

Agreement No. CE 30/2014 (DS)  
Relocation of Sha Tin Sewage Treatment Works to Caverns:  
Caverns and Sewage Treatment Works – Investigation, Design and Construction

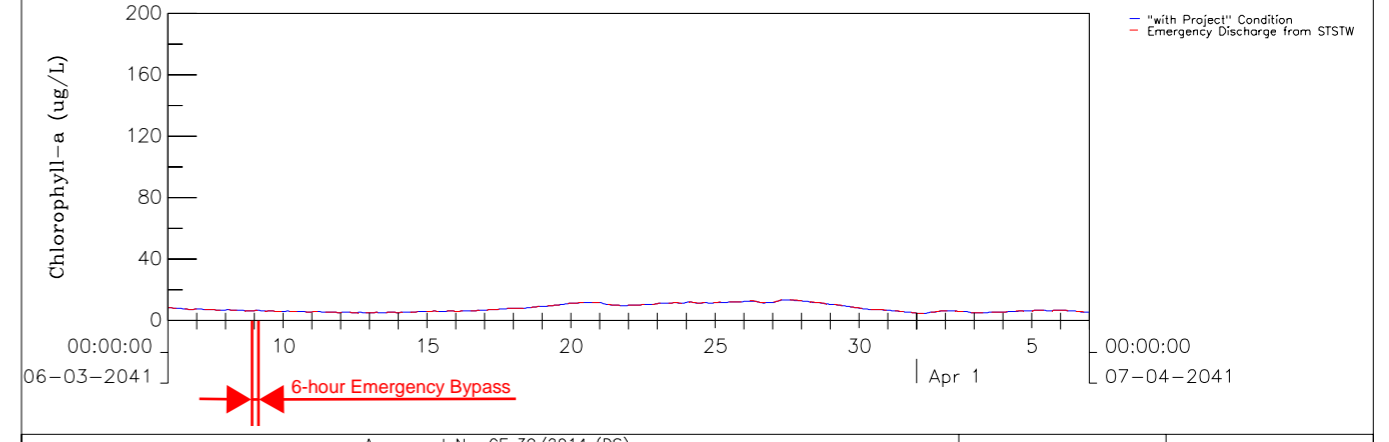
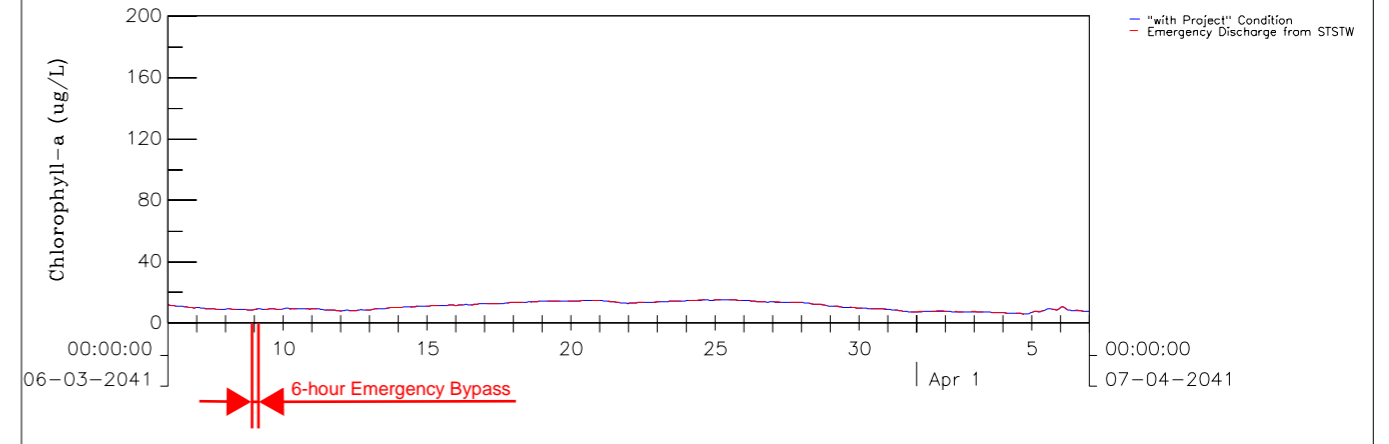
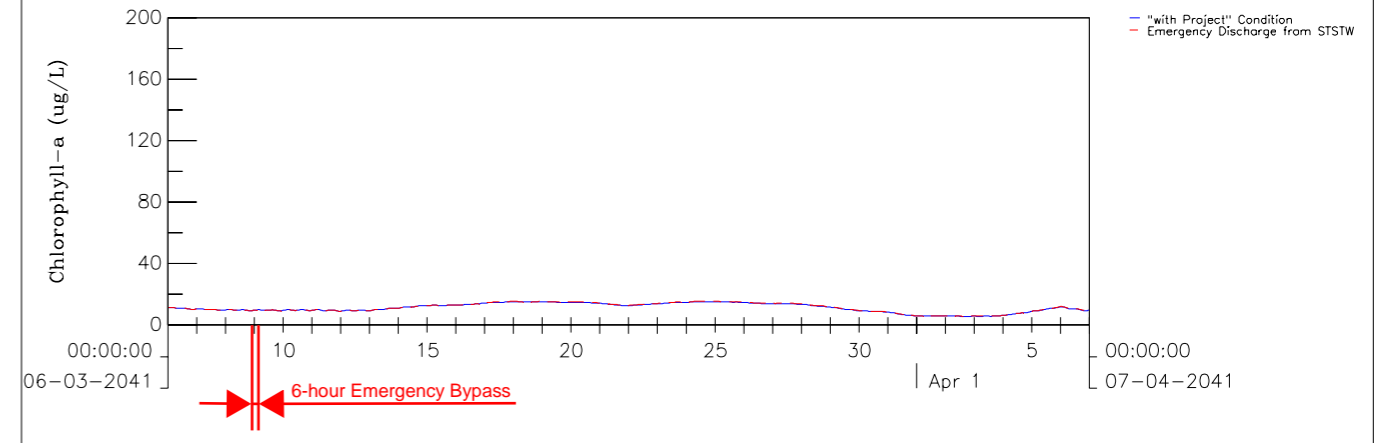
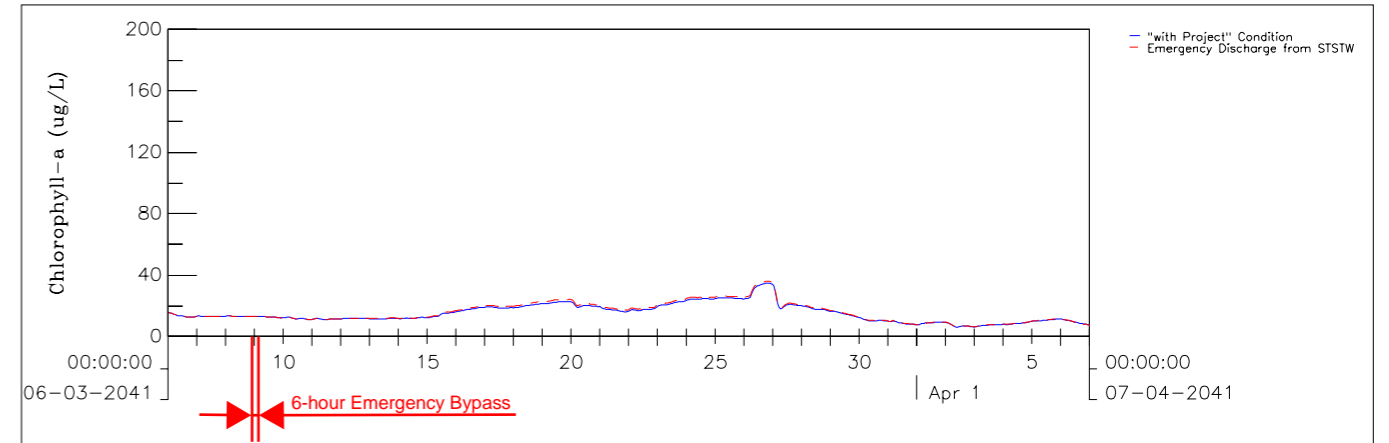
Timeseries Plot for Surface Chlorophyll-a (Top: W1; Upper: W2; Lower: CR16; Bottom: CR17)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 01

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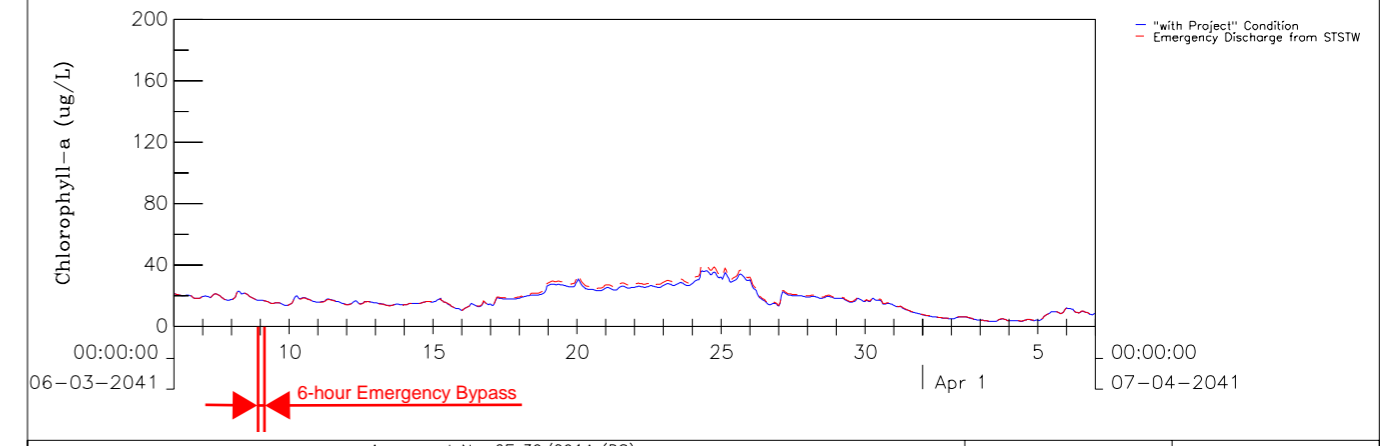
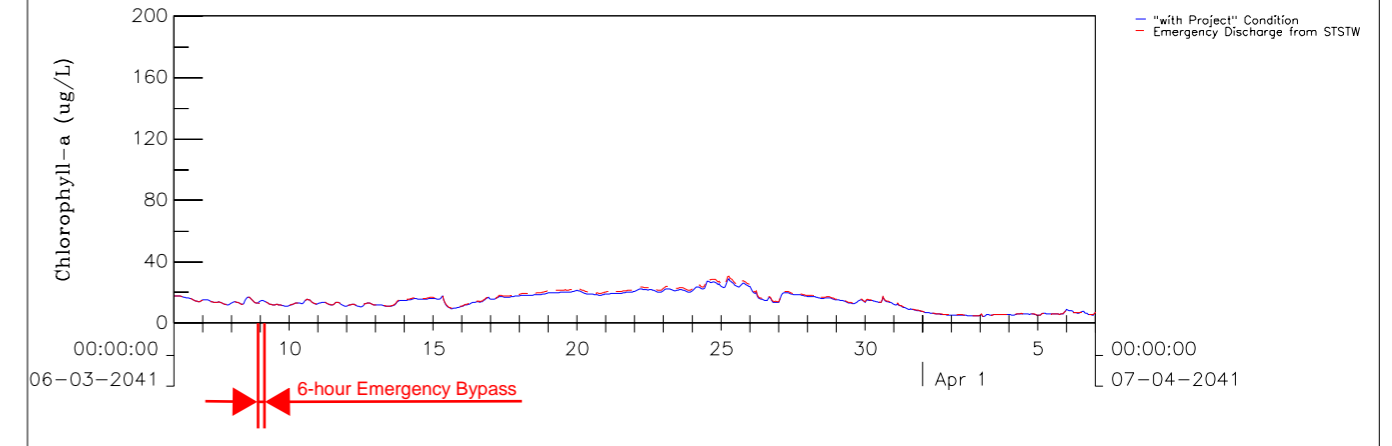
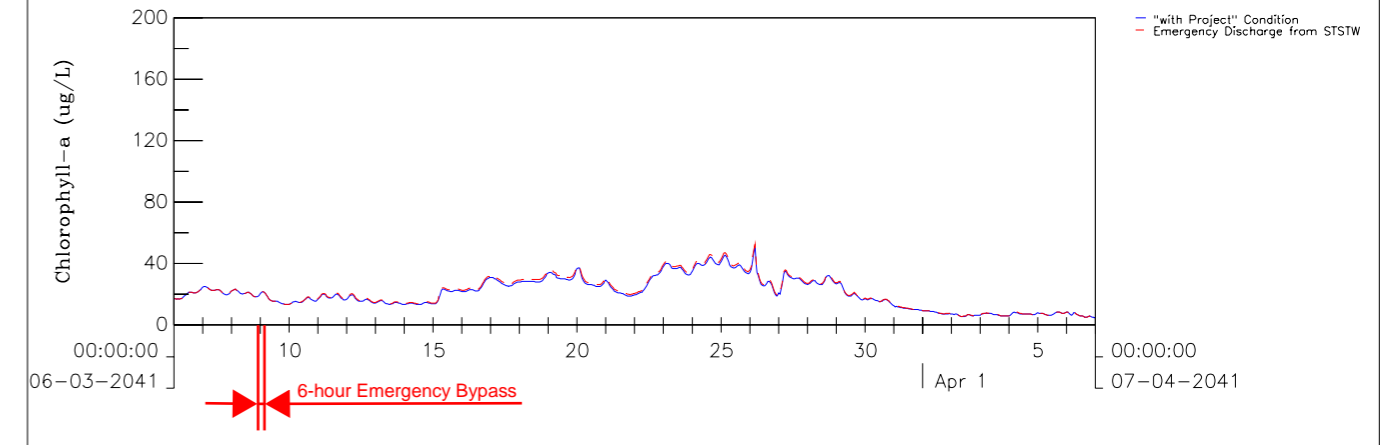
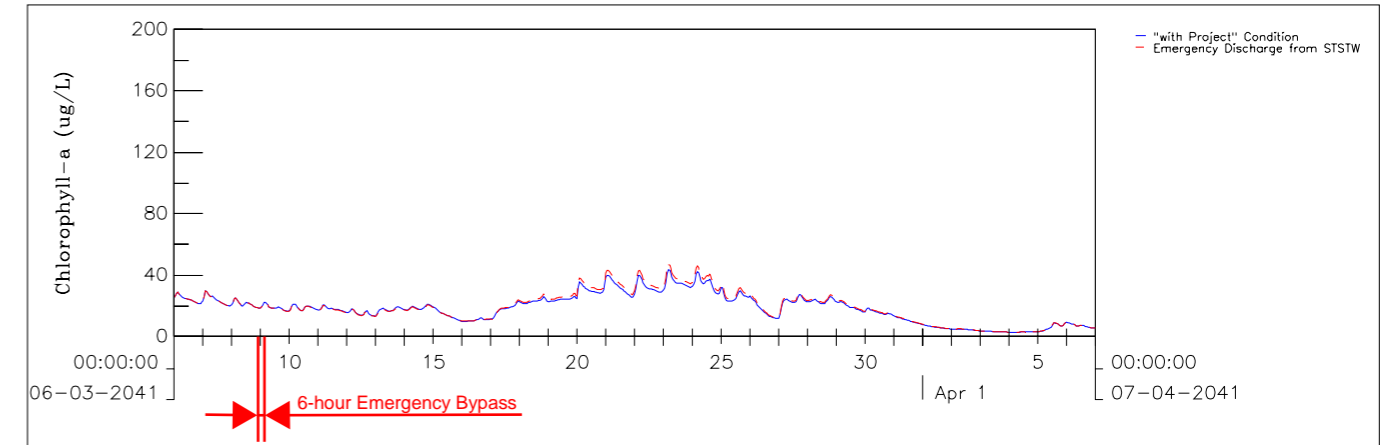
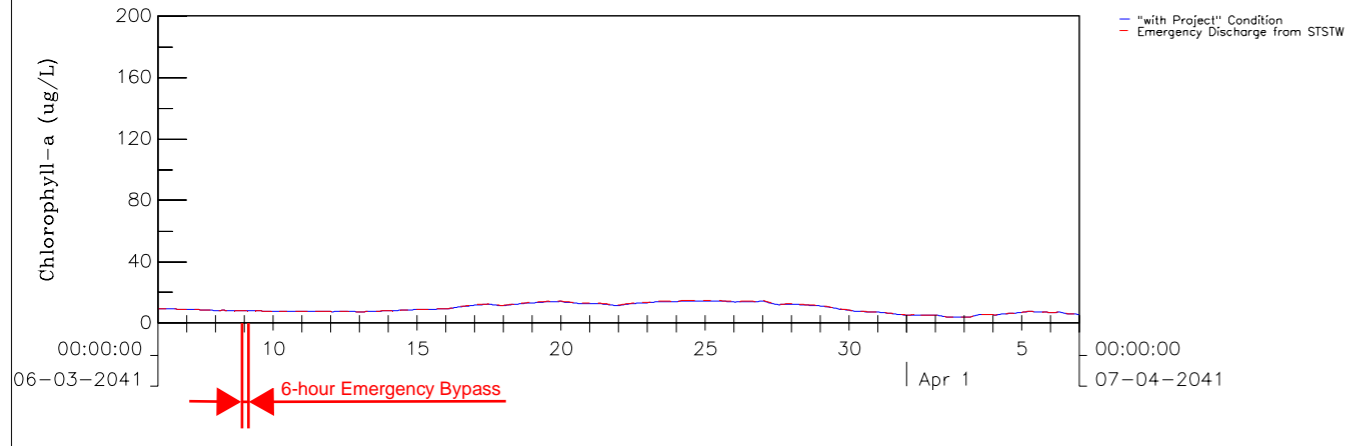
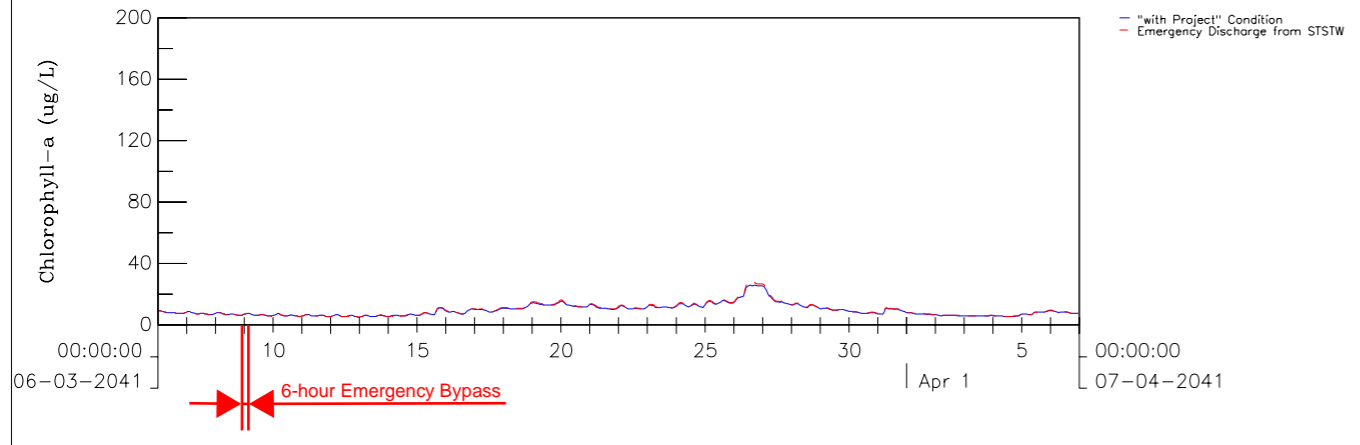
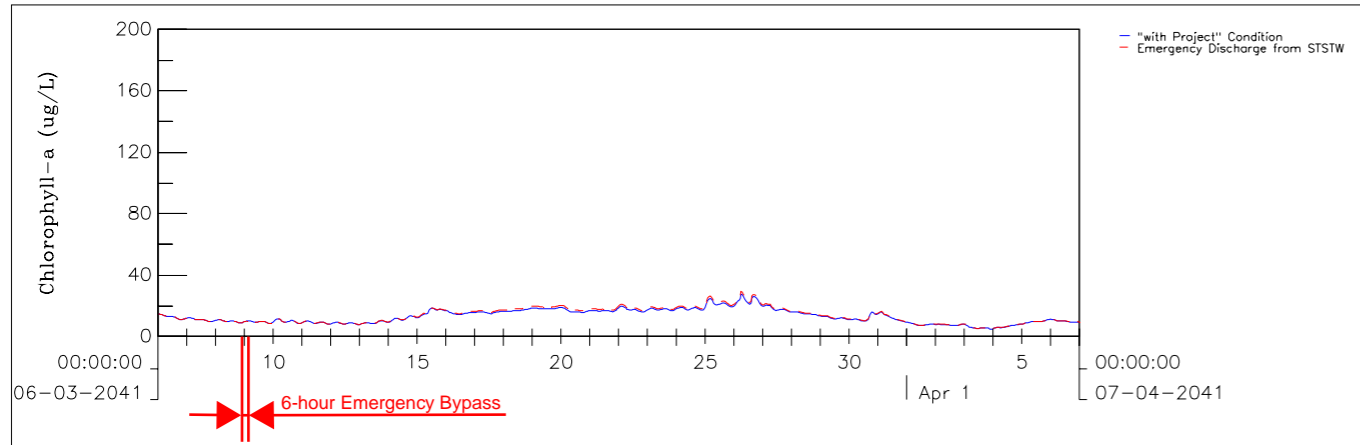
Timeseries Plot for Surface Chlorophyll-a (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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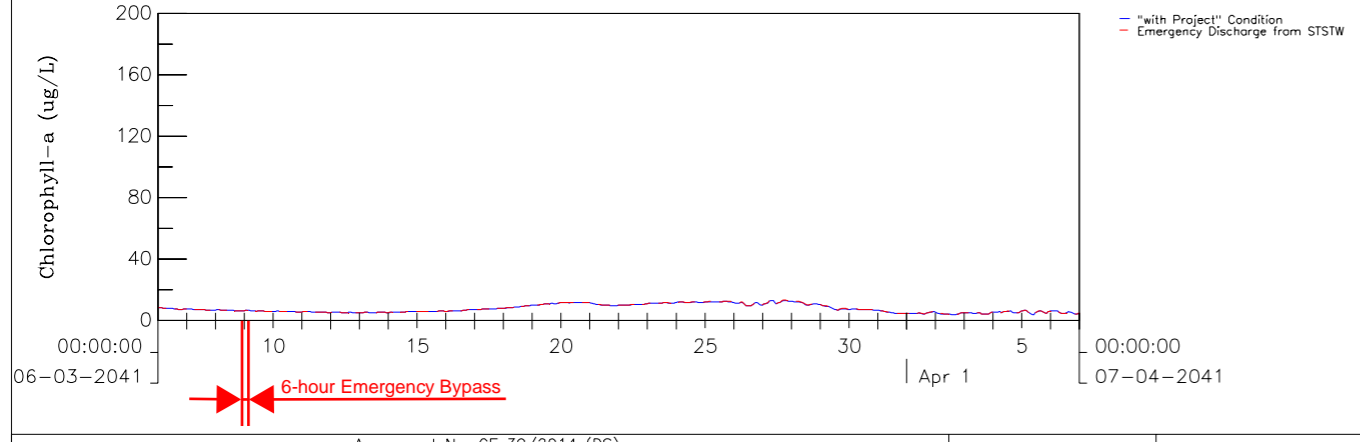
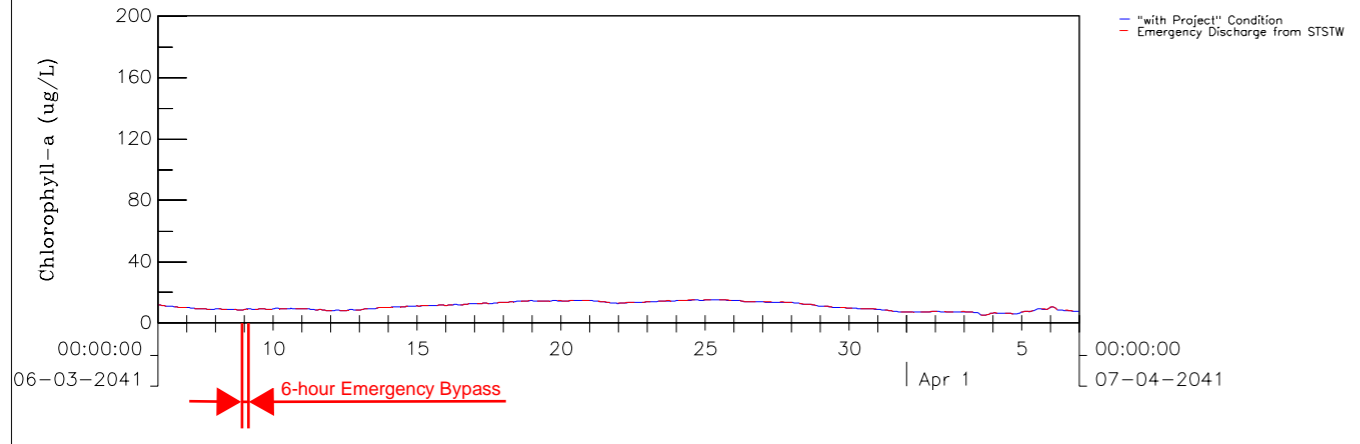
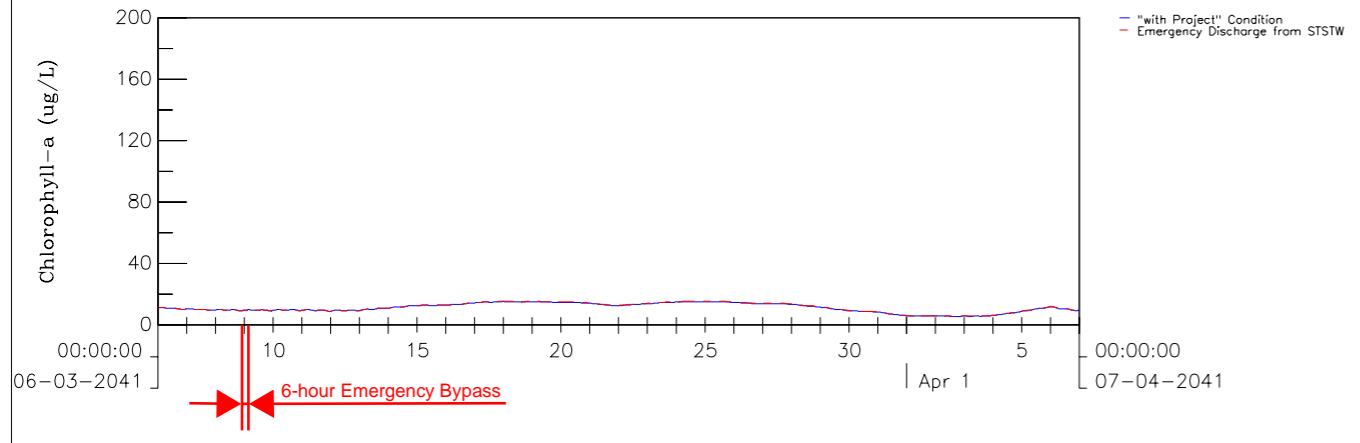
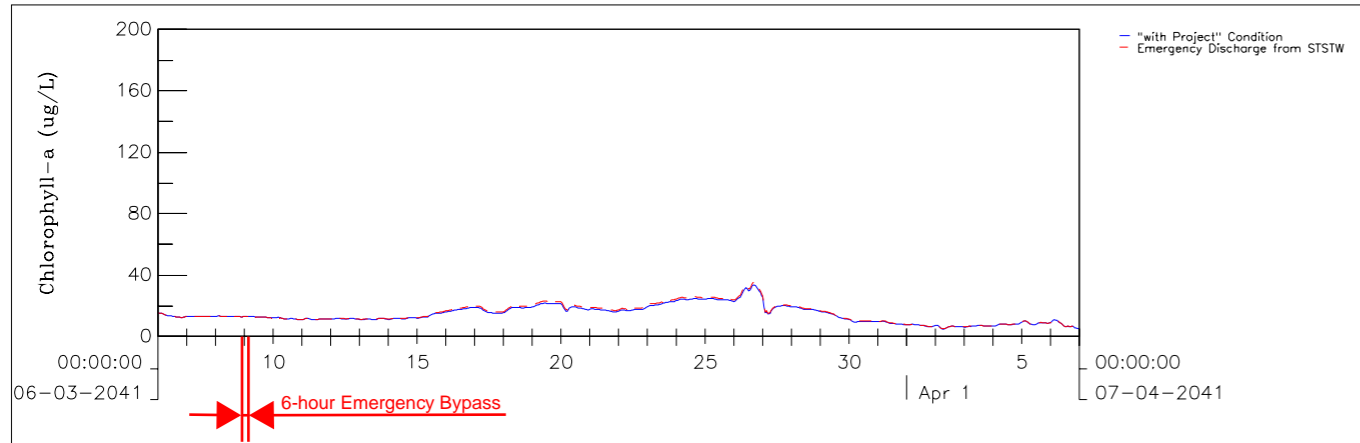
Figure 02

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Timeseries Plot for Surface Chlorophyll-a (Top: TM4; Upper: TM6; Lower: B1)		Figure 03
Blue: "With Project" Condition (Scenario 5); Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)		
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Timeseries Plot for Mid-Depth Chlorophyll-a (Top: W1; Upper: W2; Lower: CR16; Bottom: CR17)		Figure 04
Blue: "With Project" Condition (Scenario 5); Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)		
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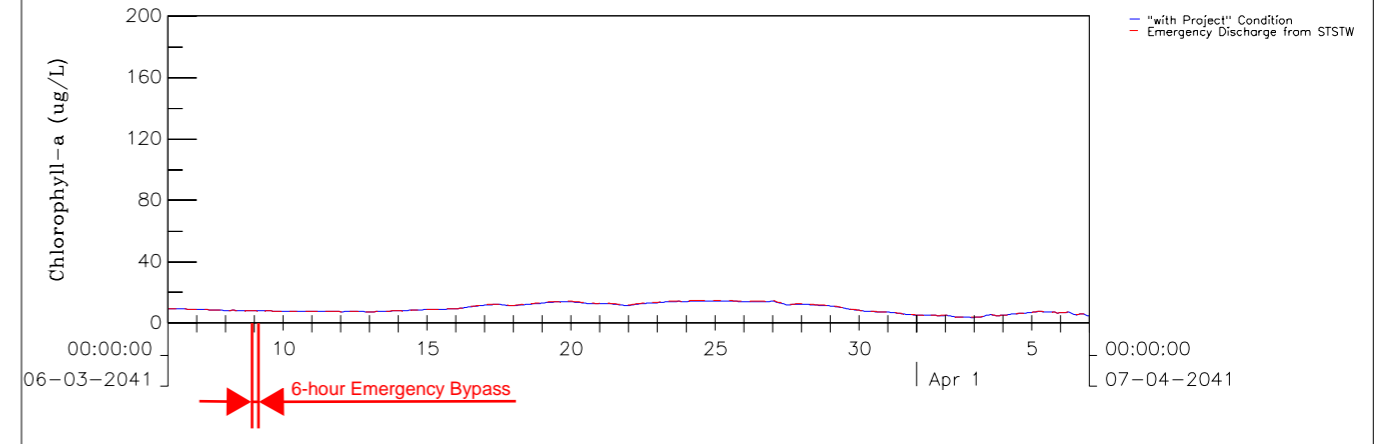
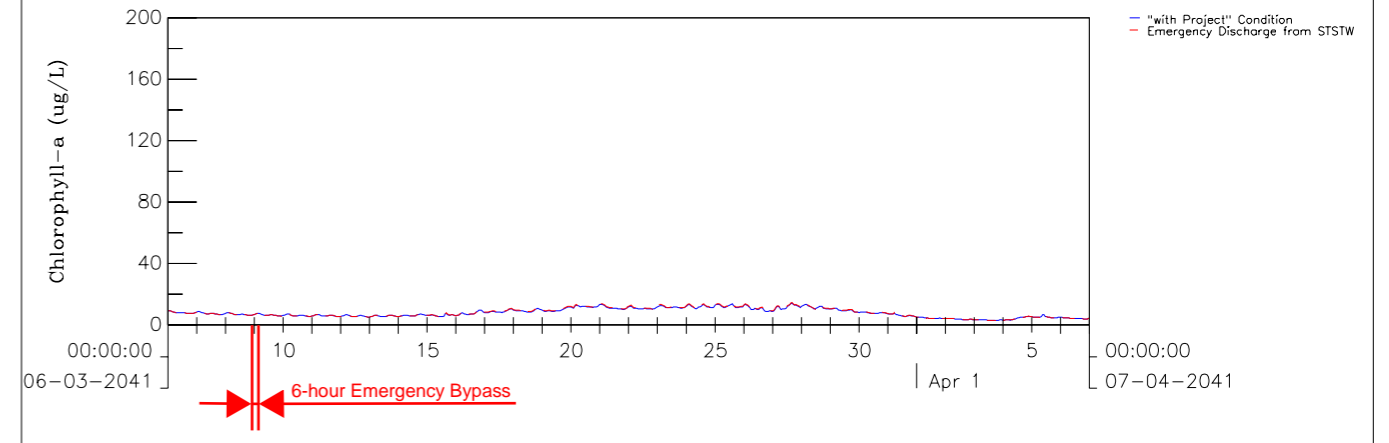
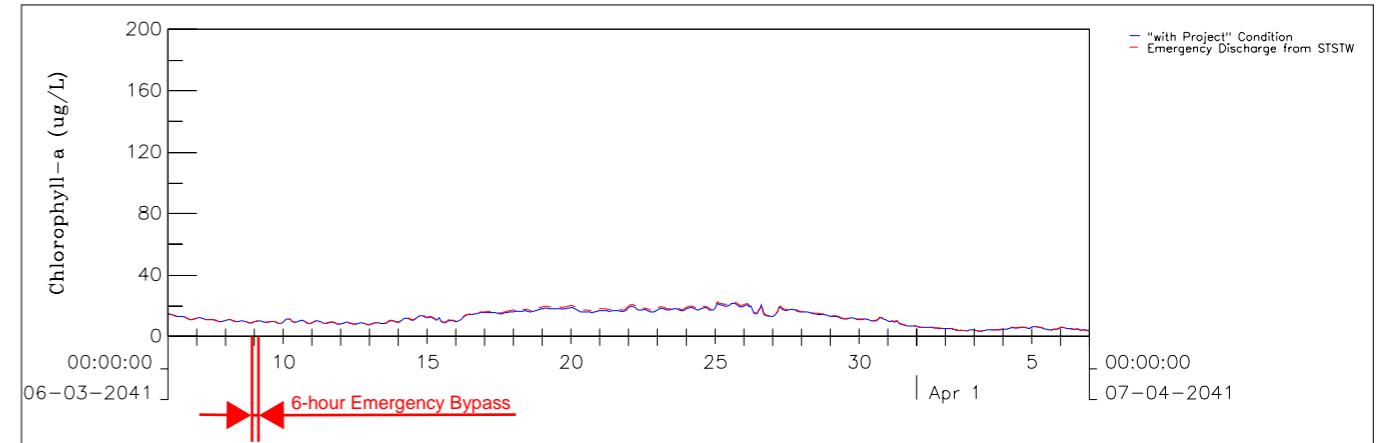
Timeseries Plot for Mid-Depth Chlorophyll-a (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 05

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Caverns and Sewage Treatment Works – Investigation, Design and Construction

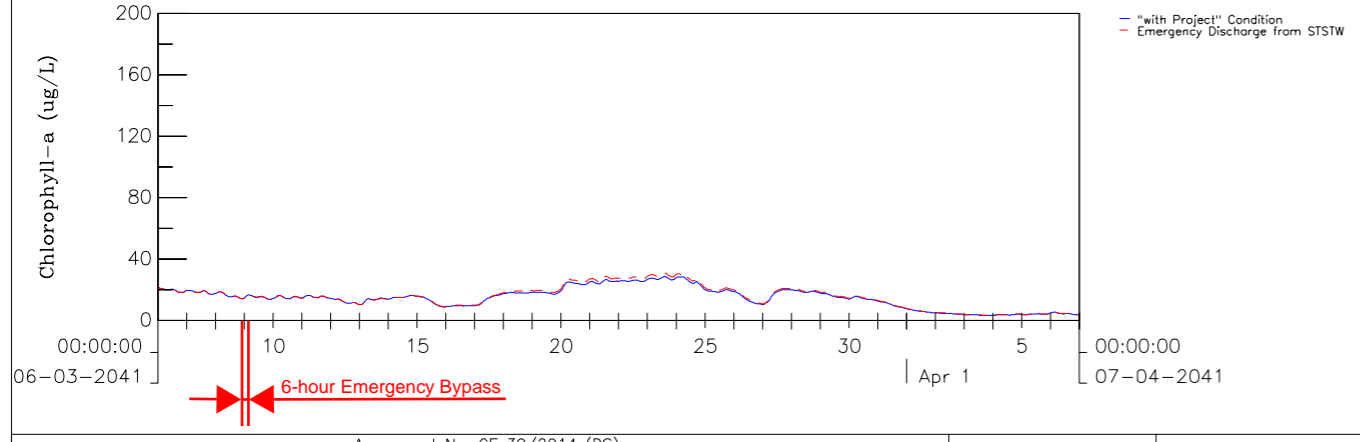
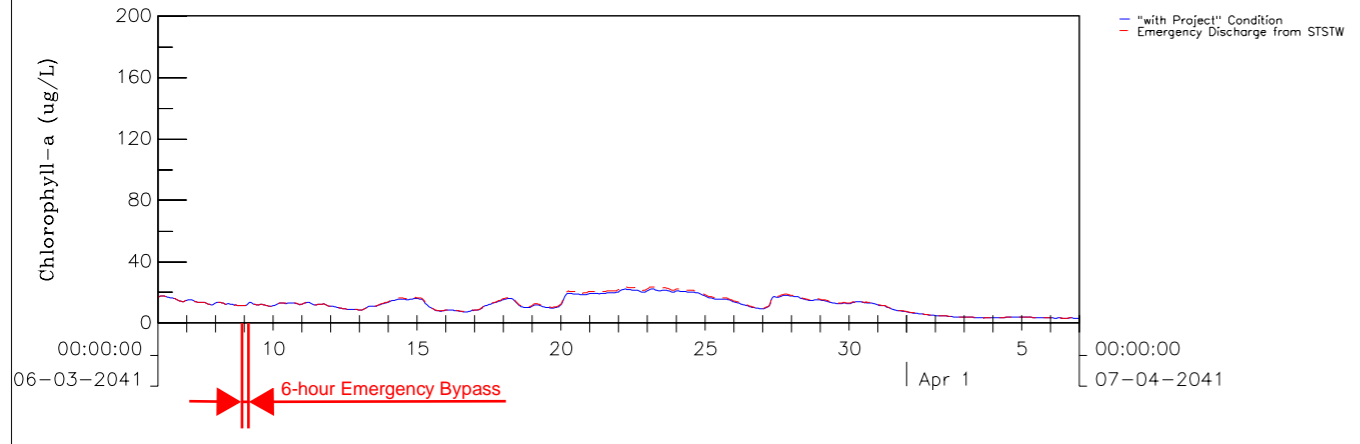
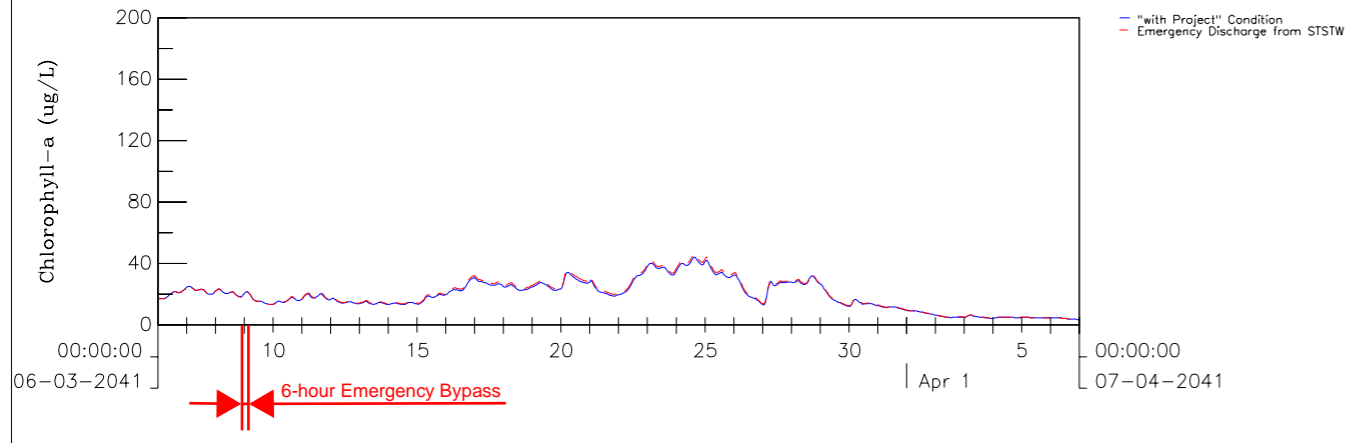
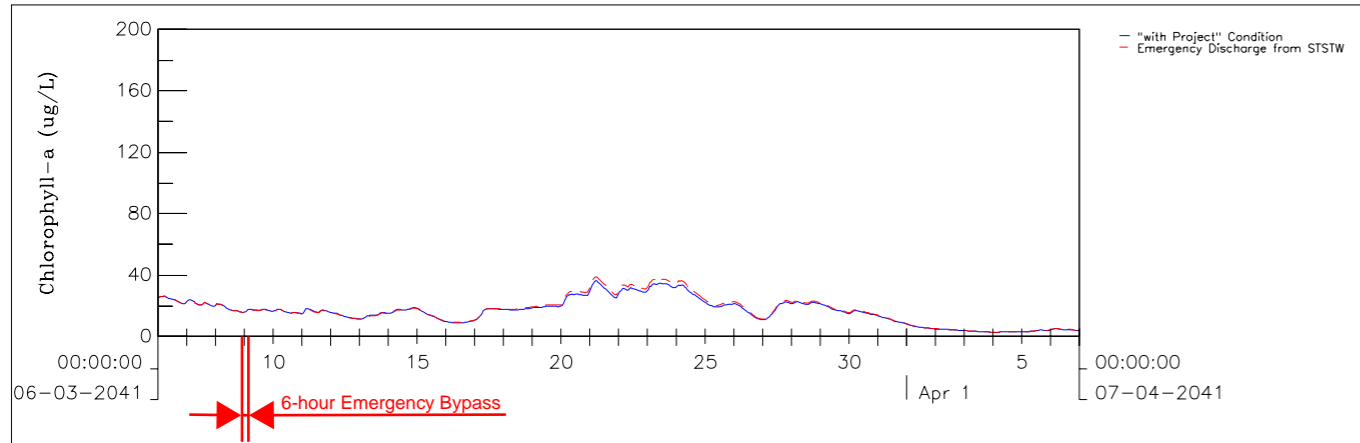
Timeseries Plot for Mid-Depth Chlorophyll-a (Top: TM4; Upper: TM6; Lower: B1)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 06

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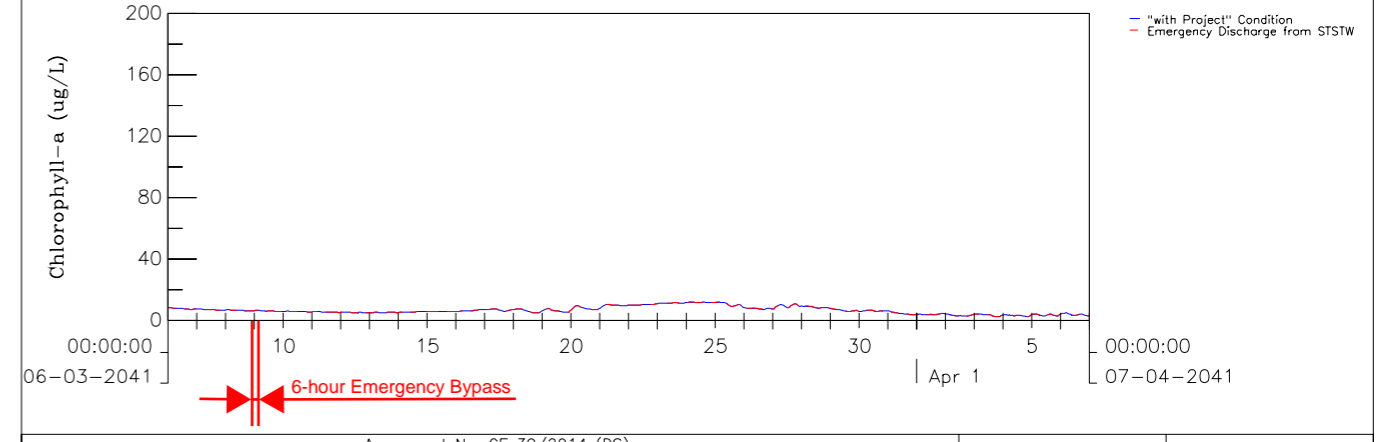
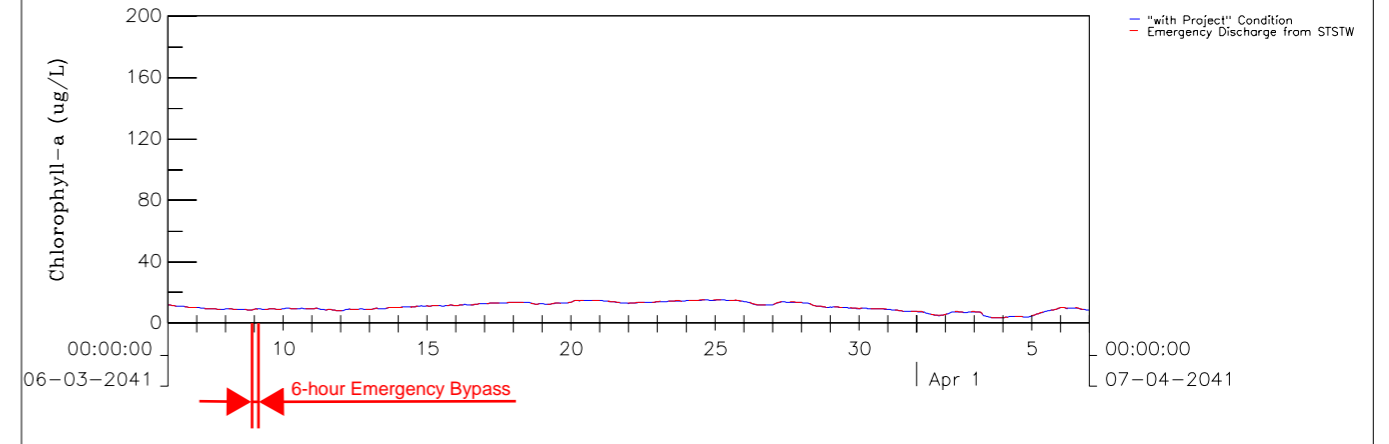
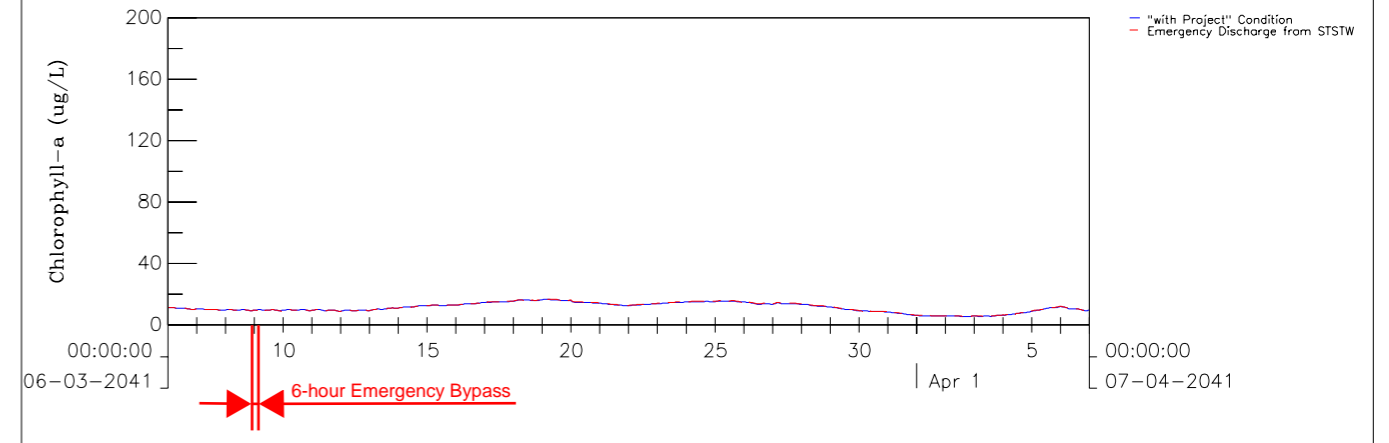
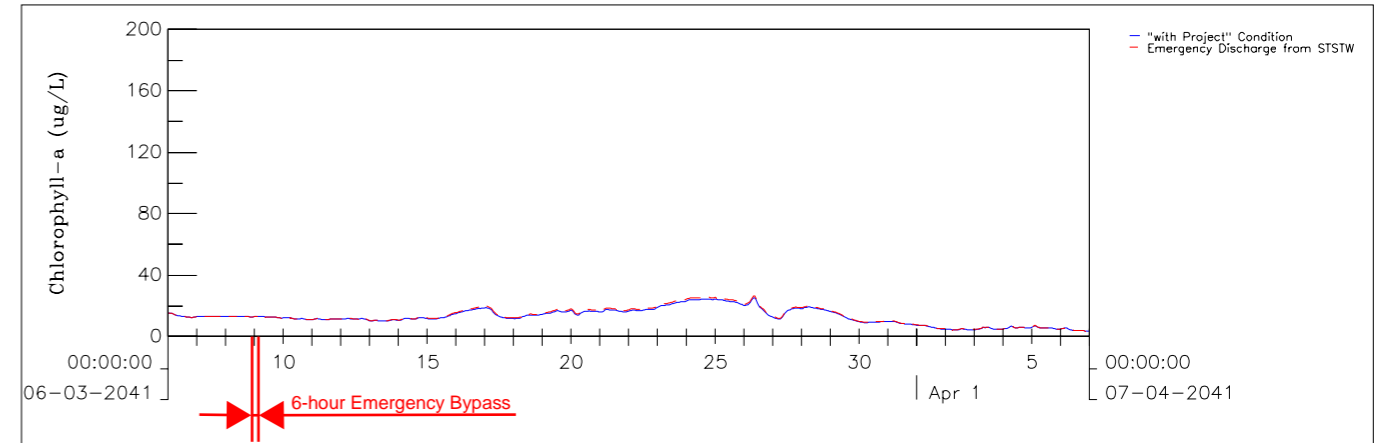
Timeseries Plot for Bottom Chlorophyll-a (Top: W1; Upper: W2; Lower: CR16; Bottom: CR17)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 07

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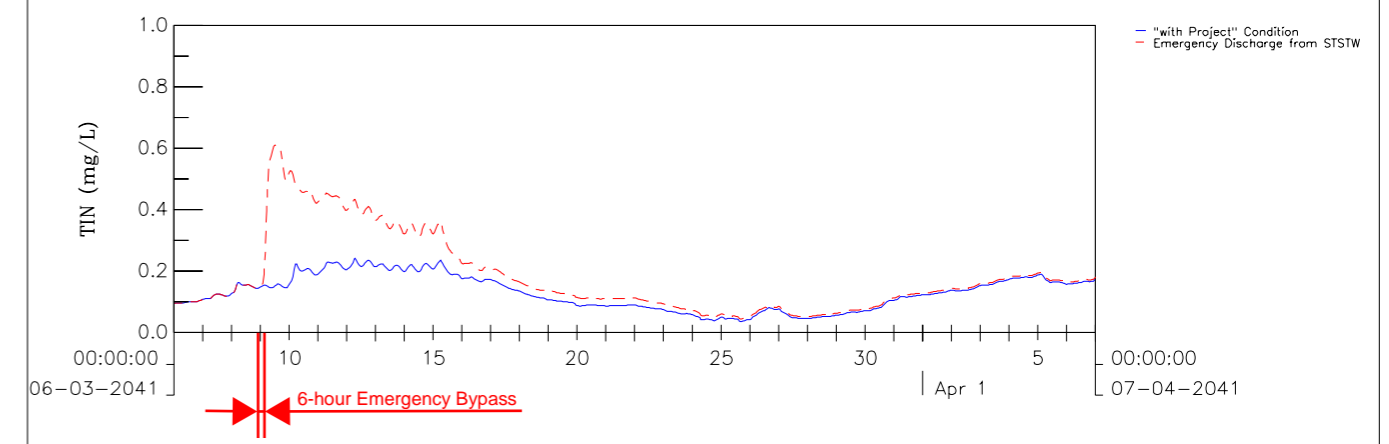
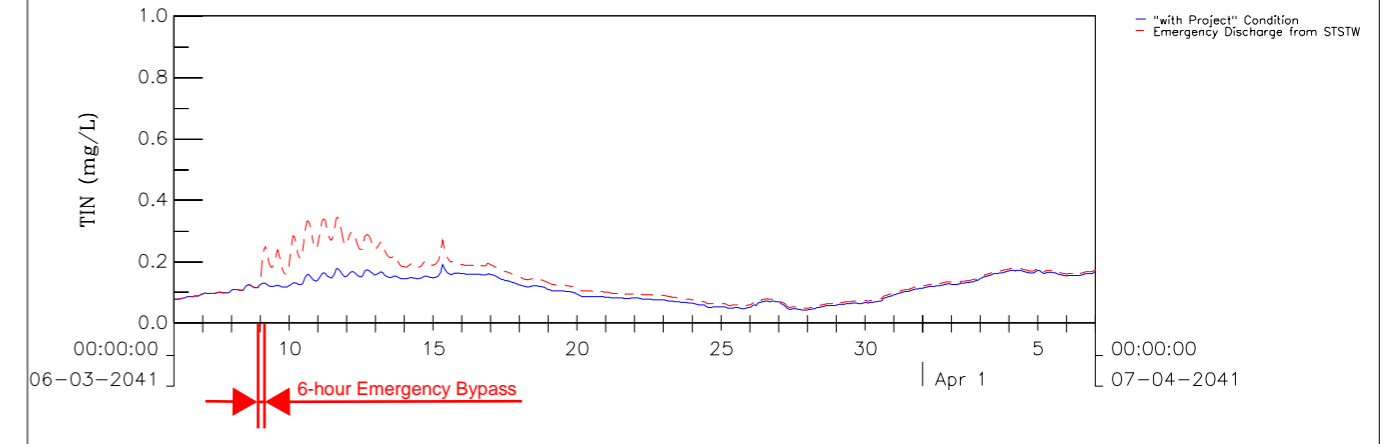
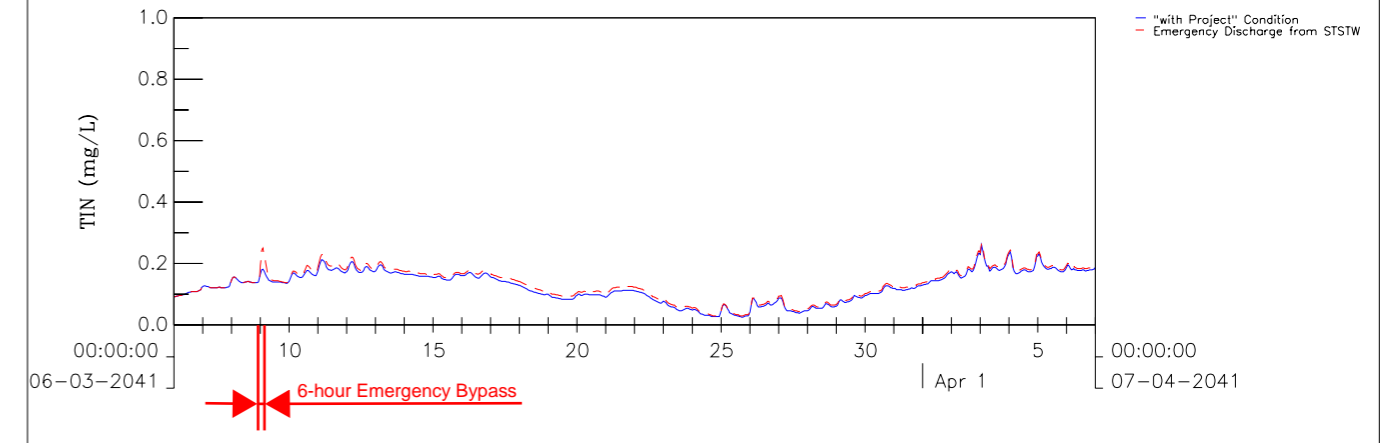
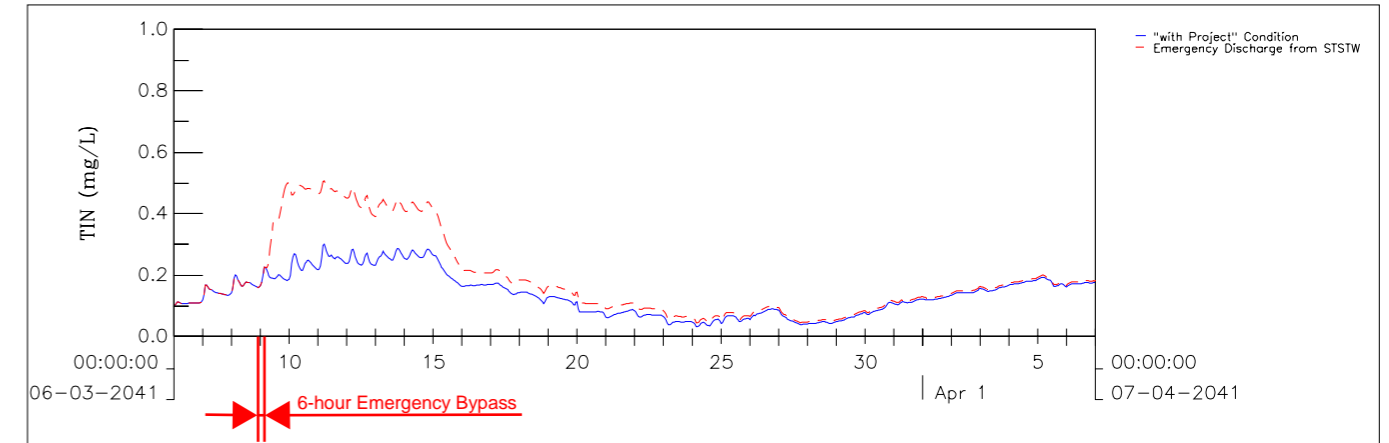
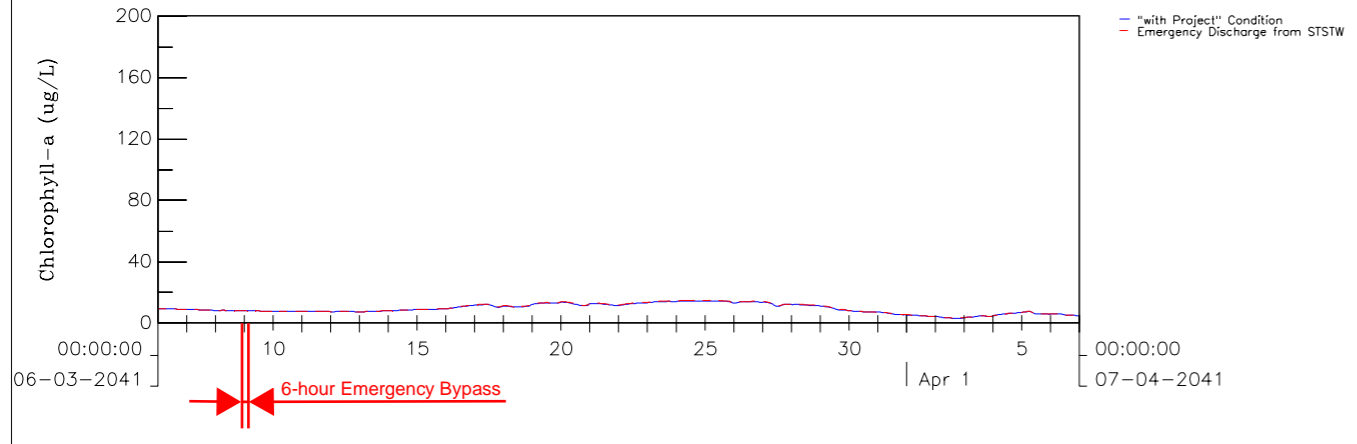
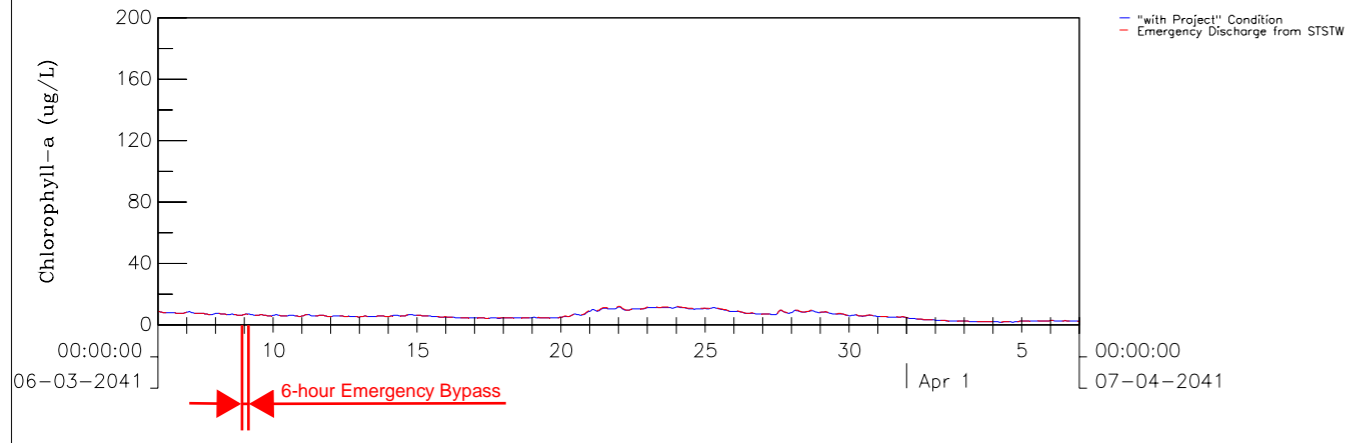
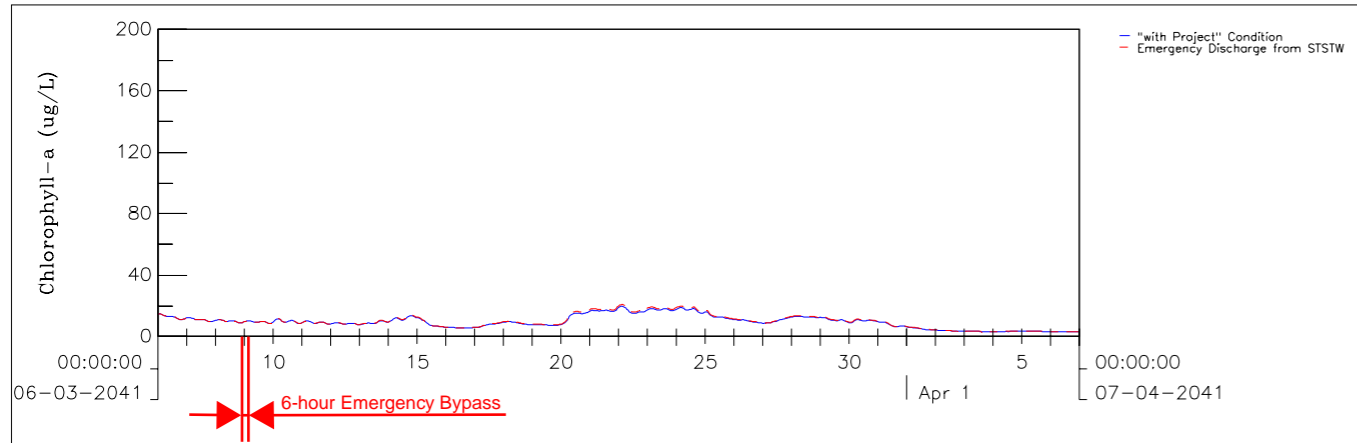
Timeseries Plot for Bottom Chlorophyll-a (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 08

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Timeseries Plot for Bottom Chlorophyll-a (Top: TM4; Upper: TM6; Lower: B1)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 09

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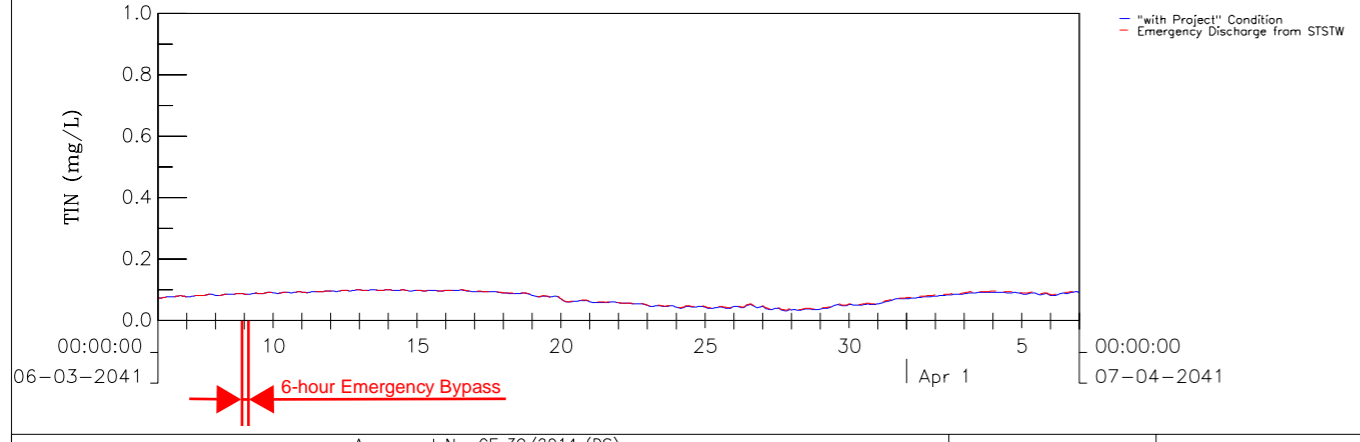
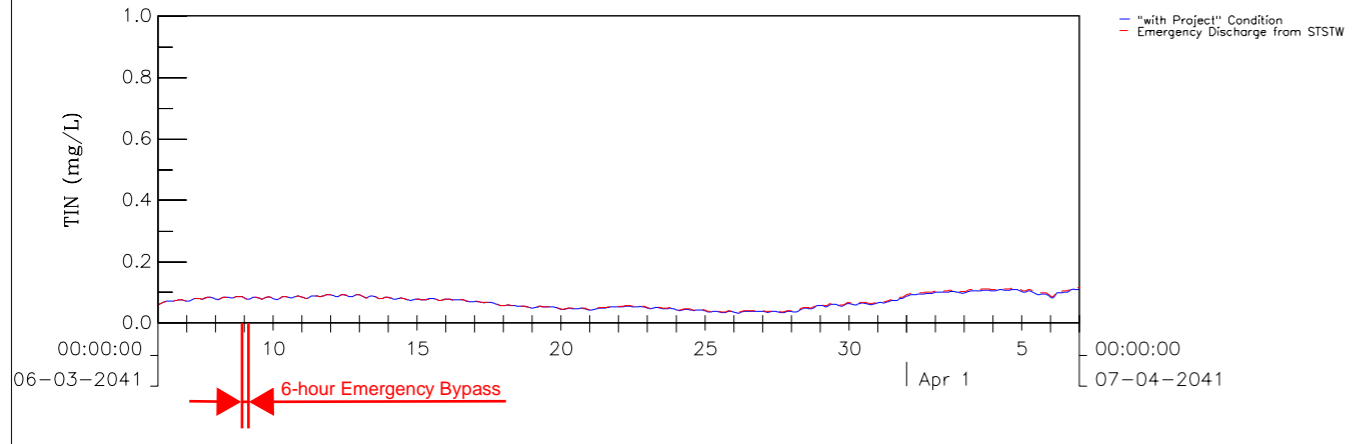
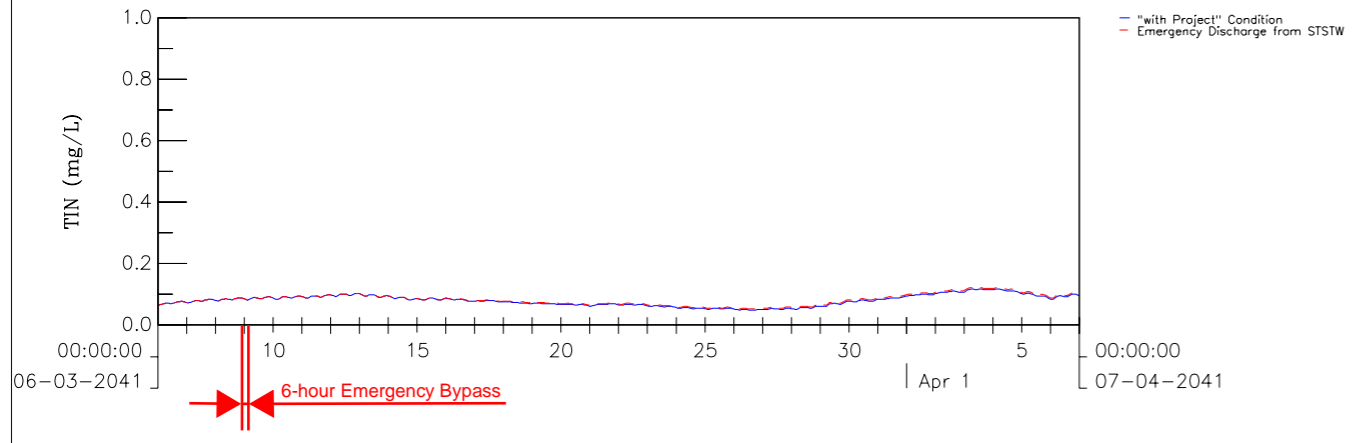
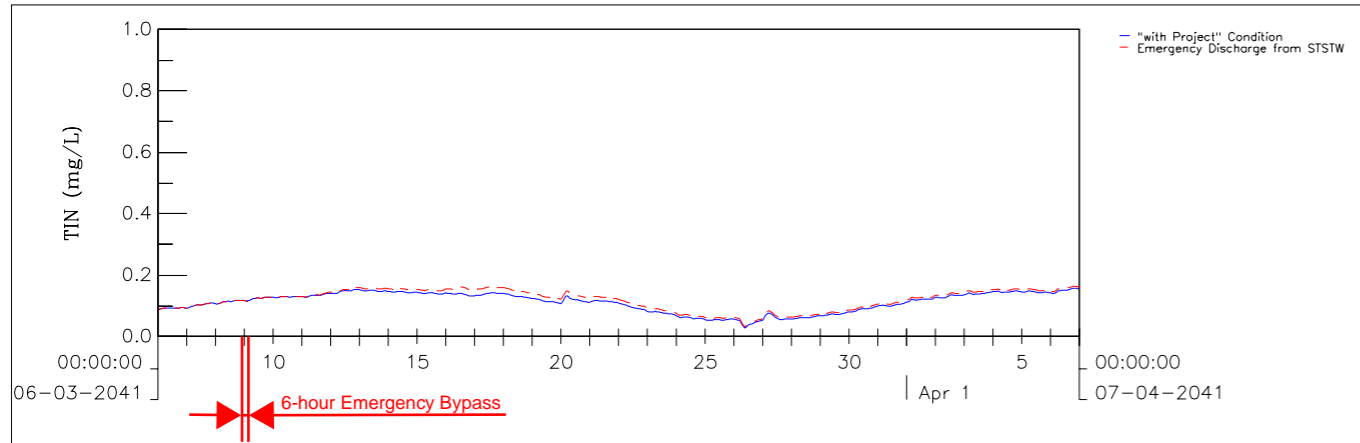
Timeseries Plot for Total Inorganic Nitrogen (Mid-Depth – Top: W1; Upper: W2; Depth-Averaged – Lower: CR16; Bottom: CR17)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 10

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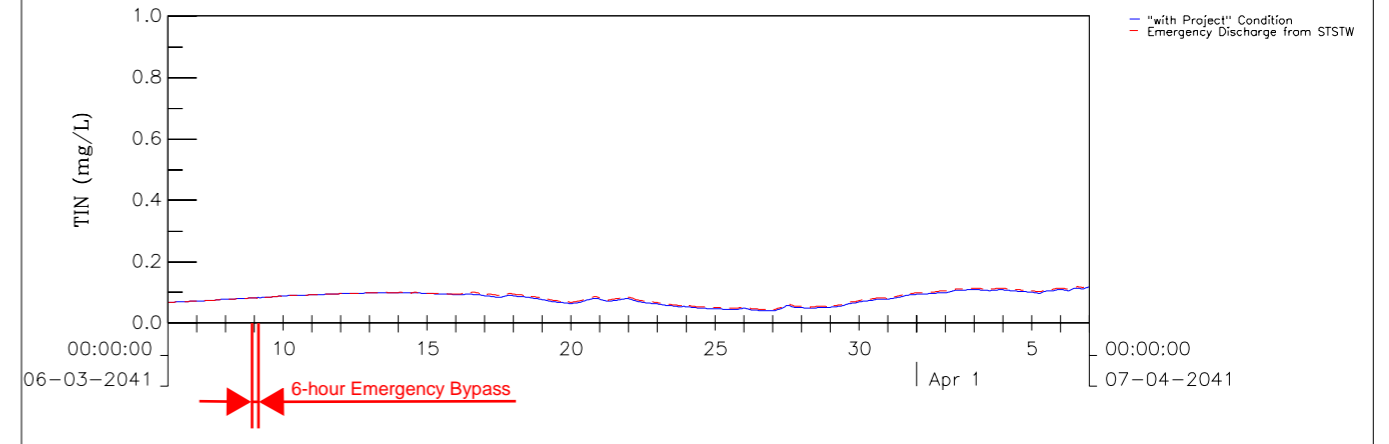
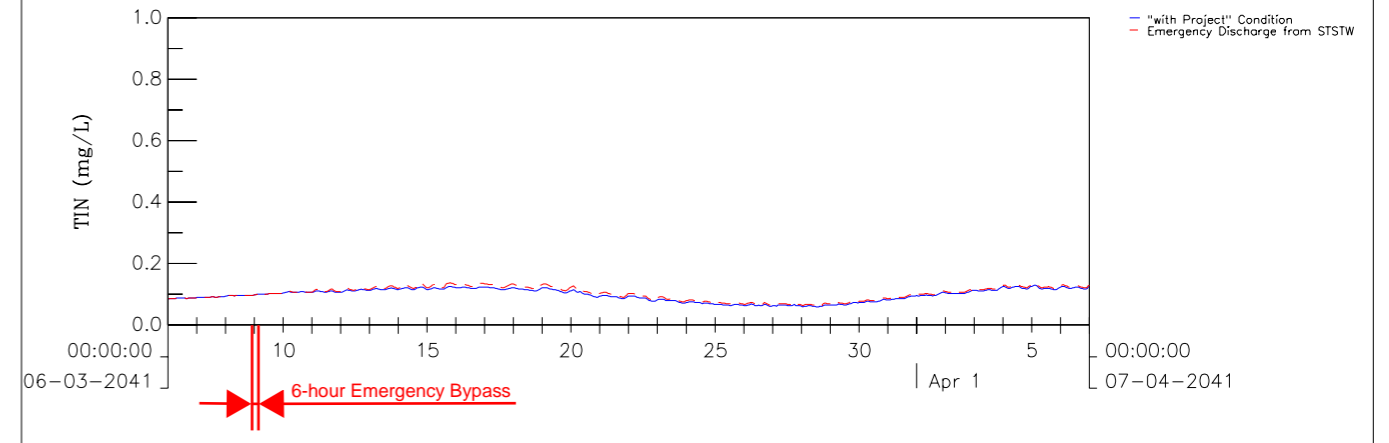
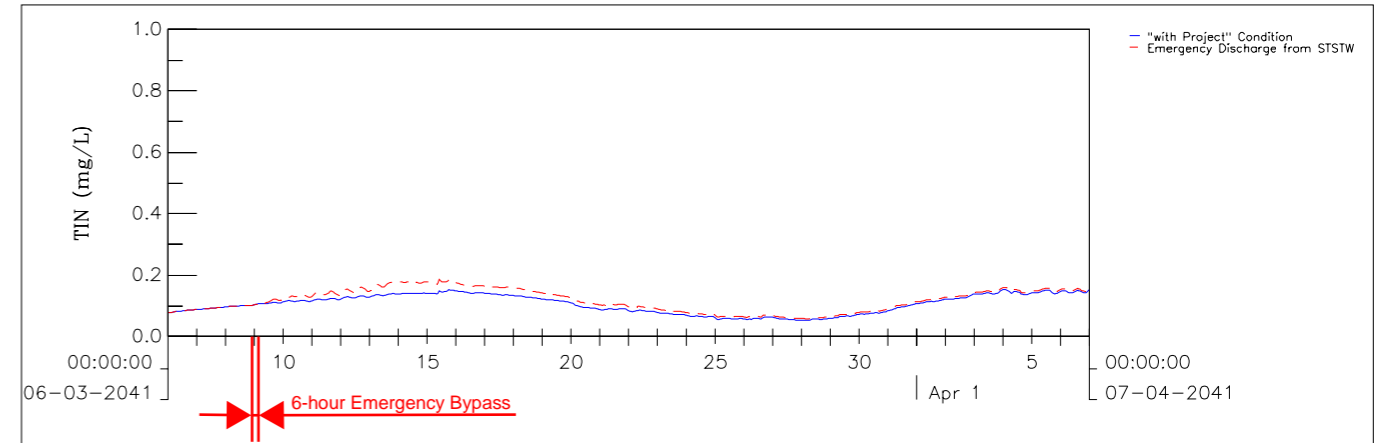
Timeseries Plot for Depth-Averaged Total Inorganic Nitrogen (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 11

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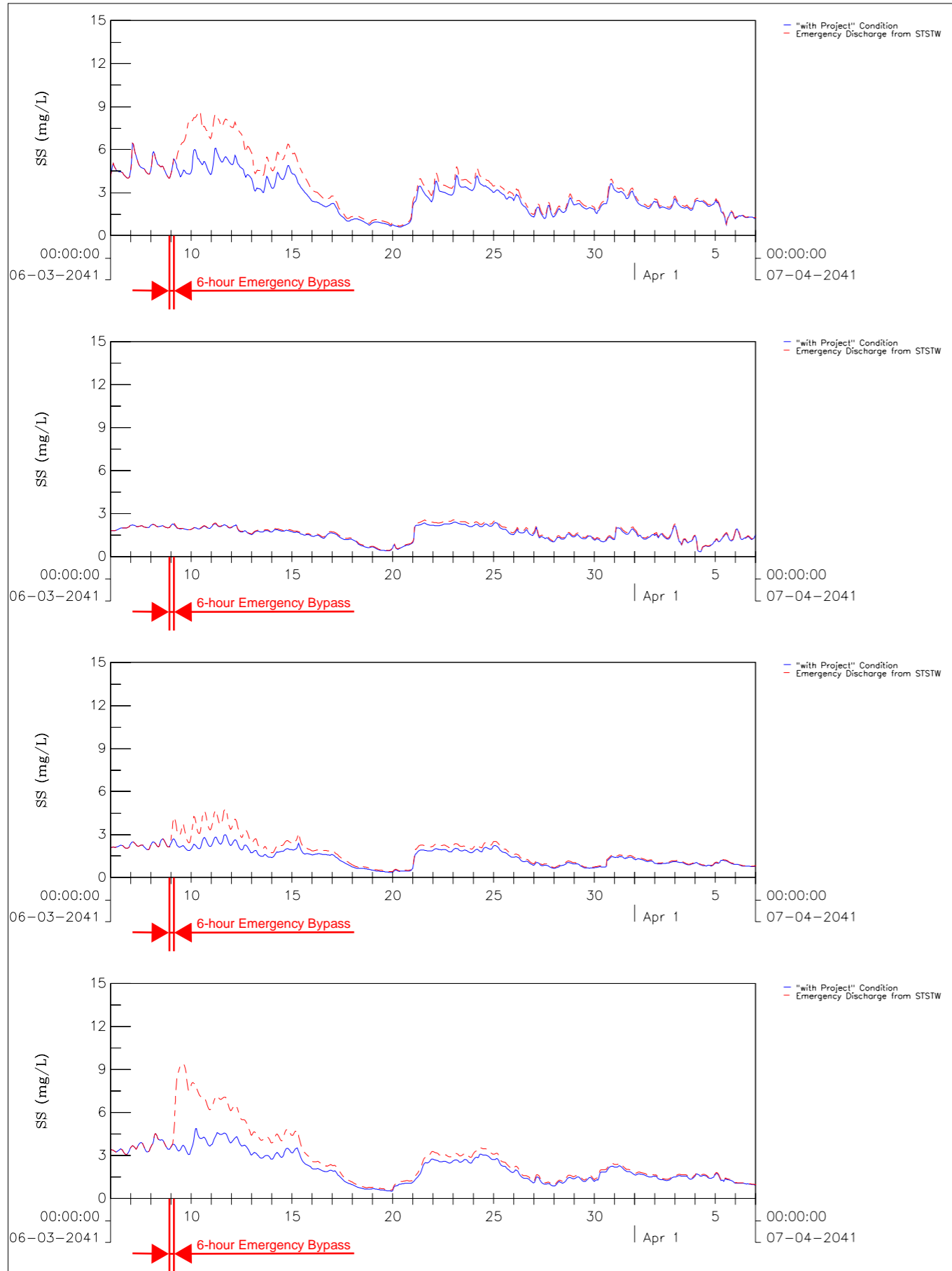
Timeseries Plot for Depth-Averaged Total Inorganic Nitrogen (Top: TM4; Upper: TM6; Lower: B1)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 12

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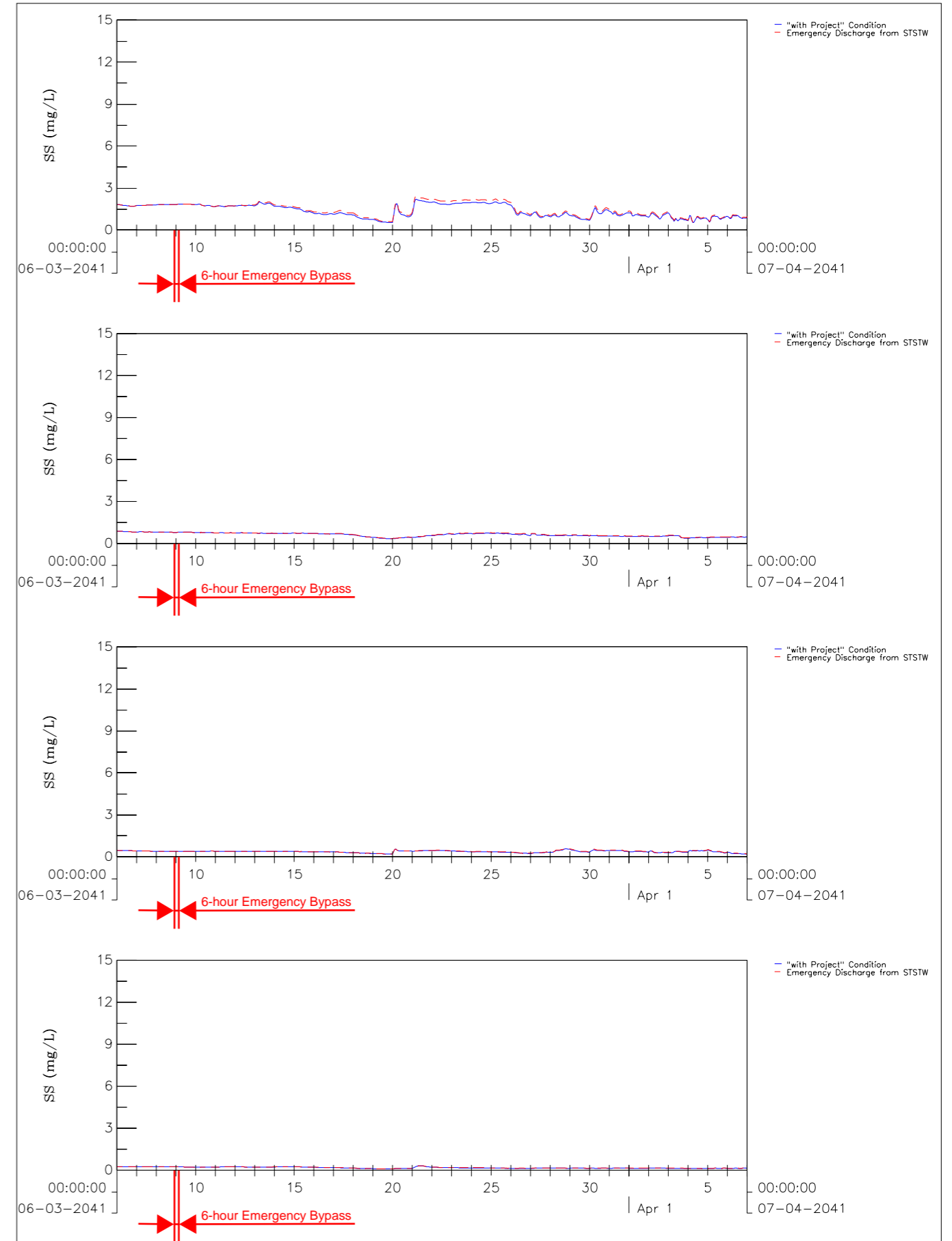
Timeseries Plot for Suspended Solids (Mid-Depth – Top: W1; Upper: W2; Depth-Averaged – Lower: CR16; Bottom: CR17)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 13

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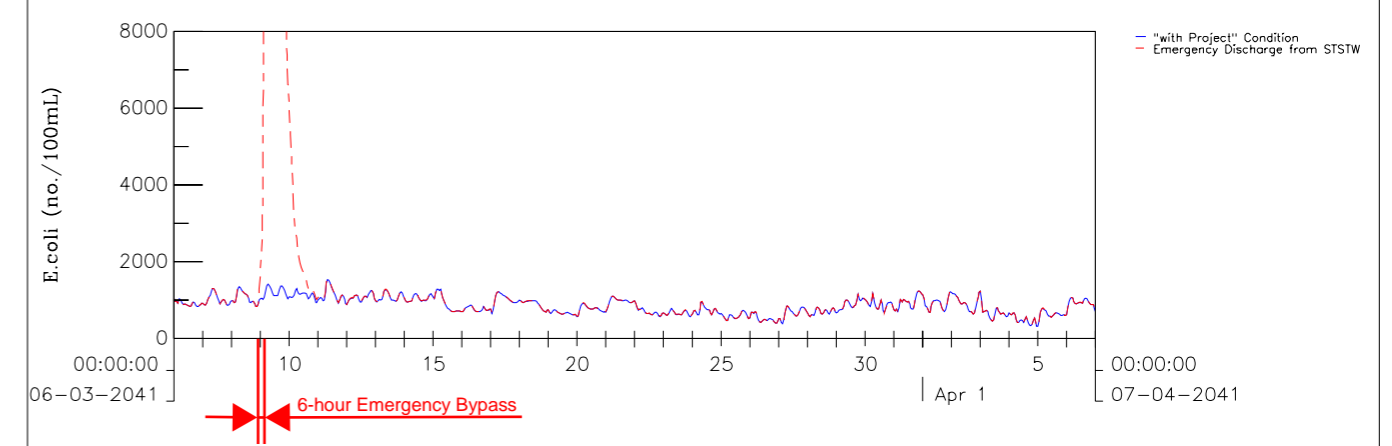
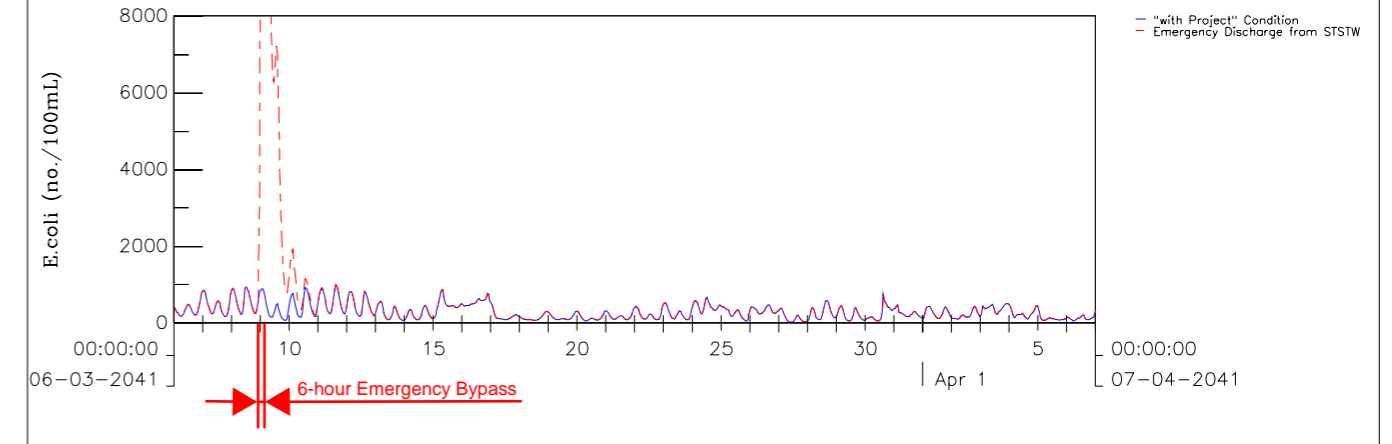
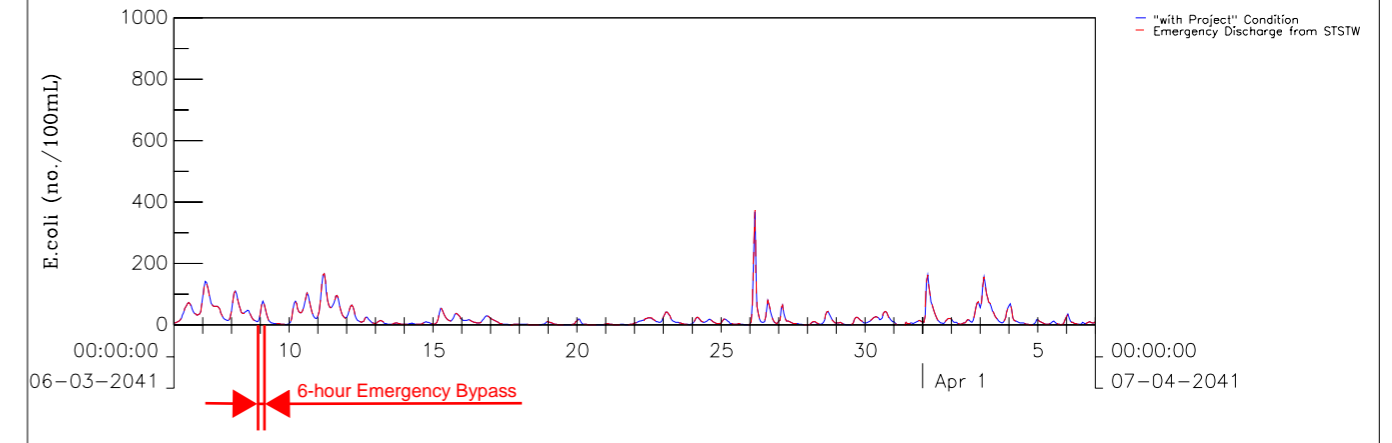
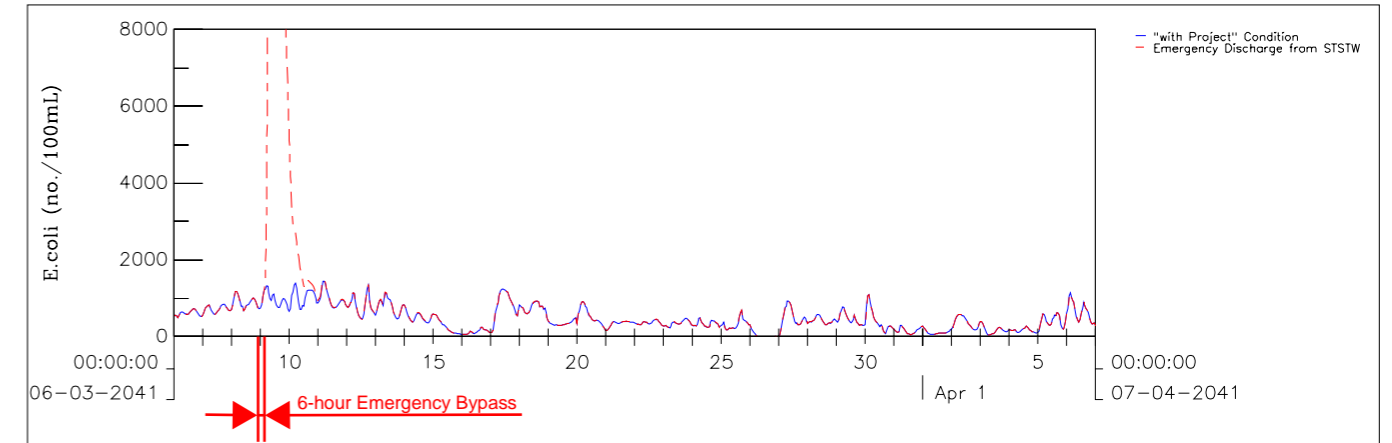
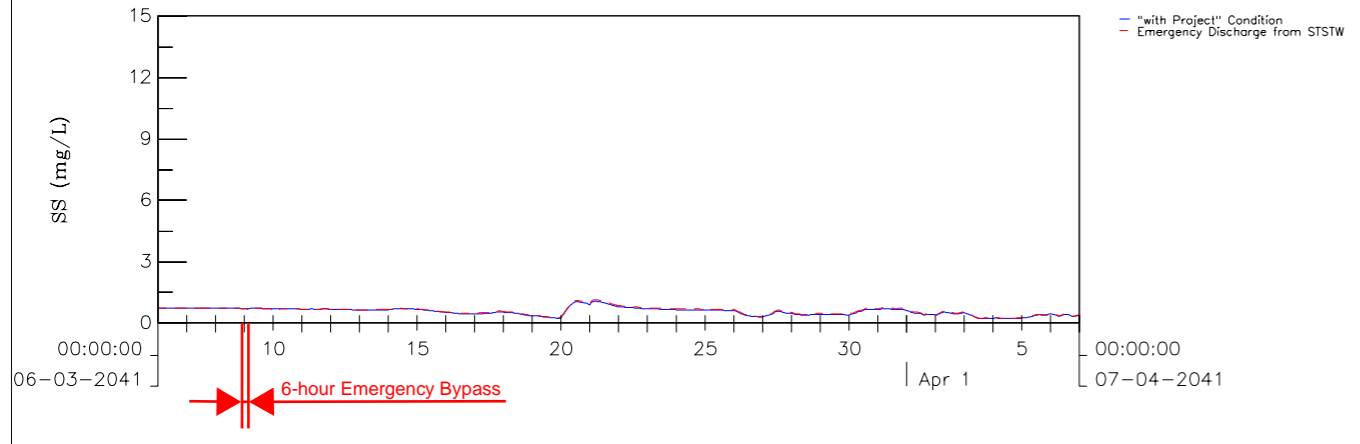
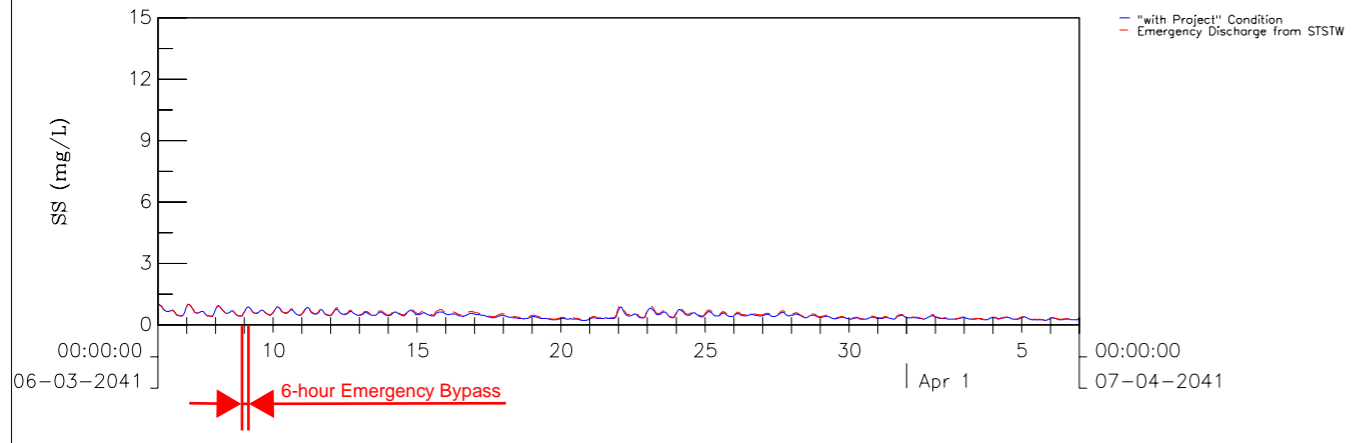
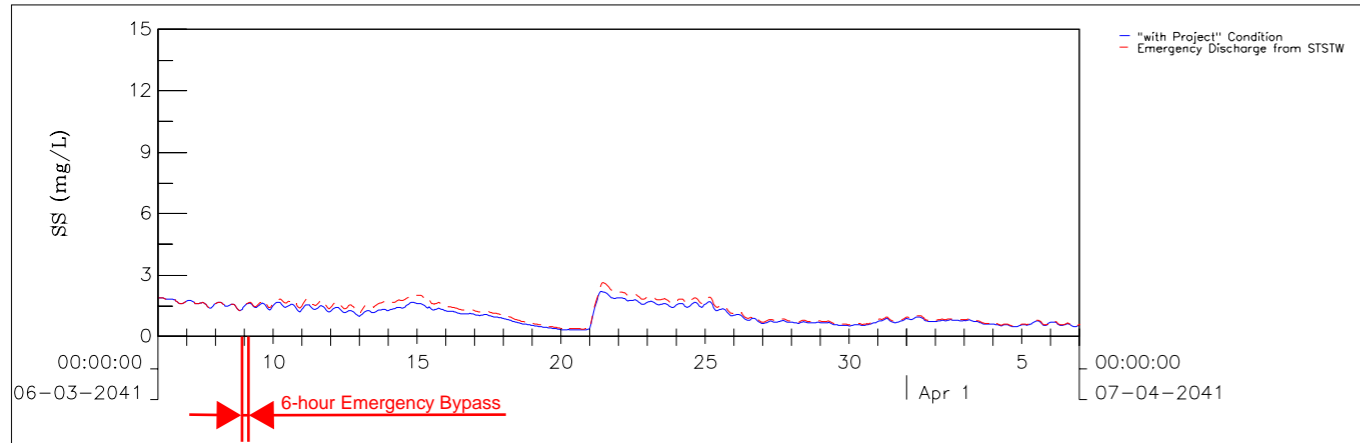
Timeseries Plot for Depth-Averaged Suspended Solids (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

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Figure 14

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Timeseries Plot for Depth-Averaged Suspended Solids (Top: TM4; Upper: TM6; Lower: B1)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 15

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Timeseries Plot for E.coli (Mid-Depth – Top: W1; Upper: W2; Depth-Averaged – Lower: CR16; Bottom: CR17)

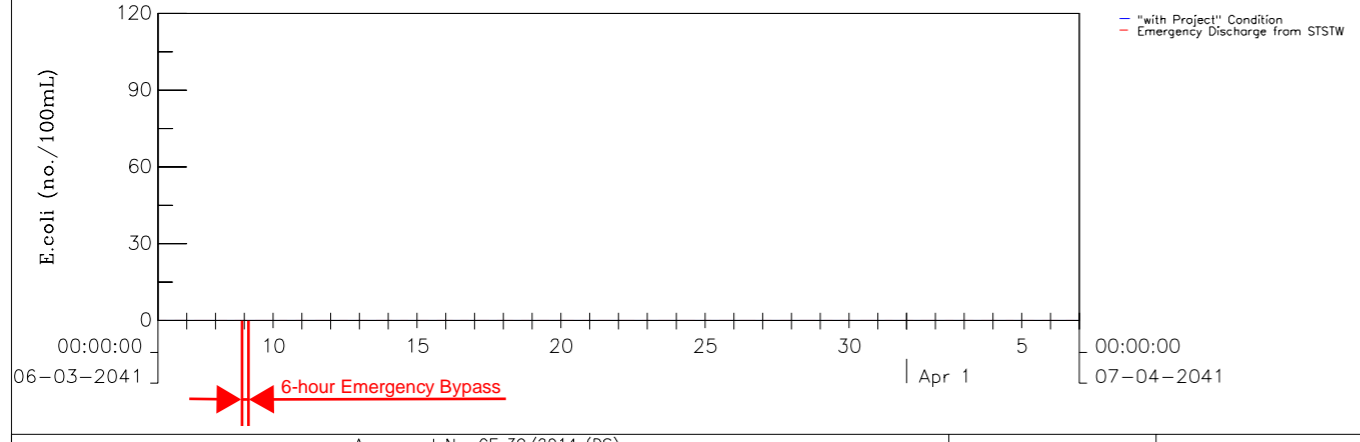
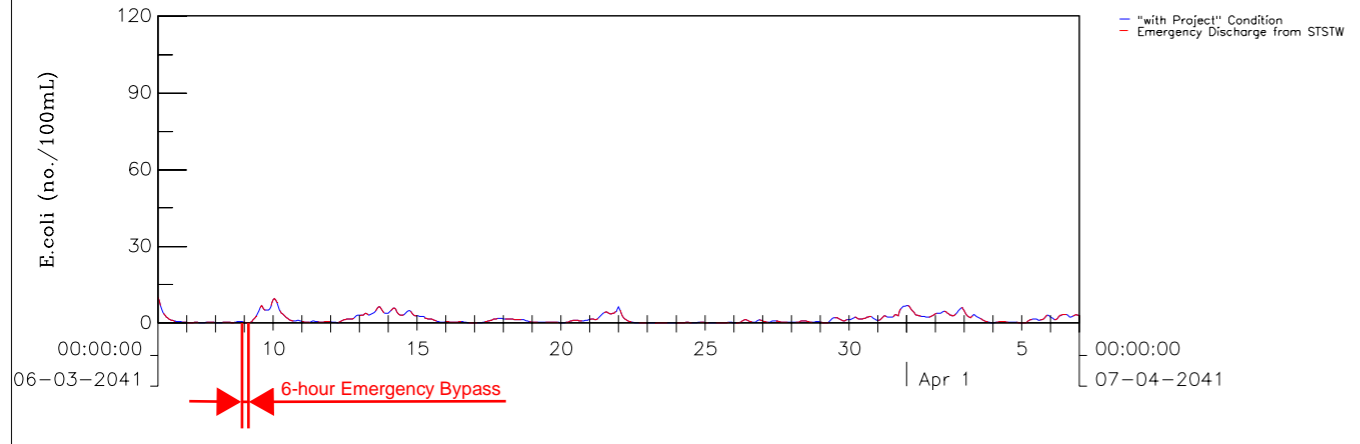
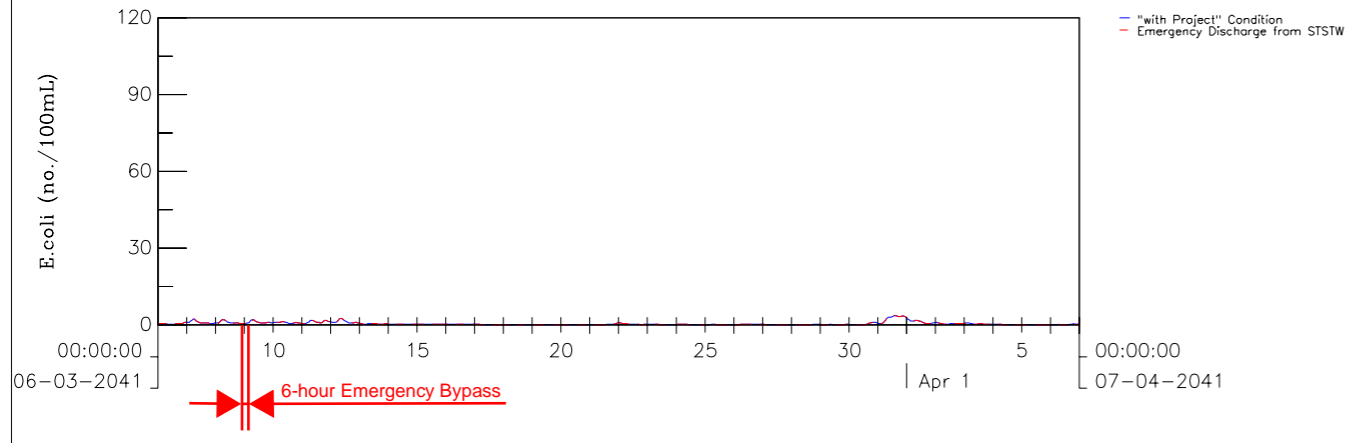
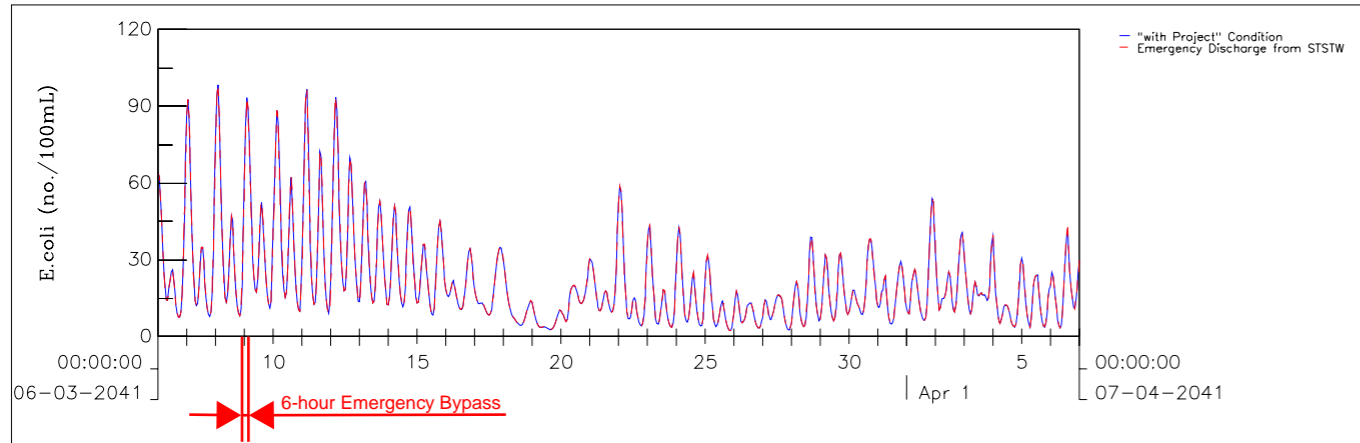
Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 16

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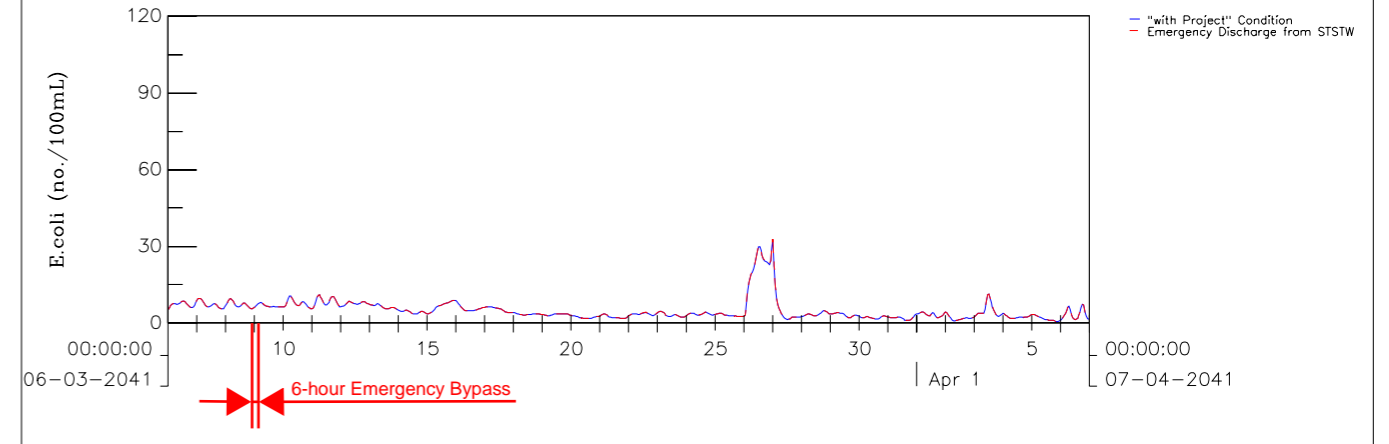
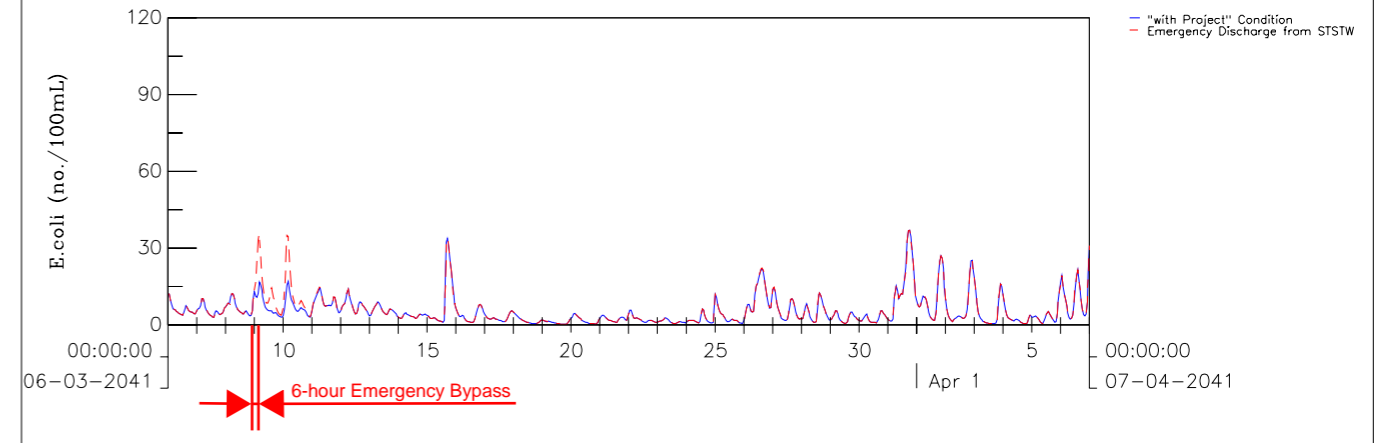
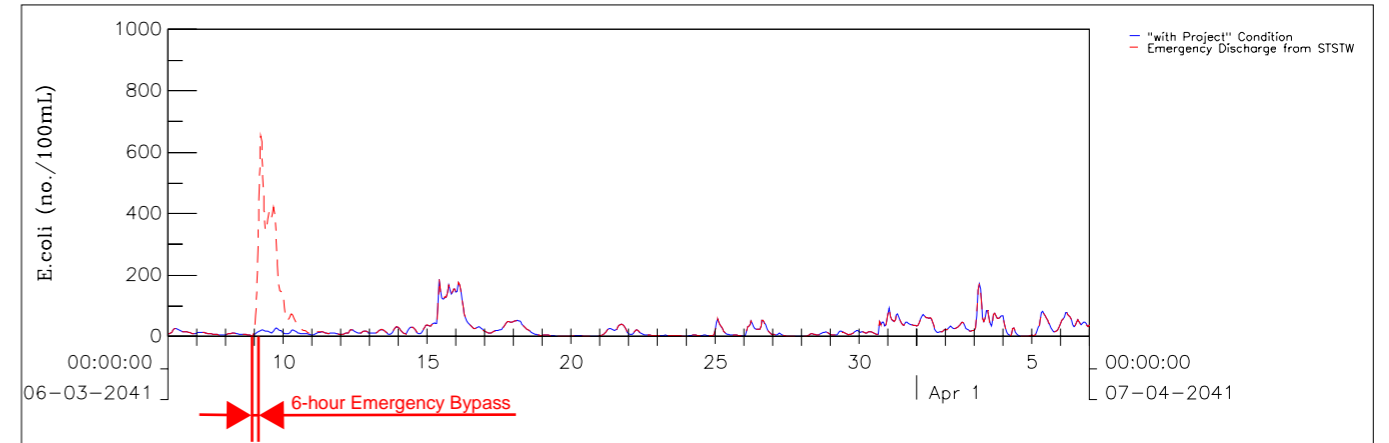
Timeseries Plot for Depth-Averaged E.coli (Top: F1; Upper: F2; Lower: F3; Bottom: F4)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 17

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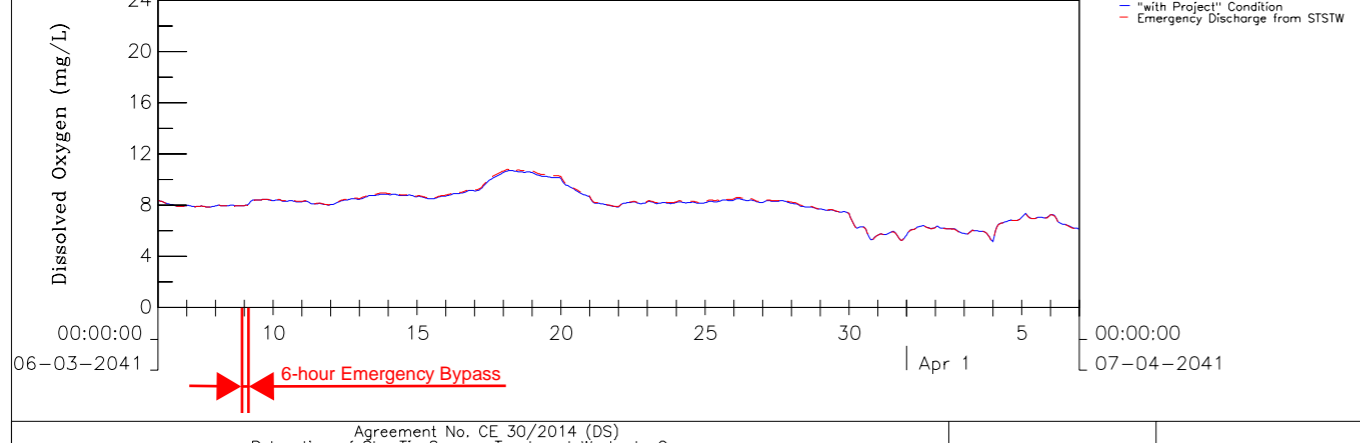
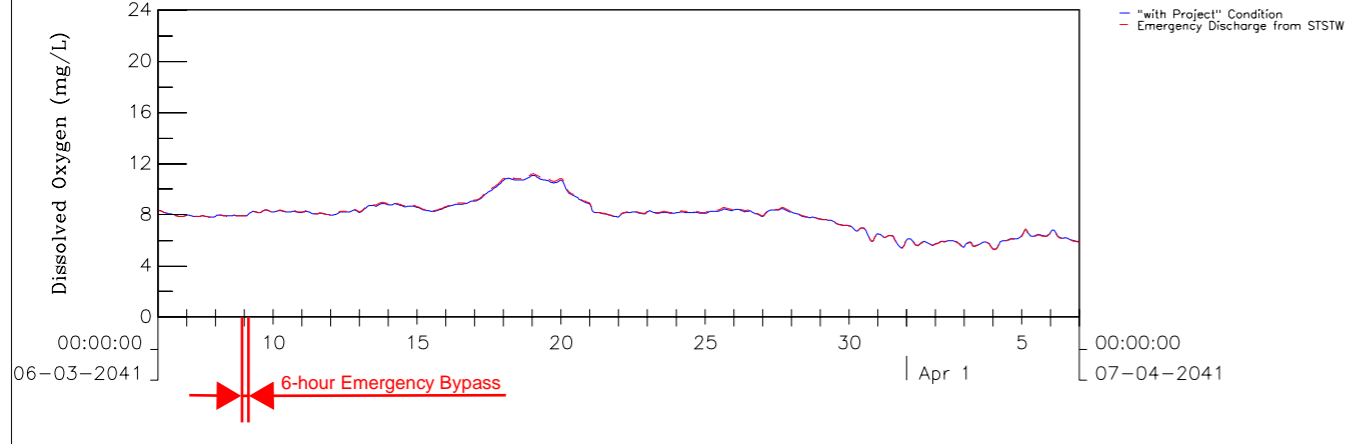
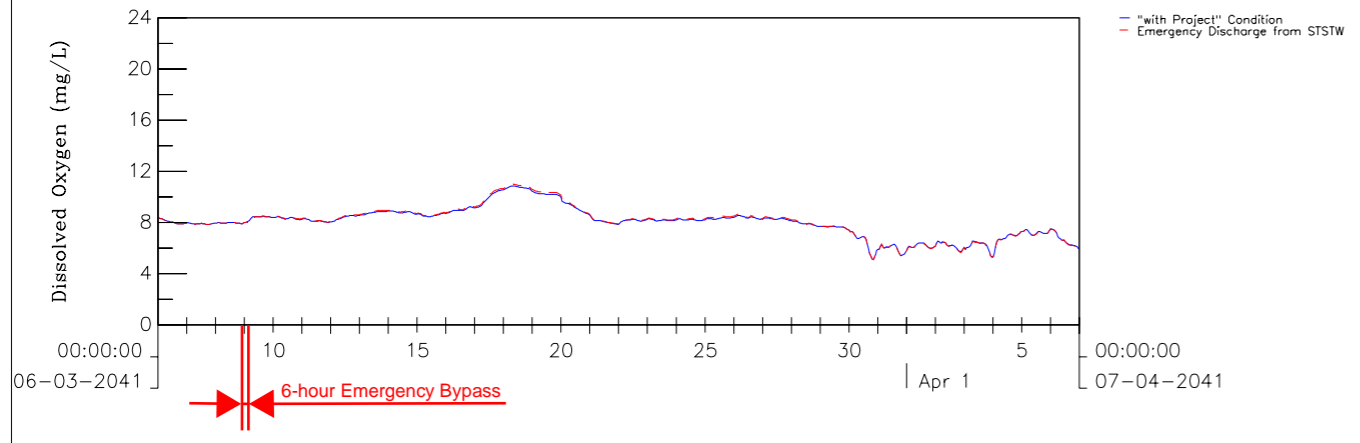
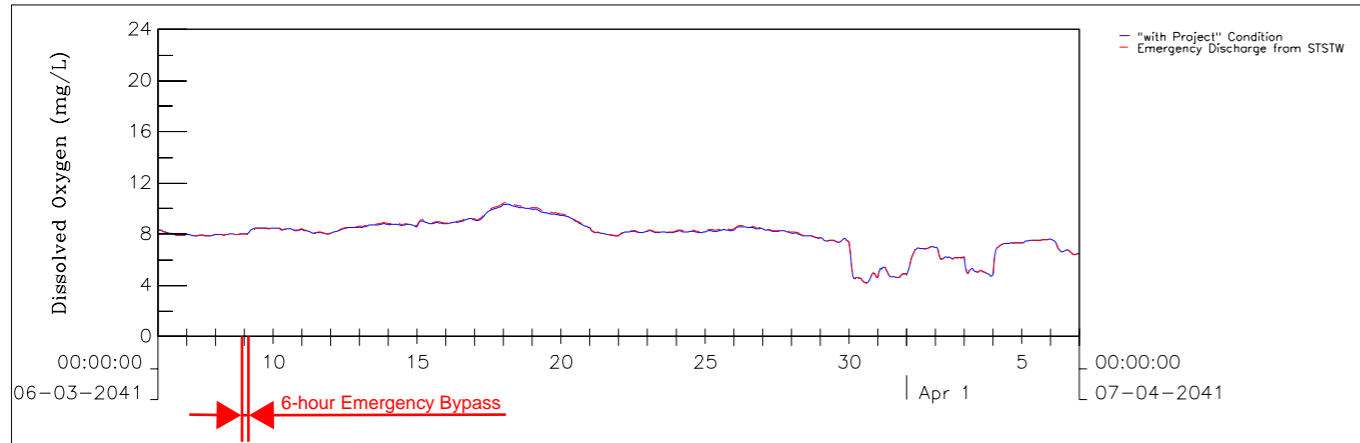
Timeseries Plot for Depth-Averaged E.coli (Top: TM4; Upper: TM6; Lower: B1)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)

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Figure 18

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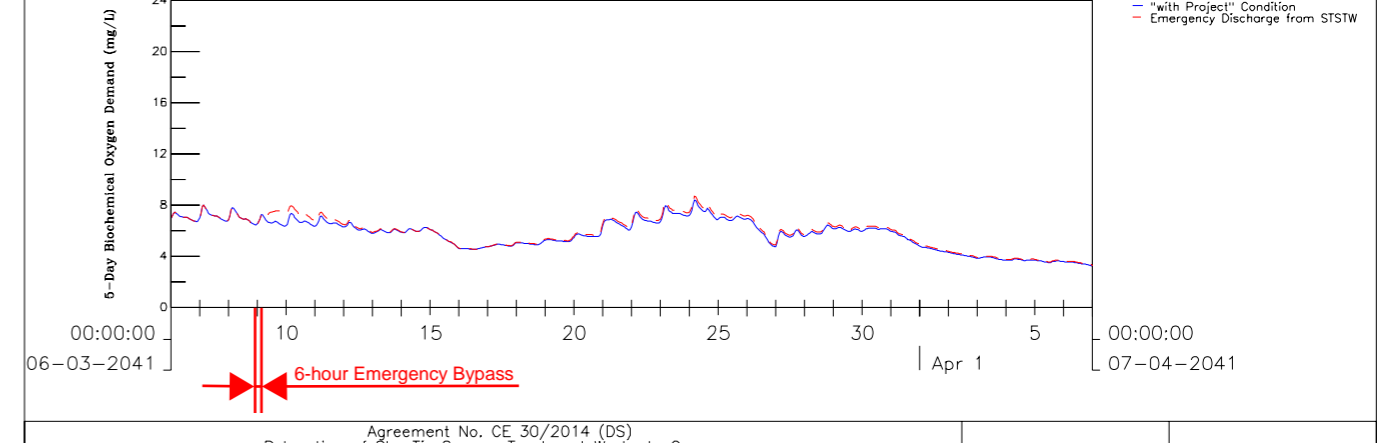
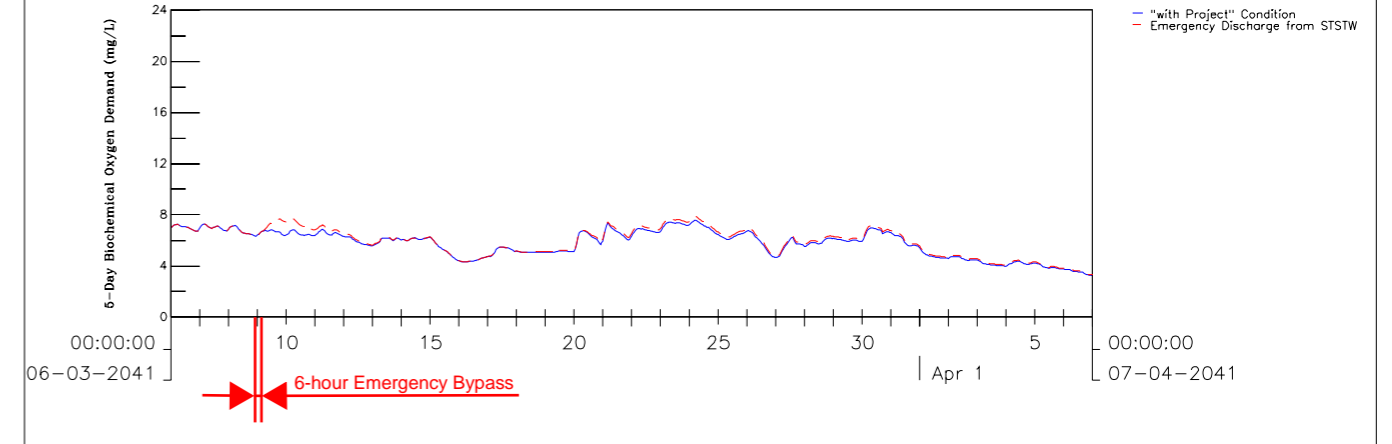
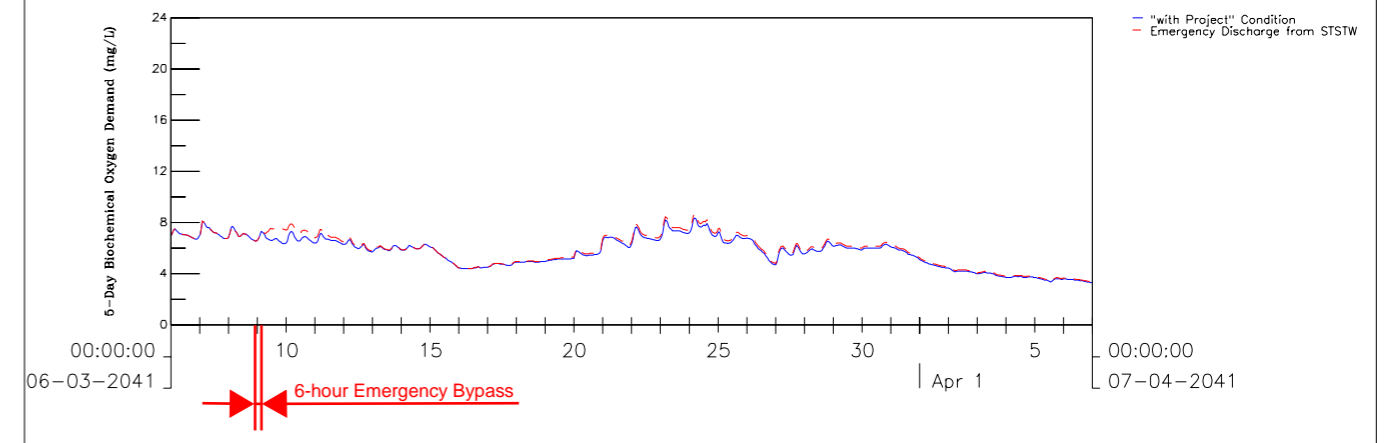
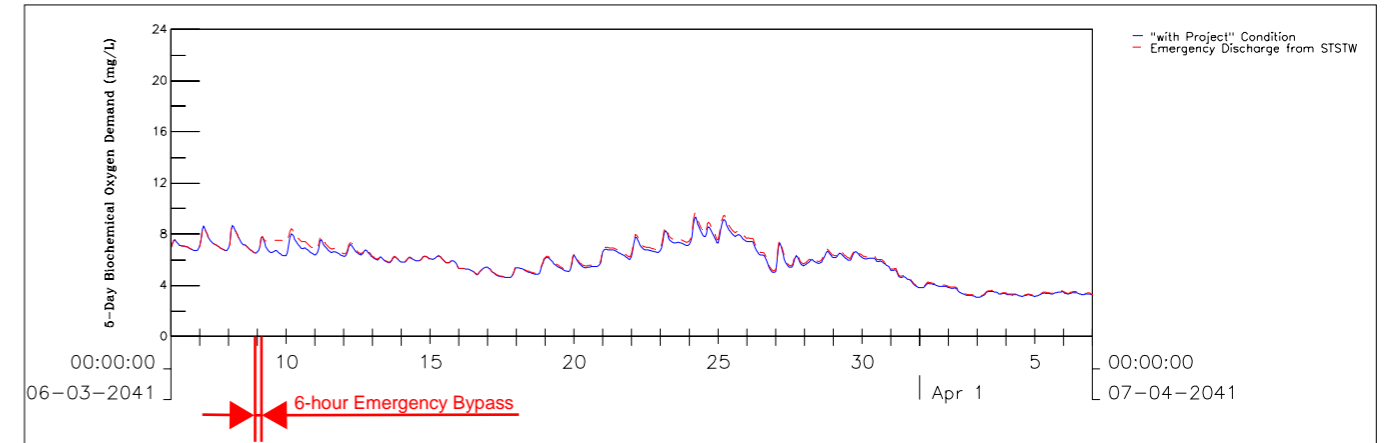
Timeseries Plot for Dissolved Oxygen at M1 (Top: Surface; Upper: Mid-Depth; Lower: Bottom; Bottom: Depth-Averaged)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

Annual

Figure 19

AECOM /GPP/ Tola-WQ-Scn5&7-SmE.ssn



Agreement No. CE 30/2014 (DS)  
Relocation of Sha Tin Sewage Treatment Works to Caverns:  
Caverns and Sewage Treatment Works – Investigation, Design and Construction

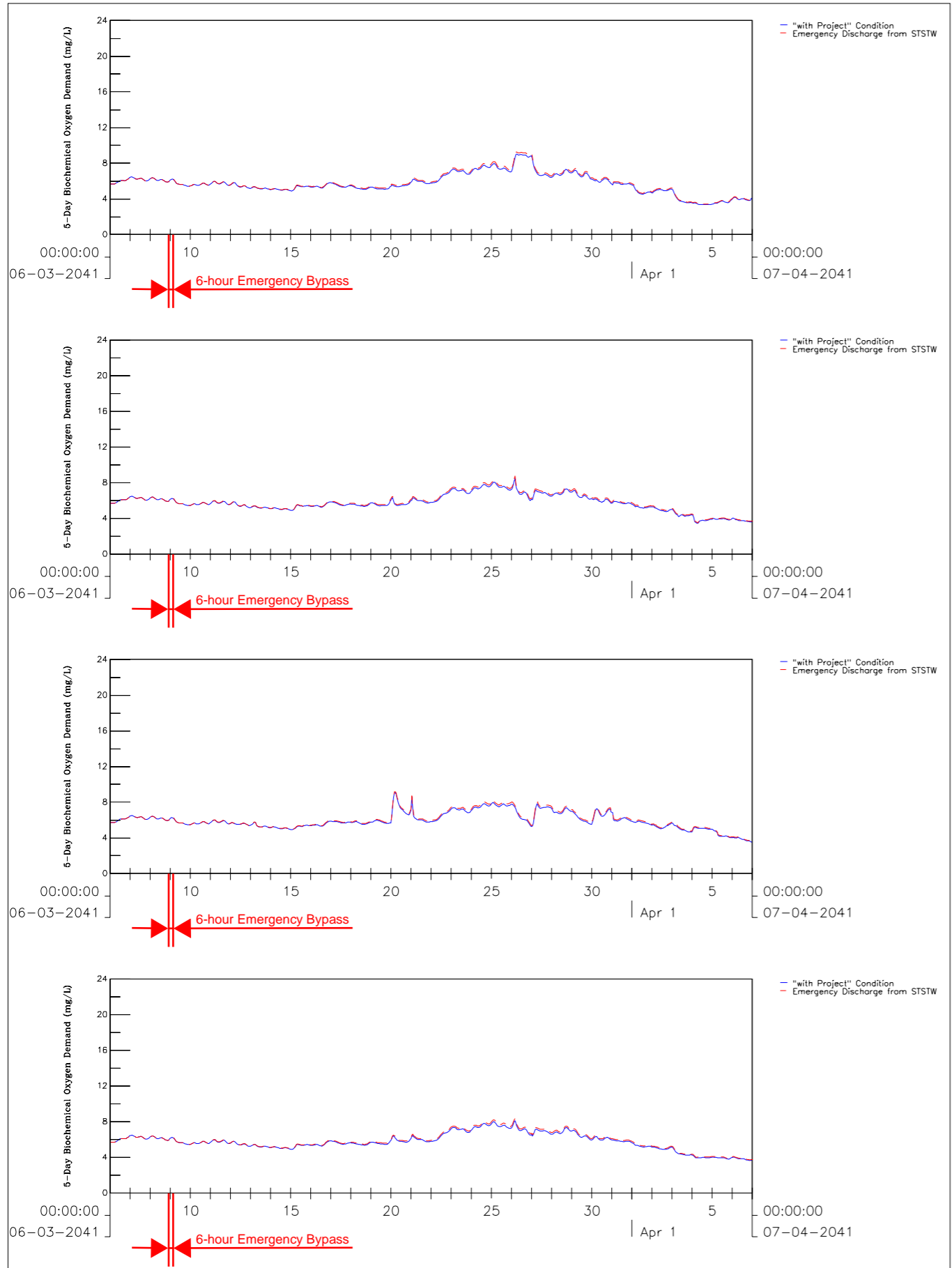
Timeseries Plot for 5-Day Biochemical Oxygen Demand at W1 (Top: Surface; Upper: Mid-Depth; Lower: Bottom; Bottom: Depth-Averaged)

Blue: "With Project" Condition (Scenario 5);  
Dashed Red: Emergency Sewage Discharge from Sha Tin STW; Scenario 7)

Annual

Figure 20

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Agreement No. CE 30/2014 (DS) Relocation of Sha Tin Sewage Treatment Works to Caverns: Caverns and Sewage Treatment Works – Investigation, Design and Construction		Annual
Timeseries Plot for 5-Day Biochemical Oxygen Demand at W2 (Top: Surface; Upper: Mid-Depth; Lower: Bottom; Bottom: Depth-Averaged)		Figure 21
Blue: "With Project" Condition (Scenario 5); Dashed Red: Emergency Sewage Discharge from Shatin STW; Scenario 7)		/GPP/
AECOM		Tola-WQ-Scn5&7-SmE.ssn