

## **Appendix J**

# **Water Quality Monitoring Results and their Graphical Presentation**

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3  
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 4/3/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:19	<0.5	25.0	25.0	5.9	5.9	7.1	7.1	86.2	86.2	31.6	31.6	<0.1	<0.1	11.0	11.0
			25.0		5.9		7.1		86.2		31.6		<0.1		11.0	
C3b	12:43	<0.5	22.5	22.5	6.2	6.2	6.5	6.5	74.7	74.7	10.9	10.9	<0.1	<0.1	13.0	14.0
			22.5		6.2		6.5		74.7		10.9		<0.1		15.0	
I5	12:54	<0.5	23.8	23.8	6.7	6.7	8.5	8.5	100.0	100.0	12.7	12.7	<0.1	<0.1	6.2	6.0
			23.8		6.7		8.5		100.0		12.7		<0.1		5.7	

Date of Monitoring: 4/5/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:58	<0.5	27.2	27.2	6.2	6.2	6.5	6.5	82.4	82.4	24.6	24.6	<0.1	<0.1	13	15.0
			27.2		6.2		6.5		82.4		24.6		<0.1		17	
C3b	12:19	<0.5	24.7	24.7	6.4	6.4	6.1	6.1	73.5	73.5	9.9	9.9	<0.1	<0.1	6.3	5.8
			24.7		6.4		6.1		73.5		9.9		<0.1		5.3	
I5	12:28	<0.5	26.1	26.1	6.7	6.7	7.9	7.9	97.1	97.1	7.0	7.0	<0.1	<0.1	3.8	3.7
			26.1		6.7		7.9		97.1		7.0		<0.1		3.6	

Date of Monitoring: 4/7/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:43	<0.5	27.2	27.2	6.1	6.1	5.4	5.4	68.6	68.6	135.0	135.0	<0.1	<0.1	120	120.0
			27.2		6.1		5.4		68.6		135.0		<0.1		120	
C3b	13:00	<0.5	24.8	24.8	5.9	5.9	5.8	5.8	70.4	70.4	13.2	13.2	<0.1	<0.1	13	11.0
			24.8		5.9		5.8		70.4		13.2		<0.1		9	
I5	13:11	<0.5	25.6	25.6	6.6	6.6	6.6	7.8	95.9	95.9	7.0	7.0	<0.1	<0.1	3.9	5.0
			25.6		6.6		6.6		95.9		7.0		<0.1		6	

Date of Monitoring: 4/10/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:07	<0.5	25.6	25.6	6.0	6.0	5.1	5.1	62.3	62.3	67.5	67.5	<0.1	<0.1	74	78.0
			25.6		6.0		5.1		62.3		67.5		<0.1		82	
C3b	12:32	<0.5	24.6	24.6	5.9	5.9	5.4	5.4	65.2	65.2	10.2	10.2	<0.1	<0.1	6.6	6.5
			24.6		5.9		5.4		65.2		10.2		<0.1		6.3	
I5	12:45	<0.5	25.3	25.3	6.6	6.6	6.6	7.1	86.2	86.2	6.5	6.5	<0.1	<0.1	6	5.3
			25.3		6.6		6.6		86.2		6.5		<0.1		4.6	

Date of Monitoring: 4/12/2017 Weather : Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)
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Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3  
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:57	<0.5	24.9 24.9	24.9	8.0 8.0	8.0	5.5 5.5	5.5	66.1 66.1	66.1	37.2 37.2	37.2	<0.1 <0.1	<0.1	21.0 18.0	19.5
C3b	12:14	<0.5	24.4 24.4	24.4	7.7 7.7	7.7	6.4 6.4	6.4	76.7 76.7	76.7	18.0 18.0	18.0	<0.1 <0.1	<0.1	14.0 11.0	12.5
I5	12:24	<0.5	25.2 25.2	25.2	7.4 7.4	7.4	6.7 6.7	6.7	82.1 82.1	82.1	13.5 13.5	13.5	<0.1 <0.1	<0.1	4.5 4.9	4.7

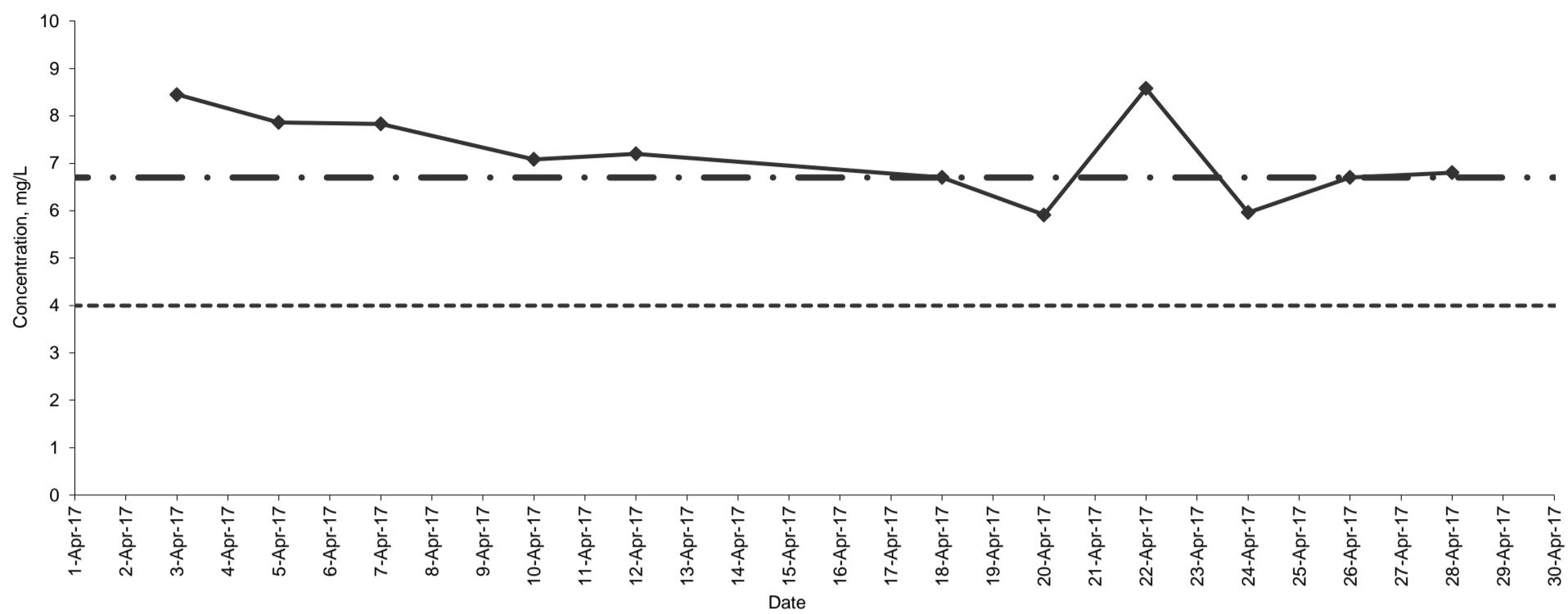
Date of Monitoring: 4/28/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:53	<0.5	25.1 25.1	25.1	6.5 6.5	6.5	6.4 6.4	6.4	73.1 73.1	73.1	22.7 22.7	22.7	<0.1 <0.1	<0.1	21.0 19.0	20.0
C3b	12:19	<0.5	24.7 24.7	24.7	6.9 6.9	6.9	6.2 6.2	6.2	72.0 72.0	72.0	11.4 11.4	11.4	<0.1 <0.1	<0.1	11.0 9.4	10.2
I5	12:30	<0.5	24.9 24.9	24.9	7.1 7.1	7.1	6.8 6.8	6.8	84.1 84.1	84.1	2.8 2.8	2.8	<0.1 <0.1	<0.1	2.5 <2.5	2.5

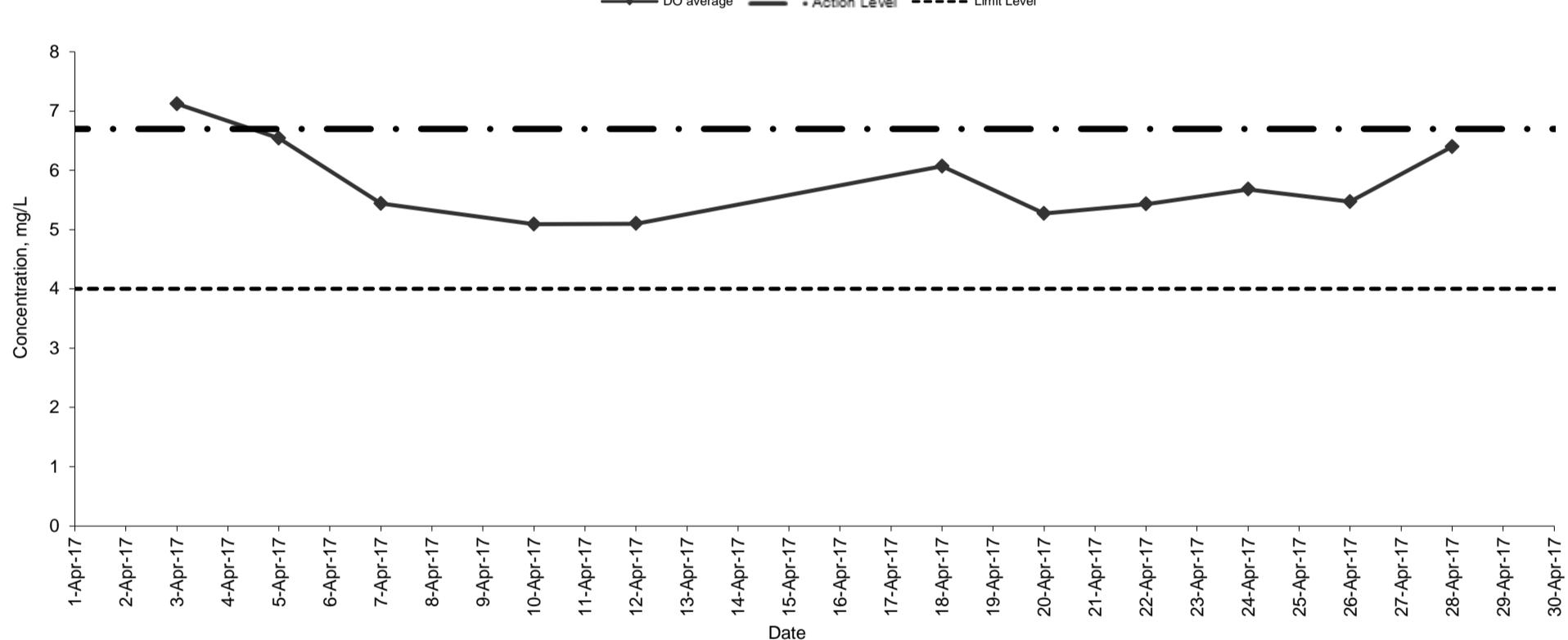
NOTE:  
Data in **Bold** denotes exceedance of respective Action Level  
Data in **Bold Underline** denotes exceedance of respective Limit Level

## Dissolved Oxygen

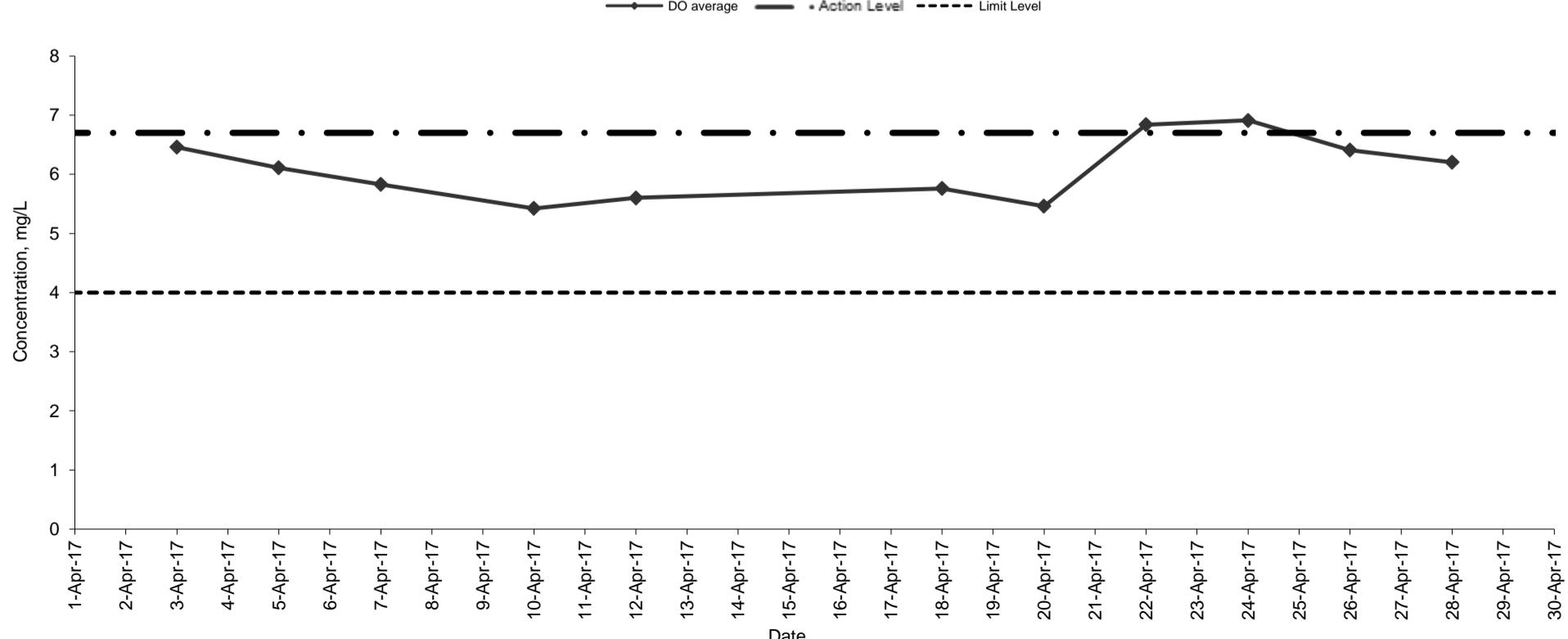
I5



C3a

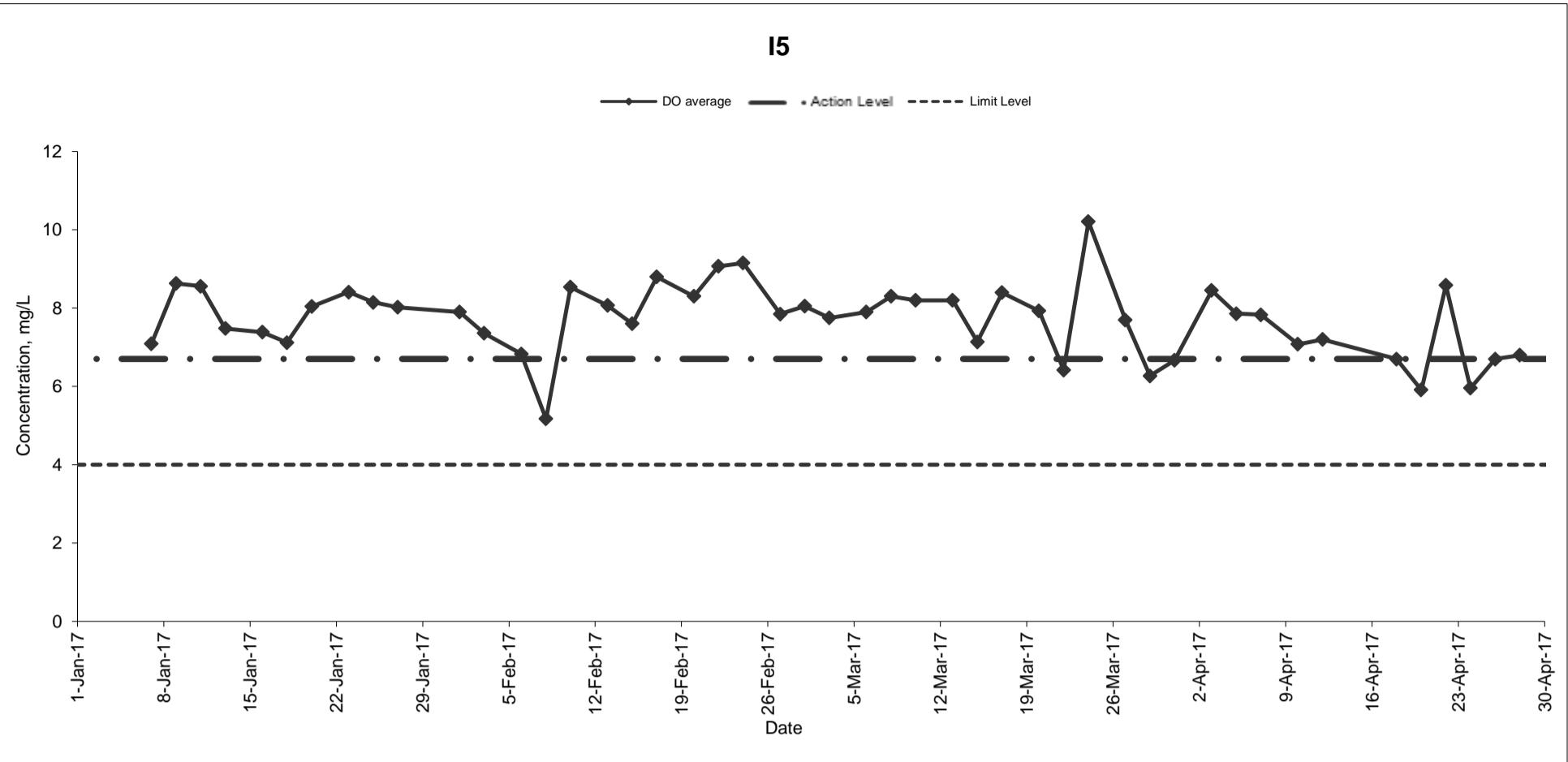


C3b

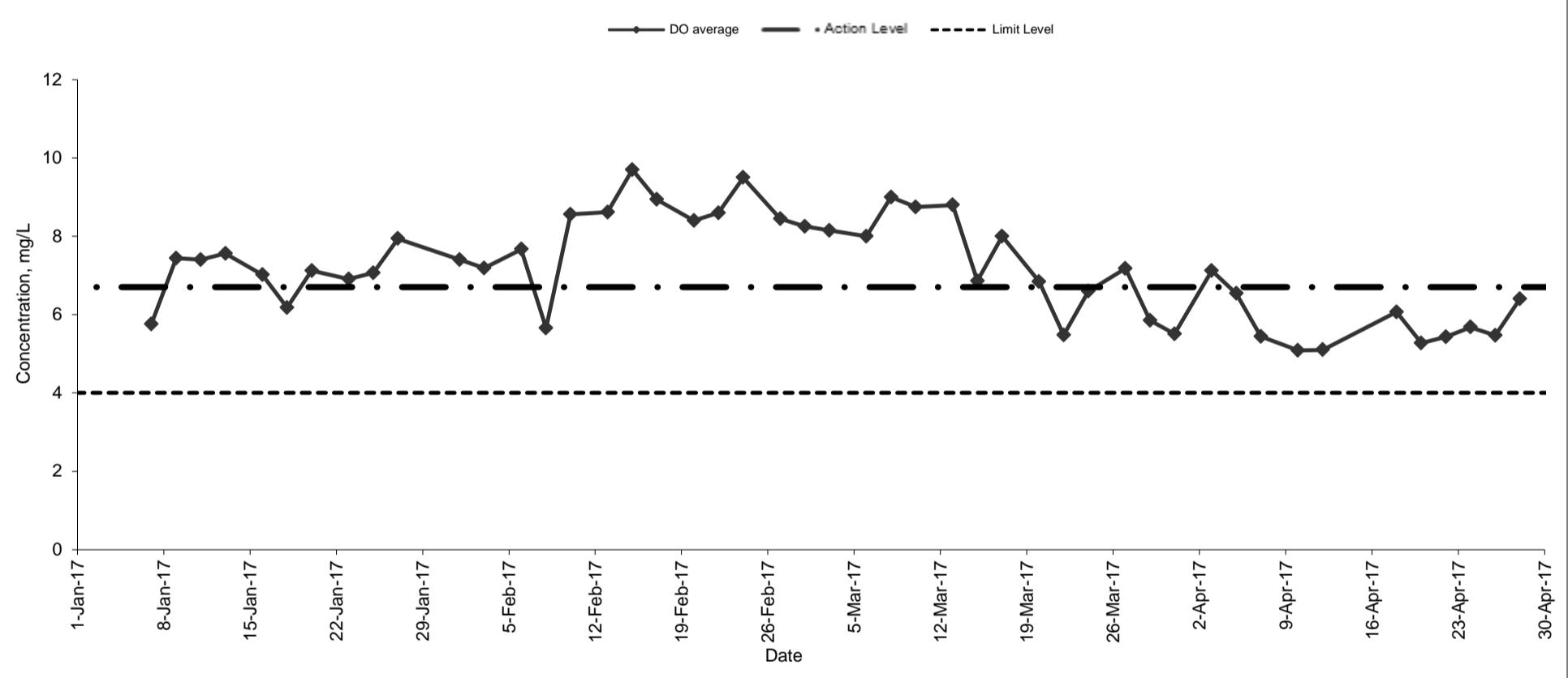


### Dissolved Oxygen (January 2017 - April 2017)

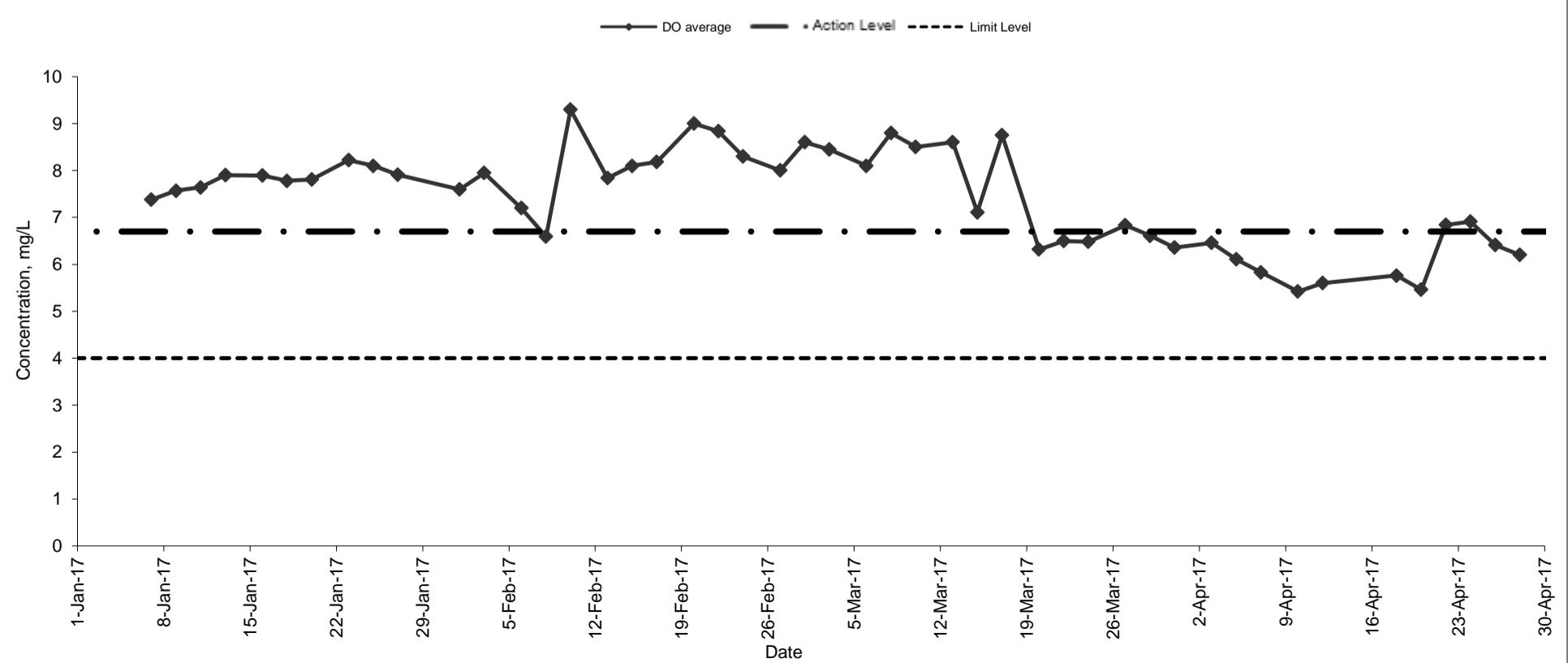
**I5**



**C3a**

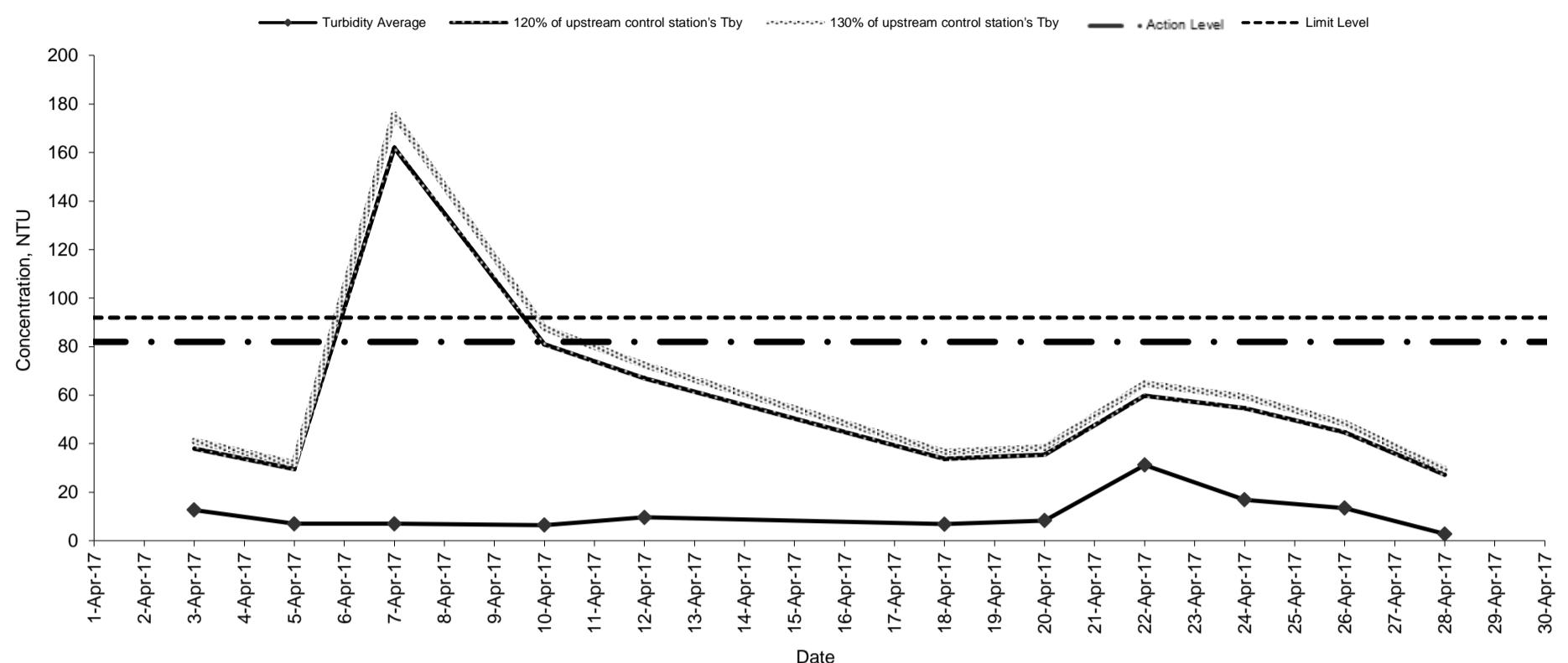


**C3b**

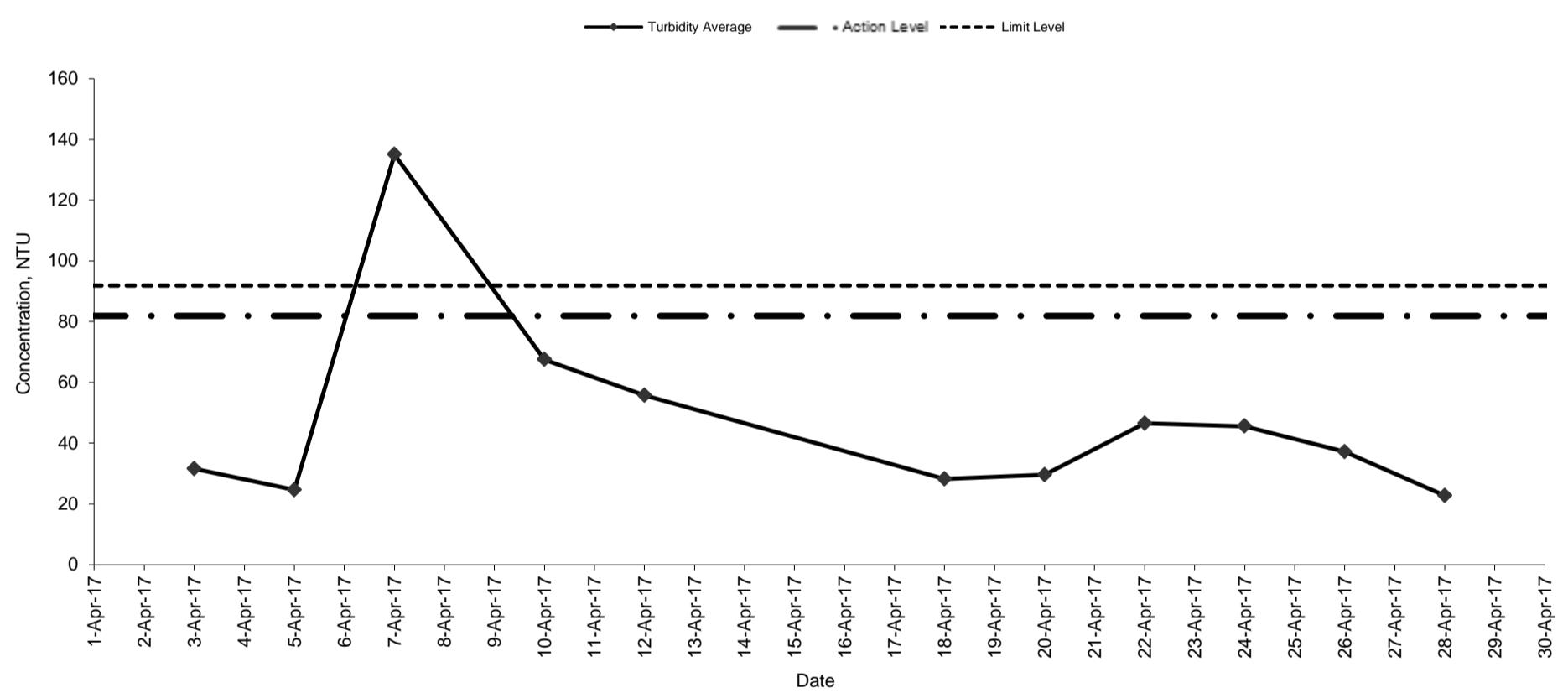


## Turbidity

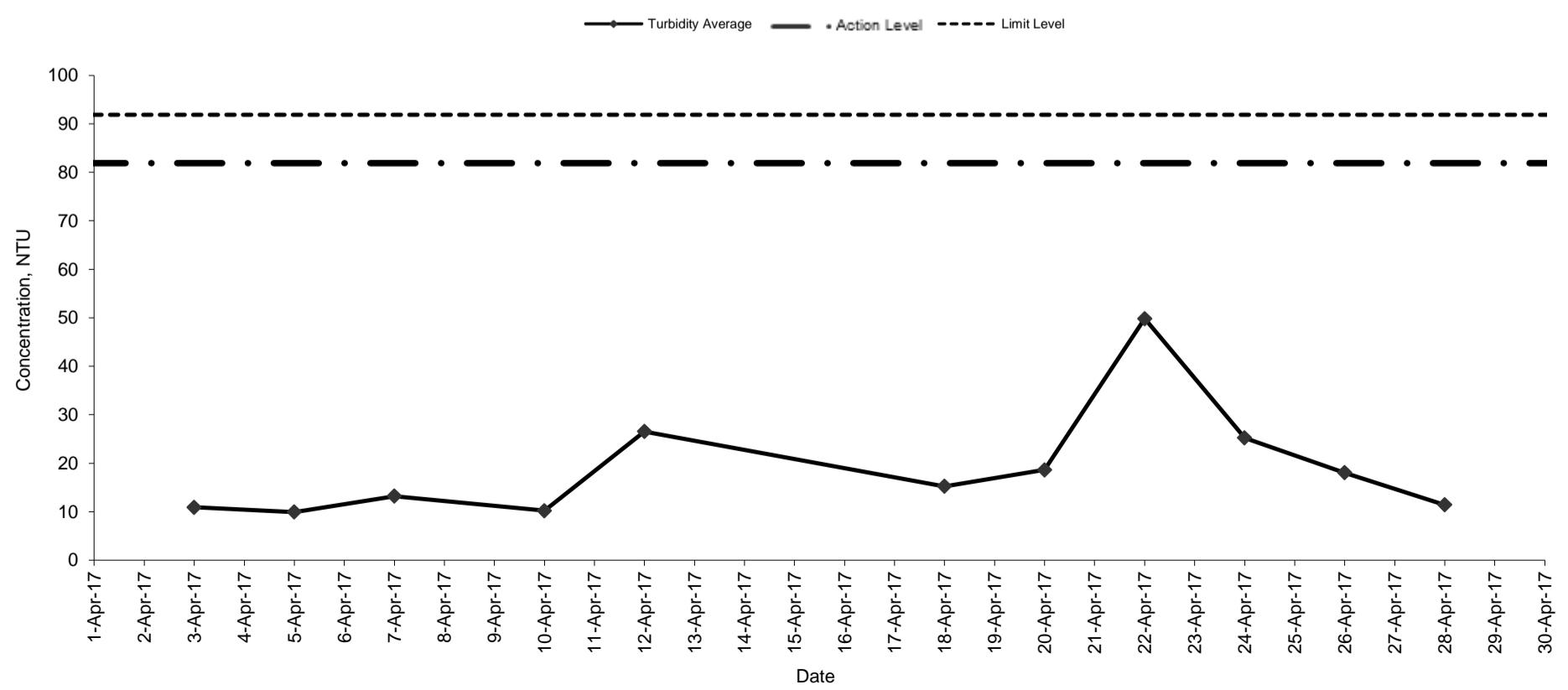
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C3a

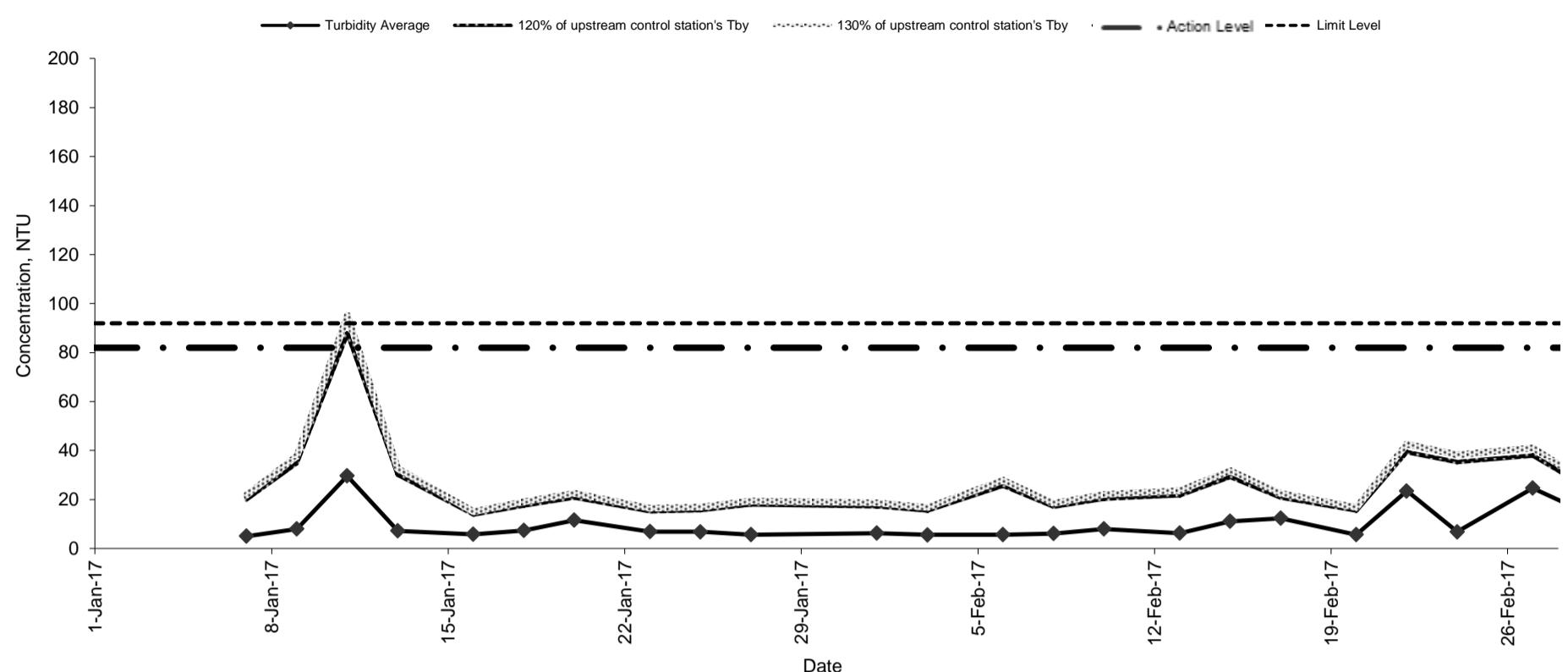


C3b

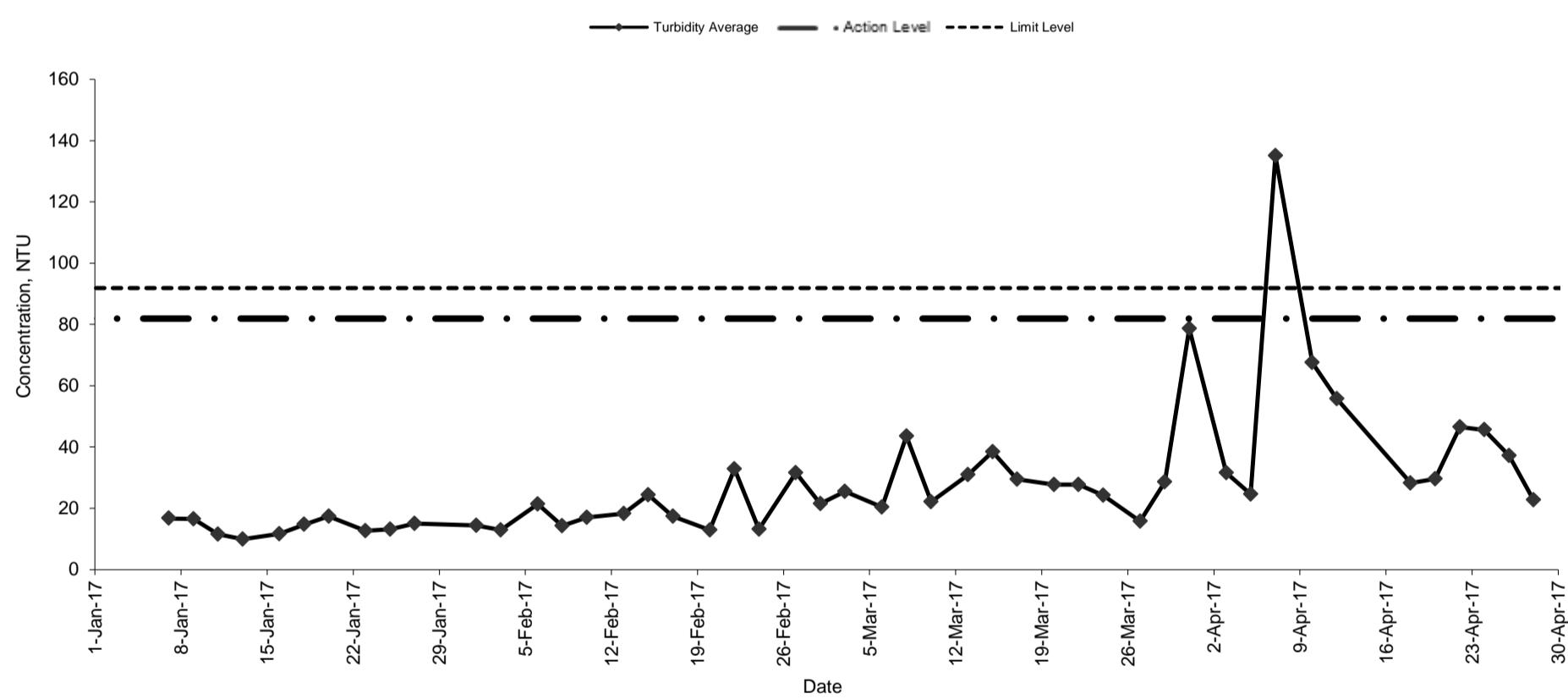


## Turbidity (January 2017 - April 2017)

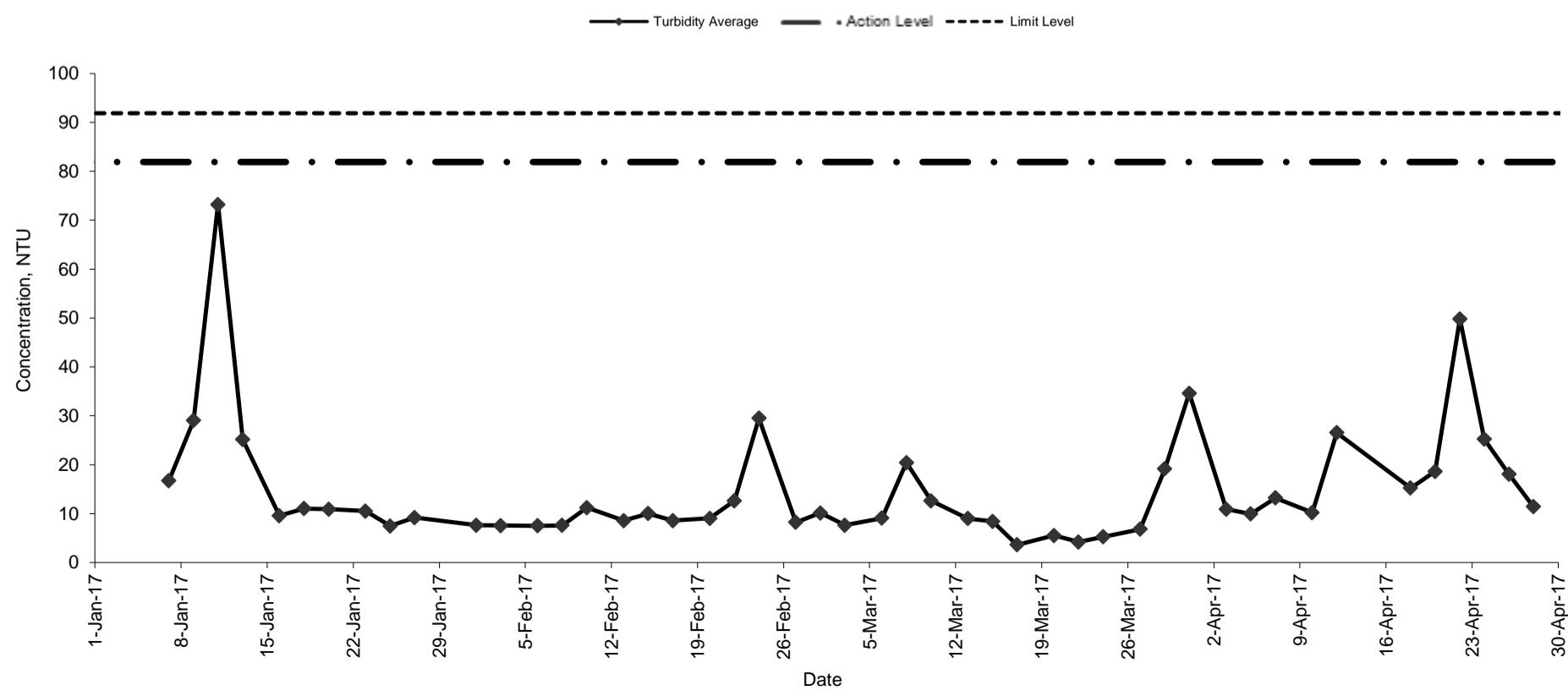
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C3a

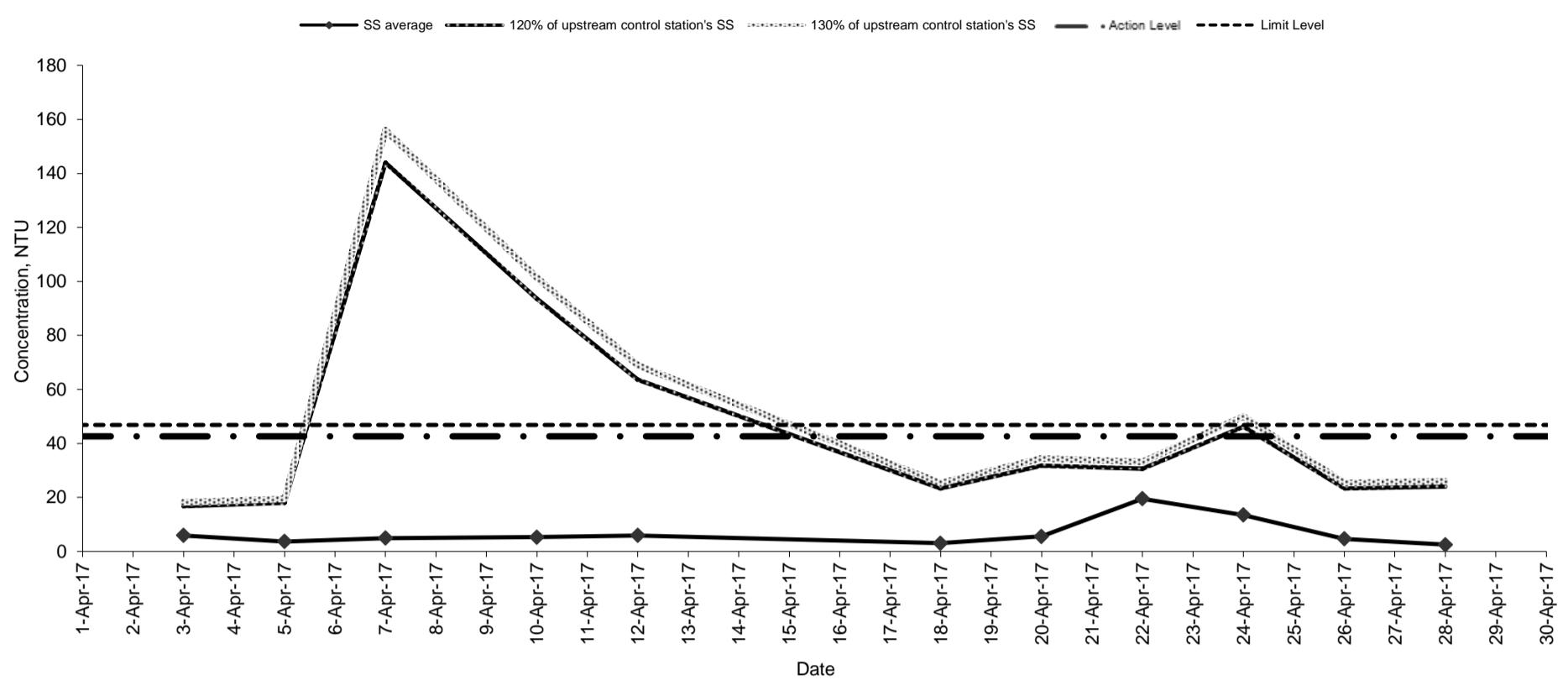


C3b

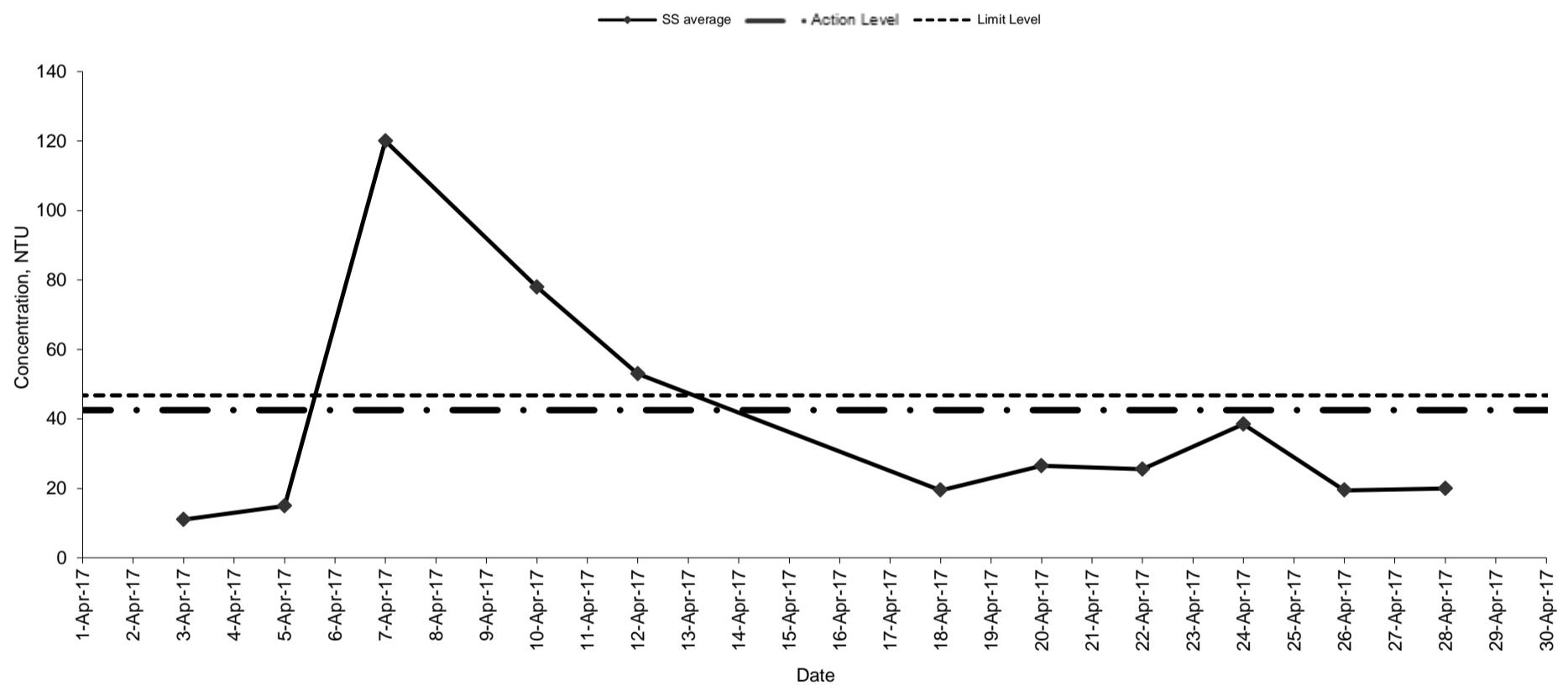


## Suspended Solid

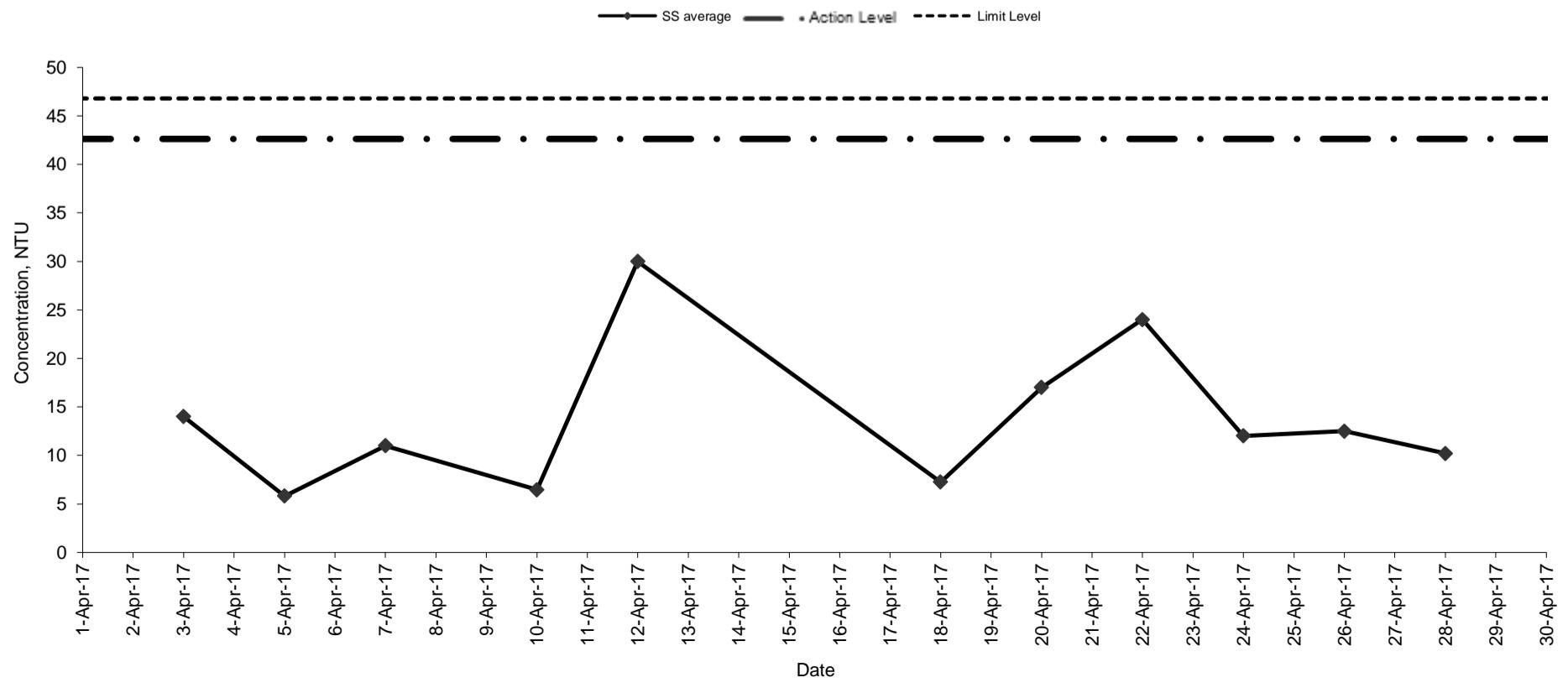
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C3a

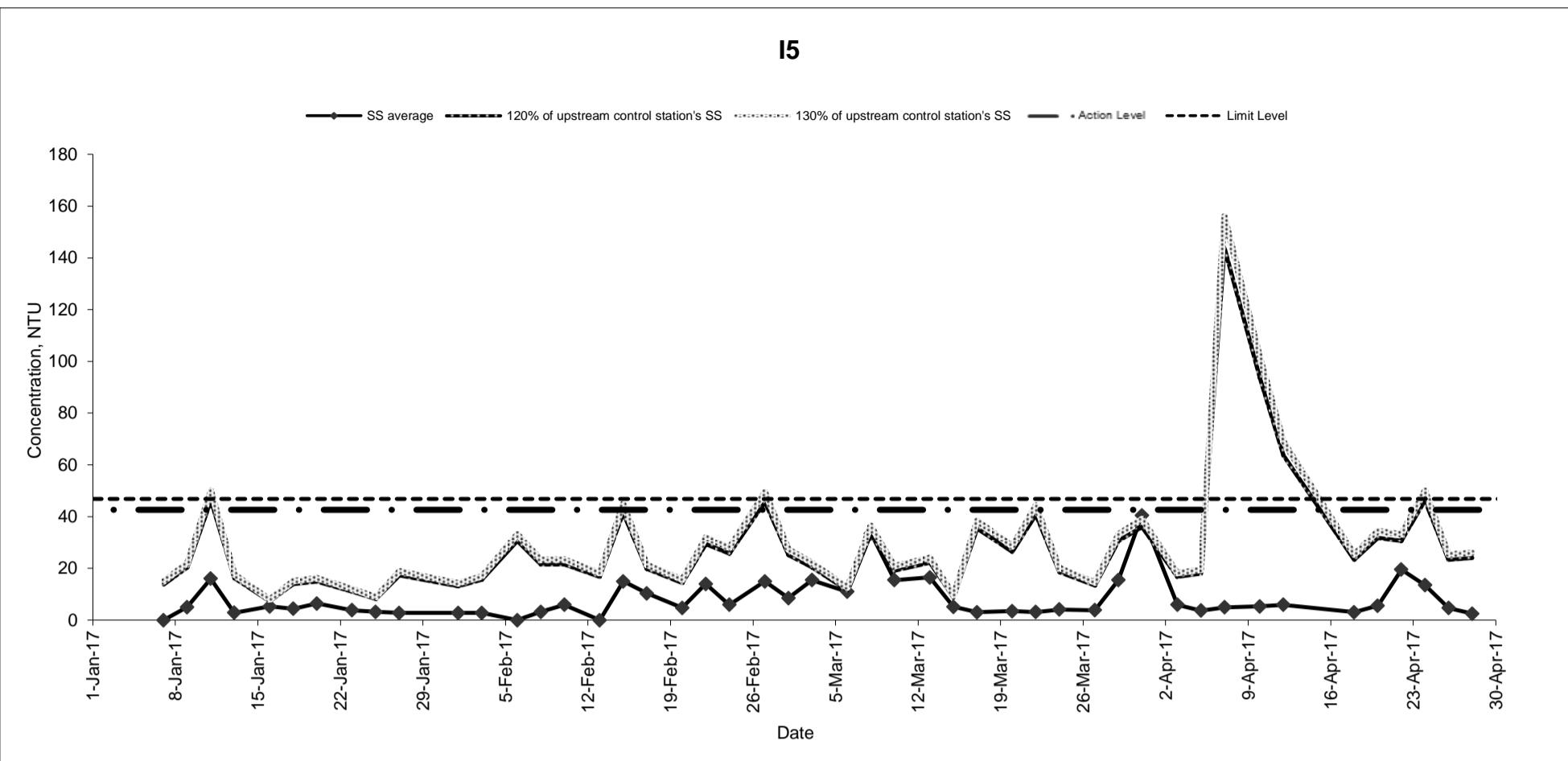


C3b

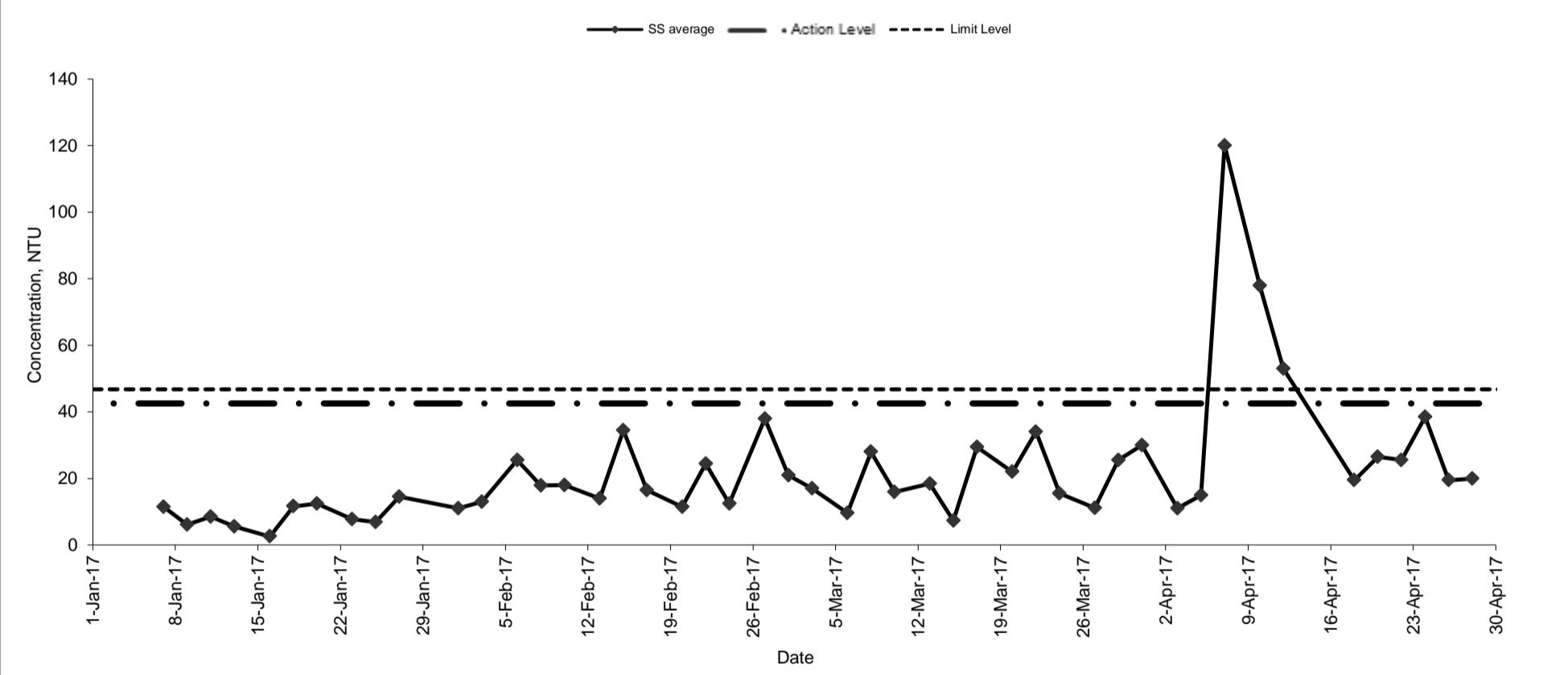


## Suspended Solid (January 2017 - April 2017)

15



C3a



C3b

