

**2012**

**City of Daphne  
Annual Report**

**MCM 3**

**Illicit Discharge  
Detection & Elimination**

**City of Daphne Phase II MS4  
MCM 3 Illicit Discharge Detection Elimination Permit Cycle Compliance Report**

3.3	Illicit Discharge Detection and Elimination Strategy	Goal	2012	2012	2013	2013	2014	2014	2015	2015	2016	2016
			Proposed	Achieved								
3.3.1A	Compiling and Organizing Existing City Stormwater Infrastructure Data	Locate all existing stormwater mapping data and update current stormwater map	✓	✓	✓		✓		✓		✓	
3.3.1B	Compiling and Organizing Existing City Stormwater Infrastructure Data	In years 2 and 3 initiate the creation and maintenance of a stormwater outfall database to track inventory and inspections	*	*	✓		✓		✓		✓	
3.3.1C	Compiling and Organizing Existing City Stormwater Infrastructure Data	Finalize database and initiate stormwater outfall inspection, once during permit year	*	*	*	*	*	*	*	*	✓	
3.3.2	Review and update the City's existing New Development IDDE	Review the City's Commercial IDDE Ordinance and update when needed	✓	✓	✓		✓		✓		✓	
3.3.3A	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Gather sample IDDE Ordinances	✓	✓	*	*	*	*	*	*	*	*
3.3.3B	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Meet with Affected Departments	✓	✓	*	*	*	*	*	*	*	*
3.3.3C	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Draft the sample ordinance as needed by the City	✓	✓	*	*	*	*	*	*	*	*
3.3.3D	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Submit draft ordinance to City attorney, and City Departments for review, review comments and prepare for City Council Public Hearing and Adoption	✓	✓	*	*	*	*	*	*	*	*
3.3.3E	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Adopt IDDE Ordinance and implement	*	*	✓		✓		✓		✓	
3.3.3F	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	Create or Modify Existing Database to track IDDE and update as needed	*	*	*	*	*	*	✓		✓	
3.3.4A	Perform Field Assessments and site inspections	Designate responsible personnel within each department for field assessments and site inspections	*	*	✓		*	*	*	*	*	*
3.3.4B	Perform Field Assessments and site inspections	Develop departmental Standard Operating Procedures (SOP) for reporting, inspection and enforcement of IDDE	*	*	✓		*	*	*	*	*	*
3.3.4C	Perform Field Assessments and site inspections	Educate the general public, commercial and industrial developments on the hazards associated with illicit discharges	*	*	*	*	✓		*	*	*	*
3.3.4D	Perform Field Assessments and site inspections	Initiate basic field assessments to establish priority IDDE areas	*	*	*	*	*	*	*	*	✓	
3.3.4E	Perform Field Assessments and site inspections	Screen major outfalls at least once during permit cycle	*	*	*	*	*	*	✓		*	*



# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.1A**

#### **Stormwater Infrastructure**

#### **Date**

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Infrastructure	Date Inventoried	Coordinates
Openpipecreek	04-FEB-08 10:51:45AM	N30 38 01.7 W87 52 41.9
1	14-MAR-07 1:27:06PM	N30 39 50.3 W87 51 28.7
2	14-MAR-07 1:32:19PM	N30 39 50.1 W87 51 28.7
3	04-APR-07 9:42:00AM	N30 37 36.4 W87 55 11.1
4	04-APR-07 9:54:58AM	N30 37 49.2 W87 55 05.4
5		N30 37 43.5 W87 54 43.8
6	11-APR-07 11:08:03AM	N30 37 34.1 W87 54 09.1
7	11-APR-07 11:14:24AM	N30 37 35.0 W87 54 10.9
8	11-APR-07 11:31:48AM	N30 37 21.9 W87 53 53.5
9	11-APR-07 11:41:01AM	N30 37 25.2 W87 53 56.5
10	11-APR-07 11:43:29AM	N30 37 25.3 W87 53 55.9
11	11-APR-07 12:06:20PM	N30 37 32.6 W87 53 52.1
12	11-APR-07 1:07:54PM	N30 37 36.6 W87 54 09.3
13	11-APR-07 1:10:00PM	N30 37 36.7 W87 54 09.4
14	11-APR-07 1:15:13PM	N30 37 36.5 W87 54 10.7
15	11-APR-07 1:15:16PM	N30 37 36.5 W87 54 10.6
16	11-APR-07 1:15:30PM	N30 37 36.6 W87 54 10.7
17	11-APR-07 1:15:47PM	N30 37 36.5 W87 54 10.9
18	11-APR-07 1:16:54PM	N30 37 36.1 W87 54 11.2
19	11-APR-07 1:19:47PM	N30 37 36.1 W87 54 11.9
20	11-APR-07 1:27:39PM	N30 37 37.5 W87 54 12.8
21	11-APR-07 1:41:19PM	N30 37 34.7 W87 54 15.3
22	13-JUN-07 1:59:19PM	N30 36 10.8 W87 54 14.5
23	13-JUN-07 2:00:53PM	N30 36 11.0 W87 54 14.2
24	06-JUL-07 8:40:25AM	N30 36 43.4 W87 54 40.7
25	06-JUL-07 8:42:33AM	N30 36 44.0 W87 54 40.3
26	06-JUL-07 8:42:42AM	N30 36 43.9 W87 54 40.4
27	06-JUL-07 8:45:21AM	N30 36 44.0 W87 54 39.8
28	06-JUL-07 8:45:59AM	N30 36 44.3 W87 54 39.3
29	06-JUL-07 8:50:44AM	N30 36 44.3 W87 54 38.5
30	06-JUL-07 8:53:55AM	N30 36 43.5 W87 54 37.8
31	06-JUL-07 8:54:10AM	N30 36 43.3 W87 54 37.7
32	06-JUL-07 8:55:10AM	N30 36 43.3 W87 54 37.4
33	06-JUL-07 8:55:41AM	N30 36 43.3 W87 54 37.2
34	06-JUL-07 8:56:51AM	N30 36 43.0 W87 54 37.4
35	06-JUL-07 9:00:12AM	N30 36 41.7 W87 54 37.3
36	06-JUL-07 9:06:52AM	N30 36 40.7 W87 54 35.7
37	06-JUL-07 9:09:08AM	N30 36 40.5 W87 54 34.7
38	06-JUL-07 9:10:48AM	N30 36 40.5 W87 54 33.8
39	06-JUL-07 9:12:35AM	N30 36 40.4 W87 54 33.8
40	06-JUL-07 9:16:52AM	N30 36 40.3 W87 54 32.7
41	06-JUL-07 9:21:07AM	N30 36 40.2 W87 54 32.0
42	06-JUL-07 9:23:58AM	N30 36 39.8 W87 54 31.7
43	06-JUL-07 9:34:46AM	N30 36 40.3 W87 54 33.4

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

44	06-JUL-07 9:45:37AM	N30 36 41.0 W87 54 37.0
45	09-AUG-07 2:31:27PM	N30 37 48.2 W87 55 07.4
46	09-AUG-07 2:32:16PM	N30 37 48.8 W87 55 09.3
47	09-AUG-07 2:32:23PM	N30 37 48.8 W87 55 09.4
48	09-AUG-07 2:32:32PM	N30 37 48.5 W87 55 09.5
49	09-AUG-07 2:32:37PM	N30 37 48.5 W87 55 09.4
50	09-AUG-07 2:32:45PM	N30 37 48.6 W87 55 09.3
51	09-AUG-07 2:33:27PM	N30 37 48.1 W87 55 07.5
52	09-AUG-07 2:44:26PM	N30 37 36.8 W87 55 17.4
53	09-AUG-07 2:44:36PM	N30 37 37.0 W87 55 17.3
54	09-AUG-07 2:44:49PM	N30 37 37.1 W87 55 17.8
55	09-AUG-07 2:45:00PM	N30 37 36.7 W87 55 17.9
56	09-AUG-07 2:45:31PM	N30 37 36.7 W87 55 17.5
57	09-AUG-07 2:45:37PM	N30 37 36.8 W87 55 17.4
58	09-AUG-07 2:46:14PM	N30 37 36.6 W87 55 15.7
59	09-AUG-07 2:47:39PM	N30 37 36.0 W87 55 11.1
60	10-AUG-07 2:05:52PM	N30 35 57.7 W87 54 49.8
61	10-AUG-07 2:06:59PM	N30 35 58.2 W87 54 52.8
62	10-AUG-07 2:07:07PM	N30 35 58.2 W87 54 52.8
63	10-AUG-07 2:07:12PM	N30 35 58.2 W87 54 52.8
64	10-AUG-07 2:07:40PM	N30 35 58.0 W87 54 52.8
65	10-AUG-07 2:07:49PM	N30 35 58.0 W87 54 52.8
66	10-AUG-07 2:08:06PM	N30 35 58.2 W87 54 52.7
67	10-AUG-07 2:08:09PM	N30 35 58.2 W87 54 52.7
68	10-AUG-07 2:08:27PM	N30 35 58.3 W87 54 53.4
69	10-AUG-07 2:08:39PM	N30 35 58.1 W87 54 53.4
70	10-AUG-07 2:08:48PM	N30 35 58.1 W87 54 53.6
71	10-AUG-07 2:09:06PM	N30 35 58.7 W87 54 53.4
72	10-AUG-07 2:09:13PM	N30 35 58.6 W87 54 53.3
73	10-AUG-07 2:09:23PM	N30 35 58.4 W87 54 53.3
74	10-AUG-07 2:09:41PM	N30 35 58.3 W87 54 52.6
75	10-AUG-07 2:09:54PM	N30 35 58.6 W87 54 52.5
76	10-AUG-07 2:10:00PM	N30 35 58.6 W87 54 52.5
77	10-AUG-07 2:10:13PM	N30 35 58.4 W87 54 52.6
78	10-AUG-07 2:11:11PM	N30 35 57.9 W87 54 49.9
79	10-AUG-07 2:11:21PM	N30 35 58.1 W87 54 49.8
80	10-AUG-07 2:11:29PM	N30 35 58.2 W87 54 49.7
81	10-AUG-07 2:11:40PM	N30 35 58.0 W87 54 49.8
82	10-AUG-07 2:11:45PM	N30 35 58.0 W87 54 49.8
83	10-AUG-07 2:11:51PM	N30 35 57.9 W87 54 49.8
84	10-AUG-07 2:11:59PM	N30 35 57.8 W87 54 49.6
85	17-AUG-07 9:23:42AM	N30 35 58.0 W87 54 49.8
86	17-AUG-07 9:24:09AM	N30 35 58.0 W87 54 49.8
87	17-AUG-07 9:24:16AM	N30 35 58.0 W87 54 49.8
88	17-AUG-07 9:24:37AM	N30 35 58.6 W87 54 49.9

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

89	17-AUG-07 9:25:26AM	N30 35 58.5 W87 54 49.6
90	17-AUG-07 9:25:47AM	N30 35 58.7 W87 54 50.7
91	17-AUG-07 9:25:56AM	N30 35 58.6 W87 54 50.7
92	17-AUG-07 9:26:18AM	N30 35 58.4 W87 54 49.9
93	17-AUG-07 9:26:55AM	N30 35 58.5 W87 54 50.5
94	17-AUG-07 9:29:09AM	N30 35 56.4 W87 54 51.3
95	17-AUG-07 9:32:28AM	N30 35 58.2 W87 54 50.9
96	17-AUG-07 9:33:02AM	N30 35 58.2 W87 54 51.9
97	04-FEB-08 11:10:22AM	N30 37 58.8 W87 52 38.2
98	04-FEB-08 12:04:09PM	N30 38 04.4 W87 52 26.3
99	29-FEB-08 10:53:54AM	N30 39 38.0 W87 52 47.5
100	24-MAR-08 1:33:15PM	N30 38 58.5 W87 51 57.6
101	25-MAR-08 12:19:12PM	N30 36 10.1 W87 54 14.0
102	02-APR-08 1:22:15PM	N30 35 13.6 W87 53 53.2
103	23-APR-08 10:58:38AM	N30 39 08.8 W87 53 07.9
104	23-APR-08 10:58:42AM	N30 39 08.9 W87 53 07.9
105	23-APR-08 10:59:20AM	N30 39 08.8 W87 53 08.3
106	23-APR-08 10:59:30AM	N30 39 08.7 W87 53 08.2
107	23-APR-08 10:59:33AM	N30 39 08.8 W87 53 08.1
108	23-APR-08 11:00:07AM	N30 39 09.2 W87 53 08.7
109	23-APR-08 11:01:07AM	N30 39 09.4 W87 53 09.0
110	23-APR-08 11:01:26AM	N30 39 09.1 W87 53 08.4
111	23-APR-08 11:09:51AM	N30 39 09.2 W87 53 08.6
112	23-APR-08 11:09:58AM	N30 39 09.1 W87 53 08.6
113	23-APR-08 11:10:14AM	N30 39 09.1 W87 53 08.6
114	23-APR-08 11:10:50AM	N30 39 09.1 W87 53 08.6
115	23-APR-08 11:13:06AM	N30 39 09.0 W87 53 08.2
116	23-APR-08 11:13:29AM	N30 39 09.0 W87 53 08.4
117	23-APR-08 11:13:37AM	N30 39 09.0 W87 53 08.5
118	23-APR-08 11:14:53AM	N30 39 09.1 W87 53 08.4
119	23-APR-08 11:16:21AM	N30 39 09.4 W87 53 08.4
120		N30 39 09.4 W87 53 08.4
121	23-APR-08 11:16:35AM	N30 39 09.3 W87 53 08.4
122	23-APR-08 11:17:13AM	N30 39 09.3 W87 53 08.4
123	23-APR-08 11:23:24AM	N30 39 08.9 W87 53 08.2
124	23-APR-08 11:24:20AM	N30 39 09.1 W87 53 08.4
125	23-APR-08 11:24:23AM	N30 39 09.1 W87 53 08.3
126	23-APR-08 11:24:32AM	N30 39 09.1 W87 53 08.3
127		N30 39 09.1 W87 53 08.3
128	23-APR-08 11:27:40AM	N30 39 09.3 W87 53 08.5
129	23-APR-08 11:29:48AM	N30 39 09.2 W87 53 08.2
130	23-APR-08 11:29:52AM	N30 39 09.2 W87 53 08.2
131		N30 39 09.2 W87 53 08.2
132	23-APR-08 12:18:31PM	N30 39 10.0 W87 53 09.7
133	23-APR-08 12:21:38PM	N30 39 10.2 W87 53 10.1

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

134	29-APR-08 2:27:51PM	N30 37 35.7 W87 54 55.0
135	23-MAY-08 8:26:22AM	N30 37 40.2 W87 54 49.1
136	23-MAY-08 8:26:51AM	N30 37 39.6 W87 54 49.8
137	23-MAY-08 9:10:26AM	N30 37 35.5 W87 54 56.2
138	08-SEP-08 8:15:07AM	N30 37 48.7 W87 55 02.4
139	08-SEP-08 8:16:39AM	N30 37 49.3 W87 54 58.6
140	23-SEP-08 9:41:09AM	N30 36 06.1 W87 53 09.4
141	23-SEP-08 9:51:43AM	N30 37 50.3 W87 53 14.6
142	23-SEP-08 9:53:54AM	N30 37 49.6 W87 53 14.7
143	23-SEP-08 10:48:09AM	N30 38 33.8 W87 53 28.4
144	23-SEP-08 3:19:48PM	N30 35 57.3 W87 54 25.3
145	25-NOV-08 2:54:48PM	N30 37 33.4 W87 53 29.7
146	17-FEB-09 2:15:08PM	N30 39 10.2 W87 52 59.7
147	20-FEB-09 12:15:14PM	N30 37 55.9 W87 53 07.8
148	20-FEB-09 1:16:00PM	N30 38 38.0 W87 51 59.7
149	20-FEB-09 1:16:13PM	N30 38 38.0 W87 51 59.8
150	19-MAR-09 9:42:40AM	N30 36 10.8 W87 54 17.8
151	19-MAR-09 10:02:16AM	N30 39 36.6 W87 53 08.9
152	01-JUN-09 2:24:45PM	N30 36 10.6 W87 54 14.4
153	01-JUN-09 2:27:42PM	N30 36 10.6 W87 54 14.4
154	01-JUN-09 2:37:54PM	N30 36 58.9 W87 54 28.3
155	01-JUN-09 3:13:01PM	N30 37 04.4 W87 54 41.5
156	01-JUN-09 3:13:38PM	N30 37 04.5 W87 54 41.2
157	09-SEP-09 12:31:30PM	N30 38 36.3 W87 53 41.1
158	15-SEP-09 5:52:40PM	N30 37 40.5 W87 53 18.4
159	15-SEP-09 6:19:00PM	N30 37 49.7 W87 53 14.7
160	15-SEP-09 6:19:23PM	N30 37 49.6 W87 53 14.6
161	25-SEP-09 10:42:34AM	N30 37 45.0 W87 54 08.8
162	25-SEP-09 10:42:53AM	N30 37 45.4 W87 54 08.8
163	25-SEP-09 10:43:08AM	N30 37 45.7 W87 54 08.7
164	25-SEP-09 10:43:39AM	N30 37 46.3 W87 54 08.8
165	25-SEP-09 10:43:45AM	N30 37 46.4 W87 54 08.8
166	25-SEP-09 10:43:57AM	N30 37 46.8 W87 54 08.8
167	25-SEP-09 10:44:15AM	N30 37 47.2 W87 54 08.7
168	25-SEP-09 10:44:27AM	N30 37 47.5 W87 54 08.7
169	25-SEP-09 10:45:02AM	N30 37 48.1 W87 54 08.4
170	25-SEP-09 10:45:21AM	N30 37 48.4 W87 54 08.0
171	25-SEP-09 10:45:34AM	N30 37 48.8 W87 54 08.0
172	25-SEP-09 10:46:04AM	N30 37 49.2 W87 54 08.3
173	26-SEP-09 10:40:10AM	N30 37 48.8 W87 54 08.1
174	26-SEP-09 10:52:07AM	N30 37 42.6 W87 54 07.9
175	26-SEP-09 10:52:21AM	N30 37 42.3 W87 54 07.9
176	26-SEP-09 10:52:37AM	N30 37 41.9 W87 54 07.8
177	26-SEP-09 10:52:51AM	N30 37 42.0 W87 54 08.2
178	26-SEP-09 10:53:07AM	N30 37 41.9 W87 54 08.5

MCM 3 Illicit Discharge Detection and Elimination  
 3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

179	26-SEP-09 10:53:29AM	N30 37 41.5 W87 54 08.4
180	26-SEP-09 10:54:06AM	N30 37 41.7 W87 54 09.0
181	26-SEP-09 10:54:13AM	N30 37 41.8 W87 54 09.1
182	26-SEP-09 10:54:22AM	N30 37 41.8 W87 54 09.3
183	26-SEP-09 10:54:36AM	N30 37 42.1 W87 54 09.3
184	26-SEP-09 10:54:57AM	N30 37 42.4 W87 54 09.5
185	26-SEP-09 10:56:18AM	N30 37 43.4 W87 54 09.8
186	26-SEP-09 10:56:43AM	N30 37 43.9 W87 54 10.0
187	26-SEP-09 10:58:09AM	N30 37 45.1 W87 54 08.9
188	26-SEP-09 10:58:15AM	N30 37 45.3 W87 54 08.8
189	26-SEP-09 10:58:26AM	N30 37 45.6 W87 54 08.7
190	26-SEP-09 10:58:46AM	N30 37 46.1 W87 54 08.8
191	26-SEP-09 10:59:13AM	N30 37 46.8 W87 54 08.8
192	26-SEP-09 10:59:48AM	N30 37 47.9 W87 54 08.5
193	26-SEP-09 11:00:03AM	N30 37 48.1 W87 54 08.2
194	26-SEP-09 11:00:15AM	N30 37 48.4 W87 54 08.0
195	26-SEP-09 11:00:42AM	N30 37 49.2 W87 54 08.1
196	30-SEP-09 2:21:44PM	N30 37 39.9 W87 54 05.6
197	30-SEP-09 2:24:33PM	N30 37 39.3 W87 54 04.6
198	08-OCT-09 2:10:59PM	N30 39 15.4 W87 53 07.9
199	22-OCT-09 3:35:42PM	N30 37 43.3 W87 54 07.7
200	22-OCT-09 3:35:52PM	N30 37 43.3 W87 54 07.7
201	22-OCT-09 3:36:36PM	N30 37 43.7 W87 54 07.9
202	22-OCT-09 3:37:28PM	N30 37 44.3 W87 54 07.8
203	22-OCT-09 3:38:22PM	N30 37 44.5 W87 54 08.1
204	22-OCT-09 3:38:58PM	N30 37 44.7 W87 54 08.2
205	22-OCT-09 3:39:41PM	N30 37 44.7 W87 54 08.6
206	22-OCT-09 3:40:22PM	N30 37 44.9 W87 54 08.9
207	22-OCT-09 3:42:55PM	N30 37 47.8 W87 54 08.8
208	03-NOV-09 9:36:35AM	N30 39 10.1 W87 53 17.4
209	03-NOV-09 9:38:09AM	N30 39 08.6 W87 53 17.0
210	03-FEB-10 12:15:56PM	N30 37 54.0 W87 52 08.5
211	03-FEB-10 12:22:57PM	N30 37 54.1 W87 52 05.9
212	03-FEB-10 12:34:25PM	N30 37 55.9 W87 51 59.9
213	03-FEB-10 12:49:25PM	N30 37 58.0 W87 51 55.7
214	03-FEB-10 12:56:01PM	N30 37 58.3 W87 51 52.2
215	03-FEB-10 1:13:23PM	N30 37 58.8 W87 51 45.3
216	03-FEB-10 1:19:10PM	N30 37 59.4 W87 51 44.6
217	03-FEB-10 1:44:20PM	N30 38 00.0 W87 51 37.7
218	03-FEB-10 1:45:21PM	N30 38 00.4 W87 51 37.8
219	03-FEB-10 2:00:16PM	N30 38 01.6 W87 51 31.9
220	03-FEB-10 2:09:59PM	N30 38 00.1 W87 51 26.7
221	03-FEB-10 2:24:30PM	N30 38 05.3 W87 51 19.2
222	04-FEB-10 1:45:34PM	N30 38 56.4 W87 51 58.3
223	04-FEB-10 1:46:33PM	N30 38 56.5 W87 51 58.7

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

	224	06-AUG-10 9:30:59AM	N30 38 45.0 W87 53 37.5
	225	06-AUG-10 10:11:43AM	N30 38 27.6 W87 53 48.9
	226	06-AUG-10 10:17:13AM	N30 38 29.4 W87 53 41.3
	227	06-AUG-10 10:24:27AM	N30 38 32.9 W87 53 43.5
	228	06-AUG-10 10:24:52AM	N30 38 33.4 W87 53 43.9
	229	06-AUG-10 10:24:58AM	N30 38 33.4 W87 53 43.9
	230	06-AUG-10 10:25:46AM	N30 38 33.9 W87 53 43.7
	231	06-AUG-10 10:25:56AM	N30 38 34.1 W87 53 43.6
	232	06-AUG-10 11:15:52AM	N30 38 35.7 W87 53 33.8
	233	07-DEC-10 2:01:32PM	N30 37 40.7 W87 54 47.7
	234	07-DEC-10 2:05:31PM	N30 37 41.2 W87 54 42.4
	235	11-JAN-11 9:46:43AM	N30 36 27.5 W87 52 24.2
	236	11-JAN-11 10:10:29AM	N30 36 35.5 W87 52 33.0
	237	11-JAN-11 11:54:18AM	N30 37 05.9 W87 52 45.2
	238	21-MAR-11 12:54:24PM	N30 39 55.4 W87 54 09.3
	239	21-MAR-11 1:46:44PM	N30 40 00.0 W87 54 25.8
	240	21-MAR-11 2:14:01PM	N30 40 07.2 W87 54 13.7
2Creeks		16-FEB-09 1:26:44PM	N30 39 10.1 W87 53 10.5
2ribsouth		16-FEB-09 2:01:25PM	N30 39 07.8 W87 53 22.2
2Spipe		02-APR-08 12:55:38PM	N30 35 22.0 W87 53 56.7
3 Covert		25-MAR-08 9:06:45AM	N30 38 08.4 W87 53 03.2
30Pipe		21-MAR-11 2:17:25PM	N30 40 08.4 W87 54 13.4
31Pic Valley		27-JUN-07 8:39:08AM	N30 37 03.6 W87 54 38.4
3Box10X12SED		21-APR-08 2:20:22PM	N30 39 19.8 W87 53 02.2
3c2		06-APR-11 8:24:24AM	N30 36 13.3 W87 53 54.3
3N8		08-OCT-09 2:08:33PM	N30 39 16.0 W87 53 06.8
3nlet2		17-FEB-09 3:34:12PM	N30 38 52.3 W87 52 21.4
48Of		27-JUN-07 9:06:37AM	N30 36 56.1 W87 54 25.5
60PIPECREEK		24-MAR-08 11:32:20AM	N30 38 51.7 W87 52 13.1
90Hwy		17-FEB-09 2:35:31PM	N30 39 18.8 W87 52 47.3
98TARGTOUTFALL		20-FEB-09 2:32:54PM	N30 36 06.0 W87 53 46.5
A00		24-MAR-08 1:27:45PM	N30 39 01.3 W87 51 55.5
A01		25-MAR-08 8:28:23AM	N30 36 10.3 W87 54 14.1
Ad4BOXI10		29-FEB-08 10:46:33AM	N30 39 33.3 W87 52 47.8
Adcd		02-APR-08 1:40:33PM	N30 35 00.0 W87 53 54.4
Adcd4		02-APR-08 1:14:18PM	N30 35 14.3 W87 53 55.9
Adcditfailu33		29-FEB-08 11:00:11AM	N30 39 38.9 W87 52 45.5
Adculv		02-APR-08 1:41:17PM	N30 35 00.2 W87 53 54.5
Adculvert		13-FEB-09 10:49:27AM	N30 39 59.9 W87 52 36.4
Adculvt		02-APR-08 1:19:07PM	N30 35 12.5 W87 53 52.5
AdculvW		02-APR-08 1:48:46PM	N30 34 56.9 W87 53 58.4
Adgrateinlet		29-FEB-08 10:24:40AM	N30 39 37.2 W87 52 27.7
Adnbox		29-FEB-08 10:50:46AM	N30 39 38.5 W87 52 46.7
Adot10X6X2CULV		13-FEB-09 11:26:17AM	N30 39 30.6 W87 53 10.9
Adotcmdit		21-APR-08 2:19:10PM	N30 39 19.5 W87 53 02.9

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Adotculvert	24-JUN-09 11:46:27AM	N30 36 10.3 W87 54 13.7
Adpipe	29-FEB-08 10:32:55AM	N30 39 35.3 W87 52 39.8
Adpipe18	29-FEB-08 10:19:01AM	N30 39 36.8 W87 52 27.0
Adriprap	29-FEB-08 10:36:26AM	N30 39 35.1 W87 52 43.6
Adwoodr79	29-FEB-08 1:51:51PM	N30 39 50.2 W87 51 28.8
Alapowroa	13-FEB-09 11:07:15AM	N30 39 24.5 W87 53 13.0
Aldot Hwy# 98w	13-MAR-07 10:24:17AM	N30 37 27.8 W87 54 26.7
Alexander	17-FEB-09 3:08:52PM	N30 39 03.7 W87 52 31.6
Allg Aldot Inl	20-MAR-07 12:44:51PM	N30 39 21.5 W87 54 44.6
As1	21-MAR-11 2:16:48PM	N30 40 08.4 W87 54 13.8
Atribseast	04-FEB-08 10:58:12AM	N30 38 00.0 W87 52 40.5
Austinpark Swp	11-JAN-11 9:05:18AM	N30 36 25.3 W87 52 27.7
B Yb	04-APR-07 2:35:02PM	N30 37 42.8 W87 54 43.6
Bankeryellow	17-FEB-09 3:05:11PM	N30 39 07.0 W87 52 33.3
Bay Front1	09-AUG-07 2:24:51PM	N30 37 48.1 W87 55 07.5
Bay FrontEND	09-AUG-07 2:26:48PM	N30 37 48.5 W87 55 09.5
Baybreezeoutfl	20-NOV-08 2:50:28PM	N30 39 01.5 W87 54 37.5
Bdam	29-FEB-08 11:15:48AM	N30 39 42.8 W87 52 36.8
Bdam3	29-FEB-08 12:18:28PM	N30 39 52.6 W87 52 14.7
Bdam45	29-FEB-08 11:29:33AM	N30 39 47.9 W87 52 29.1
Beaver Dam	31-JAN-08 11:53:24AM	N30 37 44.9 W87 53 00.6
Berm	21-APR-08 2:05:25PM	N30 39 25.0 W87 52 38.0
Bigoak	30-SEP-09 2:01:19PM	N30 37 41.0 W87 54 08.7
Blockwall	27-JUN-07 8:28:00AM	N30 37 02.2 W87 54 44.3
Blowoutt	27-JUN-07 8:13:43AM	N30 37 04.0 W87 54 40.4
Bluff	11-APR-07 11:59:50AM	N30 37 31.8 W87 53 44.2
Bluffcreek	24-MAR-08 11:01:18AM	N30 38 54.7 W87 52 00.7
Bnker	17-FEB-09 3:01:23PM	N30 39 07.8 W87 52 37.1
Board Creek	16-MAY-07 11:53:21AM	N30 37 53.9 W87 52 29.3
Boardwalk	07-DEC-10 1:51:41PM	N30 37 36.2 W87 54 57.4
Boardwalk Hp	04-APR-07 2:50:46PM	N30 37 36.3 W87 54 54.1
Boat	17-FEB-09 2:45:34PM	N30 39 09.7 W87 52 50.3
Bottomwetbraid	13-FEB-09 12:00:38PM	N30 39 48.5 W87 53 04.7
Box	06-AUG-10 11:08:47AM	N30 38 33.8 W87 53 34.6
Box31	13-FEB-09 12:48:21PM	N30 40 17.0 W87 53 08.3
Boxoutfall	24-MAR-08 10:13:10AM	N30 38 42.3 W87 51 40.0
Bp1	21-MAR-11 1:37:56PM	N30 39 54.6 W87 54 23.8
Br4	01-JUN-09 2:34:36PM	N30 36 58.4 W87 54 28.0
Brickdam	11-JAN-11 11:20:52AM	N30 36 49.2 W87 52 48.8
Bridge	16-FEB-09 2:45:54PM	N30 39 07.4 W87 53 35.6
Bridge Bv	25-MAR-08 10:49:04AM	N30 38 33.8 W87 53 30.5
Cancercsed	29-FEB-08 10:08:31AM	N30 39 07.9 W87 52 53.1
Ccr13	03-FEB-10 12:18:56PM	N30 37 52.3 W87 52 06.9
Cculvwest	02-APR-08 2:38:37PM	N30 34 43.3 W87 54 17.9
Cd3	02-APR-08 1:53:54PM	N30 34 55.2 W87 53 59.5

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Cementditch	03-FEB-10 12:14:41PM	N30 37 52.7 W87 52 08.8
Cemheadculv	04-FEB-08 11:59:53AM	N30 38 04.6 W87 52 29.9
Centercreek	06-AUG-10 9:06:12AM	N30 38 38.4 W87 53 37.7
Ck Dam 21	25-MAR-08 10:32:10AM	N30 38 29.5 W87 53 23.1
Ck Dam	25-MAR-08 9:22:59AM	N30 38 15.7 W87 53 11.0
Claybls81	24-MAR-08 11:17:47AM	N30 38 55.7 W87 52 08.1
Clearing	08-OCT-09 3:12:52PM	N30 37 40.9 W87 54 08.8
Clifferosion	27-JUN-07 8:37:55AM	N30 37 03.5 W87 54 38.5
Codpwswof	11-JAN-11 9:54:50AM	N30 36 31.4 W87 52 27.9
Codswof2	11-JAN-11 9:58:12AM	N30 36 32.7 W87 52 29.7
countculv	02-APR-08 2:36:59PM	N30 34 42.7 W87 54 16.7
Countycemditch	24-MAR-08 11:12:26AM	N30 38 54.8 W87 52 06.1
Cpd	21-MAR-11 2:13:06PM	N30 40 06.9 W87 54 13.9
Cpdends	08-OCT-09 2:46:28PM	N30 39 18.7 W87 53 05.6
Cr13 CUL	31-JAN-08 1:30:42PM	N30 37 39.1 W87 52 09.1
Cr13CULVERT	03-FEB-10 12:12:47PM	N30 39 55.2 W87 51 04.6
Crcut	21-MAR-11 1:46:55PM	N30 40 00.0 W87 54 25.8
Creek	16-MAY-07 11:45:01AM	N30 37 52.4 W87 52 27.9
Creek South	03-FEB-10 1:51:40PM	N30 38 01.1 W87 51 34.9
Creek26	24-MAR-08 8:52:21AM	N30 39 03.3 W87 51 53.7
Creek90	24-MAR-08 1:17:23PM	N30 39 40.9 W87 52 21.4
CreekCenter	08-OCT-09 2:36:36PM	N30 39 14.2 W87 53 09.9
Creekdry	27-JUN-07 9:03:14AM	N30 36 58.0 W87 54 27.2
CreekEast	09-MAY-08 11:59:53AM	N30 38 07.5 W87 52 17.7
Creekerodutisl	21-APR-08 3:27:20PM	N30 38 04.2 W87 51 47.2
Creekhead	02-APR-08 1:52:02PM	N30 34 57.3 W87 53 58.8
Creekmeet	16-FEB-09 1:16:21PM	N30 39 14.5 W87 53 09.9
Creekofdent	24-MAR-08 10:16:38AM	N30 38 42.8 W87 51 43.0
creekside Vdih	04-FEB-08 10:29:14AM	N30 38 04.1 W87 52 50.4
Creeksurbar	27-JUN-07 8:54:04AM	N30 37 00.7 W87 54 32.6
Creektwotrib	24-MAR-08 12:52:39PM	N30 39 17.4 W87 51 48.3
Crk	07-DEC-10 1:54:28PM	N30 37 36.3 W87 54 54.2
Crk44		N30 39 47.8 W87 52 29.8
Crsplit52	29-FEB-08 11:55:57AM	N30 39 51.7 W87 52 23.2
Crswwpipe	16-FEB-09 2:26:11PM	N30 38 58.5 W87 53 26.3
Cul	06-AUG-10 9:31:57AM	N30 38 45.9 W87 53 36.6
Culvert	24-MAR-08 11:05:20AM	N30 38 54.0 W87 52 02.9
Culvertcr13	20-FEB-09 1:16:17PM	N30 38 38.0 W87 51 59.8
Culvertwest	24-MAR-08 11:13:17AM	N30 38 54.9 W87 52 05.9
CulvertWp	11-JAN-11 11:55:42AM	N30 37 06.1 W87 52 45.9
Cut	11-JAN-11 11:11:50AM	N30 36 47.2 W87 52 50.7
Cut 1	04-APR-07 2:44:36PM	N30 37 40.9 W87 54 47.4
Cut 2	04-APR-07 2:45:45PM	N30 37 40.8 W87 54 47.9
Cut 3S	04-APR-07 2:52:39PM	N30 37 35.0 W87 54 55.2
Cut 4S	04-APR-07 2:53:55PM	N30 37 35.0 W87 54 56.9

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Cut 5S Dr	04-APR-07 2:58:29PM	N30 37 31.1 W87 55 03.9
Cut Clay P 52	27-JUN-07 8:50:25AM	N30 37 01.7 W87 54 33.9
Cut1	04-FEB-10 1:57:07PM	N30 38 55.3 W87 51 57.0
Cutcreek	29-FEB-08 12:56:03PM	N30 39 57.0 W87 52 00.7
Dam	11-JAN-11 10:11:10AM	N30 36 35.6 W87 52 33.0
Danny	09-APR-07 1:26:44PM	N30 38 09.7 W87 52 39.3
Daphne Bp Pipe	25-MAY-07 1:50:36PM	N30 36 44.3 W87 53 42.9
Daputiloutfall	21-APR-08 3:19:32PM	N30 38 09.5 W87 51 49.1
Dc&CREEK	08-OCT-09 2:11:06PM	N30 39 15.3 W87 53 07.9
Dc1	06-APR-11 8:19:40AM	N30 36 12.2 W87 53 52.5
Dc2	08-OCT-09 2:02:47PM	N30 39 17.2 W87 53 05.5
Dccree	29-FEB-08 11:27:54AM	N30 39 47.8 W87 52 29.8
Dcentersutdolc	08-OCT-09 2:30:32PM	N30 39 10.7 W87 53 10.1
Dcreek41	29-FEB-08 11:13:51AM	N30 39 42.2 W87 52 38.2
Dcs	08-OCT-09 2:22:00PM	N30 39 15.3 W87 53 06.6
Dcstrest	04-FEB-10 1:38:40PM	N30 37 42.6 W87 54 41.6
Dcwide47	29-FEB-08 11:42:07AM	N30 39 50.0 W87 52 25.7
Deerstand	13-FEB-09 11:03:10AM	N30 39 22.1 W87 53 13.0
Detenpond	11-JAN-11 10:30:16AM	N30 36 39.1 W87 52 54.5
Dirt	25-MAY-07 2:22:35PM	N30 35 35.6 W87 53 17.0
Dirtpit	15-MAY-08 2:18:52PM	N30 37 11.5 W87 54 03.7
Dirtroad	09-SEP-09 12:18:07PM	N30 38 33.2 W87 53 46.1
Ditch2	11-JAN-11 9:32:06AM	N30 36 30.4 W87 52 27.5
Ditcheastcr	02-APR-08 1:56:33PM	N30 34 54.0 W87 53 58.2
Dolcul12X12	17-FEB-09 1:49:36PM	N30 36 10.2 W87 54 13.8
Drainerosion	16-FEB-09 1:19:03PM	N30 39 13.6 W87 53 10.2
Drym	11-APR-07 12:14:35PM	N30 37 30.9 W87 53 56.4
Ds Greenwood	04-FEB-08 9:53:00AM	N30 36 10.8 W87 54 14.9
Duculv	06-AUG-10 10:24:06AM	N30 38 32.9 W87 53 43.3
Duexline	09-SEP-09 12:17:25PM	N30 36 10.3 W87 54 13.7
Duline	09-SEP-09 12:24:46PM	N30 38 38.3 W87 53 40.0
Dumh	09-SEP-09 12:23:43PM	N30 38 38.0 W87 53 39.4
Dutility	20-NOV-08 2:43:14PMDutil	N30 39 04.6 W87 54 39.8
E8	23-MAY-08 9:45:12AM	N30 37 35.0 W87 55 02.2
Eagleof	15-SEP-09 5:54:27PM	N30 37 41.4 W87 53 19.2
Edgainlet	20-FEB-09 12:51:40PM	N30 38 51.3 W87 52 09.4
Edge Creek	04-APR-07 3:13:13PM	N30 37 35.0 W87 54 58.3
Einc	25-NOV-08 2:39:14PM	N30 39 01.3 W87 54 37.6
Eincw	25-NOV-08 2:41:42PM	N30 37 37.6 W87 53 36.1
Eis	25-NOV-08 2:52:53PM	N30 37 33.4 W87 53 28.5
Endcemditch	04-FEB-08 11:42:12AM	N30 38 02.2 W87 52 41.6
Erbank	16-FEB-09 1:22:58PM	N30 39 11.9 W87 53 10.6
Erbank2	17-FEB-09 2:21:23PM	N30 39 09.5 W87 52 53.8
Erchannell	20-FEB-09 12:55:23PM	N30 38 49.5 W87 52 07.8
Ergulluphill	17-FEB-09 3:13:20PM	N30 39 00.4 W87 52 28.2

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Erosion2	17-FEB-09 2:49:12PM	N30 39 09.5 W87 52 50.5
Erosionbank	17-FEB-09 1:56:07PM	N30 39 14.5 W87 53 09.9
Exoxtics Sed	11-APR-07 1:27:43PM	N30 37 37.5 W87 54 12.8
Fal22	09-MAY-08 11:17:45AM	N30 38 09.5 W87 52 19.1
Fall	04-APR-07 2:38:23PM	N30 37 40.0 W87 54 44.3
Fall 2	04-APR-07 2:39:13PM	N30 37 40.2 W87 54 44.3
Fall2	21-APR-08 1:30:11PM	N30 39 32.0 W87 52 41.7
Fall3	21-APR-08 1:31:35PM	N30 39 31.9 W87 52 40.9
Fall64EROSION	24-MAR-08 10:45:32AM	N30 38 55.8 W87 51 57.0
Fallcr	13-FEB-09 11:12:26AM	N30 39 27.0 W87 53 12.5
Falleroding	09-MAY-08 11:06:39AM	N30 38 08.0 W87 52 20.0
falllog	21-APR-08 1:27:23PM	N30 39 31.9 W87 52 42.4
Feild	03-FEB-10 2:26:39PM	N30 38 05.2 W87 51 17.6
Fence	22-OCT-09 3:30:47PM	N30 37 40.7 W87 54 08.6
Fence1	22-OCT-09 3:31:30PM	N30 37 40.7 W87 54 08.6
Fencecreek	24-MAR-08 1:03:57PM	N30 39 25.7 W87 52 00.9
ferryp	09-AUG-07 2:40:51PM	N30 37 36.3 W87 55 11.1
Fordbasin	15-MAY-08 2:38:49PM	N30 37 15.3 W87 54 14.5
Fsbasin4	31-JAN-08 1:43:19PM	N30 37 44.5 W87 52 18.3
Gabbions	31-JAN-08 12:29:58PM	N30 37 32.5 W87 52 54.6
Garmin		N38 51 20.0 W94 47 56.5
Garmin Europe		N50 58 58.4 W1 27 50.0
Garmin Taiwan		N25 03 42.4 E121 38 25.0
Gate	07-DEC-10 1:46:03PM	N30 37 42.8 W87 54 45.0
Golfoutfall	09-APR-07 12:01:54PM	N30 38 42.3 W87 52 42.4
Gordoncul	16-FEB-09 1:10:25PM	N30 40 17.6 W87 53 18.4
Greenpipe	27-JUN-07 8:29:22AM	N30 37 02.7 W87 54 43.1
Greenwood Culv	31-JAN-08 10:55:02AM	N30 37 59.9 W87 53 00.7
Gulley	16-FEB-09 1:28:19PM	N30 39 10.3 W87 53 10.1
Gully	21-MAR-11 12:31:24PM	N30 39 57.8 W87 54 06.7
Gully2	21-MAR-11 12:33:01PM	N30 39 57.5 W87 54 07.1
Hackberryrcout	29-FEB-08 1:33:22PM	N30 39 59.4 W87 51 39.4
Headcut343	04-FEB-08 11:47:08AM	N30 38 03.3 W87 52 39.8
Headcutipe	24-MAR-08 11:40:10AM	N30 38 51.5 W87 52 11.8
Headstream	03-FEB-10 2:19:25PM	N30 38 02.6 W87 51 21.5
Headwater	21-APR-08 1:37:20PM	N30 39 31.1 W87 52 38.6
Headwater2	13-FEB-09 12:14:12PM	N30 39 53.8 W87 53 05.4
Headwaters	24-MAR-08 9:17:08AM	N30 39 06.5 W87 51 44.0
Headwaters2	13-FEB-09 12:30:17PM	N30 40 02.8 W87 53 08.1
hidden	21-MAR-11 2:10:48PM	N30 40 06.8 W87 54 15.1
Hole	01-DEC-08 9:47:25AM	N30 39 05.4 W87 52 52.0
Holefall67	24-MAR-08 10:50:31AM	N30 38 55.4 W87 51 57.4
House Park Wp	01-JUN-07 10:49:08AM	N30 37 03.3 W87 53 03.8
hwy90CR	24-MAR-08 12:56:53PM	N30 39 17.8 W87 51 50.1
Hwy90CULVERT	16-FEB-09 1:05:21PM	N30 40 17.6 W87 53 18.4

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

ll	01-DEC-08 10:32:32AM	N30 39 56.4 W87 52 47.3
Increek	08-OCT-09 2:32:39PM	N30 39 10.9 W87 53 10.3
Infall Pipe	25-MAY-07 2:21:31PM	N30 35 35.6 W87 53 17.3
Inlet	01-DEC-08 9:46:12AM	N30 39 05.7 W87 52 51.6
Inlet Al I-10	14-MAR-07 1:52:20PM	N30 39 47.7 W87 51 35.0
Inlet2	01-DEC-08 9:48:17AM	N30 39 05.2 W87 52 52.6
Inletalling	13-FEB-09 12:55:31PM	N30 40 18.2 W87 53 17.3
Inletcantbe44	24-MAR-08 10:09:33AM	N30 38 42.0 W87 51 38.2
Joebranch	21-MAR-11 12:16:35PM	N30 37 06.7 W87 52 47.4
Join	17-FEB-09 2:43:31PM	N30 39 10.3 W87 52 52.4
K22	04-JUN-07 3:34:12PM	N30 37 03.2 W87 53 05.6
Larosaswflume	09-MAY-08 11:20:59AM	N30 38 10.1 W87 52 18.6
Linesw	17-FEB-09 2:04:04PM	N30 39 10.3 W87 53 03.8
Logfallcreek23	24-MAR-08 8:47:54AM	N30 39 00.9 W87 51 55.8
Logjalm	17-FEB-09 2:53:12PM	N30 39 08.6 W87 52 45.8
Logroad	13-FEB-09 11:17:24AM	N30 39 29.8 W87 53 11.5
Malbispit	02-SEP-08 10:13:35AM	N30 36 10.7 W87 54 15.1
Manhl	16-FEB-09 2:13:14PM	N30 39 05.4 W87 53 27.0
Manhole	01-DEC-08 9:42:49AM	N30 37 33.5 W87 53 29.8
Mcridswpipe	09-MAY-08 10:36:02AM	N30 38 05.4 W87 52 24.9
Middlecrrd	29-FEB-08 1:11:32PM	N30 40 01.4 W87 51 45.8
MOB		N30 39 09.2 W87 53 08.3
Montclridgeswp	09-MAY-08 10:34:30AM	N30 37 36.6 W87 55 02.9
Mp5	25-NOV-08 2:50:41PM	N30 37 31.5 W87 53 28.3
Nadotculvert	13-FEB-09 11:31:43AM	N30 39 36.0 W87 53 08.9
Ne Corner	07-DEC-10 1:44:41PM	N30 36 10.5 W87 54 13.6
Ne1	23-MAY-08 8:08:49AM	N30 37 41.8 W87 54 46.0
Ne1Ne	23-MAY-08 8:46:47AM	N30 37 36.0 W87 54 58.8
Ne3R	23-MAY-08 9:11:10AM	N30 37 35.6 W87 54 55.5
Ne6	23-MAY-08 9:47:17AM	N30 37 35.2 W87 55 02.7
Nortribcree	04-FEB-08 11:35:24AM	N30 38 00.5 W87 52 41.4
Nrcsworches97	24-MAR-08 11:52:34AM	N30 38 53.6 W87 52 19.5
Ntrib	24-MAR-08 12:04:36PM	N30 38 58.9 W87 52 25.5
Nw1	23-MAY-08 8:09:30AM	N30 37 41.8 W87 54 46.6
Nw3	23-MAY-08 8:47:48AM	N30 37 35.7 W87 54 59.3
Nw3R	23-MAY-08 9:14:24AM	N30 37 35.1 W87 54 55.7
Nw5	23-MAY-08 9:33:41AM	N30 37 31.5 W87 55 02.0
Oak	08-OCT-09 3:20:30PM	N30 37 41.2 W87 54 08.5
Oakcroutfall	17-FEB-09 3:08:07PM	N30 39 04.1 W87 52 32.3
Office	12-MAR-07 1:51:50PM	N30 36 11.0 W87 54 14.9
Oldchannel	08-OCT-09 2:34:00PM	N30 39 11.7 W87 53 09.8
Oldhouse	26-SEP-09 10:49:44AM	N30 37 48.8 W87 54 08.1
Ooutfall31	13-FEB-09 12:46:18PM	N30 40 15.1 W87 53 08.1
Openwetarea	17-FEB-09 2:42:35PM	N30 39 10.8 W87 52 52.5
Outfall	24-MAR-08 10:11:12AM	N30 38 42.2 W87 51 38.7

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Outfall Existg	16-MAY-07 11:36:06AM	N30 37 52.0 W87 52 26.2
Outfallbox	25-MAY-07 1:54:58PM	N30 35 35.3 W87 53 16.3
Parkdrpark	25-SEP-09 10:30:45AM	N30 39 14.3 W87 54 41.5
Pin	11-JAN-11 11:34:32AM	N30 36 55.8 W87 52 47.9
Pipe Bradley	27-JUN-07 8:11:31AM	N30 37 34.8 W87 55 11.1
Pipegr	16-FEB-09 1:36:59PM	N30 39 09.8 W87 53 11.4
Pipeinair	04-FEB-08 3:02:19PM	N30 39 07.9 W87 52 53.2
Pipewhite	09-APR-07 11:48:03AM	N30 38 37.9 W87 52 32.3
Pit	21-APR-08 1:49:26PM	N30 39 26.5 W87 52 35.3
PI1 NE	29-APR-08 1:57:44PM	N30 37 41.7 W87 54 45.9
PI5NE	29-APR-08 3:01:09PM	N30 37 31.7 W87 55 01.6
PI5NW	29-APR-08 3:02:58PM	N30 37 31.5 W87 55 02.3
pI5SE	29-APR-08 2:58:52PM	N30 37 31.3 W87 55 01.3
PI6N	29-APR-08 3:10:02PM	N30 37 35.4 W87 55 02.8
PI6NE	29-APR-08 3:10:53PM	N30 37 35.9 W87 55 02.6
PI6NW	29-APR-08 3:09:32PM	N30 37 35.4 W87 55 02.8
PI6SE	29-APR-08 3:07:25PM	N30 37 34.4 W87 55 03.0
PI6SW	29-APR-08 3:05:37PM	N30 37 34.2 W87 55 02.9
Plineberm	24-MAR-08 1:48:28PM	N30 39 03.9 W87 52 00.0
Plot 4SW	29-APR-08 2:41:11PM	N30 37 34.7 W87 54 58.9
Plot1NE	29-APR-08 1:49:40PM	N30 39 10.2 W87 53 09.9
Plot1NW	29-APR-08 1:52:00PM	N30 37 41.6 W87 54 46.4
Plot1SE	29-APR-08 1:54:47PM	N30 37 40.9 W87 54 46.2
Plot1SW	29-APR-08 1:53:36PM	N30 37 41.0 W87 54 46.6
Plot2 NE	29-APR-08 2:01:58PM	N30 37 40.2 W87 54 49.0
Plot2NW	29-APR-08 2:06:59PM	N30 37 39.7 W87 54 49.7
Plot2SE	29-APR-08 2:10:19PM	N30 37 40.4 W87 54 48.6
Plot2SW	29-APR-08 2:08:58PM	N30 37 39.5 W87 54 49.5
Plot3NE	29-APR-08 2:27:56PM	N30 37 35.8 W87 54 55.1
Plot3NW	29-APR-08 2:26:21PM	N30 37 35.4 W87 54 55.5
Plot3SE	29-APR-08 2:16:55PM	N30 37 34.4 W87 54 55.2
Plot3SW	29-APR-08 2:18:38PM	N30 37 34.5 W87 54 55.2
Plot4NE	29-APR-08 2:43:45PM	N30 37 36.0 W87 54 59.0
Plot4NW	29-APR-08 2:44:37PM	N30 37 35.9 W87 54 59.3
Plot4SE	29-APR-08 2:40:01PM	N30 37 34.9 W87 54 58.9
Plot5SE	29-APR-08 2:55:46PM	N30 37 31.0 W87 55 02.1
Pond	16-MAY-07 12:09:09PM	N30 37 57.8 W87 52 38.4
Pond Yard	16-FEB-09 2:08:12PM	N30 39 06.6 W87 53 23.7
Pondbeav	03-FEB-10 1:34:36PM	N30 38 00.1 W87 51 40.2
Pondenterscr	16-FEB-09 1:41:47PM	N30 39 09.1 W87 53 12.8
Pondfarm	11-JAN-11 9:22:11AM	N30 36 29.8 W87 52 28.0
Pondof	11-JAN-11 10:00:02AM	N30 36 33.3 W87 52 30.2
Poolcut	31-JAN-08 11:10:19AM	N30 37 56.0 W87 53 02.1
Post	30-SEP-09 2:43:41PM	N30 37 41.4 W87 54 08.7
Post 2	03-FEB-10 1:19:14PM	N30 37 59.4 W87 51 44.5

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Potentry	30-SEP-09 2:26:48PM	N30 37 39.9 W87 54 06.5
pp	22-OCT-09 3:30:04PM	N30 37 40.7 W87 54 08.6
Ppin	30-SEP-09 2:12:29PM	N30 37 41.1 W87 54 07.5
Ppmark	08-OCT-09 3:16:33PM	N30 37 41.6 W87 54 11.4
Prow	02-APR-08 1:23:01PM	N30 35 13.8 W87 53 53.5
Pump	16-FEB-09 2:03:45PM	N30 39 07.4 W87 53 23.8
R Row3	24-MAR-08 8:30:32AM	N30 39 18.4 W87 54 24.8
Rcp2-60D	11-JAN-11 10:26:42AM	N30 36 39.8 W87 52 53.8
Reststart	02-FEB-10 10:01:51AM	N30 39 10.5 W87 53 17.1
Rettc	29-FEB-08 1:46:30PM	N30 39 53.7 W87 51 32.0
ridgewood	25-MAR-08 8:51:33AM	N30 36 10.3 W87 54 14.1
Ridwoodculv	04-FEB-08 12:04:14PM	N30 38 04.4 W87 52 26.3
Ripdamcreek	04-FEB-08 11:10:40AM	N30 37 58.8 W87 52 38.2
Rn5	23-MAY-08 9:36:17AM	N30 37 31.7 W87 55 01.5
Road	30-SEP-09 2:08:31PM	N30 37 40.8 W87 54 08.4
Road2	22-OCT-09 3:44:22PM	N30 37 49.5 W87 54 08.2
Roc Creek	25-MAY-07 2:07:18PM	N30 35 36.7 W87 53 12.6
S D Ot	25-MAR-08 9:14:15AM	N30 38 10.8 W87 53 06.3
Sadculvert	13-FEB-09 10:51:16AM	N30 39 59.9 W87 52 36.4
Se1	23-MAY-08 8:07:42AM	N30 37 41.4 W87 54 46.0
Se2	23-MAY-08 8:22:38AM	N30 37 40.0 W87 54 48.8
Se3	23-MAY-08 8:50:04AM	N30 37 34.9 W87 54 58.5
Se3R	23-MAY-08 9:05:39AM	N30 37 35.3 W87 54 54.6
Se5	23-MAY-08 9:32:03AM	N30 37 31.0 W87 55 01.5
Se6	23-MAY-08 9:43:17AM	N30 37 34.4 W87 55 02.1
Sedhill112	24-MAR-08 1:23:31PM	N30 39 47.8 W87 52 30.8
Sedplug	06-AUG-10 9:14:25AM	N30 38 40.7 W87 53 39.7
Sew	06-AUG-10 9:27:27AM	N30 38 41.3 W87 53 38.1
Sew Log182	04-FEB-08 10:20:43AM	N30 38 06.4 W87 52 51.7
Sewduct	06-AUG-10 10:17:57AM	N30 38 30.2 W87 53 42.0
Sewductcreek	06-AUG-10 9:12:53AM	N30 38 40.5 W87 53 39.6
Sewer	09-MAY-08 10:40:56AM	N30 38 06.1 W87 52 24.0
Sewer Line	25-MAY-07 2:03:13PM	N30 35 35.6 W87 53 14.5
Sewer Line54	31-JAN-08 11:14:53AM	N30 37 55.4 W87 53 02.8
Sewer16	04-FEB-08 10:13:54AM	N30 38 06.8 W87 52 53.7
SewerIn	21-MAR-11 1:52:25PM	N30 40 02.2 W87 54 25.2
Sewerstation34	24-MAR-08 9:07:08AM	N30 39 04.8 W87 51 46.7
Sewerstink	09-MAY-08 11:13:19AM	N30 38 08.9 W87 52 19.4
Sewgrwood	20-FEB-09 11:59:19AM	N30 24 44.4 W87 52 20.0
Sewlinebreak	09-MAY-08 11:15:19AM	N30 38 08.9 W87 52 19.5
Sewmh	06-AUG-10 10:15:48AM	N30 38 29.1 W87 53 40.3
Sewmh7	17-FEB-09 2:37:49PM	N30 39 16.7 W87 52 48.5
Sewmhexpipe	16-FEB-09 1:29:55PM	N30 39 10.1 W87 53 09.6
Sewpipecpr	17-FEB-09 2:23:50PM	N30 39 08.6 W87 52 53.4
Sewst	13-FEB-09 11:36:58AM	N30 39 36.0 W87 53 08.3

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Sewwatercreek	04-FEB-08 10:47:47AM	N30 38 02.0 W87 52 43.5
Sfswof	21-MAR-11 3:21:59PM	N30 39 59.2 W87 54 33.9
Sg7	31-JAN-08 12:47:33PM	N30 37 31.0 W87 52 44.9
Slide	01-JUN-09 2:25:09PM	N30 36 10.6 W87 54 14.4
Slidebig	01-JUN-09 2:51:02PM	N30 37 01.4 W87 54 35.6
Slope Trib	15-MAY-08 1:41:20PM	N30 36 11.1 W87 54 15.0
Slopeerosion	17-FEB-09 3:16:31PM	N30 38 59.5 W87 52 27.4
Smdrychannel	08-OCT-09 2:00:26PM	N30 36 10.4 W87 54 14.2
Smephheadcut	17-FEB-09 2:27:52PM	N30 39 11.6 W87 52 51.3
Smtribentersdc	08-OCT-09 2:14:57PM	N30 39 14.6 W87 53 10.1
Spring	29-FEB-08 10:31:17AM	N30 39 34.9 W87 52 39.6
Stable	09-APR-07 11:29:24AM	N30 36 10.7 W87 54 15.5
Stgpipe	31-JAN-08 12:54:53PM	N30 37 22.6 W87 52 49.7
Storagegully	13-FEB-09 11:01:13AM	N30 39 21.1 W87 53 13.8
Stream	11-APR-07 10:51:40AM	N30 37 38.3 W87 54 12.6
Stream 2	11-APR-07 1:18:27PM	N30 37 36.1 W87 54 11.9
Strib99	24-MAR-08 11:57:11AM	N30 38 54.7 W87 52 21.3
Stundergrou10	24-MAR-08 8:37:06AM	N30 38 56.0 W87 51 59.3
Stwbox	06-AUG-10 11:08:16AM	N30 38 34.0 W87 53 34.7
Stwinleterosin	17-FEB-09 2:07:51PM	N30 39 08.8 W87 53 03.3
Stwpipegully	24-MAR-08 11:50:36AM	N30 38 53.4 W87 52 19.1
Surveyrebar	27-JUN-07 8:42:00AM	N30 37 03.0 W87 54 36.5
Sw Of 2	25-MAR-08 9:29:30AM	N30 38 20.3 W87 53 15.1
Sw Of 3	25-MAR-08 9:34:29AM	N30 38 21.2 W87 53 17.0
Sw Of 4	25-MAR-08 9:45:25AM	N30 38 24.7 W87 53 18.7
Sw Of 5 17	25-MAR-08 9:57:11AM	N30 38 28.9 W87 53 17.2
Sw Of 6 18	25-MAR-08 10:00:33AM	N30 38 28.9 W87 53 16.8
Sw Of 7 19	25-MAR-08 10:08:05AM	N30 38 30.6 W87 53 13.0
Sw Of 8 24	25-MAR-08 10:40:49AM	N30 38 31.7 W87 53 26.7
Sw Of 9 25	25-MAR-08 10:44:32AM	N30 38 33.2 W87 53 28.8
Sw Outfall Jon	02-APR-08 12:53:24PM	N30 36 10.7 W87 54 14.7
Sw Pipe	25-MAR-08 10:26:38AM	N30 38 28.2 W87 53 20.0
sw1	23-MAY-08 8:10:26AM	N30 37 40.9 W87 54 46.6
Sw1SW	23-MAY-08 8:27:28AM	N30 37 39.2 W87 54 49.5
Sw3	23-MAY-08 8:49:29AM	N30 37 34.6 W87 54 58.9
Sw3R	23-MAY-08 9:04:45AM	N30 37 35.0 W87 54 55.2
Sw5	23-MAY-08 9:32:46AM	N30 37 30.8 W87 55 02.1
Sw6	23-MAY-08 9:42:35AM	N30 37 34.3 W87 55 02.7
Sw6Sw	23-MAY-08 9:47:43AM	N30 37 35.3 W87 55 03.0
Swbox	06-AUG-10 11:19:00AM	N30 38 34.4 W87 53 34.3
Swc	07-DEC-10 2:04:49PM	N30 37 40.3 W87 54 42.9
Swcn	06-AUG-10 10:13:14AM	N30 38 28.4 W87 53 44.8
Swcul1	06-AUG-10 9:00:31AM	N30 38 39.9 W87 53 36.6
Swcul3	06-AUG-10 10:09:39AM	N30 38 28.1 W87 53 48.9
Swculls	06-AUG-10 10:13:44AM	N30 38 28.1 W87 53 44.8

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Swculsouth	06-AUG-10 10:11:45AM	N30 38 27.6 W87 53 49.0
Swjun	06-AUG-10 9:01:47AM	N30 38 39.7 W87 53 36.7
Swlnexposed	21-MAR-11 1:57:19PM	N30 40 03.6 W87 54 22.8
Swmh,	16-FEB-09 2:23:01PM	N30 39 01.4 W87 53 26.7
Swmh1	06-AUG-10 8:56:52AM	N30 38 37.9 W87 53 32.2
Swmh2	06-AUG-10 8:58:44AM	N30 38 39.0 W87 53 34.9
Swmh3	16-FEB-09 2:24:52PM	N30 38 59.2 W87 53 26.4
Swmh4	16-FEB-09 2:32:36PM	N30 39 03.9 W87 53 27.7
Swmh5	17-FEB-09 2:05:45PM	N30 39 09.5 W87 53 03.4
Swmh6	17-FEB-09 2:10:59PM	N30 39 09.8 W87 53 01.7
Swmn	16-FEB-09 2:07:27PM	N30 39 06.8 W87 53 23.4
Swmnh	16-FEB-09 2:21:48PM	N30 39 02.6 W87 53 26.8
Swof Hand	02-APR-08 1:37:18PM	N30 35 01.7 W87 53 51.4
Swof3 RG	02-APR-08 1:03:21PM	N30 35 21.3 W87 53 58.8
Swofcpp	11-JAN-11 9:07:09AM	N30 36 25.5 W87 52 27.5
Swofcross	02-APR-08 2:05:42PM	N30 34 46.8 W87 54 00.3
swofdirtrd	09-SEP-09 12:19:33PM	N30 38 34.2 W87 53 43.7
Swofeagle	15-SEP-09 5:41:12PM	N30 37 36.5 W87 53 16.8
Swofeagle2	15-SEP-09 5:43:13PM	N30 37 37.5 W87 53 17.7
SwofNorthbankr	06-AUG-10 9:07:40AM	N30 38 38.9 W87 53 37.5
Swoutfall	15-MAY-08 2:43:23PM	N30 37 12.2 W87 54 13.7
Swoutfalltshap	17-FEB-09 3:26:10PM	N30 38 55.0 W87 52 21.1
Swp	09-MAY-08 11:01:19AM	N30 38 07.7 W87 52 21.3
Swpipe	24-MAR-08 11:37:43AM	N30 38 51.8 W87 52 10.3
Swpipe100	24-MAR-08 12:03:11PM	N30 38 58.1 W87 52 25.2
Swpipe30	17-FEB-09 3:21:08PM	N30 38 58.4 W87 52 25.0
Swpipeacrossck	17-FEB-09 2:18:36PM	N30 39 09.9 W87 52 55.6
Swpipecr	16-FEB-09 1:51:58PM	N30 39 05.7 W87 53 16.4
Swpipefailure	09-MAY-08 10:48:32AM	N30 38 05.4 W87 52 22.2
Swpipemellatea	16-FEB-09 1:44:56PM	N30 39 07.9 W87 53 15.0
Swpiperidgew	16-FEB-09 2:35:02PM	N30 39 02.9 W87 53 29.4
SwpipeRidwood	09-MAY-08 12:12:17PM	N30 38 07.5 W87 52 15.1
Swpipesouth	17-FEB-09 2:59:17PM	N30 39 08.0 W87 52 39.2
SwpipeTolouh	16-FEB-09 1:31:28PM	N30 39 09.7 W87 53 09.3
Swplkvw	16-FEB-09 1:58:11PM	N30 39 08.4 W87 53 21.3
Target Outfall	06-APR-11 8:14:44AM	N30 36 09.3 W87 54 14.1
Tccemdit	01-DEC-08 10:25:24AM	N30 39 56.8 W87 52 37.6
Tcinlet	01-DEC-08 10:19:52AM	N30 40 03.4 W87 52 37.5
Tcofbay	29-FEB-08 12:29:54PM	N30 39 55.7 W87 52 11.6
Tcoutfall	29-FEB-08 12:08:36PM	N30 39 53.9 W87 52 19.1
Tcpoa	01-DEC-08 10:17:43AM	N30 40 00.7 W87 52 36.6
Tcreek	16-MAY-07 11:39:20AM	N30 37 51.5 W87 52 27.3
Tcreek2	09-SEP-09 12:28:32PM	N30 38 39.6 W87 53 38.5
Tlof	15-SEP-09 4:14:03PM	N30 38 32.1 W87 53 52.0
Tr	25-MAR-08 10:37:45AM	N30 38 31.1 W87 53 26.1

MCM 3 Illicit Discharge Detection and Elimination  
3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Tracks	30-SEP-09 2:28:06PM	N30 37 40.0 W87 54 07.3
Trailconnect	22-OCT-09 3:40:25PM	N30 37 44.9 W87 54 08.8
Trailer	25-MAR-08 8:27:18AM	N30 36 10.3 W87 54 14.1
Tramp	16-FEB-09 2:38:56PM	N30 39 05.8 W87 53 30.4
Treedam P 43	27-JUN-07 8:46:06AM	N30 37 02.1 W87 54 35.6
Trib	13-FEB-09 11:10:29AM	N30 39 26.1 W87 53 12.6
Trib East	31-JAN-08 1:37:42PM	N30 37 41.8 W87 52 15.2
Trib Ne70	24-MAR-08 10:56:08AM	N30 38 55.4 W87 51 59.1
Trib North	04-FEB-08 10:49:46AM	N30 38 01.8 W87 52 42.6
Trib North2	09-MAY-08 11:10:32AM	N30 38 08.2 W87 52 19.4
Trib South	04-FEB-08 10:25:33AM	N30 38 05.1 W87 52 50.4
Trib West	31-JAN-08 11:12:58AM	N30 37 55.1 W87 53 02.0
Trib80	31-JAN-08 11:26:40AM	N30 37 51.7 W87 53 02.9
Tribeast	13-FEB-09 12:09:11PM	N30 39 52.8 W87 53 06.0
Tribmeet46	29-FEB-08 11:30:45AM	N30 39 48.1 W87 52 28.4
Tribn	17-FEB-09 3:23:06PM	N30 38 57.6 W87 52 23.5
Tribne	03-FEB-10 1:24:49PM	N30 38 00.7 W87 51 42.4
Tribnorth	17-FEB-09 2:56:51PM	N30 39 08.5 W87 52 42.4
Tribnorth2	17-FEB-09 3:02:53PM	N30 39 08.0 W87 52 35.5
Tribse	02-APR-08 2:23:12PM	N30 34 44.3 W87 54 05.8
Tribsouth	24-MAR-08 11:28:08AM	N30 38 53.7 W87 52 15.1
Tribsouth2	17-FEB-09 3:04:09PM	N30 39 07.4 W87 52 34.2
Tribsouthcreek	06-AUG-10 9:11:18AM	N30 38 39.7 W87 53 39.2
Tribsw	02-FEB-10 10:18:57AM	N30 37 52.2 W87 53 02.7
Tribwest	13-FEB-09 11:51:34AM	N30 39 42.1 W87 53 07.7
Tt Cross Poll	31-JAN-08 11:36:54AM	N30 37 47.9 W87 53 02.1
Tt2 CUL	31-JAN-08 2:24:35PM	N30 37 51.2 W87 52 27.2
Tt2BIGBASIN	04-FEB-08 11:02:14AM	N30 37 58.8 W87 52 40.1
Ut Dlv East	21-APR-08 1:20:26PM	N30 34 42.0 W87 54 18.1
Ut Tiaw	21-APR-08 3:15:57PM	N30 38 07.5 W87 51 48.5
Uteast	29-FEB-08 10:58:30AM	N30 39 39.5 W87 52 45.3
Utlne22	29-FEB-08 10:43:54AM	N30 39 32.4 W87 52 48.1
Utpinerun55	29-FEB-08 11:59:40AM	N30 39 52.7 W87 52 22.1
Utsouth	03-FEB-10 1:13:43PM	N30 37 58.7 W87 51 45.3
Uttgully	15-SEP-09 3:56:34PM	N30 38 35.5 W87 53 49.5
Uttheadcut	15-SEP-09 3:48:21PM	N30 38 33.8 W87 53 46.8
Uttiawasee	21-APR-08 3:33:17PM	N30 37 59.9 W87 51 42.5
Utwest	29-FEB-08 10:56:50AM	N30 39 39.3 W87 52 45.8
Valleyfence	27-JUN-07 8:58:09AM	N30 36 59.3 W87 54 29.5
ValleyP 59	27-JUN-07 8:56:56AM	N30 36 59.6 W87 54 30.4
Vditch Chinq	04-FEB-08 10:42:02AM	N30 38 02.0 W87 52 47.4
Vphelps	17-FEB-09 3:28:22PM	N30 38 54.5 W87 52 19.5
Wash	03-FEB-10 2:24:39PM	N30 38 13.7 W87 51 00.3
Waterfall	31-JAN-08 11:18:36AM	N30 37 55.6 W87 53 01.9
Waterr	09-AUG-07 2:43:22PM	N30 37 36.6 W87 55 15.7

MCM 3 Illicit Discharge Detection and Elimination  
 3.3.1A Compile and Organize Existing Stormwater Infra-structure Data

Watfall60	29-FEB-08 12:04:36PM	N30 39 52.6 W87 52 19.9
Watfall63	29-FEB-08 12:14:59PM	N30 39 52.5 W87 52 15.8
Wet	11-APR-07 10:45:42AM	N30 37 37.0 W87 54 13.7
Wet 2	11-APR-07 11:47:15AM	N30 37 26.6 W87 53 54.8
Wet 3Lost	11-APR-07 12:39:01PM	N30 37 35.4 W87 54 03.7
Wetlandb	30-SEP-09 2:18:19PM	N30 37 39.7 W87 54 06.6
Wetlandponds	11-APR-07 1:16:58PM	N30 37 36.1 W87 54 11.3
Wetlot	16-FEB-09 1:59:18PM	N30 39 08.8 W87 53 21.5
Wetlot2	16-FEB-09 2:14:46PM	N30 39 04.8 W87 53 27.1
Wetmaginal	11-APR-07 1:15:53PM	N30 37 36.5 W87 54 10.8
Wetpond	16-FEB-09 1:39:19PM	N30 39 08.5 W87 53 11.8
Wm	11-APR-07 10:38:17AM	N30 37 34.5 W87 54 15.9
Wmswof	21-MAR-11 2:15:49PM	N30 40 07.7 W87 54 13.8
Woodsideboxsw	04-FEB-08 3:00:00PM	N30 39 05.3 W87 52 51.6
Wood-sidedraing	17-FEB-09 2:47:27PM	N30 39 08.6 W87 52 50.6
Woodside-swpips	04-FEB-08 2:58:03PM	N30 39 05.2 W87 52 52.8
Wpipe	01-DEC-08 9:44:18AM	N30 37 33.5 W87 53 29.8
Ybeasttrib	15-MAY-08 1:58:31PM	N30 37 11.2 W87 54 07.2
Ybeasttrib2	15-MAY-08 2:03:58PM	N30 37 11.1 W87 54 06.4



# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.2**

### **Review City's Existing Commercial IDDE Ordinance**

BAILEY YELDING, JR.  
MAYOR

DAVID L. COHEN, MMC  
CITY CLERK

KIMBERLY M. BRILEY  
FINANCE DIRECTOR/TREASURER

DAVID CARPENTER II  
CHIEF OF POLICE

JAMES "BO" WHITE  
FIRE CHIEF



COUNCIL MEMBERS  
TOMMIE CONAWAY  
DISTRICT 1

CATHY BARNETTE  
DISTRICT 2

JOHN L. LAKE  
DISTRICT 3

KELLY REESE  
DISTRICT 4

RON SCOTT  
DISTRICT 5

DEREK BOULWARE  
DISTRICT 6

AUGUST A. PALUMBO  
DISTRICT 7

August 15, 2012

To: Adrienne Jones

Re: Land Use Changes

**10-7 WATER POLLUTION**  
See attached track changes

**Change:** Development to development and redevelopment throughout the entire chapter 18 see below..... We need to do this because.....as a smaller, Phase II community we are covered by a General Permit. Six Phase II measures are required in Phase II permits. One addresses post-construction stormwater management in new development and redevelopment, including developing, implementing, and enforcing a program to address discharges of stormwater runoff from new and redevelopment areas.

**18-3 Drainage and Storm Water Management (A-9)**

In a **development or re-development** site plan review, the Planning Commission may require water quality enhancement.....

**18-3 Drainage and Storm Water Management (D-1)**

For any onsite or offsite flowing or ephemeral water body, a fifty foot wide vegetated non-disturbed buffer (replace: with non-disturbed vegetated buffer) zone shall be provided on both sides of the stream from bank. If the water body is offsite, permissions may need to be acquired from adjacent property owners to survey and delineate the areas... if a survey cannot be acquired, then the assumption will be made that the stream is at the property line.

### 18-3 Drainage and Storm Water Management (D-2)

For any onsite or off site wetland area, a thirty foot wide vegetated non-disturbed buffer (replace with non-disturbed vegetated buffer) zone (remove of) shall be provided around the wetlands.. Permissions may need to be acquired from adjacent property owners to delineate the areas... if a survey cannot be acquired, then the assumption will be made that wetlands are at the property line.

### 18-4 Stormwater Management Facility Design (A-1)

NEW (X) All stormwater points of discharge shall be located at least 25ft from the property line unless a level spreader outfall device or a similar engineered practice is implemented.

18-4 (B) Stormwater Drainage Detention/Retention Facilities (this will remove the inconsistency with our ordinance-see Richard's attached comments)

#### (1) General Requirements

**Current** (i) Developments which produce an increase in the amount of storm water runoff will be required to construct storm water detention ponds or other approved types of detention devices.

#### (2) Minimum Requirements for Stormwater Management Detention/Retention Facilities:

i. Differential runoff is the difference in rate and volume of stormwater runoff from a parcel or project in its undeveloped natural condition and its developed condition. Post-development release rates shall not exceed pre-development rates. Where practical, the differential runoff should be less.

#### (1) General Requirements

**Proposed** (i) Developments and re-developments which produce an increase in the amount of storm water runoff will be required to construct storm water detention ponds or other approved types of detention devices. This section shall not apply to redevelopments with no change in stormwater runoff.

#### (2) Minimum Requirements for Stormwater Management Detention/Retention Facilities:

i. Differential runoff is the difference in rate and volume of stormwater runoff from a parcel or project in its undeveloped and/or existing condition and its post-developed condition. Post-development release rates shall not exceed pre-development rates. Where practical, the differential runoff should be less.

### 18-4 (B-2)

**Remove xiv:** Wetland areas shall not be used for the purpose of stormwater detention.

### 18-4 (B-4)

**Remove xi:** If pond daylights to a channel with dry weather flow, care should be taken to minimize tree clearing....

18-6 (C)

Add (3): Discharges from construction activities that result in a total land disturbance of one acre or greater and sites less than one acre but are part of a common plan of development or sale are required to present coverage under ADEM's NPDES General Permit ALR 100000 prior to the City issuing the site a site disturbance permit and or a building permit.

18-6 (F-4)

Addition: Soil stockpiles are considered part of the site disturbance and therefore must be temporarily stabilized within thirteen days of clearing or inactivity in construction and permanently stabilized prior to final inspection.

18-6(m-4-iv-f)

Addition: Ad by to the last sentence...one year period by the owner.

18-7 (B)

Remove: Common areas, such as detention basins add All areas disturbed during construction shall be stabilized with permanent vegetation prior to final inspection. Seed and mulch will not be accepted.

New definitions....

LEVEL SPREADER: A device for distributing stormwater uniformly over the ground surface as sheet flow to prevent concentrated, erosive flows and promote infiltration.

Pre-Development: A term that describes a site's pre-development conditions; meaning: either the state of the site before a particular project is built, or the pre-human development condition of the site. The user provides the percent area of the site covered by different possible land uses, e.g. lawn, trees, impervious, etc.

Post-Development: A term that describes a site's conditions after it is developed or re-developed; meaning: either the state of the site after a particular project is built (i.e. – completed). The user provides the percent area of the site covered by different proposed land uses, e.g. lawn, trees, impervious, etc.

Re-development - the act of improving by renewing and restoring; or To develop (something) again, or To restore (buildings or neighborhoods, for example) to a better condition: redeveloped the waterfront.

**ARTICLE X  
GENERAL PROVISIONS**

Except as hereinafter provided the following shall generally apply:

**10-1 SCREENING, LIGHTING, AND SPACE**

(a) Protection Buffer:

In any business or commercial/industrial district, an operation not conducted within a building such as drive-in business, outdoor recreation, outdoor storage of materials, and outdoor servicing activities occurs shall be enclosed by a wall or fence as a protection buffer or adequate screening. In any district where reference is made requiring a protection buffer for a specified operation, said screening shall be a wall or fence of a solid appearance, shall be at least six (6) feet in height, and of a construction and design approved by the Planning Commission and/or a staggered double row of Evergreen plantings at least ten (10) feet in width which shall grow to at least ten (10) feet in height and spaced in a manner which after three (3) years will provide an impervious visual barrier. Said protection buffer shall be maintained by the owner of the property in order to conceal such areas or facilities from a residential district adjoining, facing, across a street, in the rear, or on the side of the principal building or use. *See also "Dumpsters, Trash Refuse and Recycling Containers,"* herein.

Every use in any district shall be conducted entirely within a completely enclosed structure, unless expressly exempted from the enclosure requirements of this Ordinance.

(b) Lighting:

Outdoor lighting, of all types, shall be directed as to reflect away from all residential dwellings and public rights-of-way.

(c) Administration and Enforcement:

The Code Enforcement Officer may cause the removal, replacement, repair, and/or correction at the owner's expense, any screening, lighting, and space improperly maintained.

**10-2 USE**

No building or land shall hereafter be used or occupied, no building or a part thereof be erected, constructed, moved, or altered, except in conformity with the regulations for the zoning district in which the development is to occur, except as otherwise provided herein.

It shall be the responsibility of the owner/developer to show proof of compliance with the requirements of this Ordinance.

**10-3 BUILDING HEIGHT**

No building shall hereafter be erected, constructed, or altered so as to exceed the height requirement specified in the regulations for the zoning district in which the development is to occur, except as otherwise provided herein.

**10-4 HEIGHT EXCEPTIONS**

The height requirement for the various districts shall not apply to church spires, belfries, cupolas, penthouses, or domes not used for human habitation, to chimneys, ventilators, skylights, water tanks, parapet walls, cornices, radio and television antennas, or necessary mechanical appurtenances usually carried above the level thereof, provided such features are limited to the height necessary for their proper functioning.

Mechanical equipment, chimneys, air conditioners, elevator penthouses, church spires and steeples, water towers, parapet walls and similar appurtenances are excluded from height restrictions. However, the exclusions apply only to those elements that are appurtenant to the structure. The excluded element shall not exceed the maximum height by more than fifteen (15) feet.

**10-5 FIRE HAZARDS**

Outside above ground tanks for the storage of gasoline, liquefied petroleum gas, oil, flammable liquids, or gases shall be restricted to the requirements set forth in this Ordinance and state regulations.

The storage, utilization, manufacture of solid materials, or products ranging from incombustible to moderate burning is permitted. The storage, utilization or manufacture of solid materials of products ranging from free or active burning to intense burning is permitted, provided the following condition is met:

- (a) Said materials or products shall be stored, utilized, or manufactured within completely enclosed buildings having incombustible exterior walls and protected throughout by an automatic fire extinguishing system. The storage, utilization, or manufacture of flammable liquids or gases which produce flammable or explosive vapors shall be permitted in accordance with the following table for the exclusive of storage of finished products in original sealed containers.

**10-6 TOTAL CAPACITY OF FLAMMABLE MATERIALS PERMITTED GALLONS\***

Industries Engaged in Storage and Distribution of Such Materials		Above Ground	Below Ground
(a)	Materials having a flash point above 190 degrees Fahrenheit (87.7878 Centigrade)	Prohibited	100,000
(b)	Materials having a flash point from and including 105 degrees Fahrenheit (40.5556 Centigrade) to and including 190 degrees Fahrenheit (87.7878 Centigrade)	Prohibited	40,000
(c)	Materials having a flash point below 105 degrees Fahrenheit (40.5556 Centigrade)	Prohibited	20,000
Industries Engaged in Utilization and Manufacture of Such Materials			
(d)	Materials having a flash point above 190 degrees Fahrenheit (87.7878 Centigrade)	10,000	50,000
(e)	Materials having a flash point from and including 105 degrees Fahrenheit (40.5556 Centigrade) to and including 190 degrees Fahrenheit (87.7878 Centigrade)	1,000	20,000
(f)	Materials having a flash point below 105 degrees Fahrenheit (40.5556 Centigrade)	500	10,000

\* When flammable gases are stored, utilized or manufactured and measured in cubic feet, the quantity in cubic feet, at S.T.P., permitted shall not exceed three hundred (300) times the quantities listed above.

**10-7 WATER POLLUTION**

The following shall apply:

(a) No development or operation shall discharge, cause to be discharged, liquid or solid waste into public waters unless it is in conformance with the provisions of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Permit of the City of Daphne, the Alabama Department of Environmental Management (ADEM), the Alabama State Board of Health Statutes and any regulations promulgated there under.

(b) The developer or operator shall be responsible for meeting established standards and upon request shall supply the City, County, State, Federal, and/or other permitting authority with the information necessary to determine compliance with these standards within ten (10) business days.

(c) Plans and specifications for proposed sewerage, industrial waste treatment, and disposal facilities shall be submitted to and approval obtained from the Baldwin County Health Department, Daphne Utilities or the appropriate permitting agency.

(d) The City of Daphne's Small Municipal Separate Storm Sewer System (MS4) General National Pollutant Discharge Elimination System (NPDES) Phase II permit-Number ALR 040039 00000002, and the MS4 Municipal Separate Storm Sewer System permit shall be adopted as a reference to address storm water discharge within the city limits.

~~(1) Discharge into the Daphne MS4 (Municipal Separate Storm Sewer System) shall be in compliance with authorized discharges of the National Pollutant Discharge Elimination System (NPDES) permit as provided in part I, Authorized Discharges.~~

~~(2)(1) All ADEM state NPDES permitted discharges within the City limits of Daphne shall may~~ be required to connect to the sanitary sewer for additional treatment to minimize the potential for pollutants entering the City of Daphne's MS4.

~~(3)(2)~~ No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water.

~~(4)(3)~~ The connection, use, maintenance or continued existence of illicit connections to the storm drain system is prohibited. This prohibition expressly includes, without limitation, illicit

connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection. A person, firm, corporation, entity or agent is considered to be in violation of the MS4 the Land Use Ordinance –~~Ordinance~~ if the person, firm, corporation, entity or agent connects a line conveying sewage or sewerage to the MS4, or allows such a connection to continue.

(5)(4) The commencement, conduct or continuance of any illegal discharge to the storm drain system is prohibited except as prescribed as follows:

- (a) Water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wetland flows, swimming pools (if dechlorinated-typically less than one PPM chlorine), fire fighting activities, and any other water source not containing pollutants.
- (b) Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.
- (c) Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of testing.

## 10-8 COMPLIANCE

The review of oil and gas exploration and production activities under the requirements of this Ordinance shall not duplicate the regulatory activities of the Alabama Department of Environmental Management, the U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, State Lands Division or the Alabama State Oil and Gas Board.

The Planning Commission shall permit oil or gas exploration and production in any zoning district following administrative review and assurance that all required federal and state permits have been obtained and that adequate environmental safeguards and guarantees required under the permits have been addressed.

**10-9 TRAFFIC IMPACT ANALYSIS**

A traffic impact analysis shall be required for proposed high density and high intensity developments. Said analysis shall be performed by a credentialed professional licensed to perform such service. The results and any corrective measures necessary shall be included as part of, and in addition to, the requirements for preliminary subdivision plat and/or site plan review and approval.

**10-10 WELL HEAD PROTECTION AREA (WHPA)**

The water supply protection district or the Well Head Protection Area (WHPA) District is created for the purpose of promoting the public health, safety, and welfare through the protection of public water supplies from the danger of water pollution and contamination in compliance with the Safe Drinking Water Act of 1974. Regulations within these areas are established to prevent water quality degradation due to pollutant loadings within aquifer recharge areas and within the watersheds of surface public water supplies.

**(a) Boundaries:**

The Well Head Protection Area (WHPA) is hereby established. The boundaries shall be amended in the same manner as any other zoning district permitted by the Land Use & Development Ordinance, and may be amended in accordance with the provisions of *Article 3, Amendments to the Zoning District Map*.

The boundaries of the WHPA are determined by the individual public utilities owning and operating public water wells and are based on their individual Source Water Assessment Plans and Well Head Protection Plans. The public water utilities include Daphne Utilities, Park City Water Authority, and Belforest Water Authority.

This district shall be in addition to and shall overlay all other zoning districts where it is applied, so that any parcel of land lying in such an overlay district shall lie in one or more other zoning districts provided for by the Land Use & Development Ordinance. The effect is to create a new district that has the characteristics and limitations of the underlying district, together with the characteristics and limitations of the overlying district.

**(b) Prohibitions:**

No use shall be hereafter established except in conformity with these regulations, except as otherwise provided herein. It is the responsibility of the developer/owner to show proof of compliance with the requirements.

The following uses are prohibited: manure spreading, animal processing facilities, junk yards, auto salvage yards, graveyards, cemeteries, wood preserving facilities, fertilizer and/or pesticide storage and/or production; any establishment for warehousing, production, processing, assembly, manufacture, preparation, compounding, cleaning, servicing, testing, or repair of materials, goods or products which generates, stores, treats, utilizes and/or disposes of a hazardous or toxic material or waste, as set forth in Title 40, Code of Federal Regulations, Parts 116.4 and 261.30 et seq., shall submit the following information with any application for a proposed development or use.

(c) Exceptions:

- (1) Written requests for uses not herein defined or not listed as either a permitted use or a prohibited use may be submitted to the Planning Commission. The Planning Commission shall review said request as per *Article 15, Site Plan Review*.
- (2) All requests shall be accompanied by an environmental assessment report that is prepared by a licensed, qualified engineer. Said report shall be forwarded to the applicable water utility for recommendation. Such recommendations shall be considered in the final decision of the Planning Commission.
- (3) Any exceptions granted shall be conditional and may include a requirement for environmental and safety monitoring consistent with local, state and federal requirements.

(d) Permitted Uses:

The following are considered permitted uses within the WHPA. Uses not listed below may or may not be permissible, depending upon the determination of Planning Commission as provided in *Section 10-10(b), Well Head Protection Area, Prohibitions*. Uses listed as prohibited, shall not be permitted.

- (1) Parks, provided there is a no on-site waste disposal or fuel storage tank facilities associated therewith;
- (2) Wildlife areas;
- (3) Non-motorized trails, such as biking, nature and fitness walks;

- (4) Municipally-sewered residential developments, free of flammable and combustible liquid underground storage tanks;
- (5) Agricultural uses in accordance with the Baldwin County Soil Conservation Department's Best Management Practices Guidelines;
- (6) Municipally-sewered business developments, except the following. The following uses may be considered by the Planning Commission through the exception process as outlined in Exceptions provided above.
  - (a) above-ground storage tanks;
  - (b) asphalt products manufacturing;
  - (c) automotive service and repair garages, body shops and painting;
  - (d) chemical storage, sale, processing and manufacturing plants;
  - (e) dry cleaning establishments;
  - (f) electronic circuit assembly plants;
  - (g) electroplating plants;
  - (h) exterminating shops;
  - (i) foundries and forge plants;
  - (j) industrial liquid waste storage areas;
  - (k) infiltration ponds;
  - (l) metal reduction and refinement plants;
  - (m) motor and machinery service and assembly shops;
  - (n) paint products manufacturing;
  - (o) petroleum products manufacturing;
  - (p) photographic studies including the development of film and pictures;
  - (q) plastics manufacturing;
  - (r) pulp and paper manufacturing;
  - (s) storage, manufacture, or disposal of toxic or hazardous materials;

- (t) underground petroleum, products storage tanks for industrial, commercial, residential or other uses;
  - (u) woodworking and wood products manufacturing.
- (e) Regulations Applying to WHPA:

In addition to the regulations applicable to the underlying zoning district or districts, the following regulations shall apply to all parcels located within the WHPA and shall be provided to supplement each applicable site development application. Such information shall be referred to the Community Development staff and the appropriate community water utility staff for review in accordance with the provisions of applicable laws and ordinances. When deemed appropriate, Environmental Programs Manager or the appropriate community water utility staff may furnish a copy of the application and supporting information to the Directors of the Alabama Department of Environmental Management, the Alabama State Department of Health, and other appropriate agencies for further review.

- (1) A listing of all toxic and hazardous materials and wastes that will be generated, utilized, stored, treated, and/or disposed on site;
- (2) A soils report describing the nature and characteristics of the soils covering the site;
- (3) A description of surface and groundwater characteristics of the site and the surrounding area within three hundred (300) feet of site boundaries;
- (4) A description of all spill prevention, containment, and leakage control measures proposed by the applicant, for all toxic and hazardous materials and wastes generated, utilized, stored, treated, and/or disposed of on the site, including an emergency spill response plan;
- (5) A letter from the Environmental Programs Manager of the City of Daphne, concurred with by the applicable water utility authority, that the proposed use complies with all applicable adopted laws, ordinance and regulations;
- (6) An inventory of all existing and proposed wells, septic tanks, injection wells, and similar facilities on the site, whether in use or not;
- (7) Any other proposed or existing activities on the site that might impact groundwater quality;

(8) A copy of any applicable permits under the National Pollutant Discharge Elimination System, Federal Wetlands regulations, or other provision of the Clean Water Act, or pursuant to the Endangered Species Act, National Environmental Policy Act, or similar legislation intended to address water pollution.

(f) Separation Distances:

The following setbacks shall be maintained and shall not be modified except by the Board of Zoning Adjustment.

**MINIMUM SEPARATION FROM A PUBLIC WELL**

Proposed Structure	Setback from Public Well
▪ Storm sewer drain	50'
▪ Sanitary sewer manhole, main, and/ connection	100'
▪ Sanitary sewer lift station or related equipment for transport and disposal of sanitary sewage	200'
▪ Septic system, tank or drain field receiving less than 8,000 gallons per day	500'
▪ Cemetery or stormwater drainage pond	500'
▪ Land application of municipal, commercial, or industrial waste; industrial, commercial, or municipal wastewater, lagoons or storage structures; manure stacks or storage structures; and septic tanks or soil absorption units receiving 8,000 gallons or more per day	1,000'
▪ Any solid waste storage, transportation, transfer, incineration, processing, one-time disposal, or small demolition facility; gasoline or fuel oil storage tanks; bulk fuel storage facilities and pesticide or fertilizer handling and storage facilities	1,200'
▪ Private Well	See "h" below

In the event that stormwater runoff is directed toward, or may enter, an opening in the ground that provides access to the groundwater table (e.g., well, sinkhole, etc.), the developer shall present a mitigation plan to ensure that no pollutants enter the groundwater table during construction. Additionally, the developer shall, in concert with the applicable community water utility and the Environmental Programs Manager, take steps to ensure that any such openings are protected from any future surface water infiltration. This may be accomplished by permanently closing such openings, or by taking other steps acceptable to the Planning Commission.

(g) Requirements for Existing Facilities:

Existing facilities are defined as those which may cause or threaten to cause environmental pollution within a well field's recharge area which include, but are not limited to facilities with underground storage tanks (U.S.T) facilities with hazardous waste permits granted by ADEM.

Existing facilities shall provide the following:

- (1) Copies of all federal, state and local facility operation approvals or certificates and ongoing environmental monitoring results to the Department of Community Development, Environmental Programs Manager and the public community water utility.
- (2) Additional environmental or safety structures / monitoring as deemed necessary by the Environmental Programs Manager, Department of Community Development, and the public community water utility which may include but is not limited to stormwater management and monitoring.
- (3) Replace equipment or expand in a manner that improves the existing environmental and safety technologies already in existence.
- (4) Shall have the responsibility of devising and filing with the Department of Community Development and the public community water utility a Contingency Plan satisfactory to the Environmental Programs Manager and utility for the immediate notification of City of Daphne and utility personnel in the event of an emergency or possible groundwater contamination.

(h) Private Wells:

- (1) It is the intent of this Ordinance to eliminate by attrition all private water wells located within the WHPA of the City and where a public community water system is available.
- (2) No private water well may be created for human consumption if a public community water system is available and has the capacity to serve the development.
- (3) No new private water wells for human consumption may be constructed within the WHPA. Private water wells for any purpose other than human consumption, including irrigation wells, must apply for a Private Well Construction Permit.
- (4) Any individual or entity proposing to construct a private water well outside of the WHPA but within the planning jurisdiction of the City,

must apply for and obtain a Private Well Construction permit from the Building Official. The community water utility will review the application and make a determination of the health or contamination hazard posed to the public water supply by the private water well and will provide written recommendation for approval or disapproval to the Building Official.

- (5) Determination of health or contamination hazards by Utility may be based on, but not limited to:
- (a) Depth and size of proposed private well;
  - (b) Water production design of proposed private well;
  - (c) Proximity to public water well;
  - (d) Quality of existing water supplies;
- (i) Enforcement:
- (1) In the event that an individual and/or facility causes the release of any contaminants which endanger the WHPA, the individual and/or entity responsible shall immediately stop the release and clean up the release to the satisfaction of the City, Utilities, State and Federal Regulatory Agencies.
  - (2) The individual/facility responsible for the contamination shall be responsible for all cleanup, and may include all of the following:
    - (a) City and/or Utility consultant fees for the oversight, review and documentation.
    - (b) The cost of City or Utility equipment employed.
  - (3) Following such release or discharge, the City may require additional testing, monitoring and/or bonds/securities.

**10-11 DUMPSTERS, TRASH REFUSE & RECYCLING CONTAINERS**

For any commercial, institutional, industrial or multi-family development there shall be provided and maintained properly enclosed trash/garbage disposal and recycle containers. All nonresidential uses utilizing city garbage containers shall enclose all refuse collection and storage areas in accordance with this subsection.

- (a) Such containers shall be located behind the front building line; and other such considerations shall be given to a location where the containers can be adequately screened from public view.
- (b) Trash/garbage disposal shall be set on concrete pads sized as recommended by the disposal company and screened on three (3) sides to fully screen all refuse containers from public view.
- (c) Walls shall be constructed of masonry materials that match the main colors and materials of the associated building they serve. Opaque gates, designed to complement the screen, shall be installed for access.
- (d) Any enclosure intended for screening dumpsters, refuse areas, or recycling containers that contains a compaction unit shall include a floor drain within the containment pad that is tied directly to the sanitary sewer system in accordance with the standard specifications for sanitary sewers.
- (e) Any enclosures provided for restaurants or other eating establishments shall be sized to accommodate the storage of grease barrels in addition to dumpsters and recycling containers.
- (f) To allow for dumpster gates to remain closed as often as possible, either a pedestrian door or a wall offset for pedestrian access shall be provided.
- (g) Screening shall not compromise safety by obstructing any required clear sight triangle, by blocking access to any above-ground, pad-mounted transformer (minimum clear distance required by the utility company shall be provided), nor by impeding or diverting the flow of water in any drainage way.

- (h) The minimum height for screening shall be that which is sufficient to visually separate the uses and shall also meet the following standards:
- (1) Fences used to screen dumpsters shall be at least two (2) feet higher than the container.
  - (2) Berms used for required screening shall be a minimum height of four (4) feet with a maximum slope of three to one (3:1). Berms in excess of four (4) feet shall have a maximum slope of four to one (4:1) measured from the lot line. Berms shall be landscaped and stabilized to prevent erosion.
  - (3) Shrubs used for required screening shall be evergreen; at least thirty (30) inches high when installed; spaced closely together so as to create a hedge, but not farther than five (5) feet on center; and be shrub species that shall attain an average normal growth height of five (5) feet to six (6) feet within four (4) years.
  - (4) Trees used for required screening shall be evergreen and at least six (6) feet in height at installation.

# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.3A**

### **List of Other Local Cities IDDE Ordinances**

**MCM 3 Illicit Discharge Detection and Elimination**  
**3.3.3A Other Local Illicit Discharge Ordinances**

<b>County of Municipality</b>	<b>Existing Illicit Discharge Ordinance or Requirements</b>
Baldwin County	Yes, requirements for zoned areas
City of Fairhope	None
City of Foley	Yes, Stand Alone Ordinance
City of Gulf Shores	None
City of Mobile	Yes, SW Requirements
City of Spanish Fort	None
City of Orange Beach	None

## Ordinance No. \_\_\_\_-11

### Illicit Discharges Ordinance

WHEREAS, illicit discharges to the storm drain system of the City of Foley pose a health and safety hazard to the citizens of Foley and shall be regulated by municipalities under federal and state laws from entering waters of the State.

BE IT ORDAINED BY the City Council of Foley, Alabama as follows:

**Section 1.** Article V entitled “Illicit Discharges Ordinance” is added to Chapter 6.5 entitled “Environment” of the Code of Ordinances of Foley, Alabama; and

**Section 2.** Section 6.5-99 entitled “Title”, Section 6.5-100 entitled “Jurisdiction”, Section 6.5-101 entitled “Purpose”, Section 6.5-102 entitled “Definitions”, Section 6.5-103 entitled “Applicability”, Section 6.5-104 entitled “Responsibility for Administration”, Section 6.5-105 entitled “Severability”, Section 6.5-106 entitled “Ultimate Responsibility”, Section 6.5-107 entitled “Discharge Prohibitions”, Section 6.5-108 entitled “Suspension of MS4 Access”, Section 6.5-109 entitled “Industrial or Construction Activity Discharges”, Section 6.5-110 entitled “Monitoring of Discharges”, Section 6.5-111 entitled “Requirements to Prevent, Control, and Reduce Storm Water Pollutants by the Use of Best Management Practices”, Section 6.5-112 entitled “Watercourse Protection”, Section 6.5-113 entitled “Notification of Spills”, Section 6.5-114 entitled “Enforcement”, Section 6.5-115 entitled “Appeal of Notice of Violation”, Section 6.5-116 entitled “Enforcement Measures After Appeal”, Section 6.5-117 entitled “Cost of Abatement of the Violation”, Section 6.5-118 entitled “Injunctive Relief”, Section 6.5-119 entitled “Appeal of Notice of Violation”, Section 6.5-120 entitled “Violations Deemed a Public Nuisance”, Section 6.5-121 entitled “Criminal Prosecution”, Section 6.5-122 entitled “Remedies Not Exclusive” of Article V, Chapter 6.5 entitled “Environment” of the Code of Ordinances of Foley, Alabama, which Sections are as follows:

**Sec. 6.5-99. Title**

This ordinance shall be known and called as the Illicit Discharges Ordinance.

**Sec. 6.5-100. Jurisdiction**

The provisions of this ordinance shall apply to all lands within the corporate limits of the City of Foley.

**Sec. 6.5-101. Purpose**

The purpose of this ordinance is to provide for the health, safety, and general welfare of the citizens of Foley through the regulation of non-storm water discharges to the storm drainage system to the maximum extent practicable as required by federal and state law. This ordinance establishes methods for controlling the introduction of pollutants into the municipal separate storm sewer system (MS4) in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) permit process. The objectives of this ordinance are:

1. To regulate the contribution of pollutants to the municipal separate storm sewer system (MS4) by stormwater discharges by any user
2. To prohibit Illicit Connections and Discharges to the municipal separate storm sewer system
3. To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this ordinance

**Sec. 6.5-102. Definitions**

For the purposes of this ordinance, the following shall mean:

*Authorized Enforcement Agency.* Environmental Manager, Code Enforcement Officer or their designee from the City of Foley designated to enforce this ordinance.

*Best Management Practices (BMPs).* Schedules of activities, prohibitions of practices, general good housekeeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

*Clean Water Act.* The federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.

*Construction Activity.* Activities subject to NPDES Construction Permits. Currently these include construction projects resulting in land disturbance of 1 acre or more. Such activities include but are not limited to clearing and grubbing, grading, excavating, and demolition.

*Hazardous Materials.* Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

*Illegal Discharge.* Any direct or indirect non-storm water discharge to the storm drain system, except as exempted in Section 6.5-107, Subsection A of this ordinance.

*Illicit Connections.* An illicit connection is defined as either of the following: Any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the storm drain system including but not limited to any conveyances which allow any non-storm water discharge including sewage, process wastewater, and wash water to enter the storm drain system and any connections to the storm drain system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency or, Any drain or conveyance connected from a commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

*Industrial Activity.* Activities subject to NPDES Industrial Permits as defined in 40 CFR, Section 122.26 (b)(14).

*National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Permit.* Means a permit issued by EPA (or by a State under authority delegated pursuant to 33 USC § 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

*Non-Storm Water Discharge.* Any discharge to the storm drain system that is not composed entirely of storm water.

*Person.* Means any individual, association, organization, partnership, firm, corporation or other entity recognized by law and acting as either the owner or as the owner's agent.

*Pollutant.* Anything which causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ordinances, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

*Premises.* Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips.

*Storm Drainage System.* Publicly-owned facilities by which storm water is collected and/or conveyed, including but not limited to any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins,

natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

*Storm Water.* Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

*Stormwater Pollution Prevention Plan.* A document which describes the Best Management Practices and activities to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions to eliminate or reduce pollutant discharges to Stormwater, Stormwater Conveyance Systems, and/or Receiving Waters to the Maximum Extent Practicable.

*Wastewater.* Any water or other liquid, other than uncontaminated storm water, discharged from a facility.

#### **Sec. 6.5-103. Applicability**

This ordinance shall apply to all water entering the storm drain system generated on any developed and undeveloped lands unless explicitly exempted by an authorized enforcement agency.

#### **Sec. 6.5-104. Responsibility for Administration**

The City of Foley shall administer, implement, and enforce the provisions of this ordinance. Any powers granted or duties imposed upon the authorized enforcement agency may be delegated in writing by the City to persons or entities acting in the beneficial interest of or in the employ of the agency.

#### **Sec. 6.5-105. Severability**

The provisions of this ordinance are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this Ordinance or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this Ordinance.

#### **Sec. 6.5-106. Ultimate Responsibility**

The standards set forth herein and promulgated pursuant to this ordinance are minimum standards; therefore this ordinance does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.

#### **Sec. 6.5-107. Discharge Prohibitions**

**A. Prohibition of Illegal Discharges.**

No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water.

The commencement, conduct or continuance of any illegal discharge to the storm drain system is prohibited except as described as follows:

1. The following discharges are exempt from discharge prohibitions established by this ordinance: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wetland flows, swimming pools, fire fighting activities, and any other water source not containing Pollutants.
2. Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.
3. Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of the test.
4. The prohibition shall not apply to any non-storm water discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the storm drain system.

**B. Prohibition of Illicit Connections.**

1. The construction, use, maintenance or continued existence of illicit connections to the storm drain system is prohibited.
2. A person is considered to be in violation of this ordinance if the person connects a line conveying sewage to the MS4, or allows such a connection to continue.

**Sec. 6.5-108. Suspension of MS4 Access**

**A. Suspension due to Illicit Discharges in Emergency Situations.**

The City of Foley may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4 or Waters of the United States. If the violator fails to comply with a suspension order issued in an emergency, the authorized enforcement agency may take such steps as deemed necessary to prevent or minimize damage to the MS4 or Waters of the United States, or to minimize danger to persons.

**B. Suspension due to the Detection of Illicit Discharge.**

Any person discharging to the MS4 in violation of this ordinance may have their MS4 access terminated if such termination would abate or reduce an illicit discharge. The authorized enforcement agency will notify a violator of the proposed termination of its MS4 access. The violator may petition the authorized enforcement agency for a reconsideration and hearing.

A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this Section, without the prior approval of the authorized enforcement agency.

**Sec. 6.5-109. Industrial or Construction Activity Discharges**

Any person subject to an industrial or construction activity NPDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the City of Foley prior to the allowing of discharges to the MS4.

**Sec. 6.5-110. Monitoring of Discharges**

**A. Applicability**

This section applies to all facilities that have storm water discharges associated with industrial activity, including construction activity.

**B. Access to Facilities.**

1. The City of Foley shall be permitted to enter and inspect facilities subject to regulation under this ordinance as often as may be necessary to determine compliance with this ordinance. If a discharger has security measures in force which require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized enforcement agency.

2. Facility operators shall allow the City of Foley ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge storm water, and the performance of any additional duties as defined by state and federal law.
3. The City of Foley shall have the right to set up on any permitted facility such devices as are necessary in the opinion of the authorized enforcement agency to conduct monitoring and/or sampling of the facility's storm water discharge.
4. The City of Foley has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater flow and quality shall be calibrated to ensure their accuracy.
5. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the City of Foley and shall not be replaced. The costs of clearing such access shall be borne by the operator.
6. Unreasonable delays in allowing the City of Foley access to a permitted facility is a violation of a storm water discharge permit and of this ordinance. A person who is the operator of a facility with a NPDES permit to discharge storm water associated with industrial activity commits an offense if the person denies the authorized enforcement agency reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this ordinance.
7. If the City of Foley has been refused access to any part of the premises from which stormwater is discharged, and he/she is able to demonstrate probable cause to believe that there may be a violation of this ordinance, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this ordinance or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the authorized enforcement agency may seek issuance of a search warrant from any court of competent jurisdiction.

**Sec. 6.5-111. Requirements to Prevent, Control, and Reduce Storm Water Pollutants by the Use of Best Management Practices**

The City of Foley has requirements within the Erosion & Sediment Control Ordinance that identifies Best Management Practices for any activity, operation, or facility which may cause or contribute to pollution or contamination of storm water, the storm drain system, or waters of the U.S. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the municipal storm drain system or watercourses through the use of these structural and non-structural BMPs. Further, any person responsible for a property or premise,

which is, or may be, the source of an illicit discharge, may be required to implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of storm water associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section. These BMPs shall be part of a stormwater pollution prevention plan (SWPPP) as necessary for compliance with requirements of the NPDES permit.

**Sec. 6.5-112. Watercourse Protection**

Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse.

**Sec. 6.5-113. Notification of Spills**

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into storm water, the storm drain system, or water of the U.S. said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the City of Foley within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.

**Sec. 6.5-114. Enforcement**

Whenever the City of Foley finds that a person has violated a prohibition or failed to meet a requirement of this Ordinance, the authorized enforcement agency may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

1. The performance of monitoring, analyses, and reporting;
2. The elimination of illicit connections or discharges;
3. That violating discharges, practices, or operations shall cease and desist;
4. The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property; and
5. Payment of a fine to cover administrative and remediation costs; and
6. The implementation of source control or treatment BMPs.

If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

**Sec. 6.5-115. Appeal of Notice of Violation**

Any person receiving a Notice of Violation may appeal the determination of the authorized enforcement agency. The notice of appeal must be received within 5 days from the date of the Notice of Violation. Hearing on the appeal before the City Council shall take place within 15 days from the date of receipt of the notice of appeal. The decision of the municipal authority or their designee shall be final.

**Sec. 6.5-116. Enforcement Measures after Appeal**

If the violation has not been corrected pursuant to the requirements set forth in the Notice of Violation, or, in the event of an appeal, within 10 days of the decision of the municipal authority upholding the decision of the authorized enforcement agency, then representatives of the authorized enforcement agency shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the government agency or designated contractor to enter upon the premises for the purposes set forth above.

**Sec. 6.5-117. Cost of Abatement of the Violation**

Within 10 days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may file a written protest objecting to the amount of the assessment within 5 days. If the amount due is not paid within a timely manner as determined by the decision of the municipal authority or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a lien on the property for the amount of the assessment. Any person violating any of the provisions of this article shall become liable to the city by reason of such violation. The liability shall be paid in not more than 12 equal payments. Interest at the rate of percent per annum shall be assessed on the balance beginning on the 1st day following discovery of the violation.

**Sec. 6.5-118. Injunctive Relief**

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Ordinance. If a person has violated or continues to violate the provisions of this ordinance, the authorized enforcement agency may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.

**Sec. 6.5-119. Appeal of Notice of Violation**

In lieu of enforcement proceedings, penalties, and remedies authorized by this Ordinance, the authorized enforcement agency may impose upon a violator alternative compensatory action, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.

**Sec. 6.5-120. Violations Deemed a Public Nuisance**

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Ordinance is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

**Sec. 6.5-121. Criminal Prosecution**

Any person that has violated or continues to violate this ordinance shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to a criminal penalty of \$100 dollars per violation per day and/or imprisonment for a period of time not to exceed 90 days.

The authorized enforcement agency may recover all attorneys' fees court costs and other expenses associated with enforcement of this ordinance, including sampling and monitoring expenses.

**Sec. 6.5-122. Remedies Not Exclusive**

The remedies listed in this ordinance are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

**Section 3.** "The terms and provisions of this ordinance are severable. If any part or portion of this ordinance is declared invalid, void, or unconstitutional, that portion shall be deemed severed, and the remaining portions of the ordinance shall remain in full force and effect."

**Section 4.** All ordinances or parts of ordinances, in any manner conflicting herewith are hereby repealed.

**Section 5.** This ordinance shall become effective upon its publication as required by law.

ADOPTED AND APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
John E. Koniar, Mayor

ATTEST:

\_\_\_\_\_  
Vickey Southern, CMC  
City Clerk

"I certify that the foregoing Ordinance was published in the Foley Onlooker, a newspaper of general circulation in the City of Foley, in its issue of \_\_\_\_\_"

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Vickey Southern, CMC  
City Clerk

DIVISION 1. - GENERAL

*DIVISION 1. - GENERAL*

**Sec. 17-1. - Statement of purpose.**

It is the purpose of this article to control land disturbance activities and stormwater drainage facilities within the corporate limits of the city in order to promote the public health, safety and general welfare, and to comply with the Federal Clean Water Act, the national pollution discharge elimination system (NPDES) program to meet its stormwater discharge permit requirements, the Alabama Coastal Consistency Program, and Federal Emergency Management Agency (FEMA) requirements to reduce flooding through provisions designed to:

- (1) Protect human life and health;
- (2) Protect the natural assets and resources of the city;
- (3) Protect the lands and waters of the city from the effects of soil erosion and sedimentation;
- (4) Prevent and reduce degradation of streams and lakes from the effects of siltation;
- (5) Prevent obstruction of drainage channels, reduce flood damage and prevent damage to the property of adjacent land owners;
- (6) Reduce expenditures of public money for stormwater management and flood control projects;
- (7) Reduce the need for rescue and relief efforts associated with flooding;
- (8) Provide for the sound use and development of flood prone areas so as to maximize beneficial use without increasing flood hazard potential;
- (9) Reduce damage to public facilities and utilities such as water and sewer lines, electric, telephone and gas facilities, and streets and bridges located in floodplains;
- (10) Ensure a functional stormwater drainage system that will not result in excessive maintenance costs;
- (11) Encourage the improvement of existing flooding problems in conjunction with new development;
- (12) Encourage the use of natural and aesthetically pleasing design;
- (13) Reduce the impact on public and private lands caused by the accumulation of mud, dirt, water, debris and other construction materials.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-2. - Definitions.**

Words used in this article shall have their customary meanings as determined by the standard dictionary definition except for the purposes of this chapter, the following specific words and terms used herein shall be interpreted as follows:

*ADEM* means the Alabama Department of Environmental Management or its successor agency.

*Adverse impact* means a negative effect to land, water and associated resources resulting from any land disturbing activity. Negative effects include, but are not limited to, increased risk of flooding, degradation of water quality, increased sedimentation, reduced groundwater recharge, harm to aquatic organisms, wildlife or other resources and/or threatened public health.

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ARTICLE I. - STORMWATER MANAGEMENT AND FLOOD CONTROL

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*Applicant* means a person (as defined herein below) who executes the necessary forms and submits the necessary supporting documentation for consideration by the city for a permit to conduct a land disturbing activity.

*Approved drainage system* means that which was approved for construction and permitted by the urban development department. Does not include stormwater piping within the city's right-of-way.

*As-built plans or record documents* means a set of engineering site drawings that delineate a specific permitted stormwater management facility or system as actually constructed.

*Base flood* means the flood having a one (1) percent chance of being equaled or exceeded in any given year.

*Best management practices* encompass a wide range of methods and procedures to control the addition of pollutants to the environment through the application of the best available non-point pollution control technologies, processes, siting criteria, operating methods or other alternative methods, such as, but not limited to, schedules of activities, prohibitions and other procedures which have been demonstrated to effectively control the quality and/or quantity of stormwater runoff and which are compatible with the planned land use.

*Building permit* means an official document or certificate issued by the city urban development department that authorizes performance of a specific activity relating to constructing, reconstructing, enlarging, extending, or structurally altering any building or structure, including interior alterations.

*Certificate of occupancy* means an official document, issued by the city urban development department, that certifies completion of a permitted structure in accordance with the provisions of established codes and other laws that are enforced by City Code administration officials or others as established by law.

*City* means the City of Mobile, Alabama.

*City Council* means the city council of the City of Mobile, Alabama.

*City engineer* means the director of stormwater and floodplain management, and city engineering, or his designee

*Clearing* means those operations where trees and vegetation are removed (cut) and stumps left in place, but not including grading or any other activity that would alter the existing elevation contours of the cleared property.

*Consultant* means a licensed or registered professional who provides technical services.

*Contractor* means a person or his designee who is responsible for construction activities.

*Detention structure* means a permanent stormwater management facility whose primary purpose is to temporarily store stormwater runoff and release it at a controlled rate. Typically, an above ground pond, underground piping system, or other means of storage, and an outfall structure.

*Develop land* means to change the stormwater drainage characteristics of a parcel of land.

*Developer* means a person who undertakes or benefits from land disturbing activities covered by these regulations.

*Development* means any manmade change to improved or unimproved real estate, including, but not limited to, buildings or other structures, mining, dredging, filling, grading, paving, excavation, drilling operations and storage of equipment or materials.

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*Diameter at breast height (DBH)* means the measurement of the width of the trunk of the tree at four and one-half (4½) feet above the existing grade. For multitrunk trees the DBH shall be the sum of the diameter of the trunks.

*Director of urban development* means the director of the city department responsible for administration of the land use code of the city or his/her designee.

*Drainage area* means that area contributing runoff to a single point.

*Dwelling, one-family* means a non-commercial, individual and separately built structure designed and constructed exclusively for use by one (1) family for residential purposes.

*Easement* means an interest in land granted by the owner or his predecessor for a specific limited use, purpose or purposes, (which is described in the conveyance of the land affected by such easement), but not conveying title to real property.

*Engineer* means a person licensed under Alabama Code, Section 34-11-1 et seq. (1975), as amended.

*Erosion* means the wearing away of land surface by the action of wind, water, gravity, ice, or any combination of those forces.

*Erosion and sediment control* means the control of solid material, both mineral and organic, during a land disturbing activity to prevent its transport out of the disturbed area by means of air, water, ice, gravity or mechanical means (see *best management practices*).

*FEMA* means the Federal Emergency Management Agency.

*Flood control structure* means the same as *detention/retention structure*.

*Floodway (regulatory floodway)* means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one (1) foot.

*Floodplain* means a special flood hazard area.

*Grading* means excavating, filling (including hydraulic fill) or stockpiling of earth material, (or any combination thereof), including the land in its excavated or filled condition.

*Grubbing* means the effective removal of understory vegetation such as, but not limited to, palmetto from the site and/or the removal of stumps and roots from a cleared parcel of land.

*Heritage live oak tree* means a live oak tree which is at least twenty-four (24) inches DBH.

*Heritage tree* means any of the following list of trees which is at least twelve (12) inches DBH: oak (excluding water oak and scrub oak), hickory, sycamore, yellow poplar, sweet gum, magnolia, cypress and new trees required by section 64-4.E or section 64-4.H.4.f. of [chapter 64](#), Mobile City Code.

*Historic structure* means any structure that is:

- (1) Listed individually in the National Register of Historic Places (a listing maintained by the department of interior) or preliminarily determined by the secretary of the interior as meeting the requirements for individual listing on the National Register.
- (2) Certified or preliminarily determined by the secretary of the interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the secretary to qualify as a registered historic district.
- (3) Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the secretary to qualify as a registered historic district.

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- (4) Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
- a. By an approved state program as determined by the secretary of the interior, or
  - b. Directly by the secretary of the interior in states without approved programs.

*Illicit connection* means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

*Illicit discharge* means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from fire fighting activities.

*Infiltration* means the passage or movement of water through the soil profile.

*Land disturbance permit* means an official document issued by the urban development department which authorizes performance of a specific activity relating to excavating, filling, grading, clearing, grubbing or other land disturbing activity in a specific area within a designated time frame.

*Land disturbance permit application* means a set of drawings, documents and supporting calculations containing the information and specifications required by the city submitted as a prerequisite to obtaining a permit to undertake a land disturbing activity.

*Land disturbing activity* means any activity upon or use of land involving a change in the natural vegetative cover or topography including but not limited to clearing, grading, excavation, and filling, or other construction activities that may cause erosion or contribute to sedimentation or alteration of the quality and quantity of stormwater runoff.

*MS4* means the city municipal separate storm sewer system.

*Municipal offense ticket* means a summons charging a violation of this article that directs anyone in violation to appear in municipal court to answer the charge or charges of violation, or to pay the prescribed fine.

*Municipal separate storm sewer system* shall have the same meaning as defined in the city's national pollutant discharge elimination system permit.

*NPDES* means the national pollutant discharge elimination system of the Federal Clean Water Act.

*NPDES permit* means the permit issued to the city by the state department of environmental management authorizing all existing or new stormwater point source discharges to waters of the state from those portions of the MS4 owned or operated by the city.

*National pollutant discharge elimination system* means a permit program authorized by the Federal Water Pollution Control Act (Clean Water Act) to regulate point sources that discharge pollutants into waters of the United States and which is administered in the state by the state department of environmental management (ADEM).

*Non-erodible* means a material, e.g., natural rock, riprap, concrete, plastic, etc., that will not experience noticeable surface wear due to natural forces of wind, water, ice, gravity or a combination of those forces.

*Non-point source pollution* means any source of water pollution that does not meet the legal definition of "point source" pollution in section 502(14) of the Clean Water Act. This usually includes materials contained in stormwater runoff from ill-defined, diffuse sources.

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*One hundred-year frequency storm* means a storm that is capable of producing rainfall expected to be equaled or exceeded on the average of once in one hundred (100) years. It also may be expressed as a probability of a one (1) percent chance of being equaled or exceeded in any given year.

*Overbank storage* means the capacity of floodplain lands to receive, slow and retain above normal rainfall waters from an overloaded river, creek, stream or ditch.

*Overstory* means the top portion or canopy of trees above a cluster of smaller trees.

*Owner* means a person holding legal title to the land.

*Permittee* means a person to whom a building permit, land disturbance permit or other type permit has been issued and who is obligated to comply with the terms and conditions of the permit.

*Person* means any individual, firm, partnership, corporation, company, LLC, association, trust or any other group or combination of individuals operating as a unit and including any trustee, receiver, assignee or other similar representative thereof.

*Pollutant* shall have the same meaning as defined in the city's national pollutant discharge elimination system permit.

*Post-development* means the conditions which exist following completion of a land disturbing activity in terms of topography, vegetation, land use, construction, and the rate, volume, velocity, quality or direction of stormwater runoff.

*Pre-development* means the conditions which exist prior to the initiation of a land disturbing activity in terms of topography, vegetation, land use, construction, and the rate, volume, velocity, quality or direction of stormwater runoff.

*Redevelopment* means a land disturbance activity that in some way changes or alters the current development or use of the land and may or may not alter the current runoff characteristics.

*Retention structure* means a permanent enclosure, lake, pond or other system with the primary purpose of permanently storing a given volume of stormwater runoff, and which may temporarily detain an additional volume of stormwater runoff for release at a controlled rate. (Typically, an above ground pond, underground piping system or other means of storage, and an outfall structure.)

*Sediment* means solid particulate matter, both mineral and organic, that has been or is being transported by water, wind, ice, gravity, or mechanical means from its site of origin.

*Special flood hazard area* means those areas identified by the Federal Emergency Management Agency (FEMA) in its flood insurance study (FIS) dated July 6, 1998, with accompanying maps and other supporting data and any revision thereto. Areas of special flood hazard may also include those areas known to have flooded historically or defined through standard engineering analysis by governmental agencies or private parties but not yet incorporated in a flood insurance study.

*Stabilization* means the installation of structural measures or soil cover to reduce soil erosion by stormwater runoff, wind, ice, gravity, or mechanical means.

*State* means State of Alabama.

*Stop work order* means a directive issued by the city to any person who owns or possesses the land or who is performing or may be responsible for a land disturbing activity to cease and desist all or any portion of the activity.

*Storm drainage facility* means any sewer, ditch, creek, river, lake, swale, watercourse or any other natural or manmade facility through which stormwater or storm runoff may regularly or intermittently pass in a concentrated fashion.

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*Stormwater detention* means stormwater runoff collected, temporarily stored and released at a rate less than the inflow rate.

*Stormwater management* means, for:

- (1) Quantitative control, a system of vegetative or structural measures, or both, that controls the increases in volume and rate of stormwater runoff caused by manmade changes to the land, and
- (2) Qualitative control, a system of vegetative, structural or other measures that reduces or eliminates pollutants that might otherwise be carried by stormwater runoff.

*Stormwater runoff* means the direct response of a watershed to precipitation and includes the surface and subsurface runoff that enters a ditch, stream, storm sewer or other concentrated flow during and following the precipitation.

*Subdivision* means the division of a lot, tract or parcel of land into two (2) or more lots, plats, sites or other divisions of land for the purpose, whether immediate or future, of sale or of building development. This definition includes a resubdivision and, when appropriate to the context, relates to the process of subdividing or to the land or territories subdivided.

*Ten-year frequency storm* means a storm that is capable of producing rainfall expected to be equaled or exceeded on the average of once in ten (10) years. It may also be expressed as a probability of a ten (10) percent chance of being equaled or exceeded in any given year.

*Twenty-five-year frequency storm* means a storm that is capable of producing rainfall expected to be equaled or exceeded on the average of once in twenty-five (25) years. It also may be expressed as a probability of a four (4) percent chance of being equaled or exceeded in any given year.

*Two-year frequency storm* means a storm that is capable of producing rainfall expected to be equaled or exceeded on the average of once in two (2) years. It may also be expressed as a probability of a fifty (50) percent chance of being equaled or exceeded in any given year.

*Understory* means the trees which grow beneath the overstory to include dogwood, crepe myrtles, Bradford pears, red buds and others approved by the urban forester.

*Unsuitable material* means trash, debris, car bodies, asphalt or other refuse.

*Variance* means a modification of minimum stormwater management requirements in specific cases where such modification will not be contrary to the public interest and where, owing to exceptional circumstances, literal enforcement of the provisions of this article will result in unnecessary hardship.

*Waters of the United States* shall have the same meaning as defined in the city's national pollutant discharge elimination system permit.

*Waters of the state* shall have the same meaning as defined in the city's national pollutant discharge elimination system permit.

*Water quality* means those characteristics of stormwater runoff that relate to the physical, chemical, biological, or radiological integrity of water.

*Water quantity* means the volume and velocity characteristics of stormwater runoff from a land disturbing activity to downstream areas.

*Watershed* means the drainage area contributing stormwater runoff to a single point.

*Zoning ordinance* shall mean the zoning ordinance of the city.

(Ord. No. 65-007-2009, 3-10-09)

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**Sec. 17-3. - General provisions.**

- (a) *Applicability.* This article shall apply to all areas within the jurisdiction of the city.
- (b) *Jurisdiction.* The regulations and requirements set forth in this article shall apply to all property within the corporate limits of the city.
- (c) *Compliance.* No structure or land shall hereafter be located, extended, converted or structurally altered without full compliance with the terms of this article and other applicable regulations.
- (d) *Abrogation and greater restrictions.* This article is not intended to repeal, abrogate or impair any existing easements, covenants, or deed restrictions. However, where this article and another conflict or overlap, whichever imposes the more stringent restrictions shall prevail.
- (e) *Interpretation.* In their interpretation and application, the provisions of this article shall constitute minimum requirements and shall be liberally construed in favor of the governing body and shall not be deemed a limitation or repeal of any other powers granted by city ordinances.
- (f) *Severability.* If any section, clause, provision or portion of this article is adjudged unconstitutional or invalid by a court of competent jurisdiction, the remainder of this article shall not be affected thereby.
- (g) *Penalties for violation.* Violation of the provisions of this article, or failure to remedy a problem created by a violation of this article, or failure to initiate a remedy or continue toward completion of a remedy of a problem created by a violation of this article, including violation of conditions and safeguards established in connection with grants of variance or special exceptions, shall be punished by a fine of one hundred dollars (\$100.00) per occurrence. Any person who violates the provisions of this article or fails to comply with any of its requirements shall, upon conviction thereof, be fined not more than five hundred dollars (\$500.00) or imprisoned for not more than thirty (30) days, or both, be required to correct damages to the city's stormwater drainage system (MS4) arising from the violation or to reimburse the city for its cost in making said corrections, and in addition, shall pay all costs and expenses involved in the case. Each day that such violation continues may be considered a separate offense. Nothing herein contained shall prevent the city from taking such other lawful actions as is necessary to prevent or remedy any action and pass its costs against the person in violation of this article.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-4. - City national pollutant discharge elimination system (NPDES) municipal separate storm sewer system (MS4) permit adopted by reference.**

- (a) The city's NPDES permit (permit number AL000002) dated September 24, 2001, or its successor document is hereby adopted and made a part of this article by reference.
- (b) Discharges into the city's MS4 shall be in compliance with part I, paragraph (authorized discharges) of the city's NPDES permit.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-5. - Establishment of development permit.**

A development permit shall be required in conformance with the provisions of this article prior to the commencement of any development activities.

(Ord. No. 65-007-2009, 3-10-09)

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**Sec. 17-6. - Permits.**

(a) *Land disturbance permit.* A permit from the director of urban development is required for any land disturbing activity within the city unless exempted. Land disturbance permits expire upon completion of the work authorized or not later than one (1) year from the date of issuance, whichever shall first occur. Permittee may be granted an extension, at no additional cost, by contacting the urban development department in writing. Disturbed property may not remain denuded longer than sixty (60) days without establishing vegetation or the application of suitable ground cover for the control of erosion and sedimentation. Specific requirements for obtaining a land disturbance permit include:

- (1) Approval of the related site grading and drainage plan and or subdivision construction plans by the city engineer;
- (2) Compliance with all regulations (including federal and state) and approval from the city urban development and traffic engineering departments;
- (3) Documentation that all necessary permits have been received from governmental agencies from which approval is required by law; and
- (4) Compliance with division 2, sections [17-25](#) through [17-29](#)

*Exemptions.* Activities for which a land disturbance permit will not be required:

- (1) Building operations less than four thousand (4,000) square feet which will not have any land disturbing activity apart from the building area;
- (2) Minor land disturbing activities such as gardens;
- (3) Construction and maintenance of above ground public utility lines;
- (4) Individual landscaping, minor home repairs, or maintenance work;
- (5) Individual non-commercial tracts of land less than seven thousand five hundred (7,500) square feet;
- (6) Emergency repairs;
- (7) Agricultural operations; and
- (8) Single family residences separately built where the residence, including driveways and other improvements, does not increase the impervious surface area more than four thousand (4,000) square feet of land surface area. However, the builder will be required to install silt barriers and use erosion control procedures as necessary to prevent erosion of dirt, rock debris, and building materials onto public or private property and into drainage systems and streets and comply with the city's litter ordinance.

(b) *Building permit* A permit from the director of the urban development department is required to erect, construct, reconstruct, enlarge, extend or structurally alter any building or structure, including interior alterations, within the city. Specific requirements for obtaining a building permit include:

- (1) An approved land disturbance permit authorized by the city's engineering department and urban development department and approval of the city's traffic engineering department;
- (2) A permit application in compliance with all flood plain requirements as set forth in this section and division 2 of this article;
- (3) Satisfactory evidence that permits have been received from those governmental agencies from which approval is required by federal or state law; and

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- (4) Plans for building structures in compliance with all applicable building codes, policies and regulations of the urban development department.
- (c) *Clearing and grubbing.*
- (1) A land disturbance permit from the director of urban development is required for timber harvesting operations that involve construction of access roads, stump/root removal, earthwork or cutting undergrowth.
- (2) A timber harvesting permit from the urban forestry department is required for harvesting operations that involve cutting or harvesting trees without constructing access roads, stump/root removal, earthwork or cutting undergrowth, but a land disturbance permit will not be required.
- (3) A land disturbance permit from the director of urban development is required, without exemption or exception, for clearing and/or grubbing operations in special flood hazard areas.
- (4) A land disturbance permit is not required for clearing and/or grubbing private residential property associated with construction of a residential structure.
- (5) A land disturbance permit is not required for clearing and/or grubbing less than one (1) acre of private residential property not associated with construction of a residential structure unless the property is located within a special flood hazard area.
- (6) A land disturbance permit from the director of urban development is required for clearing and/or grubbing one (1) acre or more within city limits.
- (7) Other obligations. All clearing and/or grubbing activities, whether permitted or exempt from permitting, shall:
- Observe erosion and sedimentation control requirements found in this article; or
  - Obtain all other necessary permits, licenses and authority and to pay all fees required by any other city, county, state, or federal rules, laws or regulation.
  - Comply with all requirements to preserve and protect trees.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-7. - Permit procedures.**

Application for a development permit shall be made to the director of urban development on forms furnished by him/her prior to any development activities. These applications may include, but are not limited to:

- (1) *Application stage.*
- Elevation in relation to mean sea level of the proposed lowest floor (including basement) of all buildings;
  - Elevation in relation to mean sea level to which any nonresidential building will be flood-proofed;
  - Certificate from a licensed professional engineer or registered architect that the non-residential flood-proofed criteria in [section 17-27\(4\)](#) has been met;
  - Description of the extent to which any watercourse will be altered or relocated as result of proposed development; and

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- (2) *Construction stage.* Provide a floor elevation or flood-proofing certification after the lowest floor is completed, or in instances where the building is subject to the regulations applicable to coastal high hazard areas, after placement of the horizontal structural members of the lowest floor. Upon placement of the lowest floor, or flood-proofing by whatever construction means, or upon placement of the horizontal structural members of the lowest floor, whichever is applicable, it shall be the duty of the permit holder to submit to the director of urban development, a certification of the elevation of the lowest floor, flood-proofed elevation, or the elevation of the lowest portion of the horizontal structural members of the lowest floor, whichever is applicable, as built, in relation to mean sea level. Said certification shall be prepared by or under the direct supervision of a registered land surveyor or professional engineer and certified by same. When flood-proofing is utilized for a particular building, said certification shall be prepared by or under the direct supervision of a professional engineer or architect and certified by same. Any work undertaken prior to submission of the certification shall be at the permit holder's risk. Deficiencies detected by such review shall be corrected by the permit holder immediately and prior to further progressive work being permitted to proceed. Failure to submit the survey or failure to make said corrections required hereby, shall be cause to issue a stop-work order for the project.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-8. - Designation of administrator.**

The city engineer is hereby appointed to administer and implement the provisions of this article in coordination with the director of urban development who will administer and enforce any portion of this article as it applies to building permitting and land use.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-9. - Authority of the city engineer.**

- (a) The city engineer may establish written regulations and technical guidelines (and any amendments thereto) as may be necessary to enforce the terms of this article relative to land disturbing activities and stormwater management.
- (b) Any exemption authorized by the city engineer under such regulations shall not be construed as relieving the party responsible for the identified activity from making on-site drainage improvements that may be required or from compliance with the zoning ordinance of the city or any other applicable laws or regulations.
- (c) The city engineer is authorized to administer this article, including, but not limited to the following:
- (1) Review all development permits to assure that the permit requirements of this article have been satisfied;
  - (2) Review proposed development to assure that all necessary permits have been received from governmental agencies from which approval is required by federal or state law, including section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1334. Require that copies of such permits be provided and maintained on file.
  - (3) When base flood elevation data or floodway data have not been provided in accordance with [section 17-22](#), then the city engineer shall obtain, review and reasonably utilize any base flood elevation and floodway data available from a federal, state or other source, in order to administer the provisions of sections [17-25](#) through [17-29](#)

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- (4) Notify adjacent communities and the state department of natural resources prior to any alteration or relocation of a watercourse and submit evidence of such notification to the Federal Emergency Management Agency (FEMA), and the Alabama Emergency Management Agency (AEMA).
- (5) For any altered or relocated watercourse, submit engineering data/analysis within six (6) months to the FEMA and AEMA to ensure accuracy of community flood maps through the letter of map revision process. Assure flood carrying capacity of any altered or relocated watercourse is maintained.
- (6) Where interpretation is needed as to the exact location of the areas of special flood hazard (for example, where there appears to be a conflict between a mapped boundary and actual filed conditions) the city engineer shall make the necessary interpretation. Any person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in this division.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-10. - Reserved.**

**Sec. 17-11. - Authority of the director of urban development.**

The director of urban development is authorized to administer this article, including but not limited to the following:

- (1) Verify and record the actual elevation in relation to mean sea level or highest adjacent grade of the regulatory floor level, including basement, of all new construction or substantially improved structures in accordance with [section 17-7\(b\)](#).
- (2) Verify and record the actual elevation in relation to mean sea level to which any new or substantially improved structures have been flood proofed, in accordance with [section 17-26](#) and [17-28](#)
- (3) When flood-proofing is utilized for a structure, the director of urban development shall obtain certification of design criteria from a licensed professional engineer or registered architect, in accordance with [section 17-7\(a\)\(3\)](#) and [17-27\(d\)](#).
- (4) Obtain design certification from a licensed professional engineer or registered architect that any new construction or substantial improvement placed in a coastal high hazard area will meet the criteria of [section 17-29\(e\)](#). All records pertaining to the provisions this article shall be maintained in the office of the director of urban development and shall be open for public inspection.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-12. - Site grading and drainage plans for commercial, residential and subdivision construction.**

- (a) Plans, standards, design criteria and other specifications for commercial, residential and subdivision construction site grading and drainage, hereinafter in this article sometimes referred to as "the plan" or "plans." Must be submitted to the city by all applicants for land disturbance and development permits.

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- (b) Plans shall be accompanied by sufficient engineering calculations for verification of discharge of stormwater runoff and location and methods for erosion and sedimentation control.
- (c) Plans and supporting documentation shall be certified by a registered professional engineer that;
  - (1) The plans provide for proper drainage of the project according to sound engineering principles; and
  - (2) The post-development runoff rate does not exceed the pre-development runoff rate.
- (d) All data, engineering computations and plans submitted to the city shall be signed and sealed by a professional engineer licensed by the state.
- (e) No construction, whether by private or public action, shall be performed in such a manner as to increase the degree or potential for flooding in its vicinity or in other areas whether by increasing runoff volume or velocity or by diminishing channel or overbank storage capacity.
- (f) The plan shall include provisions for a design that will not cause the pre-development peak runoff rate from a ten-year storm to increase.
- (g) The plan shall provide stormwater detention/retention storage and/or channel improvement and/or other adequate measures as required by applicable design criteria adopted by the city and other specifications for the preparation of site grading and drainage plans.
- (h) An erosion and sedimentation control plan will be required for all submittals unless exempted by the city engineer.
- (i) Plans for development sites of four thousand (4,000) square feet or more shall not allow stormwater which has been diverted from its predevelopment natural flow to cross adjoining property lines unless;
  - (1) a. Stormwaters drain into the city drainage system or a natural stream; and
  - b. Stormwaters do not cause the pre-development peak runoff rate to increase; and
  - c. The plan limits discharge to the pre-development flow from a ten-year frequency storm; or
  - (2) a. A release is obtained from the owner of the adjoining property that releases the city from any claims arising from upstream development, runs with the land, and is recorded in the records of the probate court of the county; and
  - b. Stormwaters do not cause the pre-development peak runoff rate to increase; and
  - c. The plan limits discharge to the pre-development flow from a ten-year frequency storm; or
  - (3) a. The plan design provides for retention for a one hundred-year frequency storm; and
  - b. The plan limits discharge to the pre-development flow from a two-year frequency storm; and
  - c. The engineer of record quantifies the pre-development velocity (feet/second) for a two-year frequency storm and certifies that the post-development velocity of stormwater released onto the adjacent property is equal to or less than the predevelopment velocity.
- (j) The operation and maintenance of the stormwater detention/retention facility shall be the responsibility of the owner/developer. The engineer of record shall be responsible for instructing the owner/developer in the proper operation and maintenance of the facility.
- (k) The city assumes no liability for the design, performance and operation of any stormwater detention/retention facilities and in its review of plans relies on the professional judgment of the engineer of record.

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- (l) Development sites that are less than four thousand (4,000) square feet are exempt from the requirements of subsection (i) above; provided, however, that a development site may not be divided into parts of less than four thousand (4,000) square feet for the purpose of avoiding the requirements of subsection (i).
- (m) No plan shall contain a design that allows stormwater to flow across public rights-of-way unless authorized by the city engineer.
- (n) All construction plans will be required to comply with FEMA floodplain regulations as specified in division 2 of this article.
- (o) As-built certification. A state licensed professional engineer must submit to the city engineer a letter certifying that all site construction, street construction, drainage facilities, erosion and sedimentation control measures, and their improvements are complete and functioning as required by the appropriate regulations and approved permits and plans.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-13. - Amendments.**

This article may be amended in the same manner as prescribed by law for its original adoption.

(Ord. No. 65-007-2009, 3-10-09)

**Sec 17-14. - Relationship with other laws, regulations, and ordinances.**

Whenever the provisions of this article impose more restrictive standards than are required in or under any other law, regulation, or ordinance, the requirements herein contained shall prevail. Whenever the provisions of any other law, regulation, or ordinance require more restrictive standards than are required herein, the requirements of such law, regulation, or ordinance shall prevail.

(Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-15. - Prohibited activities and exemptions.**

- (a) *Prohibited activities*: In addition to the prohibited activities set out in [section 17-16](#), it shall constitute a violation of this article for a person or persons to undertake any of the following activities:
  - (1) Engaging in a land disturbing activity without first obtaining a land disturbance permit unless exempt under subsection [17-15\(b\)](#) of this article, or failing to comply with an approved permit's conditions and limitations.
  - (2) Constructing, reconstructing, erecting, enlarging, extending or structurally altering, including interior alterations, a building or structure without first obtaining a building permit or permits as required by this and other applicable laws and ordinances, or failing to comply with an approved building permit's conditions and limitations, or occupying the permitted structure without having first obtained a certificate of occupancy from the city urban development department.
  - (3) Violating any provision of the city's NPDES permit conditions or requirements.
  - (4) Violating ADEM Administrative Code [Division 8](#) Coastal Program regulations.

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- (5) Causing or increasing flow restrictions, or causing an increase in stormwater runoff volume or velocity, or diminishing channel or overbank storage capacity of any part, section or element of the city's MS4.
  - (6) Clearing, grubbing, grading, filling or altering the natural vegetation within a special flood hazard area of the city without first obtaining a land disturbance permit.
  - (7) Establishing, using or maintaining an illicit connection to the city's MS4.
  - (8) Throwing, depositing, placing, leaving, maintaining, keeping or permitting to be thrown, any refuse, rubbish, garbage, or other discarded or abandoned objects, articles or accumulations, in or upon any street, alley, sidewalk, storm drain, inlet, catch basin, conduit or drainage structure, business place, or upon any public or private plot of land in the city, so that the same might be or become a pollutant, except in containers, in recycling bags, or at lawfully established waste disposal facilities.
  - (9) Disposing of leaves, dirt or other landscape debris into the city MS4 or causing leaves, dirt, or other debris to be deposited in or upon a street, alley, sidewalk, parkway, or other public right-of-way.
  - (10) Conducting any industrial activity within the city without obtaining all permits required by state or federal law, including a NPDES general industrial activity stormwater permit when required.
  - (11) Discharging, depositing, placing or releasing unsuitable material or material containing toxic pollutants in toxic amounts as defined by section 307 of the Clean Water Act into waters of the United States.
  - (12) Discharging dredged or fill material into waters of the United States that results in permanent, above grade fills within the floodway of the one hundred-year floodplain identified on the city's flood insurance rate maps.
  - (13) Excavating or digging the earth from any lot or parcel of ground in such manner as may cause water to remain thereon unless permitted in accordance with the provisions of this article.
  - (14) Placing fill material upon or immediately adjacent to a bank or edge of any property abutting or bounded by a river, stream or other body of water in such manner that the fill can reasonably be expected through the action of wind and water to be discharged into such body of water without first installing a suitable protective device, bulkhead or retaining wall adequate to prevent the fill from washing into and polluting the body of water.
  - (15) Storing unsealed containers or receptacles containing building materials, vehicle motor parts containing grease or oil or other materials containing hazardous substances in areas susceptible to runoff.
  - (16) Using a pesticide, herbicide or fungicide, the manufacture of which has been either voluntarily discontinued or prohibited by the Environmental Protection Agency.
  - (17) Owning (either solely or jointly with others) or possessing (either solely or jointly with others) or reserving any right to own or possess any property on which any act prohibited by subparts [17-15\(a\)\(1\)](#) through [\(a\)\(16\)](#), inclusive, of this article is performed.
  - (18) Authorizing or instructing others to perform any act prohibited by subparts [17-15\(a\)\(1\)](#) through [\(a\)\(16\)](#), inclusive, of this article.
- (b) *Exemptions.* Exempt discharges to the city municipal separate storm sewer system include:
- (1) As per section 6.5.1 of EPA part 2 page [6-32](#) and [6-33](#) water line flushing;
  - (2) Landscape irrigation;

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- (3) Diverted stream flows;
  - (4) Rising ground waters;
  - (5) Uncontaminated ground water infiltration;
  - (6) Uncontaminated pumped ground water;
  - (7) Discharges from potable water sources;
  - (8) Foundation drains;
  - (9) Air conditioning condensation;
  - (10) Irrigation water;
  - (11) Springs;
  - (12) Water from crawl space pumps;
  - (13) Footing drains;
  - (14) Lawn watering;
  - (15) Individual residential car washing;
  - (16) Flows from riparian habitats and wetlands;
  - (17) Dechlorinated swimming pool discharges;
  - (18) Street wash water.
- (Ord. No. 65-007-2009, 3-10-09)

**Sec. 17-16. - Obligation to maintain drainage systems (flood control structures).**

A state licensed professional engineer representing the developer must certify that the development was built according to the approved plans prior to approval of a certificate of occupancy of a building or acceptance of the streets and drainage of a subdivision development. It shall be the legal responsibility of the owner to maintain the approved drainage system so that it operates as designed. The system may be checked at appropriate times by the city engineering department. If the system is not operating correctly due to lack of proper maintenance or from being tampered with, the owner will be notified in writing that he has ten (10) days from the date of notification to put the system back in working order. If the system is not restored to its original approved condition within the ten-day notification period, the owner may be issued a municipal offense ticket and fined one hundred dollars (\$100.00) per occurrence. Each day that the system remains out of compliance may be considered a separate occurrence.

(Ord. No. 65-007-2009, 3-10-09)

# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.3B**

### **Meet with Applicable Departments**

## **City of Daphne MS4**

### **Pollution Prevention/Good House Keeping**

#### **Public Works**

#### **Meeting Agenda and Minutes**

**March 11, 2013**

**5:00PM**

Attendees: Ashley Campbell & Richard Johnson

#### Topics to Discuss for Pollution Prevention/Good House Keeping

- Complete stormwater infrastructure inventory and inspection
- Create a Stormwater Infrastructure Maintenance Plan
  - Base maintenance on inspection reports
    - Good-no immediate maintenance
    - Fair-Monitor annually
    - Poor-Evaluate list and implement needed repair
  - Initiate Inspection Program Based on Initial Inspections
- Good House Keeping (Joey)
  - Train employees
- City Guidance (Ashley)
  - EPM will review all the PW Department Standard Operating Procedures (SOPs) concerning the MS4 Program and update as necessary.

## **City of Daphne MS4**

### **IDDE/Hazardous Spill Fire Department Meeting**

#### **Agenda and Minutes**

**March 7, 2013**

**9:00am**

**Attendees: Ashley Campbell, Chip Martin, & Joey Holasz**

#### **Topics to Discuss for IDDE**

- **Current response program (Joey)**
  - **911 notifies Fire Department**
  - **Fire responds, determines if a Hazardous Spill has occurred, implement emergency temporary corrective action**
  - **Fire contacts Baldwin County Emergency Management Agency (EMA), who in turn contacts Federal and State Agencies and the City Environmental Programs**
  - **Fire remains on site until proper agency assumes control**
  - **Coast Guard takes lead on reportable quantities that affect navigable waters**
- **Good House Keeping (Joey)**
  - **City Fire Staff follows standard EMA clean up procedures for Hazardous Spills**
- **City Guidance (Ashley)**
  - **EPM will review all the City's Fire Department Standard Operating Procedures (SOPs) concerning spills and update as necessary.**

# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.3C**

#### **Draft IDDE Ordinance**

**CITY OF DAPHNE  
ORDINANCE NO. 2013-\_\_**

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**AN ORDINANCE FOR REGULATING ILLICIT DISCHARGES TO THE CITY OF  
DAPHNE'S MUNICIPAL STORM DRAIN SYSTEM**

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**WHEREAS**, the City Council of the City of Daphne, Alabama deems it to be in the best interest of public health, safety, general welfare and for the benefit of its citizens to establish regulations for Illicit discharges to the storm drain system; and,

**WHEREAS**, this ordinance establishes methods for controlling the introduction of pollutants into the City's municipal separate storm sewer system (MS4) in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) Phase II permit process.

**NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DAPHNE, ALABAMA AS FOLLOWS:**

**SECTION I: TITLE ORD. No. 2013-\_\_ "ILLICIT DISCHARGE ORDINANCE"**

**SECTION II: JURISDICTION**

The provisions of this ordinance shall apply to all lands within the corporate limits of the City of Daphne.

**SECTION III: PURPOSE**

The purpose of this ordinance is to provide for the health, safety, and general welfare of the citizens of Daphne through the regulation of non-stormwater discharges to the storm drainage system to the maximum extent practicable as required by federal and state law. This ordinance establishes methods for controlling the introduction of pollutants into the municipal separate storm sewer system (MS4) in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) permit process. The objectives of this ordinance are:

1. To regulate the contribution of pollutants to the municipal separate storm sewer system (MS4) by stormwater discharges by any user
2. To prohibit illicit connections and discharges to the municipal separate storm sewer system
3. To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this ordinance

**SECTION IV: DEFINITIONS**

For the purposes of this Ordinance, the following words and phrases shall have the meaning respectively ascribed to them by this section unless taken specific exception to elsewhere in this ordinance:

Authorized Enforcement Agency Environmental Programs Manager, Site Containment Inspector, and the Code Enforcement Officer or their designee from the City of Daphne designated to enforce this ordinance.

Best Management Practices (BMPs) Schedules of activities, prohibitions of practices, general good housekeeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

Clean Water Act The federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.

Construction Activity Activities subject to NPDES Construction Permits. Currently these include construction projects resulting in land disturbance of one (1) acre or more. Such activities include but are not limited to clearing and grubbing, grading, excavating, and demolition.

Hazardous Materials Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

Illegal Discharge Any direct or indirect non-stormwater discharge to the storm drain system, except as exempted in Section VIII, A (1) of this ordinance.

Illicit Connections An illicit connection is defined as the following: any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the storm drain system including but not limited to any conveyances which allow any non-stormwater discharge including sewage, process wastewater, swimming pool discharge, and wash water to enter the storm drain system and any connections to the storm drain system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency or, any drain or conveyance connected from a commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

Industrial Activity Activities subject to NPDES Industrial Permits as defined in the Code of Federal Regulations, 40 CFR, Section 122.26 (b) (14).

National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit A permit issued by EPA (or by a State under authority delegated pursuant to 33 USC § 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

Non-Stormwater Discharge Any discharge to the storm drain system that is not composed entirely of stormwater.

Person Any individual, association, organization, partnership, firm, corporation or other entity recognized by law and acting as either the owner or as the owner's agent.

Pollutant Anything which causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and/or noxious or offensive matter of any kind.

Premises Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips.

Storm Drainage System Publicly-owned facilities by which stormwater is collected and/or conveyed, including but not limited to any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

Stormwater Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

Stormwater Pollution Prevention Plan A document which describes the best management practices and activities to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions to eliminate or reduce pollutant discharges to stormwater, stormwater conveyance systems, and/or receiving waters to the maximum extent practicable.

Wastewater Any water or other liquid, other than uncontaminated stormwater, discharged from a facility.

**SECTION V: APPLICABILITY & EXCEPTIONS**

This ordinance shall apply to all water entering the storm drain system generated on any developed and undeveloped lands unless explicitly exempted by an authorized enforcement agency.

**SECTION VI: ULTIMATE RESPONSIBILITY**

The standards set forth herein and promulgated pursuant to this ordinance are minimum standards; therefore this ordinance does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.

**SECTION VII: DISCHARGE PROHIBITIONS****A. Prohibition of Illegal Discharges.**

No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater.

The commencement, conduct or continuance of any illegal discharge to the storm drain system is prohibited except as described as follows:

1. The following discharges are exempt from discharge prohibitions established by this ordinance: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration in to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wetland flows, firefighting activities, and any other water source not containing pollutants.
2. Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.
3. Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of the test.
4. The prohibition shall not apply to any non-stormwater discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the storm drain system.

**B. Prohibition of Illicit Connections.**

1. The construction, use, maintenance or continued existence of illicit connections to the storm drain system is prohibited.

2. A person is considered to be in violation of this ordinance if the person connects a line conveying sewage to the MS4, or allows such a connection to continue.

**SECTION VIII: SUSPENSION OF MS4 ACCESS****A. Suspension due to Illicit Discharges in Emergency Situations.**

The City of Daphne may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4 or Waters of the United States. If the violator fails to comply with a suspension order issued in an emergency, the authorized enforcement agency may take such steps as deemed necessary to prevent or minimize damage to the MS4 or Waters of the United States, or to minimize danger to persons.

**B. Suspension due to the Detection of Illicit Discharge.**

Any person discharging to the MS4 in violation of this ordinance may have their MS4 access terminated if such termination would abate or reduce an illicit discharge. The authorized enforcement agency will notify a violator of the proposed termination of its MS4 access. The violator may petition the authorized enforcement agency for a reconsideration and hearing.

A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this Section, without the prior approval of the authorized enforcement agency.

**SECTION IX: INDUSTRIAL OR CONSTRUCTION ACTIVITY DISCHARGES**

Any person subject to an industrial or construction activity NPDES stormwater discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the City of Daphne prior to the allowing discharges to the MS4.

**SECTION X: MONITORING OF DISCHARGES****A. Applicability**

This section applies to all facilities that have stormwater discharges associated with industrial activity, including construction activity.

**B. Access to Facilities**

1. The City of Daphne shall be permitted to enter and inspect facilities subject to regulation under this ordinance as often as may be necessary to determine compliance with this ordinance. If a discharger has security measures in force which require proper identification and clearance before entry into its

premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized enforcement agency.

2. Facility operators shall allow the City of Daphne ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge stormwater, and the performance of any additional duties as defined by state and federal law.

3. The City of Daphne shall have the right to set up on any permitted facility such devices as are necessary in the opinion of the authorized enforcement agency to conduct monitoring and/or sampling of the facility's stormwater discharge.

4. The City of Daphne has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater flow and quality shall be calibrated to ensure their accuracy.

5. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or verbal request of the City of Daphne. The costs of clearing such access shall be borne by the operator.

6. Unreasonable delays in allowing the City of Daphne access to a permitted facility is a violation of a stormwater discharge permit and of this ordinance. A person who is the operator of a facility with a NPDES permit to discharge stormwater associated with industrial activity commits an offense if the person denies the authorized enforcement agency reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this ordinance.

7. If the City of Daphne has been refused access to any part of the premises from which stormwater is discharged, and he/she is able to demonstrate probable cause to believe that there may be a violation of this ordinance, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this ordinance or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the authorized enforcement agency may seek issuance of a search warrant from the court of competent jurisdiction.

## **SECTION XI: REQUIREMENTS TO PREVENT, CONTROL, AND REDUCE STORMWATER POLLUTANTS BY THE USE OF BEST MANAGEMENT PRACTICES**

The City of Daphne has requirements within the Erosion & Sediment Control Ordinance (**Ordinance No. 2008-54**) and Article 18 of the Land Use and Development Ordinance (**Ordinance No. 2011-54**) that identifies Best Management Practices for any activity, operation, or facility which may cause or contribute to pollution or contamination of stormwater, the storm drain system, or waters of the U.S. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the municipal storm drain system or watercourses through the use of these structural and non-structural BMPs. Further, any person responsible for a property or premise, which is, or may be, the source of an illicit discharge, may be required to implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of stormwater associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section. These BMPs shall be part of a stormwater pollution prevention plan (SWPPP) as necessary for compliance with requirements of the NPDES permit.

## **SECTION XII: WATERCOURSE PROTECTION**

Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse.

## **SECTION XIII: NOTIFICATION OF SPILLS**

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into stormwater, the storm drain system, or water of the U.S. said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized

enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the City of Daphne within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained at the facility for at least three years.

#### **SECTION XIV: ENFORCEMENT**

Whenever the City of Daphne finds that a person has violated a prohibition or failed to meet a requirement of this Ordinance, the authorized enforcement agency may mandate compliance by written notice of violation to the responsible person. Such notice may require without limitation:

1. The performance of monitoring, analyses, and reporting;
2. The elimination of illicit connections or discharges;
3. That violating discharges, practices, or operations shall cease and desist;
4. The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property; and
5. Payment of a fine to cover administrative and remediation costs; and
6. The implementation of source control or treatment BMPs.

If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work must be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

#### **SECTION XV: APPEAL OF NOTICE OF VIOLATION**

Any person receiving a Notice of Violation may appeal the determination of the authorized enforcement agency. The notice of appeal must be received within five (5) days from the date of the Notice of Violation. Hearing on the appeal before the City Council shall take place within fifteen (15) days from the date of receipt of the notice of appeal. The decision of the municipal authority or their designee shall be final.

#### **SECTION XVI: ENFORCEMENT MEASURES AFTER APPEAL**

If the violation has not been corrected pursuant to the requirements set forth in the Notice of Violation, or, in the event of an appeal, within ten (10) days of the decision

of the municipal authority upholding the decision of the authorized enforcement agency, then representatives of the authorized enforcement agency shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the government agency or designated contractor to enter upon the premises for the purposes set forth above.

#### **SECTION XVII: COST OF ABATEMENT OF THE VIOLATION**

Within ten (10) days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may file a written protest objecting to the amount of the assessment within 5 days. If the amount due is not paid within a timely manner as determined by the decision of the municipal authority or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a lien on the property for the amount of the assessment. Any person violating any of the provisions of this article shall become liable to the city by reason of such violation. The liability shall be paid in not more than twelve (12) equal payments. Interest at the rate of percent per annum shall be assessed on the balance beginning on the first (1<sup>st</sup>) day following discovery of the violation.

#### **SECTION XVIII: INJUNCTIVE RELIEF**

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Ordinance. If a person has violated or continues to violate the provisions of this ordinance, the authorized enforcement agency may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.

#### **SECTION XIX: APPEAL OF NOTICE OF VIOLATION**

In lieu of enforcement proceedings, penalties, and remedies authorized by this Ordinance, the authorized enforcement agency may impose upon a violator alternative compensatory action, such as storm drain stenciling, attending compliance workshops, creek cleanup, etc.

#### **SECTION XX: VIOLATIONS DEEMED A PUBLIC NUISANCE**

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Ordinance is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

**SECTION XXI: CRIMINAL PROSECUTION**

Any person that has violated or continues to violate this ordinance shall be liable to criminal prosecution to the fullest extent of the law, and be punished by a fine of not less than fifty dollars (\$50.00), but not more than five hundred dollars (\$500), or imprisonment not to exceed one-hundred and eighty days (180), or both.

The authorized enforcement agency may recover all attorneys' fees court costs and other expenses associated with enforcement of this ordinance, including sampling and monitoring expenses.

**SECTION XXII: REMEDIES NOT EXCLUSIVE**

The remedies listed in this ordinance are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

**SECTION XXIII: SEVERABILITY**

The provisions of this ordinance are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this Ordinance or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this Ordinance. All ordinances or parts of ordinances, in any manner conflicting herewith are hereby repealed.

**SECTION XXIV: EFFECTIVE DATE**

This Ordinance shall take effect and be in force from and after the date of its approval by the City Council of the City of Daphne and publication as required by law.

**ADOPTED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF DAPHNE, ALABAMA, THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013.**

\_\_\_\_\_  
**RON SCOTT,**  
**CITY COUNCIL PRESIDENT**  
Date & Time Signed: \_\_\_\_\_

\_\_\_\_\_  
**DANE HAYGOOD, MAYOR**  
Date & Time Signed: \_\_\_\_\_

**ATTEST:**

\_\_\_\_\_  
**BECKY HAYES, CITY CLERK**

# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.3D**

**Submit Draft IDDE Ordinance**

**To City Attorney**



Ashley Campbell <epm@daphneal.com>

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## Proposed Illicit Discharge Ordinance

1 message

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Ashley Campbell <epm@daphneal.com>

Thu, Mar 14, 2013 at 12:59 PM

To: Jay.Ross@arlaw.com

Cc: Becky Hayes <cityclerkassist@daphneal.com>

Jay,

I have attached the City's proposed Illicit Discharge Ordinance. The ordinance originated from our ADEM MS4 Phase II permit (Attached). I used EPA's boiler plate ordinance as a guide. Please, review and comment asap. I would like to take it to the ordinance committee by June.

--

### Ashley Campbell

Environmental Programs Manager

City of Daphne

[epm@daphneal.com](mailto:epm@daphneal.com)

Office: 251-621-3080

Cell: 251-234-7122

Fax: 251-621-3719

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### 2 attachments



3-12-13 Draft 2013-MS4 Illicit Discharge OrdinanceWatermark.rtf

183K



Daphne ADEM PH II NPDES General Permit\_ALR040039.pdf

1138K

## **MCM 3**

# **Illicit Discharge Detection & Elimination (IDDE)**

## **Attachment**

### **3.3.5A**

**Meet with Departments to  
Develop Strategies for  
Hazardous Waste Responses**

## **City of Daphne MS4**

### **Pollution Prevention/Good House Keeping**

#### **Public Works**

#### **Meeting Agenda and Minutes**

**March 11, 2013**

**5:00PM**

**Attendees: Ashley Campbell & Richard Johnson**

#### **Topics to Discuss for Pollution Prevention/Good House Keeping**

- **Complete stormwater infrastructure inventory and inspection**
- **Create a Stormwater Infrastructure Maintenance Plan**
  - **Base maintenance on inspection reports**
    - **Good-no immediate maintenance**
    - **Fair-Monitor annually**
    - **Poor-Evaluate list and implement needed repair**
  - **Initiate Inspection Program Based on Initial Inspections**
- **Good House Keeping (Joey)**
  - **Train employees**
- **City Guidance (Ashley)**
  - **EPM will review all the PW Department Standard Operating Procedures (SOPs) concerning the MS4 Program and update as necessary.**

## **City of Daphne MS4**

### **IDDE/Hazardous Spill Fire Department Meeting**

#### **Agenda and Minutes**

**March 7, 2013**

**9:00am**

**Attendees: Ashley Campbell, Chip Martin, & Joey Holasz**

#### **Topics to Discuss for IDDE**

- **Current response program (Joey)**
  - **911 notifies Fire Department**
  - **Fire responds, determines if a Hazardous Spill has occurred, implement emergency temporary corrective action**
  - **Fire contacts Baldwin County Emergency Management Agency (EMA), who in turn contacts Federal and State Agencies and the City Environmental Programs**
  - **Fire remains on site until proper agency assumes control**
  - **Coast Guard takes lead on reportable quantities that affect navigable waters**
- **Good House Keeping (Joey)**
  - **City Fire Staff follows standard EMA clean up procedures for Hazardous Spills**
- **City Guidance (Ashley)**
  - **EPM will review all the City's Fire Department Standard Operating Procedures (SOPs) concerning spills and update as necessary.**

# **MCM 3**

## **Illicit Discharge Detection & Elimination (IDDE)**

### **Attachment**

#### **3.3.5C**

### **Hazardous Waste Responses for Permit Year**

MCM 3 IDDE

3.3.5C Fire Department Hazardous Material Responses

Qty	Date	Material	Spill Description
1	4/7/2012	Gas	Liquid Spill
2	5/2/2012	Gas	Liquid Spill
3	6/22/2012	Gas	Liquid Spill
4	6/29/2012	Gas	Liquid Spill
5	7/6/2012	Gas	Liquid Spill
6	7/23/2012	Gas	Liquid Spill
7	8/9/2012	Gas	Liquid Spill
8	8/21/2012	Gas	Liquid Spill
9	10/5/2012	Gas	Liquid Spill
10	10/31/2012	Oil	Liquid Spill
11	10/31/2012	Gas	Liquid Spill
12	11/16/2012	Gas	Liquid Spill
13	12/18/2012	Gas	Liquid Spill
14	2/7/2013	Gas	Liquid Spill
15	3/11/2013	Gas	Liquid Spill
16	3/20/2013	Gas	Liquid Spill

## **MCM 3**

# **Illicit Discharge Detection & Elimination (IDDE)**

## **Attachment**

### **3.3.6A**

**Develop or Purchase IDDE  
Training Material for New  
Employees**

# IDDDE

## a grate concern

### Illicit Discharge Detection & Elimination



employee training

**EXCAL VISUAL LLP**  
 5721 Arapahoe Ave., Ste. A-2  
 Boulder, CO 80303-1363  
 888-925-6554 Toll Free  
 303-413-0847 303-413-0683 fax

# Invoice

DATE	INVOICE #
01/30/2013	279006

<b>BILL TO</b>
CITY OF DAPHNE ATTN: ACCOUNTS PAYABLE 1705 MAIN ST DAPHNE, AL 36526-

<b>SHIP TO</b>
CITY OF DAPHNE ATTN: ASHLEY CAMPBELL 1705 MAIN ST DAPHNE, AL 36526-

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.
Vrbl per Ashley Campbell	Due upon receipt	BD	01/08/2013	UPS Ground	

QUANTITY	ITEM CODE	DESCRIPTION	FULL PRICE	PRICE EACH	DISCOUNT	AMOUNT
1	21123	Stormwater Pollution Prevention for MS4s "Rain Check" DVD Disc Only		595.00		595.00
1	21200	Shipping & handling SW training materials		8.37		8.37
1	21129	IDDE - A Grate Concern DVD Disc Only		495.00		495.00
1	21200	SW Shipping & Handling		8.38		8.38

**APPROVED INVOICE**

168000

DEPT ORG#

52211

OBJECT#

PROJECT#

1/31/13

DATE DEPT HEAD APPROVAL

Invoices not paid within 30 days will be subject to a 1.5% interest charge on unpaid balance.

Federal TIN 84-1259128  
 We accept VISA, Mastercard & American Express

\$1,106.75

**Payments/Credits** \$0.00

**Balance Due** \$1,106.75