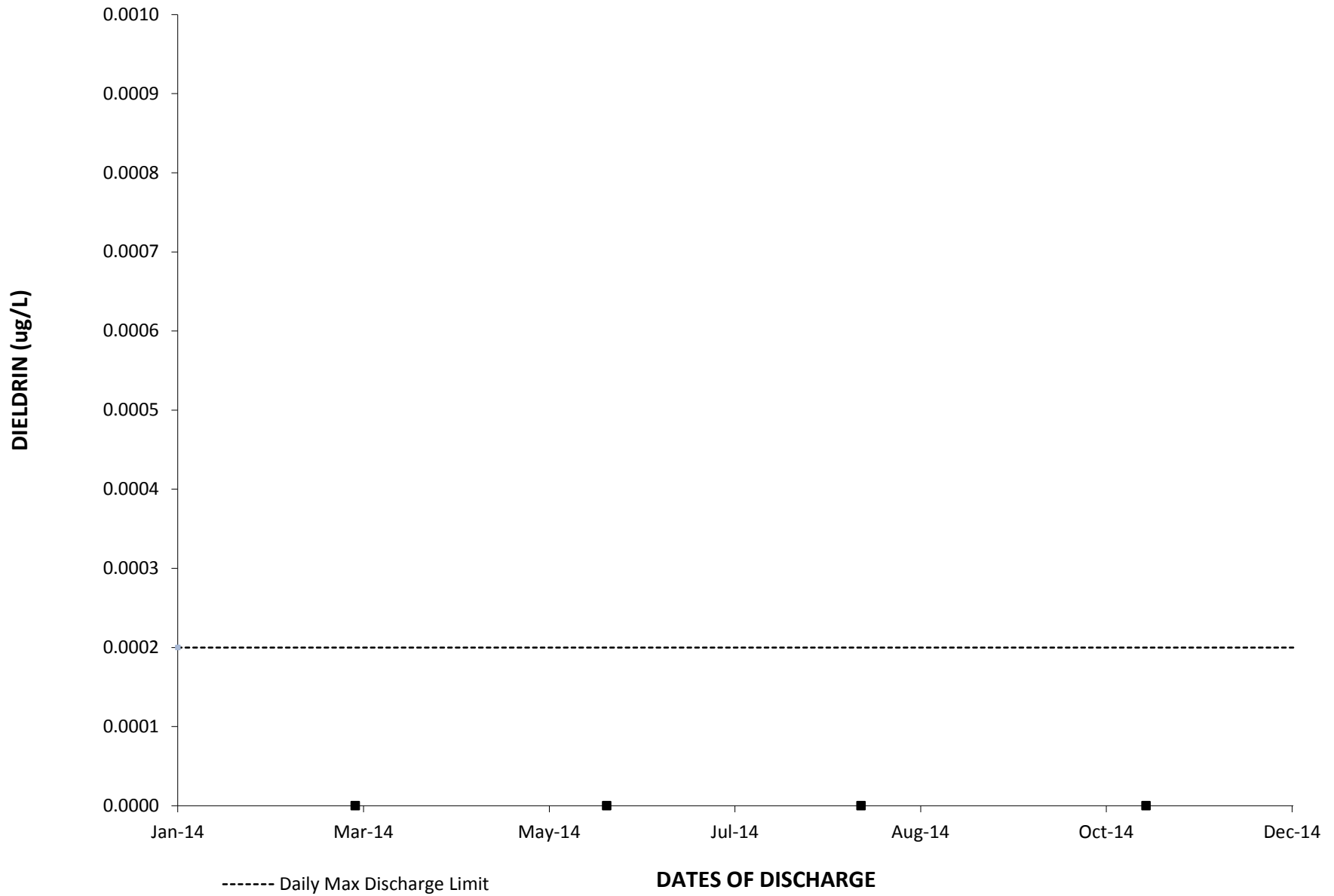
2014: ARROYO SIMI CHLORPYRIFOS DAILY VALUE



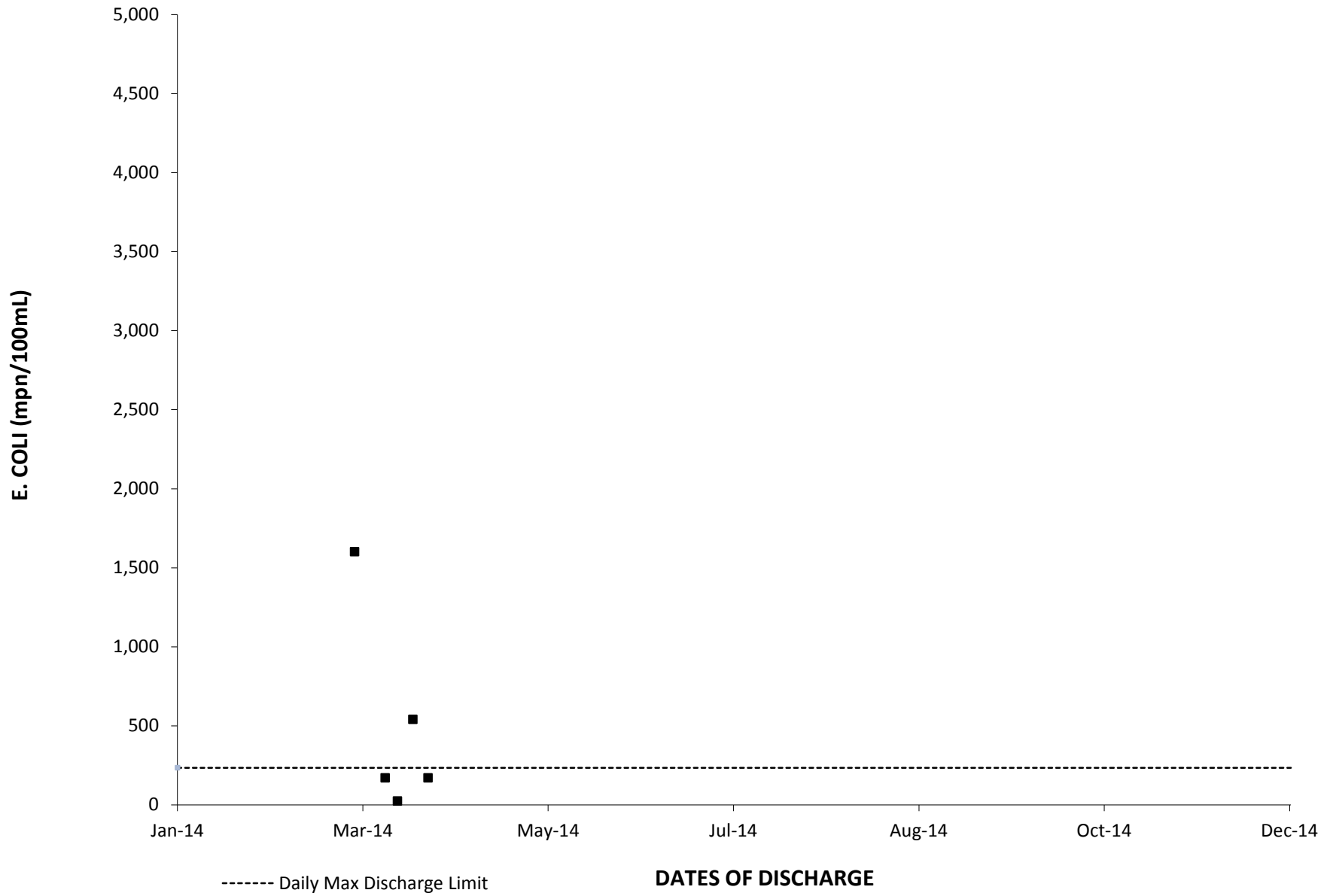
2014: ARROYO SIMI DIAZINON DAILY VALUE



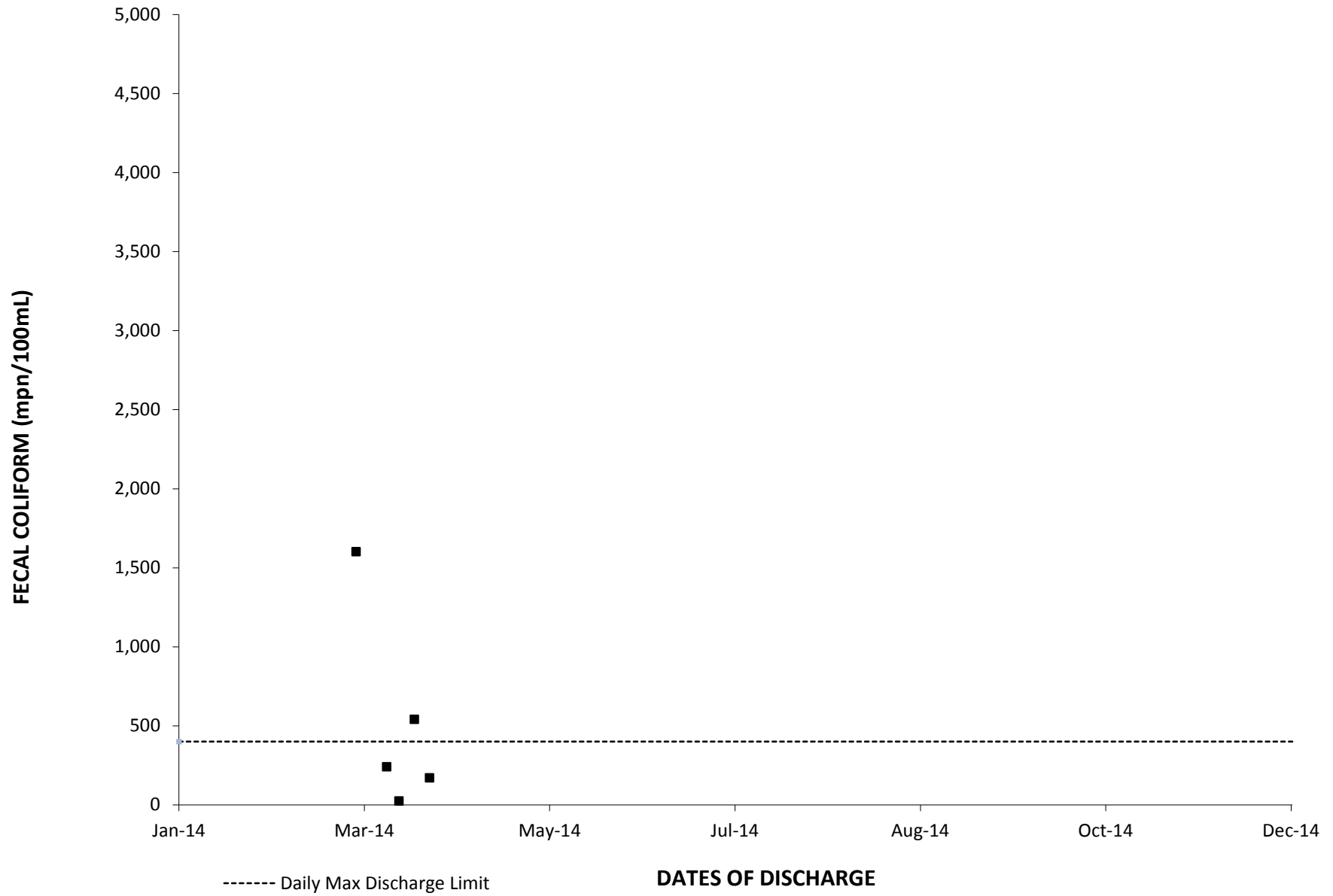
2014: ARROYO SIMI DIELDRLIN DAILY VALUE



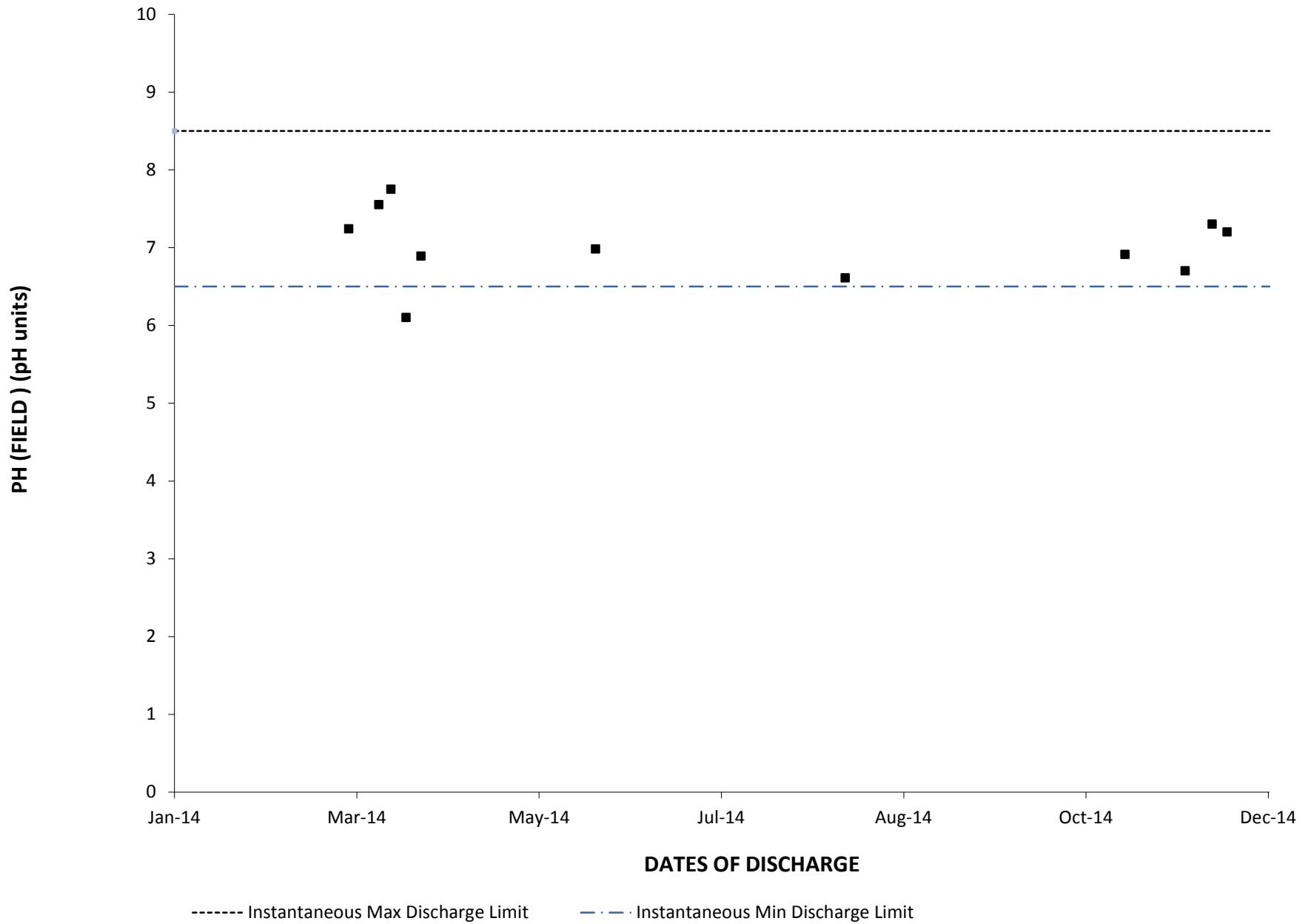
2014: ARROYO SIMI E. COLI DAILY VALUE



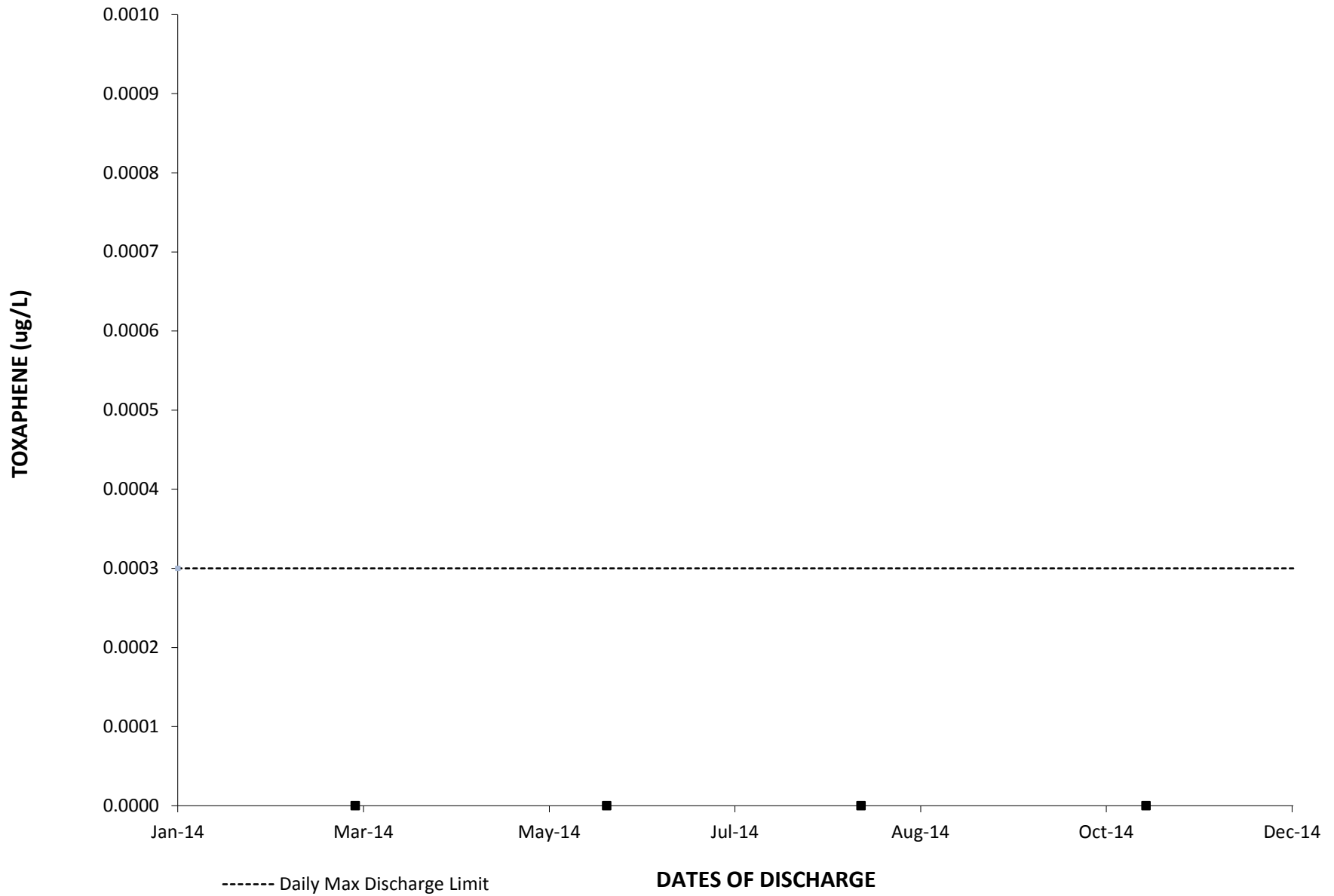
2014: ARROYO SIMI FECAL COLIFORM DAILY VALUE



2014: ARROYO SIMI PH (FIELD) DAILY VALUE



2014: ARROYO SIMI TOXAPHENE DAILY VALUE



ARROYO SIMI (FRONTIER PARK RECEIVING WATER), SEDIMENT

ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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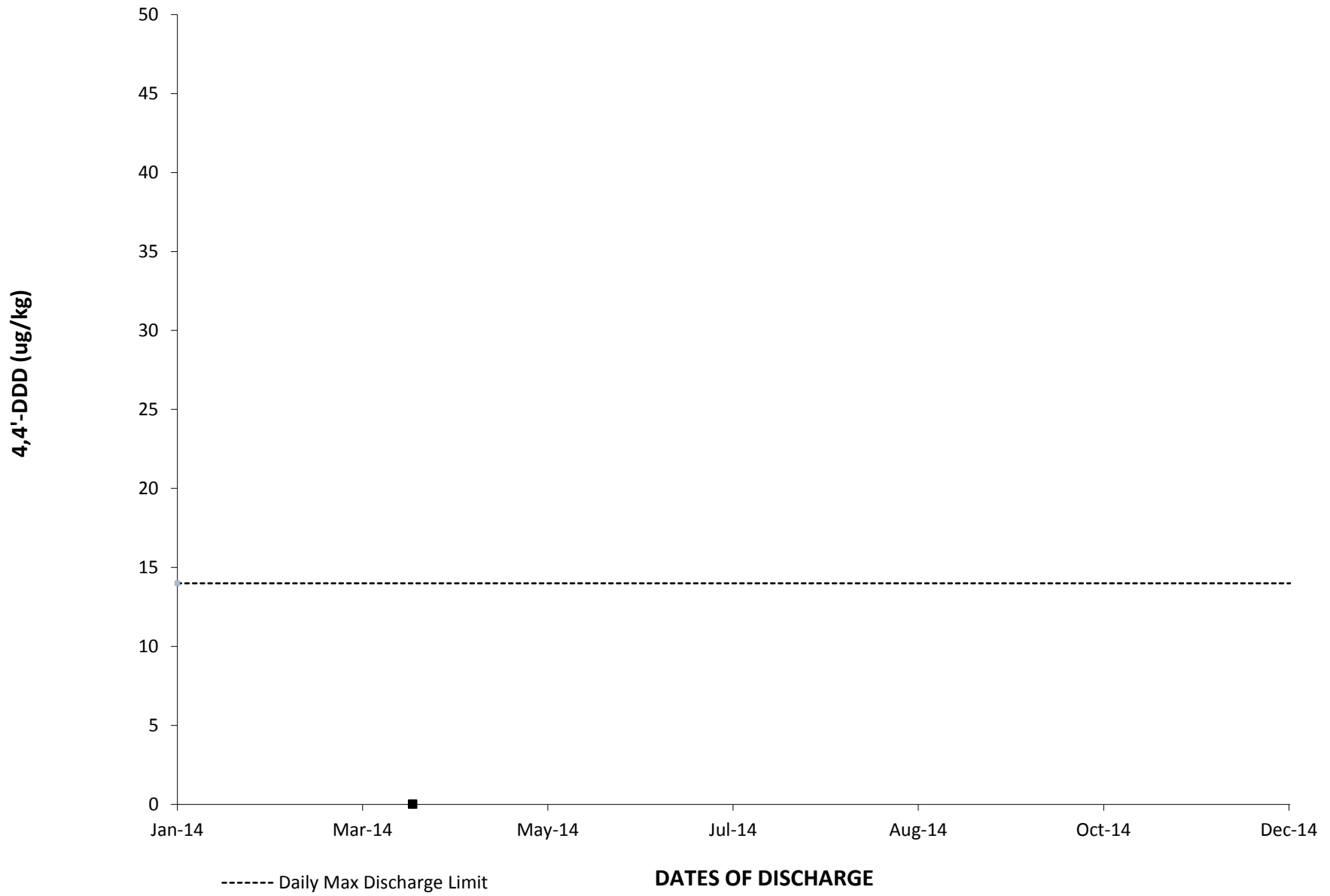
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	3/19/2014		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
POLLUTANTS WITH LIMITS						
4,4'-DDD	ug/kg	14/-	1/Year	Grab	ND < 1.5	*
4,4'-DDE	ug/kg	170/-	1/Year	Grab	ND < 1.5	*
4,4'-DDT	ug/kg	25/-	1/Year	Grab	ND < 1.5	*
Aroclor 1016	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1221	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1232	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1242	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1248	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1254	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Aroclor 1260	ug/kg	25,700/-	1/Year	Grab	ND < 17	*
Chlordane	ug/kg	3.3/-	1/Year	Grab	ND < 10	*
Toxaphene	ug/kg	230/-	1/Year	Grab	ND < 50	*
POLLUTANTS WITHOUT LIMITS						
Percent Moisture	%	-/-	1/Year	Grab	22	*
Ammonia as Nitrogen (N)	mg/kg	-/-	1/Year	Grab	3.35	J (DNQ)
Bivalve Embryo toxicity	%	-/-	1/Year	Grab	100	*
Conductivity (Field)	umhos/cm	-/-	1/Year	Grab	2.2	*
Dieldrin	ug/L	-/-	1/Year	Grab	ND < 1.5	*
Dissolved Oxygen (Field)	mg/L	-/-	1/Year	Grab	8.17	*
pH (Field)	pH Units	-/-	1/Year	Grab	6.1	*
Sediment toxicity	%	-/-	1/Year	Grab	100	*
Temperature (Field)	deg F	-/-	1/Year	Grab	56.8	*
Total Organic Carbon	mg/kg	-/-	1/Year	Grab	ND < 2,500	*
Water Velocity	ft/sec	-/-	1/Year	Meas	0.0	*
PARTICLE SIZE DISTRIBUTION						
Coarse Sand	%	-/-	1/Year	Grab	12.85	*
Fine Sand	%	-/-	1/Year	Grab	4.27	*
Gravel	%	-/-	1/Year	Grab	8.63	*
Medium Sand	%	-/-	1/Year	Grab	73.94	*
Silt/Clay	%	-/-	1/Year	Grab	0.31	*
ADDITIONAL POLLUTANTS						
Turbidity (Field)	NTU	-/-	Additional	Grab	7.5	*

ANALYTICAL RESULT CHARTS

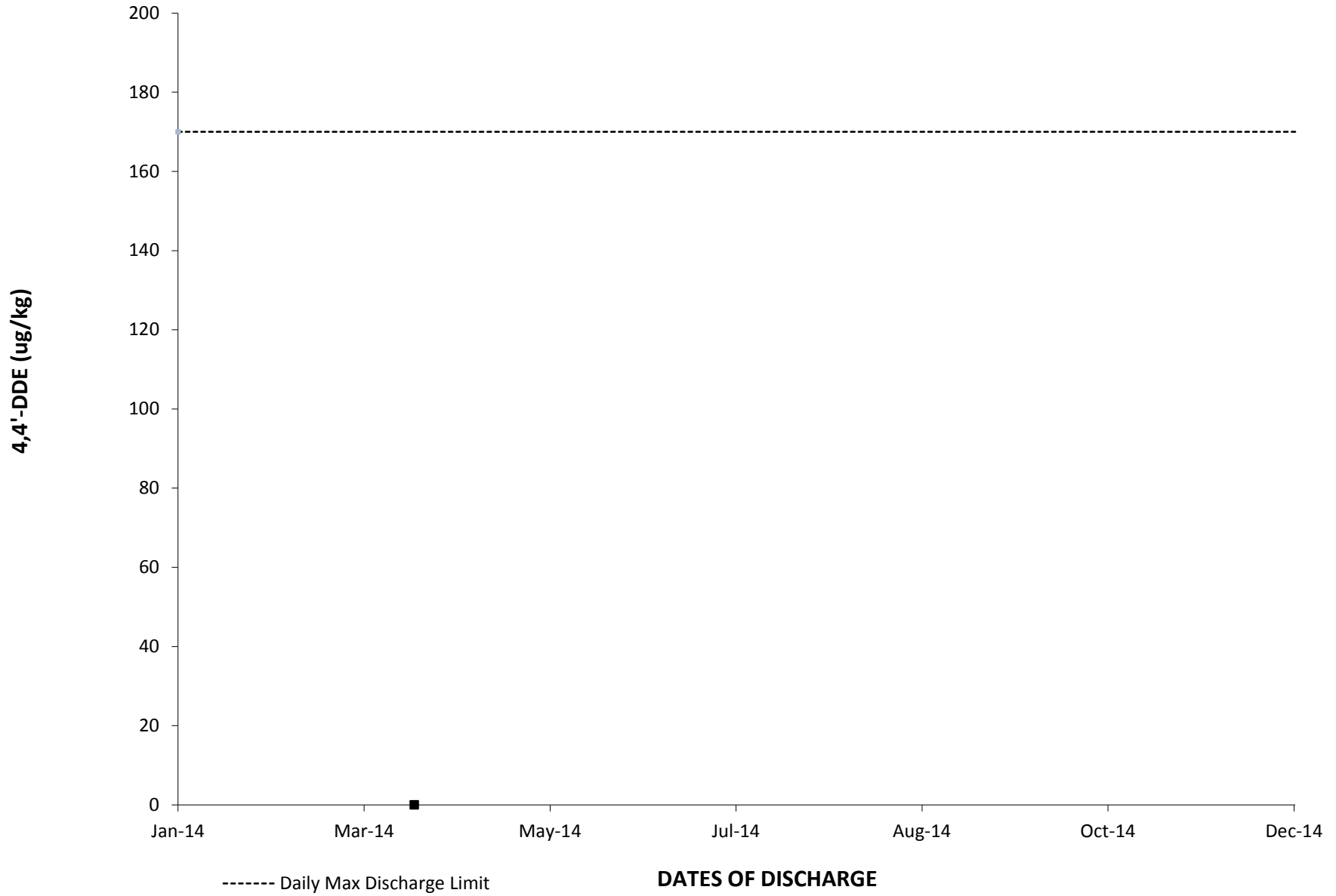
ARROYO SIMI (FRONTIER PARK RECEIVING WATER), SEDIMENT

POLLUTANTS WITH LIMITS

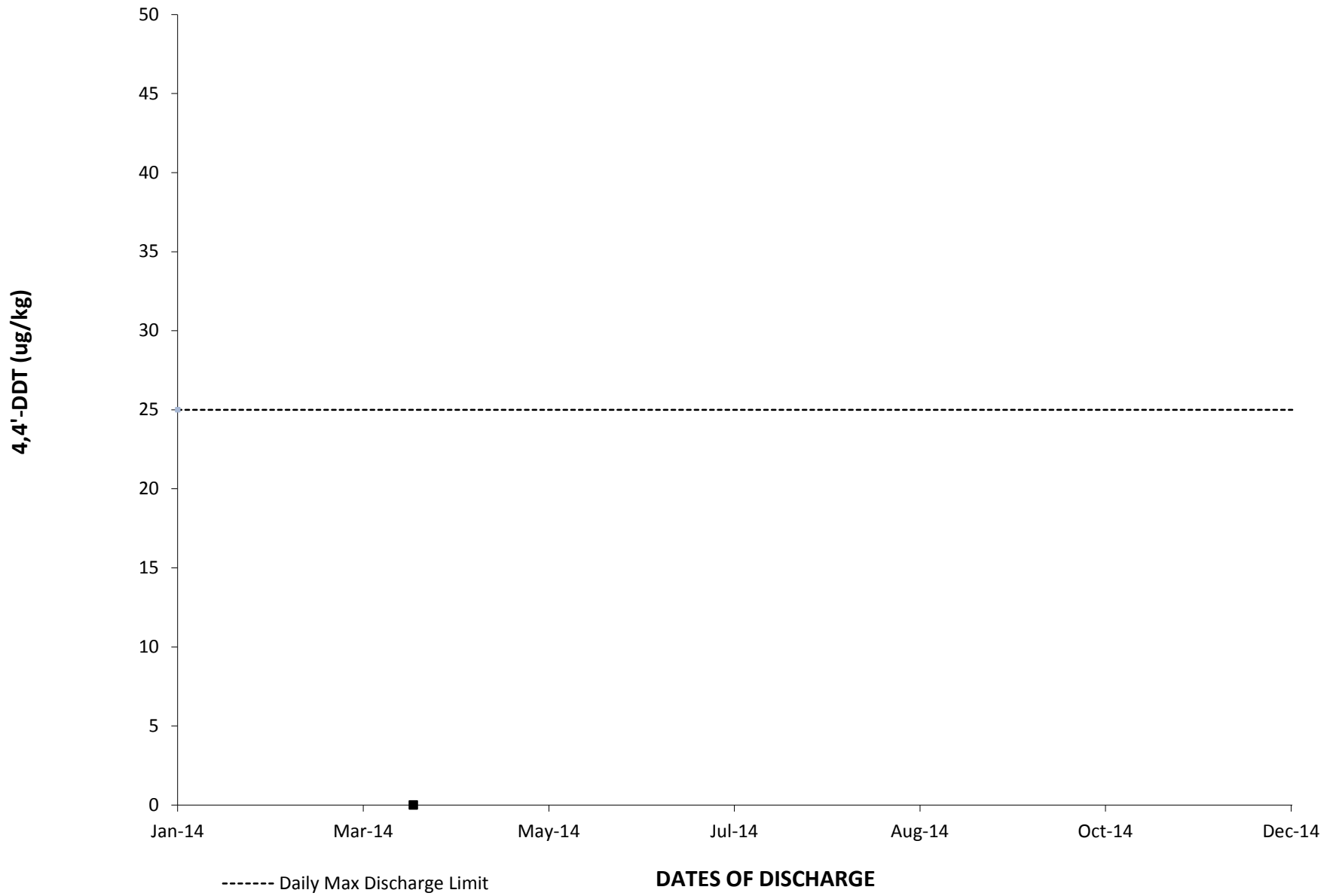
2014: ARROYO SIMI SEDIMENT 4,4'-DDD DAILY VALUE



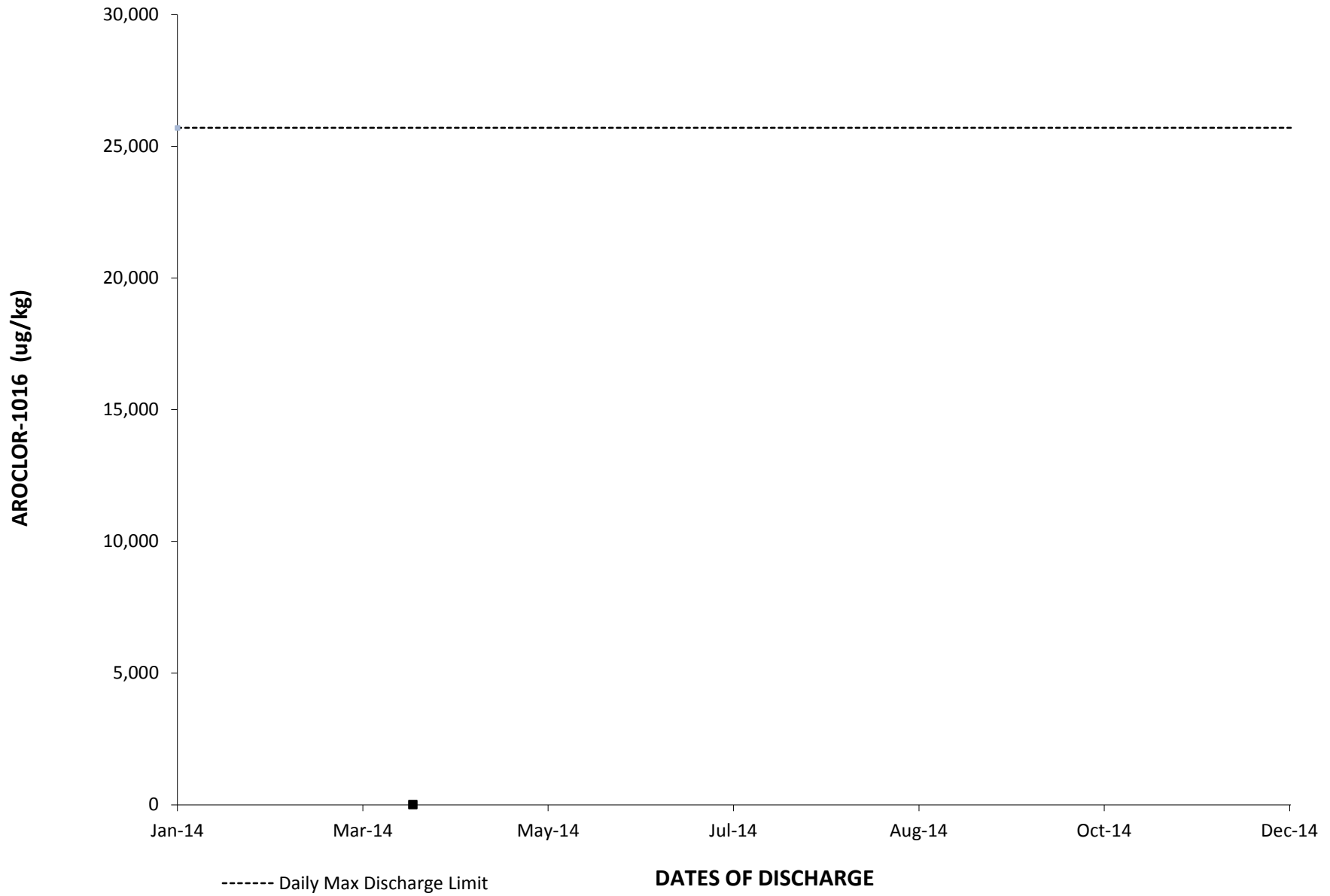
2014: ARROYO SIMI SEDIMENT 4,4'-DDE DAILY VALUE



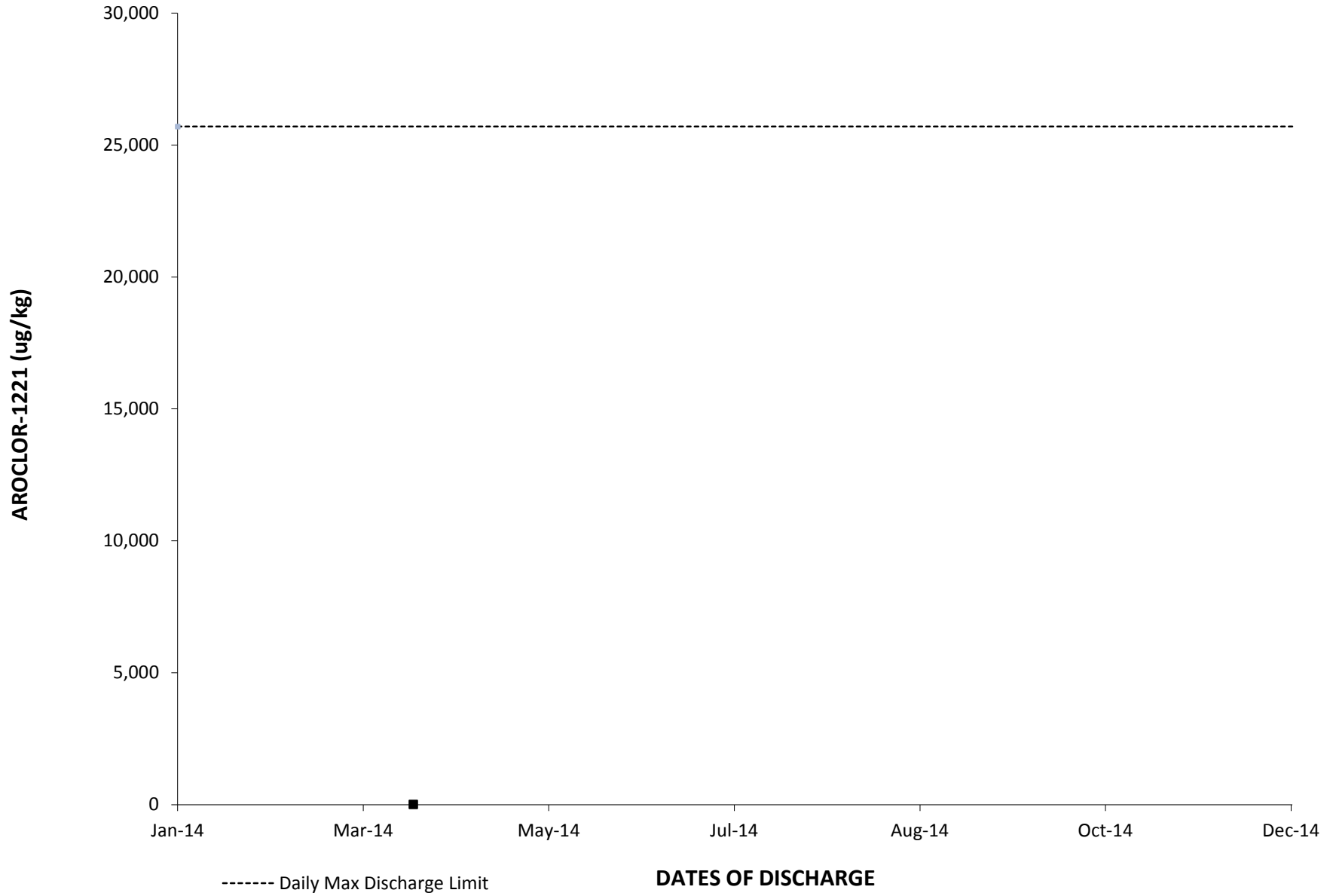
2014: ARROYO SIMI SEDIMENT 4,4'-DDT DAILY VALUE



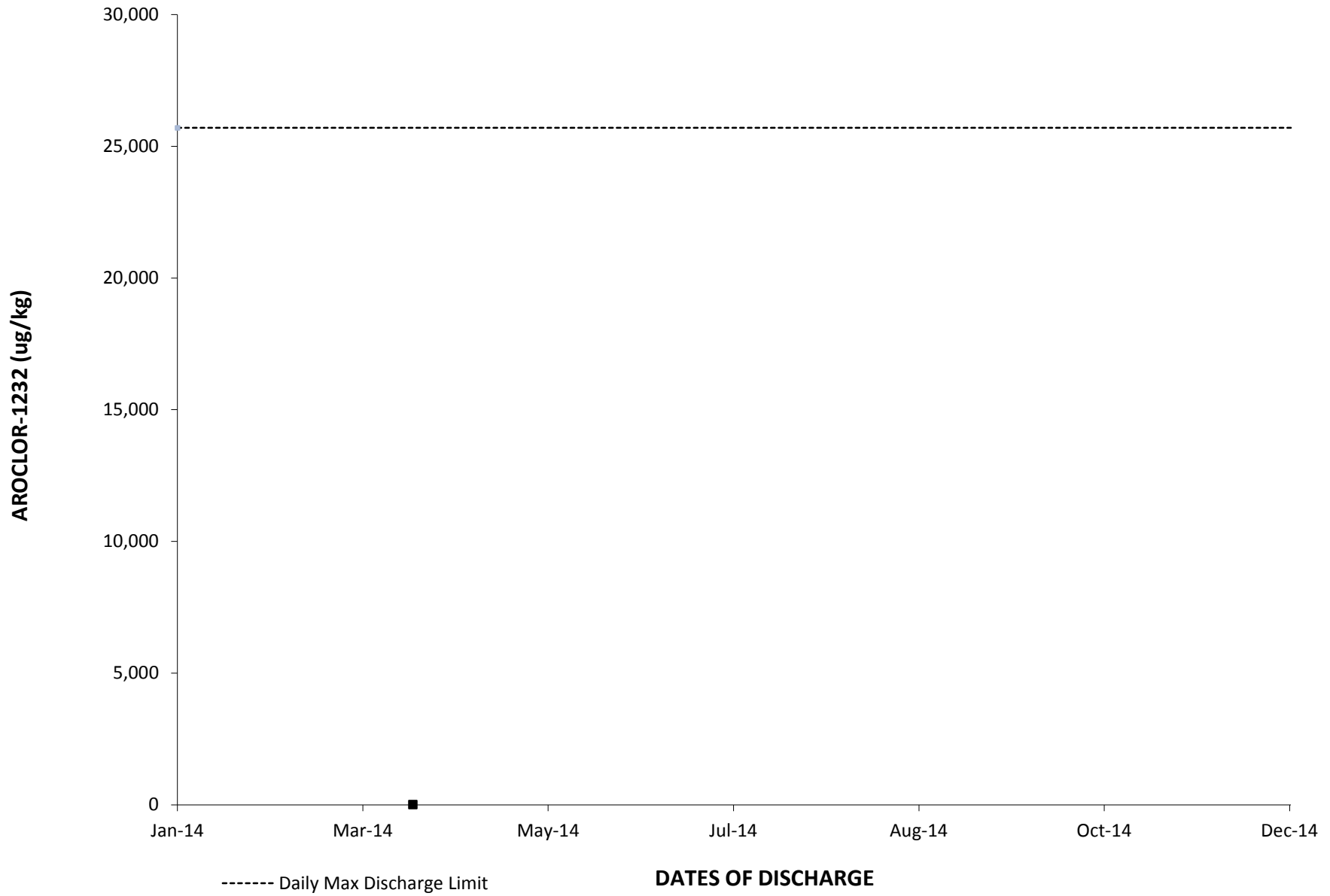
2014: ARROYO SIMI SEDIMENT AROCLOR-1016 DAILY VALUE



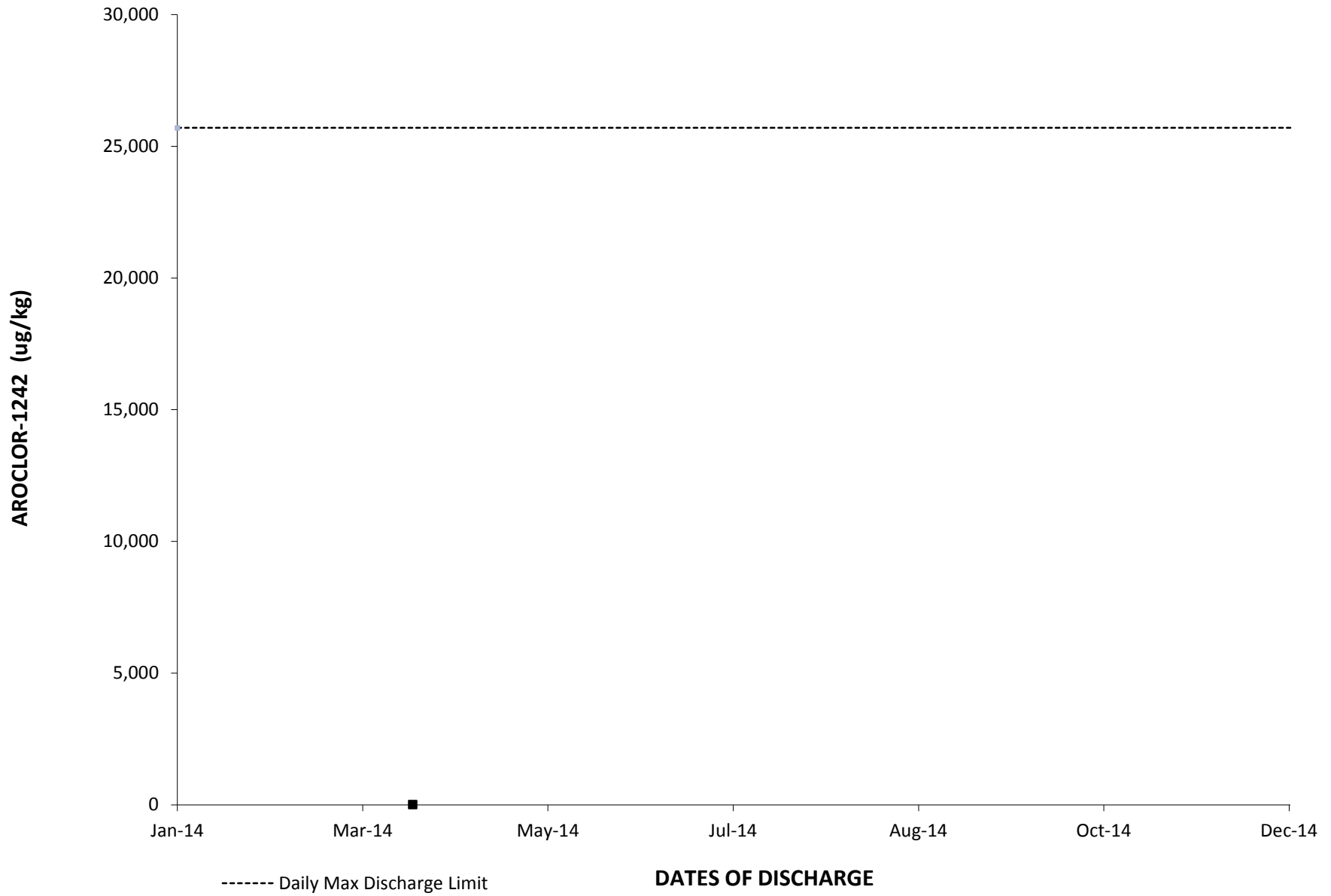
2014: ARROYO SIMI SEDIMENT AROCLOR-1221 DAILY VALUE



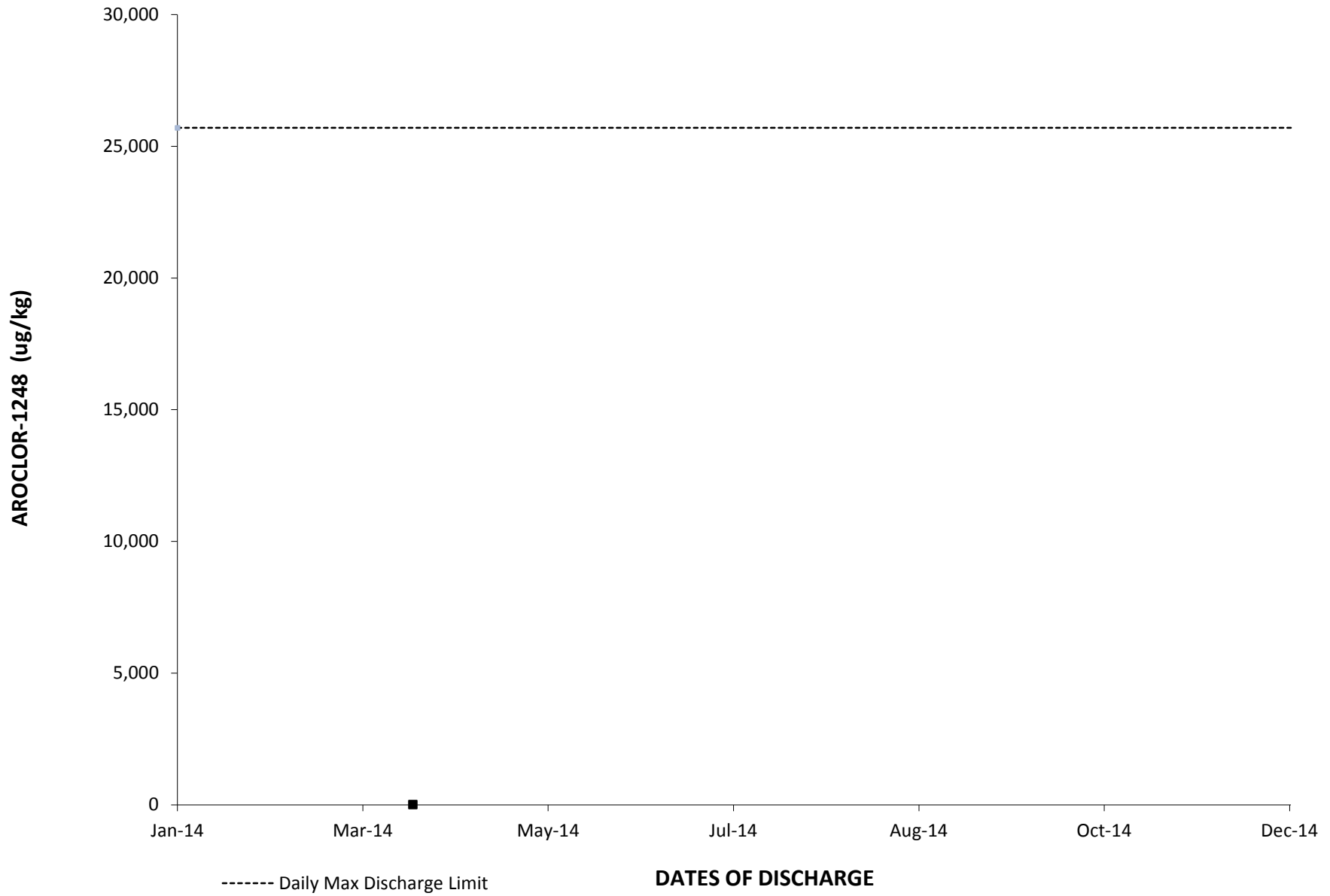
2014: ARROYO SIMI SEDIMENT AROCLOR-1232 DAILY VALUE



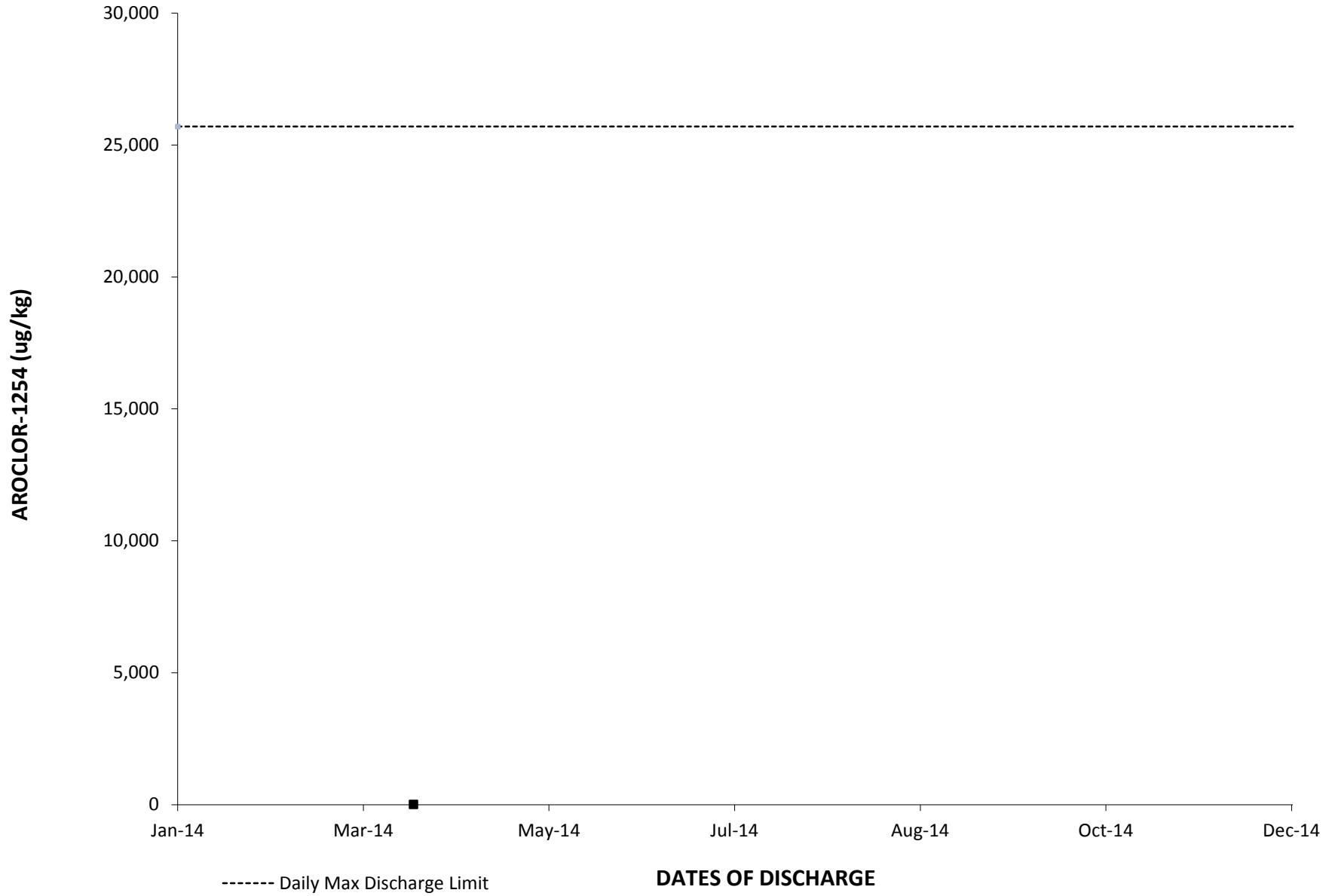
2014: ARROYO SIMI SEDIMENT AROCLOR-1242 DAILY VALUE



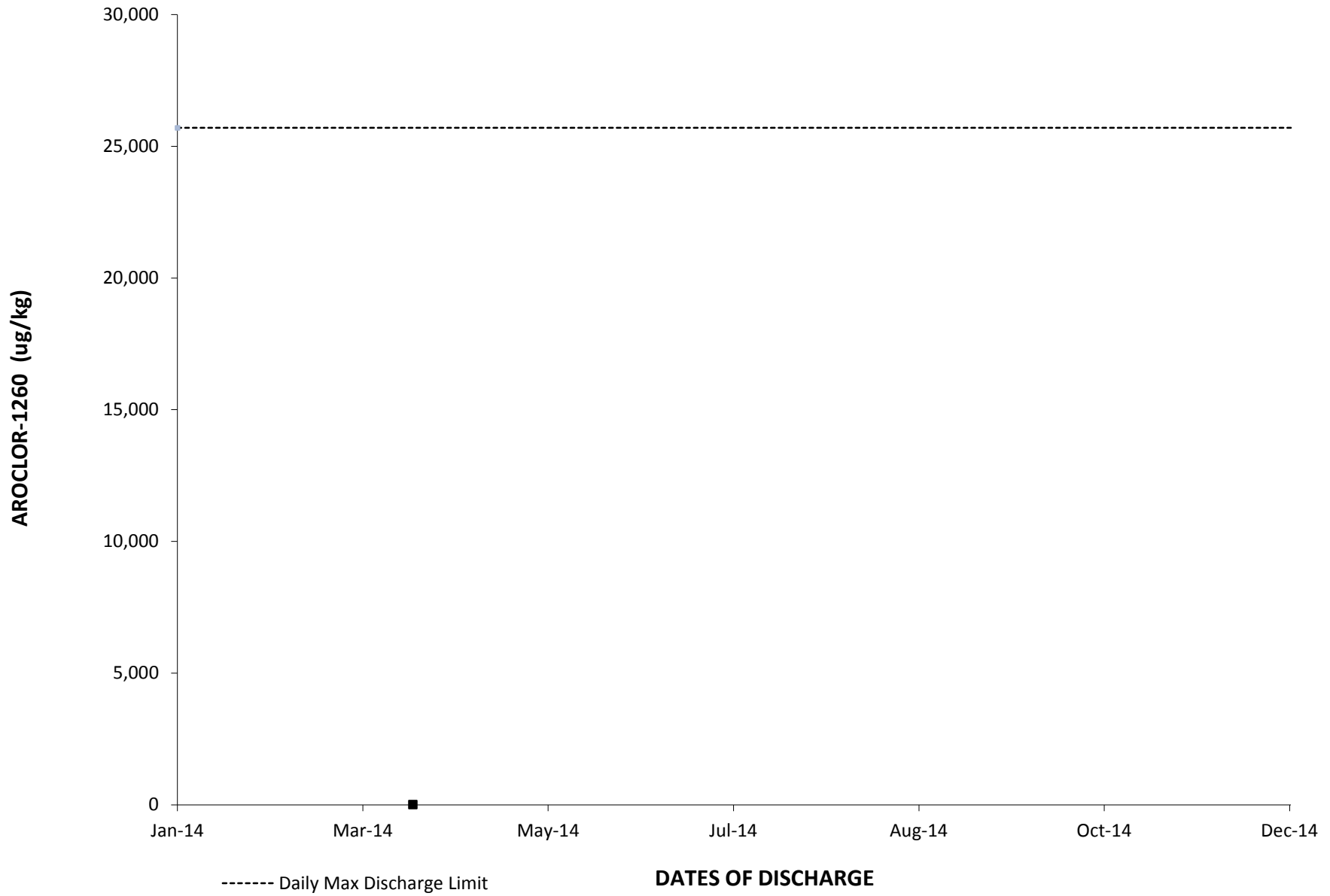
2014: ARROYO SIMI SEDIMENT AROCLOR-1248 DAILY VALUE



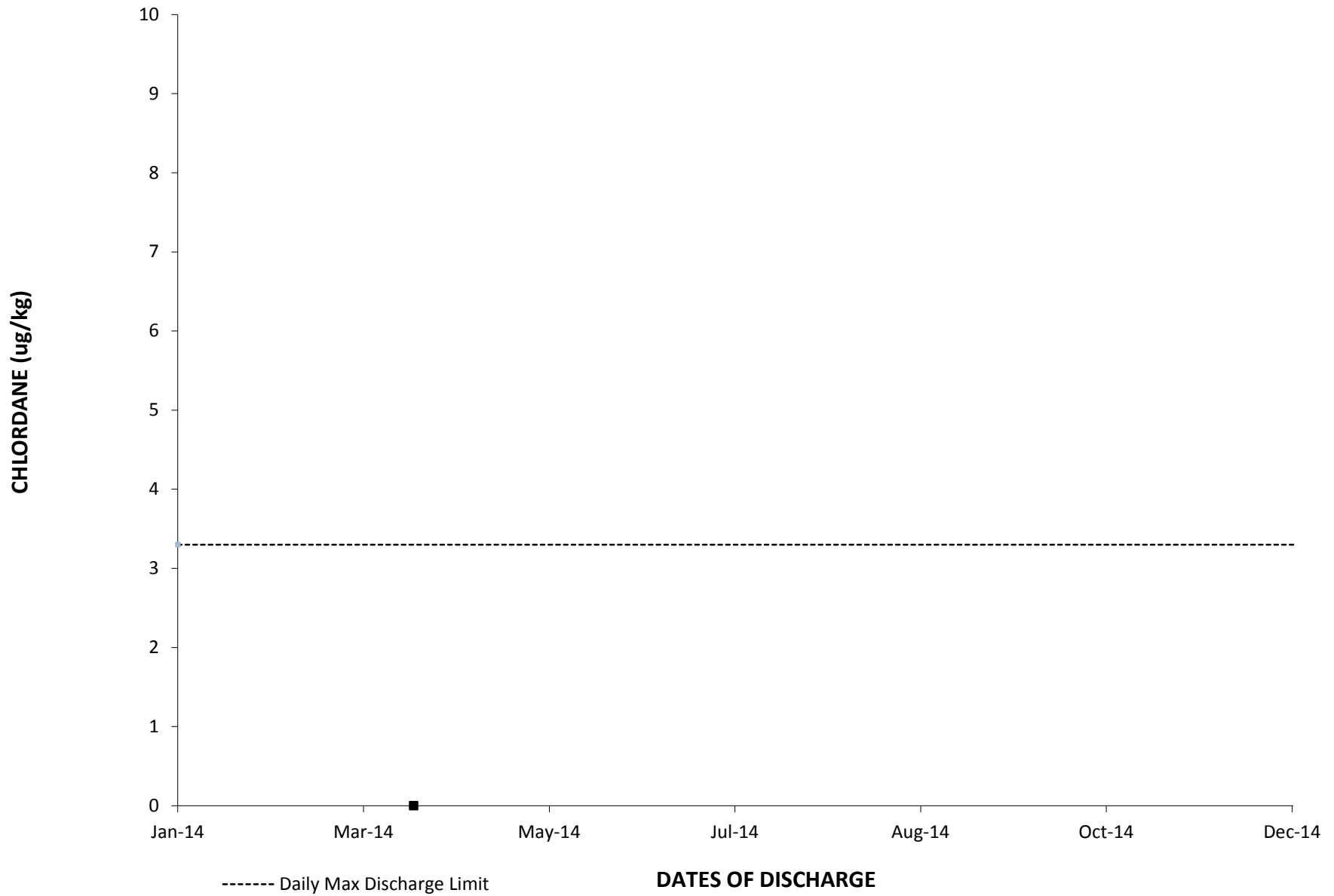
2014: ARROYO SIMI SEDIMENT AROCLOR-1254 DAILY VALUE



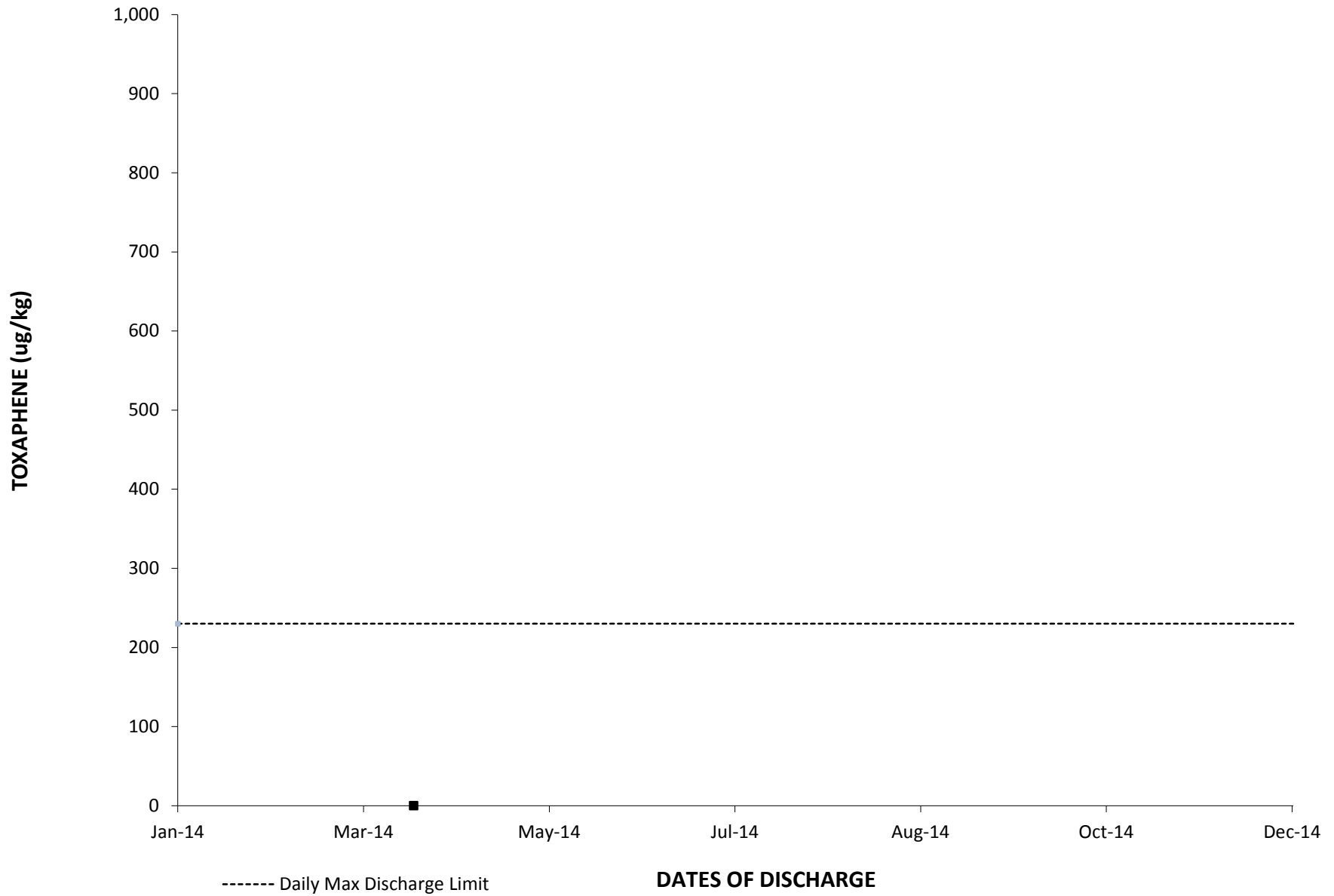
2014: ARROYO SIMI SEDIMENT AROCLOR-1260 DAILY VALUE



2014: ARROYO SIMI SEDIMENT CHLORDANE DAILY VALUE



2014: ARROYO SIMI SEDIMENT TOXAPHENE DAILY VALUE



APPENDIX H

Reasonable Potential Analysis (RPA) Summary Tables

**ANNUAL 2014
REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Notes:

1. The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in *Reasonable Potential Analysis Methodology Technical Memo* (MWH and Flow Science, 2006).
2. The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from the present reporting quarter.
3. As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF), and summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 37, of the NPDES Permit Effective June 3, 2010.
4. In calculating the average, standard deviation, coefficient of variation, and projected maximum effluent concentration (99/99), one-half of the MDL was used for concentration results reported as ND. Data reported with qualifiers were not included in this RPA as Boeing believes qualified data are not "appropriate, valid, relevant, (nor) representative"¹ of storm water constituents and are therefore not utilized in its RPA.
5. All of the following abbreviations and/or notes may not occur on every table.

Definition of Acronyms, Abbreviations, and Terminology Used

>=	Greater than or equal to
*	Freshwater aquatic life criteria for metals are expressed as a function of total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2000). Values displayed correspond to a total hardness of 100 mg/l.
µg/L	Concentration units, micrograms per liter
All Data Qualified	All available monitoring data are qualified and no statistical analysis is performed.
Annually	The 2010 NPDES Permit requires annual monitoring.
Available Data < DL	All available monitoring data that are not qualified are below detection limits.
B	Background
C	Concentration
CCC	Criterion Continuous Concentration
CMC	Criterion Maximum Concentration
CTR	California Toxics Rule
CV	Coefficient of Variation
DL	Detection Limit
EPA TSD	EPA's Technical Support Document for Water Quality Based Toxics Control, (see references).
Fibers/L	Units for asbestos concentration, fibers per liter

¹ SIP, p. 5.

**ANNUAL 2014
REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

HH O	Human Health criteria for consumption of Organisms only
HH W&O	Human Health criteria for consumption of Water and Organisms
MEC	Maximum Observed Effluent Concentration
Min	Minimum
NA	Not Applicable
Narrative	Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations.
None	No available CTR or Basin Plan criteria.
pH Dependent	CTR Criteria are based on pH.
Once Per Discharge	The 2010 NPDES Permit requires monitoring once per discharge event.
Qualified Data	Data qualifier definitions are: (a) J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL), (b) U/UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL), (c) B - Analyte found in sample and associated blank, and (d) DNQ- Detected Not Quantified.
Reserved	EPA has reserved the CTR criteria.
RPA	Reasonable Potential Analysis
SIP	The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references).
Tot	Total

Priority Pollutant RPA Column Explanation

CTR	Provides CTR constituent reference number.
Constituent	Provides CTR constituent common name.
Units	Provides the data set's concentration units as referenced by 2010 NPDES Permit.
MEC	Provides the outfall monitoring group's maximum value from the applicable data set.
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
<i>Step 1 identifies all applicable water quality criteria.</i>	
CTR Criteria	Concentration criteria as listed in the CTR.
CMC = Acute	The Freshwater CMC is listed as the acute concentration criterion.
CCC = Chronic	The Freshwater CCC is listed as the chronic concentration criterion.
HH W&O (Not App)	The HH W&O is deemed not applicable based on past Regional Board RPAs.
HH O = HH	The HH O is listed as the CTR human health concentration criterion.
Basin Plan Criteria	Applicable Basin Plan Criteria are listed for the Los Angeles River and/or Calleguas Creek watersheds.
C = Lowest Criteria	The comparison concentration (C) is equal to the lowest criterion for a constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed.
<i>Step 2 defines the applicable data set.</i>	
Is Effluent Data Available	If all data is qualified, then NO. If not, then YES.

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Priority Pollutant RPA Column Explanation (Continued)

<i>Step 3 determines the maximum observed effluent concentration.</i>	
Was Constituent Detected in Effluent Data	If the constituent was detected, then YES. If all monitoring data are non-detect or qualified then NO.
Are all DL >C	If constituent was detected in effluent data then not applicable (NA). If constituent was not detected and all analysis detection limits are greater than the comparison concentration, then YES, if not then NO.
If DL > C, MEC = Min (DL)	If the previous cell answer was yes, then the MEC is equal to the minimum detection limit. If not, then NA.
<i>Step 4 compares the MEC to the lowest applicable water quality criteria.</i>	
MEC >= C	If the MEC is greater than or equal to the comparison concentration then YES, if not then NO.

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to Boeing SSFL because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing SSFL defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Non-priority Pollutant RPA Column Explanation

Constituent	Provides the Non Priority Pollutant constituent common name
Monitoring	Provides the 2010 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units as referenced by 2009 NPDES Permit
Number of Samples	Provides the number of available samples that are not qualified
MEC	Provides the outfall monitoring group's maximum value from the applicable data set
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Multiplier	Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991)
Projected Maximum Effluent Concentration	Utilizes the product of the multiplier and the MEC as an estimate for the projected maximum effluent concentration.
Dilution Ratio	The Regional Board allocates no dilution ratio to Boeing SSFL.
Background Concentration	The Regional Board allocates no background concentration to Boeing SSFL.
Projected Maximum Receiving Water Concentration	The Regional Board estimates the projected maximum receiving water concentration as equal to the projected maximum effluent concentration.
Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria as noted in the Reasonable Potential Analysis Methodology Technical Memo.
BU – Beneficial Use Protection, NC – Human Non-carcinogen, AP- Aquatic Life Protection, TMDL – Total Maximum Daily Load	This is the Regional Board's Basis for determining if reasonable potential should be evaluated for a non-priority pollutant.

Note: Boeing SSFL has completed appropriate statistical calculations, but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

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References:

1. Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.
2. MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo- Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.
3. State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.
4. US EPA, *40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California*,(CTR) Federal Registry, 2011, pp. 496 - 507
5. US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

**TABLE H-1
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011 AND 018)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C						C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C
					CTR CRITERIA				Basin Plan Title 22 GWR	Are all Detection Limits > C			If DL > C, MEC = Min (DL)		
					Freshwater		Human Health								
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Was Constituent Detected in Effluent Data						
001	Antimony	ug/L	Available Data <DL	0.60	NONE	NONE	14	4,300	6	6	Yes	No	No	NA	No
002	Arsenic	ug/L	All Data Qualified	0.60	340	150	NONE	NONE	50	50	No	No	No	NA	No
003	Beryllium	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	4	4	Yes	No	No	NA	No
004	Cadmium	ug/L	Available Data <DL	0.60	4.3	2.2	Narrative	Narrative	5	2.2	Yes	No	No	NA	No
005a	Chromium	ug/L	Available Data <DL	0.60	550	180	Narrative	Narrative	50	50	Yes	No	No	NA	No
005b	Chromium VI	ug/L	Available Data <DL	0.60	16	11	Narrative	Narrative	NONE	11	Yes	No	No	NA	No
006	Copper	ug/L	3.2	0.60	13	9	1,300	NONE	NONE	9	Yes	Yes	NA	NA	No
007	Lead	ug/L	Available Data <DL	0.60	65	2.5	Narrative	Narrative	NONE	2.5	Yes	No	No	NA	No
008	Mercury	ug/L	Available Data <DL	0.60	Reserved	Reserved	0.05	0.051	2	0.051	Yes	No	Yes	0.051	No
009	Nickel	ug/L	Available Data <DL	0.60	470	52	610	4,600	100	52	Yes	No	No	NA	No
010	Selenium	ug/L	Available Data <DL	0.60	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
011	Silver	ug/L	Available Data <DL	0.60	3.4	NONE	NONE	NONE	NONE	3.4	Yes	No	No	NA	No
012	Thallium	ug/L	All Data Qualified	0.60	NONE	NONE	1.7	6.3	2	2	No	No	No	NA	No
013	Zinc	ug/L	All Data Qualified	0.60	120	120	NONE	NONE	NONE	120	No	No	No	NA	No
014	Total Cyanide	ug/L	Available Data <DL	0.60	22	5.2	700	220,000	200	5.2	Yes	No	No	NA	No
015	Asbestos	Fibers/L	Not Analyzed	0.60	NONE	NONE	7,000,000	NONE	7,000,000	7000000	No	NA	NA	NA	NA
016	TCDD TEQ_NoDNQ	ug/L	Not Analyzed	0.60	NONE	NONE	1.30E-08	1.40E-08	3.00E-08	0.000000014	No	NA	NA	NA	NA
017	Acrolein	ug/L	Available Data <DL	0.60	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
018	Acrylonitrile	ug/L	Available Data <DL	0.60	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	0.66	No
019	Benzene	ug/L	Available Data <DL	0.60	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
020	Bromoform	ug/L	Available Data <DL	0.60	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
021	Carbon Tetrachloride	ug/L	Available Data <DL	0.60	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
022	Chlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
023	Dibromochloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
024	Chloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
026	Chloroform	ug/L	Available Data <DL	0.60	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	No	NA	No
027	Bromodichloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No
028	1,1-Dichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
029	1,2-Dichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
030	1,1-Dichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
031	1,2-Dichloropropane	ug/L	Available Data <DL	0.60	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
032	cis-1,3-Dichloropropene	ug/L	Available Data <DL	0.60	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No

**TABLE H-1
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011 AND 018)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C	
					CTR CRITERIA				Basin Plan Title 22 GWR			Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
					Freshwater		Human Health								
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
032a	trans-1,3-Dichloropropene	ug/L	Available Data <DL	0.60	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
033	Ethylbenzene	ug/L	Available Data <DL	0.60	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
034	Bromomethane	ug/L	Available Data <DL	0.60	NONE	NONE	48	4,000	NONE	4000	Yes	No	No	NA	No
035	Chloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	No	NA	No
036	Methylene chloride	ug/L	Available Data <DL	0.60	NONE	NONE	4.7	1,600	NONE	1600	Yes	No	No	NA	No
037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
038	Tetrachloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
039	Toluene	ug/L	Available Data <DL	0.60	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
043	Trichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
044	Vinyl chloride	ug/L	Available Data <DL	0.60	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
045	2-chlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
046	2,4-Dichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
047	2,4-dimethylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	540	2,300	NONE	2300	Yes	No	No	NA	No
048	2-Methyl-4,6-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
049	2,4-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	70	14,000	NONE	14000	Yes	No	No	NA	No
050	2-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
051	4-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
052	4-Chloro-3-methylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
053	Pentachlorophenol	ug/L	Available Data <DL	0.60	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	Yes	1	No
054	Phenol	ug/L	Available Data <DL	0.60	NONE	NONE	21,000	4,600,000	NONE	4600000	Yes	No	No	NA	No
055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
056	Acenaphthene	ug/L	Available Data <DL	0.60	NONE	NONE	1,200	2,700	NONE	2700	Yes	No	No	NA	No
057	Acenaphthylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
058	Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	9,600	110,000	NONE	110000	Yes	No	No	NA	No
059	Benzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	0.00054	No
060	Benzo(a)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
061	Benzo(a)Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	No	NA	No
062	Benzo(b)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
063	Benzo(g,h,i)Perylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
064	Benzo(k)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C						C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	Step 4 MEC >= C					
					CTR CRITERIA				Basin Plan	Title 22 GWR							C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)
					Freshwater		Human Health														
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH													
065	Bis(2-Chloroethoxy) methane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
066	bis (2-Chloroethyl) ether	ug/L	Available Data <DL	0.60	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	No	NA	No						
067	Bis(2-Chloroisopropyl) Ether	ug/L	Available Data <DL	0.60	NONE	NONE	1,400	170,000	NONE	170000	Yes	No	No	NA	No						
068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.60	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No						
069	4-Bromophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
070	Butylbenzylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	3,000	5,200	NONE	5200	Yes	No	No	NA	No						
071	2-Chloronaphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	1,700	4,300	NONE	4300	Yes	No	No	NA	No						
072	4-Chlorophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
073	Chrysene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No						
074	Dibenzo(a,h)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No						
075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No						
076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2,600	NONE	2600	Yes	No	No	NA	No						
077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No						
078	3,3'-Dichlorobenzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	0.077	No						
079	Diethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	23,000	120,000	NONE	120000	Yes	No	No	NA	No						
080	Dimethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	313,000	2,900,000	NONE	2900000	Yes	No	No	NA	No						
081	Di-n-butylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	2,700	12,000	NONE	12000	Yes	No	No	NA	No						
082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No						
083	2,6-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
084	Di-n-octylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
085	1,2-Diphenylhydrazine	ug/L	Available Data <DL	0.60	NONE	NONE	0.04	0.54	NONE	0.54	Yes	No	No	NA	No						
086	Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No						
087	Fluorene	ug/L	Available Data <DL	0.60	NONE	NONE	1,300	14,000	NONE	14000	Yes	No	No	NA	No						
088	Hexachlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.00077	No						
089	Hexachlorobutadiene	ug/L	Available Data <DL	0.60	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No						
090	Hexachlorocyclopentadiene	ug/L	Available Data <DL	0.60	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No						
091	Hexachloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No						
092	Indeno(1,2,3-cd)Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No						
093	Isophorone	ug/L	Available Data <DL	0.60	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No						
094	Naphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No						
095	Nitrobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	17	1,900	NONE	1900	Yes	No	No	NA	No						
096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No						
097	n-Nitroso-di-n-propylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No						
098	N-Nitrosodiphenylamine	ug/L	Available Data <DL	0.60	NONE	NONE	5	16	NONE	16	Yes	No	No	NA	No						

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NPDES PERMIT CA0001309**

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					CTR CRITERIA				Basin Plan Title 22 GWR	C = Lowest Criteria			Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
					Freshwater		Human Health										
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH									
099	Phenanthrene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No		
100	Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	960	11,000	NONE	11000	Yes	No	No	NA	No		
101	1,2,4-Trichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No		
102	Aldrin	ug/L	Available Data <DL	0.60	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No		
103	alpha-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No		
104	beta-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No		
105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.60	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No		
106	delta-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No		
107	Chlordane	ug/L	Available Data <DL	0.60	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.00059	No		
108	4,4'-DDT	ug/L	Available Data <DL	0.60	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No		
109	4,4'-DDE	ug/L	Available Data <DL	0.60	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No		
110	4,4'-DDD	ug/L	Available Data <DL	0.60	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.00084	No		
111	Dieldrin	ug/L	Available Data <DL	0.60	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No		
112	Endosulfan I	ug/L	Available Data <DL	0.60	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No		
113	Endosulfan II	ug/L	Available Data <DL	0.60	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No		
114	Endosulfan Sulfate	ug/L	Available Data <DL	0.60	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No		
115	Endrin	ug/L	Available Data <DL	0.60	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No		
116	Endrin Aldehyde	ug/L	Available Data <DL	0.60	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No		
117	Heptachlor	ug/L	Available Data <DL	0.60	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.00021	No		
118	Heptachlor Epoxide	ug/L	Available Data <DL	0.60	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.00011	No		
119	Aroclor-1016	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
120	Aroclor-1221	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
121	Aroclor-1232	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
122	Aroclor-1242	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
123	Aroclor-1248	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
124	Aroclor-1254	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
125	Aroclor-1260	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No		
126	Toxaphene	ug/L	Available Data <DL	0.60	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.0002	No		
127	E. Coli	MPN/100ml	540	0.60	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes		

**TABLE H-2
REASONABLE POTENTIAL ANALYSIS - NONPRIORITY POLLUTANTS (OUTFALLS 001, 002, 011 AND 018)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
1, 2, 11, 18	Barium	Annual	mg/L	1	13	0.60	13.2	171.6	0	0	171.6	1	BU
1, 2, 11, 18	Biochemical Oxygen Demand (BOD 5 day)	Discharge	mg/L	2	3.7	0.60	7.4	27.38	0	0	27.38	30	BU
1, 2, 11, 18	Chloride	Discharge	mg/L	2	5.5	0.60	7.4	40.7	0	0	40.7	150	BU
1, 2, 11, 18	Fluoride	Annual	mg/L	1	0.18	0.60	13.2	2.376	0	0	2.376	1.6	BU
1, 2, 11, 18	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	2	3.5	0.60	7.4	25.9	0	0	25.9	8	BU/TMDL
1, 2, 11, 18	Oil & Grease	Discharge	mg/L	2	Available Data <DL	0.60	Available Data <DL	Available Data <DL	0	0	NA	10	BU
1, 2, 11, 18	Sulfate	Discharge	mg/L	2	10	0.60	7.4	74	0	0	74	300	BU
1, 2, 11, 18	Surfactants (MBAS)	Discharge	mg/L	2	All Data Qualified	0.60	All Data Qualified	All Data Qualified	0	0	NA	0.5	BU
1, 2, 11, 18	Total Dissolved Solids	Discharge	mg/L	2	170	0.60	7.4	1258	0	0	1258	150	BU
1, 2, 11, 18	Total Settleable Solids	Discharge	ml/L	2	Available Data <DL	0.60	Available Data <DL	Available Data <DL	0	0	NA	0.3	BU
1, 2, 11, 18	Total Suspended Solids	Discharge	mg/L	2	4.3	0.60	7.4	31.82	0	0	31.82	45	BU

**TABLE H-3
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C		
						CTR CRITERIA						Basin Plan Title 22 GWR	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3_7,9-10	001	Antimony	ug/L	All Data Qualified	0.6	NONE	NONE	14	4,300	6	6	No	No	No	NA	No
3_7,9-10	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
3_7,9-10	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
3_7,9-10	004	Cadmium	ug/L	All Data Qualified	0.6	4.3	2.2	Narrative	Narrative	5	2.2	No	No	No	NA	No
3_7,9-10	005a	Chromium	ug/L	9.7	0.6	550	180	Narrative	Narrative	50	50	Yes	Yes	NA	NA	No
3_7,9-10	005b	Chromium VI	ug/L	All Data Qualified	0.6	16	11	Narrative	Narrative	NONE	11	No	No	No	NA	No
3_7,9-10	006	Copper	ug/L	12	0.6	13	9	1,300	NONE	NONE	9	Yes	Yes	NA	NA	No
3_7,9-10	007	Lead	ug/L	13	0.6	65	2.5	Narrative	Narrative	NONE	2.5	Yes	Yes	NA	NA	Yes
3_7,9-10	008	Mercury	ug/L	0.11	0.6	Reserved	Reserved	0.05	0.051	2	0.051	Yes	Yes	NA	NA	Yes
3_7,9-10	009	Nickel	ug/L	All Data Qualified	0.6	470	52	610	4,600	100	52	No	No	No	NA	No
3_7,9-10	010	Selenium	ug/L	All Data Qualified	0.6	Reserved	5	Narrative	Narrative	50	5	No	No	No	NA	No
3_7,9-10	011	Silver	ug/L	All Data Qualified	0.6	3.4	NONE	NONE	NONE	NONE	3.4	No	No	No	NA	No
3_7,9-10	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
3_7,9-10	013	Zinc	ug/L	62	0.6	120	120	NONE	NONE	NONE	120	Yes	Yes	NA	NA	No
3_7,9-10	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220,000	200	5.2	Yes	No	No	NA	No
3_7,9-10	015	Asbestos	Fibers/L	Available Data <DL	0.6	NONE	NONE	7,000,000	NONE	7,000,000	7,000,000	Yes	No	No	NA	No
3_7,9-10	016	TCDD TEQ_NoDNQ	ug/L	8.93E-08	0.6	NONE	NONE	1.30E-08	1.40E-08	3.00E-08	1.40E-08	Yes	Yes	No	NA	Yes
3_7,9-10	017	Acrolein	ug/L	Available Data <DL	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
3_7,9-10	018	Acrylonitrile	ug/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	0.66	No
3_7,9-10	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
3_7,9-10	020	Bromoform	ug/L	Available Data <DL	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
3_7,9-10	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	022	Chlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
3_7,9-10	023	Dibromochloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
3_7,9-10	024	Chloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	027	Bromodichloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No

**TABLE H-3
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA				Basin Plan Title 22 GWR			Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3_7,9-10	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
3_7,9-10	29	1,2-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
3_7,9-10	031	1,2-Dichloropropane	ug/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
3_7,9-10	032	cis-1,3-Dichloropropene	ug/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	032a	trans-1,3-Dichloropropene	ug/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
3_7,9-10	034	Bromomethane	ug/L	Available Data <DL	0.6	NONE	NONE	48	4,000	NONE	4,000	Yes	No	No	NA	No
3_7,9-10	035	Chloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	036	Methylene chloride	ug/L	Available Data <DL	0.6	NONE	NONE	4.7	1,600	NONE	1,600	Yes	No	No	NA	No
3_7,9-10	037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
3_7,9-10	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
3_7,9-10	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
3_7,9-10	040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
3_7,9-10	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
3_7,9-10	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
3_7,9-10	043	Trichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
3_7,9-10	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
3_7,9-10	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
3_7,9-10	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2,300	NONE	2,300	No	No	No	NA	No
3_7,9-10	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
3_7,9-10	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14,000	NONE	14,000	No	No	No	NA	No
3_7,9-10	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No

**TABLE H-3
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C	
						CTR CRITERIA				Basin Plan Title 22 GWR			Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3_7,9-10	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No	
3_7,9-10	053	Pentachlorophenol	ug/L	All Data Qualified	0.6	pH dependent	pH dependent	0.28	8.2	1	1	No	No	No	NA	No
3_7,9-10	054	Phenol	ug/L	5.8	0.6	NONE	NONE	21,000	4,600,000	NONE	4,600,000	Yes	Yes	NA	NA	No
3_7,9-10	055	2,4,6-Trichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	2.1	6.5	NONE	6.5	No	No	No	NA	No
3_7,9-10	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1,200	2,700	NONE	2,700	No	No	No	NA	No
3_7,9-10	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9,600	110,000	NONE	110,000	No	No	No	NA	No
3_7,9-10	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
3_7,9-10	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	No	No	No	NA	No
3_7,9-10	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
3_7,9-10	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1,400	170,000	NONE	170,000	No	No	No	NA	No
3_7,9-10	068	bis (2-ethylhexyl) Phthalate	ug/L	6.71	0.6	NONE	NONE	1.8	5.9	4	4	Yes	Yes	NA	NA	Yes
3_7,9-10	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3,000	5,200	NONE	5,200	No	No	No	NA	No
3_7,9-10	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1,700	4,300	NONE	4,300	No	No	No	NA	No
3_7,9-10	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
3_7,9-10	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2,600	NONE	2,600	Yes	No	No	NA	No
3_7,9-10	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
3_7,9-10	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
3_7,9-10	079	Diethylphthalate	ug/L	0.887	0.6	NONE	NONE	23,000	120,000	NONE	120,000	Yes	Yes	NA	NA	No
3_7,9-10	080	Dimethylphthalate	ug/L	0.501	0.6	NONE	NONE	313,000	2,900,000	NONE	2,900,000	Yes	Yes	NA	NA	No
3_7,9-10	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2,700	12,000	NONE	12,000	No	No	No	NA	No
3_7,9-10	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	0.11	9.1	NONE	9.1	No	No	No	NA	No
3_7,9-10	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
3_7,9-10	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No

**TABLE H-3
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3 Was Constituent Detected in Effluent Data	Step 3 Are all Detection Limits > C	Step 3 If DL > C, MEC = Min (DL)	Step 4 MEC >= C
						CTR CRITERIA				Basin Plan Title 22 GWR						
						Freshwater		Human Health								
CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH													
3_7,9-10	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1,300	14,000	NONE	14,000	No	No	No	NA	No
3_7,9-10	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	No	No	No	NA	No
3_7,9-10	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
3_7,9-10	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17,000	50	50	No	No	No	NA	No
3_7,9-10	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
3_7,9-10	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_7,9-10	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
3_7,9-10	094	Naphthalene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1,900	NONE	1,900	No	No	No	NA	No
3_7,9-10	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	No	No	No	NA	No
3_7,9-10	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
3_7,9-10	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
3_7,9-10	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_7,9-10	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11,000	NONE	11,000	No	No	No	NA	No
3_7,9-10	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	70	70	No	No	No	NA	No
3_7,9-10	102	Aldrin	ug/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
3_7,9-10	103	alpha-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No
3_7,9-10	104	beta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No
3_7,9-10	105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
3_7,9-10	106	delta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3_7,9-10	107	Chlordane	ug/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	108	4,4'-DDT	ug/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	109	4,4'-DDE	ug/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	110	4,4'-DDD	ug/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.00084	No
3_7,9-10	111	Dieldrin	ug/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
3_7,9-10	112	Endosulfan I	ug/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3_7,9-10	113	Endosulfan II	ug/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3_7,9-10	114	Endosulfan Sulfate	ug/L	Available Data <DL	0.6	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No
3_7,9-10	115	Endrin	ug/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No

**TABLE H-3
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
						CTR CRITERIA						Basin Plan Title 22 GWR	Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3_7,9-10	116	Endrin Aldehyde	ug/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No
3_7,9-10	117	Heptachlor	ug/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.00021	No
3_7,9-10	118	Heptachlor Epoxide	ug/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.00011	No
3_7,9-10	119	Aroclor-1016	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	120	Aroclor-1221	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	121	Aroclor-1232	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	122	Aroclor-1242	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	123	Aroclor-1248	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	124	Aroclor-1254	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	125	Aroclor-1260	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	126	Toxaphene	ug/L	Available Data <DL	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.0002	No
3_7,9-10	127	E. Coli	MPN/100 ml	1600	0.6	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes

**TABLE H-4
REASONABLE POTENTIAL ANALYSIS - NONPRIORITY POLLUTANTS (OUTFALLS 003-007,009 AND 010)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
3_7,9-10	Boron	Annual	mg/L	1	0.097	0.6	13.2	1.3	0	0	1.3	1	BU
3_7,9-10	Chloride	Discharge	mg/L	4	18	0.6	4.7	84.6	0	0	84.6	150	BU
3_7,9-10	Fluoride	Annual	mg/L	1	0.16	0.6	13.2	2.1	0	0	2.1	1.6	BU
3_7,9-10	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	4	3	0.6	4.7	14.1	0	0	14.1	8	BU/TMDL
3_7,9-10	Oil & Grease	Discharge	mg/L	4	Available Data <DL	0.6	4.7	Available Data < DL	0	0	Available Data < DL	15	BU
3_7,9-10	Sulfate	Discharge	mg/L	4	15	0.6	4.7	70.5	0	0	70.5	300	BU
3_7,9-10	Total Dissolved Solids	Discharge	mg/L	4	160	0.6	4.7	752.0	0	0	752.0	850	BU
3_7,9-10	Total Suspended Solids	Annual	mg/L	5	160	0.6	4.2	672.0	0	0	672.0	45	BU

**TABLE H-5
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C						C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C		
					CTR CRITERIA				Basin Plan Title 22 GWR	C = Lowest Criteria			Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
					Freshwater		Human Health										
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH									
001	Antimony	ug/L	Available Data <DL	0.60	NONE	NONE	14	4,300	6	6	Yes	No	Yes	4,300	No		
002	Arsenic	ug/L	Available Data <DL	0.60	340	150	NONE	NONE	50	50	Yes	No	No	NA	No		
003	Beryllium	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	4	4	Yes	No	No	NA	No		
004	Cadmium	ug/L	Available Data <DL	0.60	4.3	2.2	Narrative	Narrative	5	2.2	Yes	No	No	NA	No		
005a	Chromium	ug/L	Available Data <DL	0.60	550	180	Narrative	Narrative	50	50	Yes	No	No	NA	No		
005b	Chromium VI	ug/L	Available Data <DL	0.60	16	11	Narrative	Narrative	NONE	11	Yes	No	No	NA	No		
006	Copper	ug/L	5.2	0.60	13	9	1,300	NONE	NONE	9	Yes	Yes	NA	NA	No		
007	Lead	ug/L	2	0.60	65	2.5	Narrative	Narrative	NONE	2.5	Yes	Yes	NA	NA	No		
008	Mercury	ug/L	Available Data <DL	0.60	Reserved	Reserved	0.05	0.051	2	0.051	Yes	No	Yes	0.051	No		
009	Nickel	ug/L	Available Data <DL	0.60	470	52	610	4,600	100	52	Yes	No	Yes	4,600	No		
010	Selenium	ug/L	Available Data <DL	0.60	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No		
011	Silver	ug/L	Available Data <DL	0.60	3.4	NONE	NONE	NONE	NONE	3.4	Yes	No	No	NA	No		
012	Thallium	ug/L	Available Data <DL	0.60	NONE	NONE	1.7	6.3	2	2	Yes	No	Yes	6.3	No		
013	Zinc	ug/L	31	0.60	120	120	NONE	NONE	NONE	120	Yes	Yes	NA	NA	No		
014	Total Cyanide	ug/L	Available Data <DL	0.60	22	5.2	700	220,000	200	5.2	Yes	No	No	NA	No		
015	Asbestos	Fibers/L	Not Analyzed	0.60	NONE	NONE	7,000,000	NONE	7,000,000	7000000	No	NA	NA	NA	NA		
016	TCDD TEQ_NoDNQ	ug/L	Available Data <DL	0.60	NONE	NONE	1.30E-08	1.40E-08	3.00E-08	0.000000014	Yes	No	No	220,000	No		
017	Acrolein	ug/L	Available Data <DL	0.60	NONE	NONE	320	780	NONE	780	Yes	No	Yes	1.40E-08	No		
018	Acrylonitrile	ug/L	Available Data <DL	0.60	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	780	No		
019	Benzene	ug/L	Available Data <DL	0.60	NONE	NONE	1.2	71	1	1	Yes	No	Yes	0.66	No		
020	Bromoform	ug/L	Available Data <DL	0.60	NONE	NONE	4.3	360	NONE	360	Yes	No	Yes	71	No		
021	Carbon Tetrachloride	ug/L	Available Data <DL	0.60	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	Yes	360	No		
022	Chlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	680	21,000	70	70	Yes	No	Yes	4.4	No		
023	Dibromochloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.401	34	NONE	34	Yes	No	Yes	21,000	No		
024	Chloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	Yes	34	No		
025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No		
026	Chloroform	ug/L	Available Data <DL	0.60	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	No	NA	No		
027	Bromodichloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.56	46	NONE	46	Yes	No	Yes	46	No		
028	1,1-Dichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No		
029	1,2-Dichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.38	99	0.5	0.5	Yes	No	Yes	99	No		
030	1,1-Dichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	0.057	3.2	6	3.2	Yes	No	Yes	3.2	No		
031	1,2-Dichloropropane	ug/L	Available Data <DL	0.60	NONE	NONE	0.52	39	5	5	Yes	No	Yes	39	No		
032	cis-1,3-Dichloropropene	ug/L	Available Data <DL	0.60	NONE	NONE	10	1,700	0.5	0.5	Yes	No	Yes	1,700	No		

**TABLE H-5
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C	
					CTR CRITERIA				Basin Plan Title 22 GWR			Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
					Freshwater		Human Health								
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
032a	trans-1,3-Dichloropropene	ug/L	Available Data <DL	0.60	NONE	NONE	10	1,700	0.5	0.5	Yes	No	Yes	1,700	No
033	Ethylbenzene	ug/L	Available Data <DL	0.60	NONE	NONE	3,100	29,000	700	700	Yes	No	Yes	29,000	No
034	Bromomethane	ug/L	Available Data <DL	0.60	NONE	NONE	48	4,000	NONE	4000	Yes	No	Yes	4,000	No
035	Chloromethane	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	No	NA	No
036	Methylene chloride	ug/L	Available Data <DL	0.60	NONE	NONE	4.7	1,600	NONE	1600	Yes	No	Yes	1,600	No
037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.17	11	1	1	Yes	No	Yes	11	No
038	Tetrachloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	0.8	8.85	5	5	Yes	No	Yes	8.85	No
039	Toluene	ug/L	Available Data <DL	0.60	NONE	NONE	6,800	200,000	150	150	Yes	No	Yes	200,000	No
040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	700	140,000	10	10	Yes	No	Yes	140,000	No
041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	0.6	42	5	5	Yes	No	Yes	42	No
043	Trichloroethene	ug/L	Available Data <DL	0.60	NONE	NONE	2.7	81	5	5	Yes	No	Yes	81	No
044	Vinyl chloride	ug/L	Available Data <DL	0.60	NONE	NONE	2	525	0.5	0.5	Yes	No	Yes	525	No
045	2-chlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	120	400	NONE	400	Yes	No	Yes	400	No
046	2,4-Dichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	93	790	NONE	790	Yes	No	Yes	790	No
047	2,4-dimethylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	540	2,300	NONE	2300	Yes	No	Yes	2,300	No
048	2-Methyl-4,6-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	13.4	765	NONE	765	Yes	No	Yes	765	No
049	2,4-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	70	14,000	NONE	14000	Yes	No	Yes	14,000	No
050	2-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
051	4-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
052	4-Chloro-3-methylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
053	Pentachlorophenol	ug/L	Available Data <DL	0.60	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	Yes	8.2	No
054	Phenol	ug/L	Available Data <DL	0.60	NONE	NONE	21,000	4,600,000	NONE	4600000	Yes	No	Yes	4,600,000	No
055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	Yes	6.5	No
056	Acenaphthene	ug/L	Available Data <DL	0.60	NONE	NONE	1,200	2,700	NONE	2700	Yes	No	Yes	2,700	No
057	Acenaphthylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
058	Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	9,600	110,000	NONE	110000	Yes	No	Yes	110,000	No
059	Benzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	0.00054	No
060	Benzo(a)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
061	Benzo(a)Pyrene	ug/L	Not Analyzed	0.60	NONE	NONE	0.0044	0.049	0.2	0.049	No	NA	NA	0.049	NA
062	Benzo(b)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
063	Benzo(g,h,i)Perylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
064	Benzo(k)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
065	Bis(2-Chloroethoxy) methane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No

**TABLE H-5
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C						C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C	
					CTR CRITERIA				Basin Plan Title 22 GWR	C = Lowest Criteria			Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
					Freshwater		Human Health									
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH								
066	bis (2-Chloroethyl) ether	ug/L	Available Data <DL	0.60	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	Yes	1.4	No	
067	Bis(2-Chloroisopropyl) Ether	ug/L	Available Data <DL	0.60	NONE	NONE	1,400	170,000	NONE	170000	Yes	No	No	NA	No	
068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.60	NONE	NONE	1.8	5.9	4	4	Yes	No	Yes	5.9	No	
069	4-Bromophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No	
070	Butylbenzylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	3,000	5,200	NONE	5200	Yes	No	Yes	5,200	No	
071	2-Chloronaphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	1,700	4,300	NONE	4300	Yes	No	Yes	4,300	No	
072	4-Chlorophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	Yes	NONE	No	
073	Chrysene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No	
074	Dibenzo(a,h)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No	
075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	2,700	17,000	600	600	Yes	No	Yes	17,000	No	
076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2,600	NONE	2600	Yes	No	Yes	2,600	No	
077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2,600	5	5	Yes	No	Yes	2,600	No	
078	3,3'-Dichlorobenzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	0.077	No	
079	Diethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	23,000	120,000	NONE	120000	Yes	No	Yes	120,000	No	
080	Dimethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	313,000	2,900,000	NONE	2900000	Yes	No	Yes	2,900,000	No	
081	Di-n-butylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	2,700	12,000	NONE	12000	Yes	No	Yes	12,000	No	
082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	Yes	9.1	No	
083	2,6-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No	
084	Di-n-octylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No	
085	1,2-Diphenylhydrazine	ug/L	Available Data <DL	0.60	NONE	NONE	0.04	0.54	NONE	0.54	Yes	No	Yes	0.54	No	
086	Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	300	370	NONE	370	Yes	No	Yes	370	No	
087	Fluorene	ug/L	Available Data <DL	0.60	NONE	NONE	1,300	14,000	NONE	14000	Yes	No	Yes	14,000	No	
088	Hexachlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.00077	No	
089	Hexachlorobutadiene	ug/L	Available Data <DL	0.60	NONE	NONE	0.44	50	NONE	50	Yes	No	Yes	50	No	
090	Hexachlorocyclopentadiene	ug/L	Available Data <DL	0.60	NONE	NONE	240	17,000	50	50	Yes	No	Yes	17,000	No	
091	Hexachloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	Yes	8.9	No	
092	Indeno(1,2,3-cd)Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No	
093	Isophorone	ug/L	Available Data <DL	0.60	NONE	NONE	8.4	600	NONE	600	Yes	No	Yes	600	No	
094	Naphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No	
095	Nitrobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	17	1,900	NONE	1900	Yes	No	Yes	1,900	No	
096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	Yes	8.1	No	
097	n-Nitroso-di-n-propylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	Yes	1.4	No	
098	N-Nitrosodiphenylamine	ug/L	Available Data <DL	0.60	NONE	NONE	5	16	NONE	16	Yes	No	Yes	16	No	
099	Phenanthrene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No	

**TABLE H-5
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3		Step 4 MEC >= C	
					CTR CRITERIA				Basin Plan Title 22 GWR			Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
					Freshwater		Human Health								
					CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
100	Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	960	11,000	NONE	11000	Yes	No	Yes	11,000	No
101	1,2,4-Trichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
102	Aldrin	ug/L	Available Data <DL	0.60	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
103	alpha-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	Yes	0.013	No
104	beta-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	Yes	0.046	No
105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.60	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	Yes	0.063	No
106	delta-BHC	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
107	Chlordane	ug/L	Available Data <DL	0.60	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.00059	No
108	4,4'-DDT	ug/L	Available Data <DL	0.60	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
109	4,4'-DDE	ug/L	Available Data <DL	0.60	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
110	4,4'-DDD	ug/L	Available Data <DL	0.60	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.00084	No
111	Dieldrin	ug/L	Available Data <DL	0.60	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
112	Endosulfan I	ug/L	Available Data <DL	0.60	0.22	0.056	110	240	NONE	0.056	Yes	No	Yes	240	No
113	Endosulfan II	ug/L	Available Data <DL	0.60	0.22	0.056	110	240	NONE	0.056	Yes	No	Yes	240	No
114	Endosulfan Sulfate	ug/L	Available Data <DL	0.60	NONE	NONE	110	240	NONE	240	Yes	No	Yes	240	No
115	Endrin	ug/L	Available Data <DL	0.60	0.086	0.036	0.76	0.81	2	0.036	Yes	No	Yes	0.81	No
116	Endrin Aldehyde	ug/L	Available Data <DL	0.60	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	Yes	0.81	No
117	Heptachlor	ug/L	Available Data <DL	0.60	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.00021	No
118	Heptachlor Epoxide	ug/L	Available Data <DL	0.60	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.00011	No
119	Aroclor-1016	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
120	Aroclor-1221	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
121	Aroclor-1232	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
122	Aroclor-1242	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
123	Aroclor-1248	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
124	Aroclor-1254	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
125	Aroclor-1260	ug/L	Available Data <DL	0.60	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
126	Toxaphene	ug/L	Available Data <DL	0.60	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.00075	No
127	E. Coli	MPN/100ml	1600	0.60	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes

**TABLE H-6
REASONABLE POTENTIAL ANALYSIS - NONPRIORITY POLLUTANTS (OUTFALL 008)**

**ANNUAL 2014 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
8	Boron	Annual	mg/L	1	0.095	0.60	13.2	1.254	0	0	1.254	1	BU
8	Chloride	Discharge	mg/L	1	4.9	0.60	13.2	64.68	0	0	64.68	150	BU
8	Fluoride	Annual	mg/L	1	0.15	0.60	13.2	1.98	0	0	1.98	1.6	BU
8	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	1	4.3	0.60	13.2	56.76	0	0	56.76	8	BU/TMDL
8	Oil & Grease	Discharge	mg/L	1	Available Data <DL	0.60	Available Data <DL	Available Data <DL	0	0	NA	10	BU
8	Sulfate	Discharge	mg/L	1	4.3	0.60	13.2	56.76	0	0	56.76	300	BU
8	Total Dissolved Solids	Discharge	mg/L	1	120	0.60	13.2	1584	0	0	1584	150	BU
8	Total Suspended Solids	Annual	mg/L	1	27	0.60	13.2	356.4	0	0	356.4	45	BU

APPENDIX I

Stormwater Pollution Prevention Plan Annual Evaluation Report

APPENDIX I

2014 STORM WATER POLLUTION PREVENTION PLAN ANNUAL EVALUATION REPORT

This 2014 Storm Water Pollution Prevention Plan (SWPPP) Annual Evaluation Report (Report) was prepared for The Boeing Company (Boeing) Santa Susana Site, located in Simi Hills, Ventura County, California (Site) in general accordance with Attachment B (Section A.9.d.) of the Site's Waste Discharge Requirements (National Pollutant Discharge Elimination System [NPDES] Permit No. CA0001309 and Monitoring and Reporting Program No. 6027). This Report evaluates compliance with the Site-Wide SWPPP during 2014. The evaluation was conducted by Haley & Aldrich in September 2014.

The Los Angeles Regional Water Quality Control Board (Regional Board) issued the 2010 NPDES Permit No. R4-2010-0090 on 20 May 2010 to revise the existing 2009 NPDES Amendment Permit No. R4-2009-0058. The 2010 NPDES Permit was then revised on 3 June 2010. A revised SWPPP was submitted to the Regional Board in accordance with the terms of the new 2010 Permit on 15 October 2010. The SWPPP was revised in January 2015.

Review of Visual Observations Records and Sampling and Analysis Results

The evaluators reviewed all inspection forms that documented inspections/visual observations for 2014; each inspection form was complete. A process exists for non-compliance items to be properly evaluated and adjusted to correct these items.

Sampling and analysis results are evaluated in each quarterly discharge monitoring report and summarized in this 2014 Annual NPDES Discharge Monitoring Report dated 15 February 2015.

Potential Pollutant Source Visual Inspection

Visual inspections at the Site were conducted in 2014 at buildings, equipment, and surrounding areas to evaluate if any pollutant sources exist. Areas where known potential pollutants exist have Best Management Practices (BMPs) implemented to minimize and/or eliminate the potential for pollutant releases. No other areas were observed to require additional BMPs.

Best Management Practice Review

As noted above, the Site was inspected several times throughout 2014. As a result, BMPs were reviewed and evaluated to see if they were adequate, properly implemented and maintained, or whether additional BMPs were required. Items that required repair, upgrades, and/or maintenance were identified on the inspection forms. Subsequent inspections noted that they were fixed or upgraded.

Boeing also completed SWPPP reviews, updates, and inspections in accordance with facility and project-specific SWPPPs and BMP Plans. These documents, which are maintained per regulatory requirements, were updated in 2014 to document Boeing's proactive efforts to mitigate and minimize the potential for sediments, constituents, or on-Site activities to impact surface water. Boeing's continued effort to improve and upgrade BMPs at the Site demonstrates their commitment to address previous exceedances and improve surface water discharge quality as indicated in the quarterly reports and summarized in the 2014 Annual Report.

SWPPP Revisions and Schedule

As noted above, the 2010 Permit was issued to Boeing on 20 May 2010 and became effective on 19 July 2010. The Site-Wide SWPPP was updated (previous version was dated September 2009) in accordance with the terms of the 2010 Permit and submitted to the Regional Board on 15 October 2010.

APPENDIX I

2014 STORM WATER POLLUTION PREVENTION PLAN ANNUAL EVALUATION REPORT

The SWPPP was revised again in September and October 2012 and again in November 2013 due to changes, and was submitted to the Regional Board on 31 October 2012 and 27 November 2013, respectively. The SWPPP was revised again in January 2015.

Non-Compliance Incidents and Corrective Actions Taken

Non-compliance issues and corrective actions are listed in this 2014 Annual Report. No additional items were noted as a result of the annual inspection conducted in September 2014. SWPPP Training for Key Personnel was completed in January and February 2014, and again in January 2015.