

Profile definitions:

- BV = Gaussian 1/e (37%) half-width, in vertical plane normal to trajectory
- BH = top-hat half-width, in horizontal plane normal to trajectory
- S = hydrodynamic centerline dilution
- C = centerline concentration (includes reaction effects, if any)

Uc = Local centerline excess velocity (above ambient)
TT = Cumulative travel time

X	Y	Z	S	C	BV	BH	Uc	TT
0.00	0.00	-18.22	1.0	0.280E+03	0.01	11.25	5.788	.00000E+00

END OF MOD201: DIFFUSER DISCHARGE MODULE

BEGIN MOD271: ACCELERATION ZONE OF UNIDIRECTIONAL CO-FLOWING DIFFUSER

In this laterally contracting zone the diffuser plume becomes VERTICALLY FULLY MIXED over the entire layer depth (HS = 20.11m).
Full mixing is achieved after a plume distance of about five layer depths from the diffuser.

Profile definitions:

BV = layer depth (vertically mixed)
BH = top-hat half-width, in horizontal plane normal to trajectory
S = hydrodynamic average (bulk) dilution
C = average (bulk) concentration (includes reaction effects, if any)
TT = Cumulative travel time

X	Y	Z	S	C	BV	BH	TT
0.00	0.00	-18.22	1.0	0.280E+03	0.01	11.25	.00000E+00
0.11	0.00	-18.21	4.9	0.575E+02	0.20	11.13	.90495E-01
0.22	0.00	-18.20	6.5	0.432E+02	0.40	11.01	.23743E+00
0.34	0.00	-18.19	7.7	0.363E+02	0.60	10.89	.41961E+00
0.45	0.00	-18.18	8.7	0.320E+02	0.80	10.78	.62954E+00
0.56	0.00	-18.17	9.7	0.290E+02	1.01	10.67	.86287E+00
0.68	0.00	-18.16	10.5	0.267E+02	1.21	10.56	.11167E+01
0.79	0.00	-18.15	11.2	0.249E+02	1.41	10.46	.13889E+01
0.90	0.00	-18.14	12.0	0.234E+02	1.61	10.36	.16779E+01
1.01	0.00	-18.13	12.6	0.222E+02	1.81	10.26	.19823E+01
1.12	0.00	-18.12	13.2	0.211E+02	2.01	10.16	.23010E+01
1.24	0.00	-18.11	13.8	0.202E+02	2.21	10.07	.26332E+01
1.35	0.00	-18.11	14.4	0.194E+02	2.41	9.98	.29780E+01
1.46	0.00	-18.10	15.0	0.187E+02	2.61	9.89	.33348E+01
1.57	0.00	-18.09	15.5	0.181E+02	2.82	9.81	.37030E+01
1.69	0.00	-18.08	16.0	0.175E+02	3.02	9.73	.40820E+01
1.80	0.00	-18.07	16.5	0.170E+02	3.22	9.65	.44713E+01
1.91	0.00	-18.06	17.0	0.165E+02	3.42	9.57	.48706E+01
2.02	0.00	-18.05	17.4	0.161E+02	3.62	9.49	.52795E+01
2.14	0.00	-18.04	17.9	0.157E+02	3.82	9.42	.56976E+01
2.25	0.00	-18.03	18.3	0.153E+02	4.02	9.35	.61245E+01
2.36	0.00	-18.02	18.7	0.149E+02	4.22	9.28	.65600E+01
2.47	0.00	-18.01	19.2	0.146E+02	4.43	9.21	.70039E+01
2.59	0.00	-18.01	19.6	0.143E+02	4.63	9.14	.74557E+01
2.70	0.00	-18.00	20.0	0.140E+02	4.83	9.08	.79154E+01
2.81	0.00	-17.99	20.4	0.138E+02	5.03	9.01	.83826E+01
2.92	0.00	-17.98	20.7	0.135E+02	5.23	8.95	.88572E+01
3.04	0.00	-17.97	21.1	0.133E+02	5.43	8.89	.93390E+01
3.15	0.00	-17.96	21.5	0.130E+02	5.63	8.83	.98278E+01
3.26	0.00	-17.95	21.9	0.128E+02	5.83	8.78	.10323E+02
3.37	0.00	-17.94	22.2	0.126E+02	6.03	8.72	.10826E+02
3.49	0.00	-17.93	22.6	0.124E+02	6.24	8.67	.11334E+02
3.60	0.00	-17.92	22.9	0.122E+02	6.44	8.61	.11850E+02
3.71	0.00	-17.91	23.2	0.120E+02	6.64	8.56	.12371E+02

** WATER QUALITY STANDARD OR CCC HAS BEEN FOUND **

The pollutant concentration in the plume falls below water quality standard or CCC value of 0.120E+02 in the current prediction interval.

This is the spatial extent of concentrations exceeding the water quality standard or CCC value.

3.82	0.00	-17.90	23.6	0.119E+02	6.84	8.51	.12898E+02
3.94	0.00	-17.90	23.9	0.117E+02	7.04	8.46	.13432E+02
4.05	0.00	-17.89	24.2	0.116E+02	7.24	8.41	.13971E+02
4.16	0.00	-17.88	24.6	0.114E+02	7.44	8.36	.14516E+02
4.27	0.00	-17.87	24.9	0.113E+02	7.64	8.32	.15066E+02
4.39	0.00	-17.86	25.2	0.111E+02	7.84	8.27	.15622E+02
4.50	0.00	-17.85	25.5	0.110E+02	8.05	8.23	.16183E+02
4.61	0.00	-17.84	25.8	0.109E+02	8.25	8.18	.16750E+02
4.72	0.00	-17.83	26.1	0.107E+02	8.45	8.14	.17322E+02
4.84	0.00	-17.82	26.4	0.106E+02	8.65	8.10	.17899E+02
4.95	0.00	-17.81	26.7	0.105E+02	8.85	8.06	.18481E+02
5.06	0.00	-17.80	27.0	0.104E+02	9.05	8.02	.19067E+02
5.18	0.00	-17.80	27.3	0.103E+02	9.25	7.98	.19659E+02
5.29	0.00	-17.79	27.5	0.102E+02	9.45	7.94	.20256E+02
5.40	0.00	-17.78	27.8	0.101E+02	9.66	7.90	.20857E+02
5.51	0.00	-17.77	28.1	0.996E+01	9.86	7.87	.21463E+02
5.63	0.00	-17.76	28.4	0.987E+01	10.06	7.83	.22073E+02
5.74	0.00	-17.75	28.7	0.977E+01	10.26	7.80	.22688E+02
5.85	0.00	-17.74	28.9	0.968E+01	10.46	7.76	.23307E+02
5.96	0.00	-17.73	29.2	0.959E+01	10.66	7.73	.23931E+02
6.08	0.00	-17.72	29.5	0.951E+01	10.86	7.70	.24559E+02
6.19	0.00	-17.71	29.7	0.942E+01	11.06	7.67	.25191E+02
6.30	0.00	-17.70	30.0	0.934E+01	11.26	7.64	.25827E+02
6.41	0.00	-17.69	30.2	0.926E+01	11.47	7.61	.26468E+02
6.53	0.00	-17.69	30.5	0.918E+01	11.67	7.58	.27112E+02
6.64	0.00	-17.68	30.7	0.911E+01	11.87	7.55	.27761E+02
6.75	0.00	-17.67	31.0	0.903E+01	12.07	7.53	.28413E+02

6.86	0.00	-17.66	31.2	0.896E+01	12.27	7.50	.29070E+02
6.98	0.00	-17.65	31.5	0.889E+01	12.47	7.48	.29730E+02
7.09	0.00	-17.64	31.7	0.882E+01	12.67	7.45	.30394E+02
7.20	0.00	-17.63	32.0	0.876E+01	12.87	7.43	.31062E+02
7.31	0.00	-17.62	32.2	0.869E+01	13.07	7.41	.31733E+02
7.43	0.00	-17.61	32.5	0.863E+01	13.28	7.38	.32409E+02
7.54	0.00	-17.60	32.7	0.856E+01	13.48	7.36	.33088E+02
7.65	0.00	-17.59	32.9	0.850E+01	13.68	7.34	.33770E+02
7.76	0.00	-17.59	33.2	0.844E+01	13.88	7.33	.34456E+02
7.88	0.00	-17.58	33.4	0.838E+01	14.08	7.31	.35146E+02
7.99	0.00	-17.57	33.6	0.833E+01	14.28	7.29	.35839E+02
8.10	0.00	-17.56	33.9	0.827E+01	14.48	7.27	.36535E+02
8.21	0.00	-17.55	34.1	0.822E+01	14.68	7.26	.37235E+02
8.33	0.00	-17.54	34.3	0.816E+01	14.89	7.24	.37938E+02
8.44	0.00	-17.53	34.5	0.811E+01	15.09	7.23	.38644E+02
8.55	0.00	-17.52	34.8	0.806E+01	15.29	7.22	.39354E+02
8.66	0.00	-17.51	35.0	0.801E+01	15.49	7.20	.40067E+02
8.78	0.00	-17.50	35.2	0.796E+01	15.69	7.19	.40784E+02
8.89	0.00	-17.49	35.4	0.791E+01	15.89	7.18	.41503E+02
9.00	0.00	-17.49	35.6	0.786E+01	16.09	7.17	.42226E+02
9.11	0.00	-17.48	35.8	0.781E+01	16.29	7.16	.42951E+02
9.23	0.00	-17.47	36.1	0.776E+01	16.49	7.15	.43680E+02
9.34	0.00	-17.46	36.3	0.772E+01	16.70	7.14	.44412E+02
9.45	0.00	-17.45	36.5	0.767E+01	16.90	7.13	.45147E+02
9.56	0.00	-17.44	36.7	0.763E+01	17.10	7.13	.45885E+02
9.68	0.00	-17.43	36.9	0.759E+01	17.30	7.12	.46626E+02
9.79	0.00	-17.42	37.1	0.754E+01	17.50	7.11	.47369E+02
9.90	0.00	-17.41	37.3	0.750E+01	17.70	7.11	.48116E+02
10.01	0.00	-17.40	37.5	0.746E+01	17.90	7.10	.48866E+02
10.13	0.00	-17.39	37.7	0.742E+01	18.10	7.10	.49618E+02
10.24	0.00	-17.38	37.9	0.738E+01	18.30	7.09	.50374E+02
10.35	0.00	-17.38	38.1	0.734E+01	18.51	7.09	.51132E+02
10.46	0.00	-17.37	38.3	0.730E+01	18.71	7.08	.51893E+02
10.58	0.00	-17.36	38.5	0.726E+01	18.91	7.08	.52656E+02
10.69	0.00	-17.35	38.7	0.723E+01	19.11	7.08	.53423E+02
10.80	0.00	-17.34	38.9	0.719E+01	19.31	7.08	.54192E+02
10.91	0.00	-17.33	39.1	0.715E+01	19.51	7.07	.54964E+02
11.03	0.00	-17.32	39.3	0.712E+01	19.71	7.07	.55738E+02
11.14	0.00	-17.31	39.5	0.708E+01	19.91	7.07	.56515E+02
11.25	0.00	-17.30	39.7	0.705E+01	20.12	7.07	.57295E+02

Cumulative travel time = 57.2951 sec (0.02 hrs)
 Plume centerline may exhibit slight discontinuities in transition
 to subsequent far-field module.

END OF MOD271: ACCELERATION ZONE OF UNIDIRECTIONAL CO-FLOWING DIFFUSER

BEGIN MOD251: DIFFUSER PLUME IN CO-FLOW

Phase 1: Vertically mixed, Phase 2: Re-stratified

Phase 2: The flow has RESTRATIFIED at the beginning of this zone.

Profile definitions:

BV = top-hat thickness, measured vertically
 BH = Gaussian 1/e (37%) half-width in horizontal plane normal to trajectory
 ZU = upper plume boundary (Z-coordinate)
 ZL = lower plume boundary (Z-coordinate)
 S = hydrodynamic centerline dilution
 C = centerline concentration (includes reaction effects, if any)
 TT = Cumulative travel time

X	Y	Z	S	C	BV	BH	TT
11.25	0.00	-20.11	39.7	0.705E+01	20.11	7.98	.57295E+02
13.53	0.00	-20.11	40.1	0.698E+01	12.33	13.22	.13982E+03
15.80	0.00	-20.11	40.5	0.691E+01	10.10	16.39	.22315E+03
18.08	0.00	-20.11	40.9	0.685E+01	8.80	19.11	.30728E+03
20.35	0.00	-20.11	41.3	0.678E+01	7.92	21.57	.39220E+03
22.63	0.00	-20.11	41.6	0.672E+01	7.26	23.87	.47790E+03
24.90	0.00	-20.11	42.0	0.666E+01	6.75	26.05	.56439E+03
27.18	0.00	-20.11	42.4	0.660E+01	6.34	28.13	.65164E+03
29.46	0.00	-20.11	42.8	0.655E+01	6.00	30.15	.73966E+03
31.73	0.00	-20.11	43.1	0.649E+01	5.71	32.11	.82844E+03
34.01	0.00	-20.11	43.5	0.644E+01	5.46	34.02	.91797E+03
36.28	0.00	-20.11	43.8	0.639E+01	5.25	35.88	.10082E+04
38.56	0.00	-20.11	44.2	0.633E+01	5.06	37.71	.10993E+04
40.83	0.00	-20.11	44.6	0.628E+01	4.89	39.51	.11910E+04
43.11	0.00	-20.11	44.9	0.624E+01	4.74	41.29	.12835E+04
45.39	0.00	-20.11	45.3	0.619E+01	4.61	43.04	.13767E+04
47.66	0.00	-20.11	45.6	0.614E+01	4.48	44.76	.14706E+04
49.94	0.00	-20.11	45.9	0.609E+01	4.37	46.47	.15652E+04
52.21	0.00	-20.11	46.3	0.605E+01	4.27	48.16	.16605E+04
54.49	0.00	-20.11	46.6	0.601E+01	4.17	49.84	.17565E+04
56.76	0.00	-20.11	47.0	0.596E+01	4.08	51.50	.18533E+04
59.04	0.00	-20.11	47.3	0.592E+01	4.00	53.15	.19507E+04
61.32	0.00	-20.11	47.6	0.588E+01	3.92	54.79	.20488E+04
63.59	0.00	-20.11	47.9	0.584E+01	3.85	56.41	.21475E+04
65.87	0.00	-20.11	48.3	0.580E+01	3.79	58.03	.22470E+04
68.14	0.00	-20.11	48.6	0.576E+01	3.72	59.64	.23471E+04

70.42	0.00	-20.11	48.9	0.572E+01	3.66	61.24	.24479E+04
72.69	0.00	-20.11	49.2	0.569E+01	3.61	62.83	.25493E+04
74.97	0.00	-20.11	49.5	0.565E+01	3.56	64.41	.26514E+04
77.25	0.00	-20.11	49.9	0.562E+01	3.51	65.99	.27542E+04
79.52	0.00	-20.11	50.2	0.558E+01	3.46	67.56	.28576E+04
81.80	0.00	-20.11	50.5	0.555E+01	3.41	69.13	.29617E+04
84.07	0.00	-20.11	50.8	0.551E+01	3.37	70.69	.30664E+04
86.35	0.00	-20.11	51.1	0.548E+01	3.33	72.24	.31717E+04
88.62	0.00	-20.11	51.4	0.545E+01	3.29	73.79	.32777E+04
90.90	0.00	-20.11	51.7	0.541E+01	3.25	75.34	.33843E+04
93.18	0.00	-20.11	52.0	0.538E+01	3.22	76.88	.34915E+04
95.45	0.00	-20.11	52.3	0.535E+01	3.18	78.42	.35993E+04
97.73	0.00	-20.11	52.6	0.532E+01	3.15	79.96	.37078E+04
100.00	0.00	-20.11	52.9	0.529E+01	3.12	81.49	.38169E+04
102.28	0.00	-20.11	53.2	0.526E+01	3.09	83.02	.39266E+04
104.55	0.00	-20.11	53.5	0.523E+01	3.06	84.54	.40369E+04
106.83	0.00	-20.11	53.8	0.521E+01	3.03	86.07	.41478E+04
109.10	0.00	-20.11	54.1	0.518E+01	3.00	87.59	.42593E+04
111.38	0.00	-20.11	54.4	0.515E+01	2.98	89.10	.43714E+04
113.66	0.00	-20.11	54.7	0.512E+01	2.95	90.62	.44841E+04
115.93	0.00	-20.11	54.9	0.510E+01	2.93	92.13	.45974E+04
118.21	0.00	-20.11	55.2	0.507E+01	2.90	93.65	.47113E+04
120.48	0.00	-20.11	55.5	0.504E+01	2.88	95.16	.48258E+04
122.76	0.00	-20.11	55.8	0.502E+01	2.86	96.67	.49408E+04
125.03	0.00	-20.11	56.1	0.499E+01	2.83	98.17	.50565E+04
127.31	0.00	-20.11	56.4	0.497E+01	2.81	99.68	.51727E+04
129.59	0.00	-20.11	56.6	0.494E+01	2.79	101.18	.52895E+04
131.86	0.00	-20.11	56.9	0.492E+01	2.77	102.69	.54068E+04
134.14	0.00	-20.11	57.2	0.490E+01	2.75	104.19	.55248E+04
136.41	0.00	-20.11	57.5	0.487E+01	2.73	105.69	.56433E+04
138.69	0.00	-20.11	57.7	0.485E+01	2.71	107.19	.57623E+04
140.96	0.00	-20.11	58.0	0.483E+01	2.70	108.69	.58819E+04
143.24	0.00	-20.11	58.3	0.481E+01	2.68	110.18	.60021E+04
145.52	0.00	-20.11	58.5	0.478E+01	2.66	111.68	.61229E+04
147.79	0.00	-20.11	58.8	0.476E+01	2.65	113.18	.62442E+04
150.07	0.00	-20.11	59.1	0.474E+01	2.63	114.67	.63660E+04
152.34	0.00	-20.11	59.3	0.472E+01	2.61	116.17	.64884E+04
154.62	0.00	-20.11	59.6	0.470E+01	2.60	117.66	.66113E+04
156.89	0.00	-20.11	59.9	0.468E+01	2.58	119.15	.67348E+04
159.17	0.00	-20.11	60.1	0.466E+01	2.57	120.65	.68588E+04
161.45	0.00	-20.11	60.4	0.464E+01	2.55	122.14	.69834E+04
163.72	0.00	-20.11	60.6	0.462E+01	2.54	123.63	.71085E+04
166.00	0.00	-20.11	60.9	0.460E+01	2.53	125.13	.72341E+04
168.27	0.00	-20.11	61.2	0.458E+01	2.51	126.62	.73603E+04
170.55	0.00	-20.11	61.4	0.456E+01	2.50	128.11	.74870E+04
172.82	0.00	-20.11	61.7	0.454E+01	2.49	129.60	.76142E+04
175.10	0.00	-20.11	61.9	0.452E+01	2.47	131.09	.77419E+04
177.38	0.00	-20.11	62.2	0.450E+01	2.46	132.58	.78702E+04
179.65	0.00	-20.11	62.4	0.449E+01	2.45	134.07	.79990E+04
181.93	0.00	-20.11	62.7	0.447E+01	2.44	135.56	.81283E+04
184.20	0.00	-20.11	62.9	0.445E+01	2.42	137.06	.82581E+04
186.48	0.00	-20.11	63.2	0.443E+01	2.41	138.55	.83884E+04
188.75	0.00	-20.11	63.4	0.442E+01	2.40	140.04	.85193E+04
191.03	0.00	-20.11	63.7	0.440E+01	2.39	141.53	.86506E+04
193.31	0.00	-20.11	63.9	0.438E+01	2.38	143.02	.87825E+04
195.58	0.00	-20.11	64.2	0.436E+01	2.37	144.51	.89149E+04
197.86	0.00	-20.11	64.4	0.435E+01	2.36	146.00	.90478E+04
200.13	0.00	-20.11	64.6	0.433E+01	2.35	147.49	.91812E+04
202.41	0.00	-20.11	64.9	0.432E+01	2.34	148.98	.93150E+04
204.68	0.00	-20.11	65.1	0.430E+01	2.33	150.48	.94494E+04
206.96	0.00	-20.11	65.4	0.428E+01	2.32	151.97	.95843E+04
209.24	0.00	-20.11	65.6	0.427E+01	2.31	153.46	.97197E+04
211.51	0.00	-20.11	65.8	0.425E+01	2.30	154.95	.98556E+04
213.79	0.00	-20.11	66.1	0.424E+01	2.29	156.44	.99919E+04
216.06	0.00	-20.11	66.3	0.422E+01	2.28	157.94	.10129E+05
218.34	0.00	-20.11	66.6	0.421E+01	2.27	159.43	.10266E+05
220.61	0.00	-20.11	66.8	0.419E+01	2.26	160.92	.10404E+05
222.89	0.00	-20.11	67.0	0.418E+01	2.25	162.42	.10542E+05
225.17	0.00	-20.11	67.3	0.416E+01	2.24	163.91	.10681E+05
227.44	0.00	-20.11	67.5	0.415E+01	2.23	165.40	.10820E+05
229.72	0.00	-20.11	67.7	0.413E+01	2.22	166.90	.10960E+05
231.99	0.00	-20.11	68.0	0.412E+01	2.22	168.39	.11100E+05
234.27	0.00	-20.11	68.2	0.411E+01	2.21	169.89	.11241E+05
236.54	0.00	-20.11	68.4	0.409E+01	2.20	171.39	.11382E+05
238.82	0.00	-20.11	68.6	0.408E+01	2.19	172.88	.11524E+05

Cumulative travel time = 11523.9072 sec (3.20 hrs)

END OF MOD251: DIFFUSER PLUME IN CO-FLOW

 ** End of NEAR-FIELD REGION (NFR) **

BEGIN MOD310: BOTTOM DENSITY CURRENT

Profile definitions:

BV = top-hat thickness, measured vertically
 BH = top-hat half-width, measured horizontally in Y-direction
 ZU = upper plume boundary (Z-coordinate)
 ZL = lower plume boundary (Z-coordinate)
 S = hydrodynamic average (bulk) dilution
 C = average (bulk) concentration (includes reaction effects, if any)

TT = Cumulative travel time

X	Y	Z	S	C	BV	BH	ZU	ZL	TT
238.82	0.00	-20.11	68.6	0.408E+01	2.19	172.88	-17.92	-20.11	.11524E+05
248.74	-0.26	-20.12	70.4	0.398E+01	2.03	193.80	-18.09	-20.12	.11636E+05
258.28	-0.50	-20.13	71.8	0.390E+01	1.90	212.75	-18.23	-20.13	.11744E+05
267.82	-0.74	-20.13	73.1	0.383E+01	1.80	230.72	-18.34	-20.13	.11853E+05
277.55	-0.99	-20.14	74.3	0.377E+01	1.71	248.20	-18.43	-20.14	.11966E+05
287.08	-1.23	-20.15	75.3	0.372E+01	1.64	264.59	-18.51	-20.15	.12077E+05
296.62	-1.46	-20.15	76.3	0.367E+01	1.57	280.32	-18.58	-20.15	.12188E+05
306.35	-1.70	-20.16	77.2	0.363E+01	1.52	295.77	-18.64	-20.16	.12302E+05
315.88	-1.94	-20.17	78.0	0.359E+01	1.47	310.37	-18.70	-20.17	.12415E+05
325.42	-2.17	-20.17	78.8	0.355E+01	1.42	324.49	-18.75	-20.17	.12528E+05
334.95	-2.40	-20.18	79.5	0.352E+01	1.38	338.18	-18.80	-20.18	.12641E+05
344.68	-2.63	-20.18	80.2	0.349E+01	1.35	351.72	-18.84	-20.18	.12757E+05
354.22	-2.86	-20.19	80.9	0.346E+01	1.31	364.61	-18.88	-20.19	.12872E+05
363.76	-3.09	-20.20	81.5	0.343E+01	1.28	377.16	-18.91	-20.20	.12986E+05
373.49	-3.32	-20.20	82.1	0.341E+01	1.26	389.63	-18.95	-20.20	.13104E+05
383.02	-3.54	-20.21	82.7	0.339E+01	1.23	401.55	-18.98	-20.21	.13219E+05
392.56	-3.76	-20.21	83.3	0.336E+01	1.21	413.19	-19.01	-20.21	.13334E+05
402.29	-3.99	-20.22	83.8	0.334E+01	1.18	424.80	-19.04	-20.22	.13453E+05
411.82	-4.21	-20.23	84.3	0.332E+01	1.16	435.92	-19.06	-20.23	.13569E+05
421.36	-4.44	-20.23	84.8	0.330E+01	1.14	446.81	-19.09	-20.23	.13685E+05
430.90	-4.66	-20.24	85.2	0.328E+01	1.13	457.48	-19.11	-20.24	.13802E+05
440.63	-4.88	-20.24	85.7	0.327E+01	1.11	468.15	-19.13	-20.24	.13921E+05
450.16	-5.10	-20.25	86.1	0.325E+01	1.09	478.41	-19.16	-20.25	.14039E+05
459.70	-5.32	-20.25	86.6	0.323E+01	1.08	488.49	-19.18	-20.25	.14156E+05
469.43	-5.54	-20.26	87.0	0.322E+01	1.06	498.58	-19.20	-20.26	.14276E+05
478.97	-5.76	-20.27	87.4	0.320E+01	1.05	508.31	-19.22	-20.27	.14394E+05
488.50	-5.98	-20.27	87.8	0.319E+01	1.04	517.87	-19.24	-20.27	.14512E+05
498.23	-6.20	-20.28	88.2	0.318E+01	1.02	527.46	-19.25	-20.28	.14632E+05
** REGULATORY MIXING ZONE BOUNDARY **									
In this prediction interval the plume DOWNSTREAM distance meets or exceeds									
the regulatory value = 500.00 m.									
This is the extent of the REGULATORY MIXING ZONE.									
507.77	-6.41	-20.28	88.5	0.316E+01	1.01	536.72	-19.27	-20.28	.14751E+05
517.31	-6.63	-20.29	88.9	0.315E+01	1.00	545.83	-19.29	-20.29	.14869E+05
526.84	-6.84	-20.29	89.2	0.314E+01	0.99	554.81	-19.30	-20.29	.14988E+05
536.57	-7.06	-20.30	89.6	0.312E+01	0.98	563.84	-19.32	-20.30	.15110E+05
546.11	-7.27	-20.31	89.9	0.311E+01	0.97	572.57	-19.34	-20.31	.15229E+05
555.64	-7.49	-20.31	90.3	0.310E+01	0.96	581.17	-19.35	-20.31	.15348E+05
565.38	-7.70	-20.32	90.6	0.309E+01	0.95	589.83	-19.37	-20.32	.15470E+05
574.91	-7.92	-20.32	90.9	0.308E+01	0.94	598.20	-19.38	-20.32	.15590E+05
584.45	-8.13	-20.33	91.2	0.307E+01	0.93	606.47	-19.40	-20.33	.15709E+05
594.18	-8.34	-20.33	91.5	0.306E+01	0.92	614.80	-19.41	-20.33	.15832E+05
603.71	-8.56	-20.34	91.8	0.305E+01	0.92	622.86	-19.42	-20.34	.15952E+05
613.25	-8.77	-20.34	92.1	0.304E+01	0.91	630.82	-19.44	-20.34	.16072E+05
622.79	-8.98	-20.35	92.4	0.303E+01	0.90	638.70	-19.45	-20.35	.16192E+05
632.52	-9.19	-20.36	92.7	0.302E+01	0.89	646.64	-19.46	-20.36	.16315E+05
642.05	-9.40	-20.36	93.0	0.301E+01	0.89	654.33	-19.47	-20.36	.16436E+05
651.59	-9.61	-20.37	93.3	0.300E+01	0.88	661.94	-19.49	-20.37	.16557E+05
661.32	-9.82	-20.37	93.5	0.299E+01	0.87	669.62	-19.50	-20.37	.16680E+05
670.86	-10.03	-20.38	93.8	0.299E+01	0.87	677.07	-19.51	-20.38	.16801E+05
680.39	-10.24	-20.38	94.1	0.298E+01	0.86	684.44	-19.52	-20.38	.16922E+05
690.13	-10.45	-20.39	94.3	0.297E+01	0.86	691.88	-19.53	-20.39	.17046E+05
699.66	-10.66	-20.39	94.6	0.296E+01	0.85	699.10	-19.54	-20.39	.17168E+05
709.20	-10.86	-20.40	94.8	0.295E+01	0.84	706.25	-19.56	-20.40	.17289E+05
718.73	-11.07	-20.40	95.1	0.295E+01	0.84	713.33	-19.57	-20.40	.17411E+05
728.46	-11.28	-20.41	95.3	0.294E+01	0.83	720.49	-19.58	-20.41	.17535E+05
738.00	-11.48	-20.42	95.6	0.293E+01	0.83	727.44	-19.59	-20.42	.17657E+05
747.54	-11.69	-20.42	95.8	0.292E+01	0.82	734.32	-19.60	-20.42	.17779E+05
757.27	-11.90	-20.43	96.0	0.292E+01	0.82	741.28	-19.61	-20.43	.17903E+05
766.80	-12.10	-20.43	96.3	0.291E+01	0.81	748.05	-19.62	-20.43	.18026E+05
776.34	-12.31	-20.44	96.5	0.290E+01	0.81	754.75	-19.63	-20.44	.18148E+05
786.07	-12.52	-20.44	96.7	0.289E+01	0.80	761.53	-19.64	-20.44	.18273E+05
795.61	-12.72	-20.45	97.0	0.289E+01	0.80	768.12	-19.65	-20.45	.18395E+05
805.15	-12.92	-20.45	97.2	0.288E+01	0.80	774.66	-19.66	-20.45	.18518E+05
814.68	-13.13	-20.46	97.4	0.287E+01	0.79	781.14	-19.67	-20.46	.18640E+05
824.41	-13.34	-20.46	97.6	0.287E+01	0.79	787.71	-19.68	-20.46	.18766E+05
833.95	-13.54	-20.47	97.8	0.286E+01	0.78	794.08	-19.69	-20.47	.18889E+05
843.49	-13.74	-20.47	98.0	0.286E+01	0.78	800.42	-19.70	-20.47	.19012E+05
853.22	-13.95	-20.48	98.3	0.285E+01	0.78	806.82	-19.70	-20.48	.19137E+05
862.75	-14.15	-20.49	98.5	0.284E+01	0.77	813.06	-19.71	-20.49	.19260E+05
872.29	-14.35	-20.49	98.7	0.284E+01	0.77	819.25	-19.72	-20.49	.19384E+05
882.02	-14.56	-20.50	98.9	0.283E+01	0.76	825.51	-19.73	-20.50	.19510E+05
891.56	-14.76	-20.50	99.1	0.283E+01	0.76	831.61	-19.74	-20.50	.19633E+05
901.09	-14.96	-20.51	99.3	0.282E+01	0.76	837.66	-19.75	-20.51	.19757E+05
910.63	-15.16	-20.51	99.5	0.281E+01	0.75	843.68	-19.76	-20.51	.19880E+05
920.36	-15.36	-20.52	99.7	0.281E+01	0.75	849.77	-19.77	-20.52	.20006E+05
929.90	-15.56	-20.52	99.9	0.280E+01	0.75	855.70	-19.77	-20.52	.20130E+05
939.43	-15.76	-20.53	100.1	0.280E+01	0.74	861.58	-19.78	-20.53	.20254E+05
949.16	-15.97	-20.53	100.3	0.279E+01	0.74	867.55	-19.79	-20.53	.20381E+05
958.70	-16.17	-20.54	100.5	0.279E+01	0.74	873.36	-19.80	-20.54	.20505E+05
968.24	-16.37	-20.54	100.7	0.278E+01	0.74	879.14	-19.81	-20.54	.20629E+05
977.97	-16.57	-20.55	100.8	0.278E+01	0.73	884.99	-19.82	-20.55	.20756E+05
987.51	-16.77	-20.55	101.0	0.277E+01	0.73	890.69	-19.82	-20.55	.20880E+05
997.04	-16.97	-20.56	101.2	0.277E+01	0.73	896.35	-19.83	-20.56	.21004E+05
1006.58	-17.16	-20.56	101.4	0.276E+01	0.72	901.98	-19.84	-20.56	.21129E+05
1016.31	-17.37	-20.57	101.6	0.276E+01	0.72	907.69	-19.85	-20.57	.21256E+05
1025.85	-17.56	-20.57	101.8	0.275E+01	0.72	913.25	-19.86	-20.57	.21380E+05

END OF MOD310: BOTTOM DENSITY CURRENT

[illegible]