Trapzilla
A THERMACO® Technology

BIG DIPPER
A THERMACO® Technology

Isolation & Containment

A grease management strategy to help your worst offenders happily comply

PUBLIC HEALTH
INSPECTION NOTICE
CLOSED
This establishment was found to have violations which constitute a danger to personal safety or has been found in violation in other provisions of applicable ordinances.
As a result, this establishment has been ordered to be closed by the Public Health Department.

What if some restaurants are not able to meet your effluent standard?

Sample of FOG standards in Florida Jurisdictions

City	Oil & Grease Standard	Code
Fort Lauderdale	**400 mg/L**	**Sec. 28-204. - Prohibited discharges**
Tampa	**400 mg/L**	**Sec. 26-306. - Grease traps and interceptors**
Orlando	**250 mg/L**	**Sec. 30.03. - Pretreatment of Wastewater**
Port St. Lucie	100 mg/L	Sec. 64.04. - Prohibitions and limitations on discharge into the wastewater system
Rivera Beach	100 mg/L	Sec. 20-144. - Prohibitions and limitations on discharge into the CRBSS
Palm Bay	100 mg/L	§ 201.21 PROHIBITED DISCHARGE STANDARDS
Mexico Beach	60 mg/L	§ 54.06 GENERAL SEWER USE REQUIREMENTS
Oldsmar	50 mg/L	Sec. 70-229. - Specific pollutant limitations

FOG EFFLUENT (Oil & Grease Samples)

	PERMIT CLASS	PERMIT #	NAME	LOCATION	DATE	RESULT (mg/L)
1	GDO	9263	Redland Meat LLC dba Stop & Shop Meat Market	Sampling point	12/13/2016	1.5
2	GDO	1442	Fritanga Castello Corp	Outlet tee	04/12/2016	3.6
3	GDO	1442	Publix @ 15750 SW 72 St	Outlet tee	12/28/2016	15.6
4	GDO	8015	Anthony's Prod. Corp. DBA Banana's Café & Grill	Outlet tee	11/22/2016	17.0
5	GDO	157	Wendy's @ 6601 Red Rd	clean out	01/03/2017	21.2
6	GDO	7076	Livewell Operation II INC. DBA Livewell at Courtyard	Outlet tee	04/15/2016	23.2
7	GDO	1830	The Sushi Bar	Outlet tee	12/05/2016	28.2
8	GDO	380	Cafeteria Rest. Mi Cafetal	SP	01/05/2017	37.1
9	GDO	8938	7-Eleven	Samp.point	11/23/2016	38.8
10	GDO	4362	Starbucks @ 8442 SW 8 St	Sampling point	12/12/2016	39.8
11	GDO	9351	MOCPS- JOSE DE DIEGO MIDDLE SCHOOL	Outlet tee	09/02/2016	42.2
12	GDO	2184 & 1590	Miss Saigon Bistro & Castelucccio	Outlet tee (SHARED)	07/25/2016	43.3
13	N/A	N/A	Teavana @ Village of Merrick Park	Grease trap	04/14/2016	55.5
14	GDO	2389	Shinju Japanese Buffet	Outlet tee	12/15/2016	56.2
15	GDO	484	Winn Dixie (IGT @ SW corner of Building)	Outlet tee	09/28/2016	58.1
16	GDO	10960	Mi Colombia	Samp. Point	11/29/2016	59.0
17	GDO	626	Domino's Pizza # 3889	Outlet tee	05/06/2016	67.4
18	GDO	485	UMCG-Hecht Dining Hall	Outlet tee	10/28/2016	69.0
19	GDO	2260	Sushi Samba Dromo	Outlet tee	05/23/2016	69.6
20	GDO	695	Sunshine Rest. Merger Sub LLC dba/ Ihop #36-078	Outlet tee	11/28/2016	74.3
21	GDO	5888	Subway @ 8768 SW 72 St	Outlet tee	12/15/2016	76.4
22	GDO	2186 & 1590	Miss Saigon Bistro & Castelucccio	Soakage Pit	03/29/2016	77.4
23	GDO	700	Papa John's Pizza	Samp. point	11/30/2016	82.9
24	GDO	9722	Hemmingway warehouse DBA Seasalt and Pepper	Outlet tee	12/23/2016	85.9
25	GDO	1442	Publix @ 15750 SW 72 St	OUTLET TEE	12/28/2016	87.2
26	GDO	4812	Graziano's Gourmet in the Gables	Outlet tee	03/31/2016	88.4
27	N/A	N/A	Teavana @ Dolphin Mall	Grease trap	04/13/2016	88.5
28	GDO	8886	Starbucks @ 52 Curtiss Pkv	Sampling point	12/13/2016	93.8
29	GDO	487	UMCG- Lime	Outlet tee	10/28/2016	96.8
30	GDO	5044	51 Holl Chna Steak House III	Outlet tee	07/25/2016	100.0
31	GDO	5044	51 Holl Chna Steak House III	Outlet tee	07/25/2016	100.0
32	GDO	2017	El Brazo Fuerte Bakery ENT, INC	Storm drain	04/26/2016	106.0
33	GDO	1343	Subway	Outlet tee	12/16/2016	106.5
34	GDO	9330	Gourmet by J & D, DBA Gourmet Gourmet	Outlet tee	08/26/2016	129.7
35	GDO	10251	Pei Wei Asian Dinner, LLC	Outlet tee	07/20/2016	131.5
36	GDO	2412	Rinconcito Latino Café & Restaurant Corp	Storm drain	08/12/2016	132.7
37	GDO	4577	Flying Food Servair Miami, LLC	Outlet tee	03/01/2016	137.2
38	GDO	1368	Mondiuq, LLC	Outlet tee	11/04/2016	142.4
39	GDO	6892	Starbucks 17760 NW 57 Ave	Outlet tee	11/10/2016	142.7
40	GDO	2917	Orsillo Enterprises Inc. DBA Bird Road Dairy Queen	Outlet tee	10/03/2016	143.5
41	GDO	3916	The Chinese Restaurant	Outlet tee	01/04/2017	144.9
42	GDO	9494	Amisoa, LLC DBA Lique	Storm drain	08/05/2016	161.1
43	GDO	43	Canton Restaurant of Coral Gables	Outlet tee	12/20/2016	161.5
44	GDO	2339	Garcia's Seafood Grille & Fish Market	Outlet tee	03/09/2016	162.6
45	GDO	9688	The Fresh Market INC	Outlet tee	04/08/2016	164.6
46	GDO	2561	Fritanga Cocina de Doña Angela	OT	01/23/2017	167.8
47	GDO	3916	The Chinese Restaurant	Outlet tee	12/02/2016	169.0
48	GDO	9161	Duffy's of North Miami Beach, Inc DBA Intercostal Mall	Outlet tee	08/05/2016	171.8
49	GDO	10538	Coyo Taco	SP	01/09/2017	176.7
50	GDO	697	Bangkok City Thai & Seafood Restaurant	Outlet tee	12/16/2016	177.0
51	GDO	9257	BGM Collins, LLC Burger Fl	Outlet tee	02/16/2016	178.6
52	GDO	4574	La Fogata (Mall of the Americas)	Outlet tee	01/09/2017	180.2
53	GDO	8851	Pete's Kitchen	Outlet tee	11/01/2016	180.7
54	GDO	1837	Jamaican Kitchen	Outlet tee	12/14/2016	182.2
55	GDO	1164	Poon's Corp. DBA Florida Grill	Outlet tee	08/11/2016	183.2
56	GDO	4610	CAJIO'S CUBAN CUISINE	Outlet tee	01/09/2017	184.9
57	GDO	5223	Adrianne Arsht Center DBA Brava	Outlet tee	11/08/2016	191.8
58	GDO	2561	Fritanga Cocina de Doña Angela	Outlet tee	11/16/2006	192.0
59	GDO	6984	Sushi Gables, Inc.	Storm drain	03/30/2016	194.0
60	GDO	5044	51 Holl China Steak House III	Outlet tee	05/10/2016	198.7
61	GDO	5877	Meridian Market	Outlet tee	11/15/2016	202.8
62	GDO	4516	607 Lincoln Rd, LLC DBA Cantinetta	Outlet tee	07/20/2016	205.6
63	GDO	10905	UMCG- Mahoney Pearson Dining Hall	Outlet tee	10/28/2016	208.0
64	GDO	5877	NH, Inc DBA Meridian Food Market	Outlet tee	08/02/2016	211.8
65	GDO	5223	Adrianne Arsht Center DBA Brava	Outlet tee	12/09/2016	215.1
66	GDO	9688	The Fresh Market INC	Outlet tee	02/19/2016	218.0
67	GDO	2788	Ruson Japanese Stakehouse	Outlet tee	04/07/2016	219.0
68	GDO	2339	Garcia's Seafood Grille & Fish Market	Outlet tee	05/24/2016	221.9
69	GDO	2339	Garcia's Seafood Grille & Fish Market	Outlet tee	07/15/2016	224.0
70	GDO	2186 & 1590	Miss Saigon Bistro & Castelucccio	Outlet tee (SHARED)	03/29/2016	226.1
71	GDO	25	AFP-101 Court DBA Double Tree Miami	Outlet tee	08/26/2016	233.1
72	GDO	9638	Taste Buds of India IV, Inc.	Outlet tee	12/21/2016	234.0
73	GDO	5969	CG Brickell, LLC BDA Komodo	Outlet tee	07/27/2016	240.6
74	GDO	2261	Casablanca Seafood Bar & Grill, INC	Outlet tee	04/08/2016	250.8
75	GDO	11020	Plant Based Restaurant, LLc	Outlet tee	11/14/2016	257.4
76	GDO	218	POLLO TROPICAL	Outlet tee	12/14/2016	270.5

(Feb. '16-Jan. '17)

141 FOG Effluent Samples

41 samples within 150 mg/L limit

100 Violations

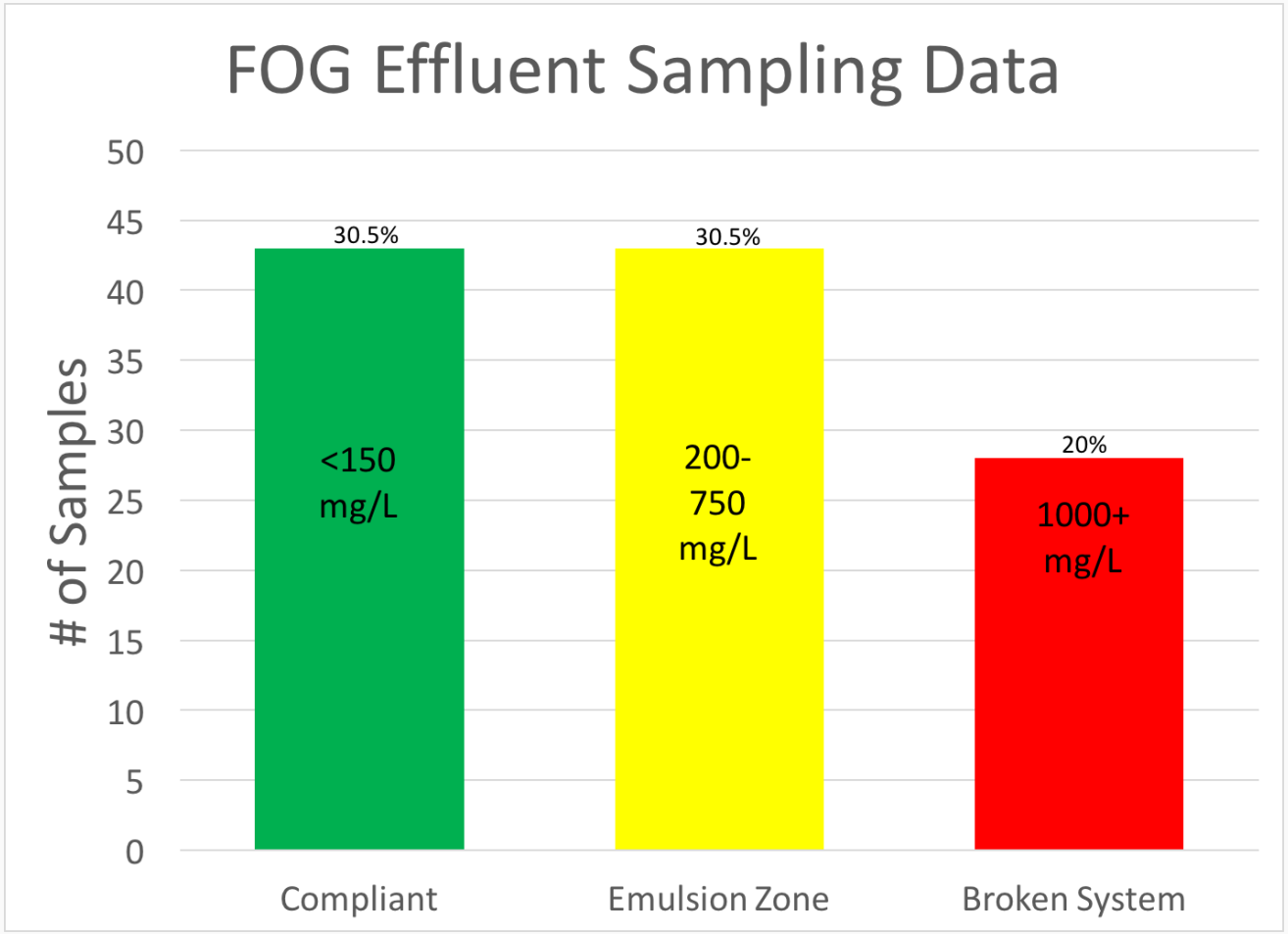
Average:

768 mg/L

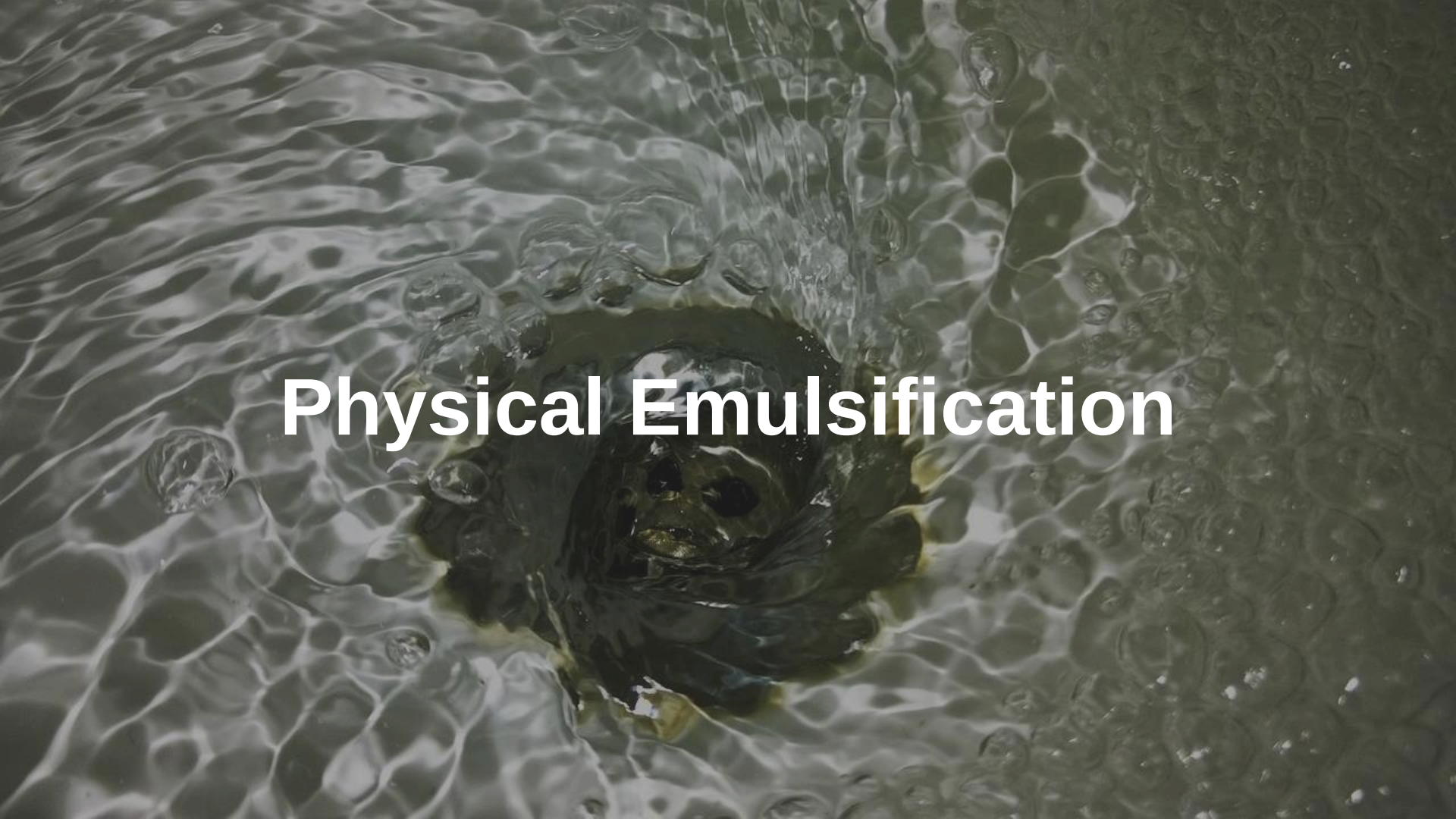
Highest:
13,300 mg/L

FOG EFFLUENT (Oil & Grease Samples)

	PERMIT CLASS	PERMIT #	NAME	LOCATION	DATE	RESULT (mg/L)
77	GDO	2961	Danny Restaurant	Outlet tee	07/06/2016	274.2
78	GDO	6035	Divino Ceviche Coral Gables	Outlet tee	03/29/2016	288.3
79	GDO	2538	Wei Eileen INC DBA Kyojin Japanese Seafood Buffet	Storm drain	04/20/2016	294.2
80	GDO	2261	Casablanca Seafood Bar & Grill, INC	Outlet tee	03/10/2016	304.0
81	GDO	9257	BGM Collins, LLC Burger Fi	Outlet tee	07/05/2016	304.0
82	GDO	5850	Chicken Kitchen	Outlet tee	12/02/2016	314.5
83	GDO	5457	Sasun, INC DBA Pizza Rustica	Outlet tee	05/24/2016	334.0
84	GDO	2186 & 1590	Miss Saigon Bistro & Castelucccio	Outlet tee (SHARED)	06/07/2016	347.1
85	GDO	11177	New Randy's Inc. DBA Randy's Restaurant	Outlet tee	06/16/2016	360.0
86	GDO	4516	607 Lincoln Rd, LLC DBA Cantinetta	Outlet tee	05/19/2016	370.5
87	GDO	3983	Sub Shack	Outlet tee	08/31/2016	396.0
88	GDO	7975	Target Miami Gardens	Outlet tee	10/14/2016	408.6
89	GDO	10921	Brasil Mania Inc.	Sampling point	01/06/2017	416.6
90	GDO	33, 9726, 10019	Anthony's Coal Fired Pizza- et al	Outlet tee	12/20/2016	419.0
91	GDO	701	Pascal's on Ponce	Outlet tee	12/21/2016	425.0
92	GDO	2088	Sunset Bakery	Outlet tee	12/15/2016	441.0
93	GDO	2088	Sunset Bakery	OT	12/28/2016	441.0
94	GDO	5192	150 Giralda LLC DBA The Local	Outlet tee	05/24/2016	476.8
95	GDO	2261	Casablanca Seafood Bar & Grill, INC	Outlet tee	11/14/2016	477.4
96	GDO	1488	Salmon & Salmon Restaurant	Outlet tee	06/29/2016	492.1
97	GDO	3560	Tropical Chinese Restaurant Corp	Outlet tee	08/03/2016	509.6
98	GDO	695	Sunshine Rest. Merger Sub LLC dba/ Ihop #36-078	Outlet tee	08/15/2016	557.6
99	GDO	2538	Wei Eileen INC DBA Kyojin Japanese Seafood Buffet	Outlet tee	04/19/2016	617.8
100	GDO	9722	Hemmingway warehouse DBA Seasalt and Pepper	Storm drain	03/07/2016	619.6
101	GDO	484	Winn Dixie (IGT @ SE corner of Building)	Outlet tee	09/28/2016	635.9
102	GDO	1751	Koning Restaurants Intl. DBA Pizza Hut	Outlet tee	11/07/2016	650.5
103	GDO	2339	Garcia's Seafood Grille & Fish Market	Outlet tee	11/14/2016	679.7
104	GDO	2921	JL Slang Inc. DBA Grand View Chinese Rest.	Outlet tee	08/18/2016	769.7
105	GDO	10251	Pei Wei Asian Dinner, LLC	Outlet tee	03/24/2016	791.2
106	GDO	697	Bangkok City Thai & Seafood Restaurant	Outlet tee	08/15/2016	796.0
107	GDO	4230	Le Monitenn, LLC DBA Il Bolognese	Outlet tee	05/19/2016	796.8
108	GDO	2743	Domino's Pizza	Outlet tee	04/06/2016	811.6
109	GDO	218	POLLO TROPICAL	Outlet tee	09/27/2016	826.0
110	GDO	2226	Wendy's #1712	Outlet tee	10/03/2016	859.7
111	GDO	3414	Dolores But you can Call Me Lolita LLC	Outlet tee	09/02/2016	906.0
112	GDO	165	IHOP	Outlet tee	09/27/2016	1010.0
113	GDO	154	Wendy's #1711	Outlet tee	08/17/2016	1010.0
114	GDO	6035	Divino Ceviche Coral Gables	Outlet tee	07/13/2016	1060.0
115	GDO	8911	Yakko-San, LLC. DBA Yoko -San Sushi Japanese	Outlet tee	08/24/2016	1140.0
116	GDO	11094	Carolina Ale House	Outlet tee	09/28/2016	1140.0
117	GDO	5192	150 Giralda LLC DBA The Local	Outlet tee	08/02/2016	1160.0
118	GDO	9671	Due Baci	Sampling point	11/14/2016	1200.0
119	GDO	7457	Prime Italian	Outlet tee	06/16/2016	1290.0
120	GDO	580	Menendez Management Corp. DBA Mcdonal's #7409	Outlet tee	07/22/2016	1300.0
121	GDO	11	Benihana National Corp. DBA Samurai Japanese Steak & Seafood	Outlet tee	06/30/2016	1360.0
122	GDO	707	Delicias de Espana 2, Inc.	Outlet tee	08/17/2016	1420.0
123	GDO	5192	150 Giralda LLC DBA The Local	Outlet tee	03/29/2016	1500.0
124	GDO	3414	Dolores But you can Call Me Lolita LLC	Outlet tee	07/13/2016	1820.0
125	GDO	9671	Due Baci	Sampling point	12/16/2016	1870.0
126	GDO	580	Menendez Management Corp. DBA Mcdonal's #7409	Outlet tee	06/23/2016	1950.0
127	GDO	4580	Los Verdes Restaurant	Outlet tee	05/12/2016	2000.0
128	GDO	2378	Di Papa's Inc.	Outlet tee	08/26/2016	2030.0
129	GDO	8396	Rok Burger Gastro Pub	OT	01/13/2017	2040.0
130	GDO	2412	Rinconcito Latino Café & Restaurant Corp	Outlet tee	08/12/2016	2490.0
131	GDO	55	One Washington Ave Corp DBA Smith & Wollensky	Outlet tee	08/19/2016	2850.0
132	GDO	2378	Di Papa's Inc.	Outlet tee	07/21/2016	3110.0
133	GDO	4347	Trump National Doral	Sampling point	07/11/2016	3210.0
134	GDO	3345	Fritanga Montelimar Plaza, Inc.	Outlet tee	12/28/2016	3840.0
135	GDO	697	Bangkok City Thai & Seafood Restaurant	Outlet tee	10/25/2016	4340.0
136	GDO	4366	Latin Group Inc. DBA Latin Café 2000	Outlet tee	09/28/2016	4450.0
137	GDO	6889	Bryson's	Storm drain	07/14/2016	5670.0
138	GDO	475	Winn Dixie @ 8710 SW 72 St	Outlet tee	12/14/2016	9340.0
139	GDO	8663	TUOFIC & Rima Inc. DBA Daily Bread	Storm drain	03/24/2016	13300.0
140	N/A	N/A	Manhole 6-46	Sanitary Sewer Manhole	04/08/2016	73.0
141	GDO	11390	Dunkin Donuts 343978	Storm drain	11/15/2016	U
					AVERAGE	768.0
					HIGHEST	13300.0
					LOWEST	1.5


FOG Effluent Sampling Data
# of Samples
50
45
40
35
30
25
20
15
10
5
0
30.5%
30.5%
20%
<150 mg/L
200-750 mg/L
1000+ mg/L
Compliant
Emulsion Zone
Broken System

Emulsification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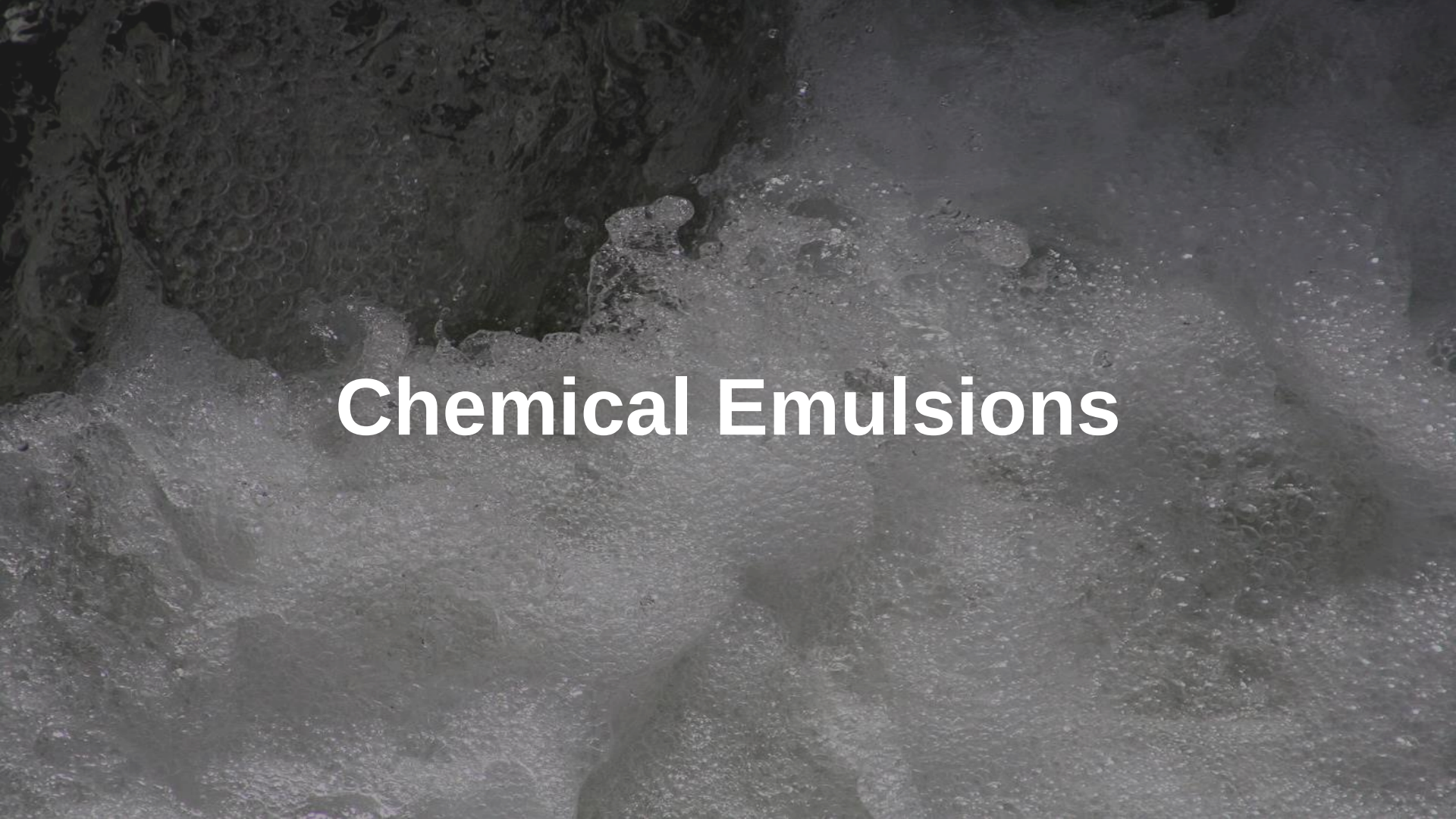
Chemical Emulsions

How do Chemical Emulsions cause failures?

PUBLIC HEALTH
INSPECTION NOTICE
CLOSED
This establishment was found to have violations which constitute a danger to personal safety or has been found in violation in other provisions of applicable ordinances.
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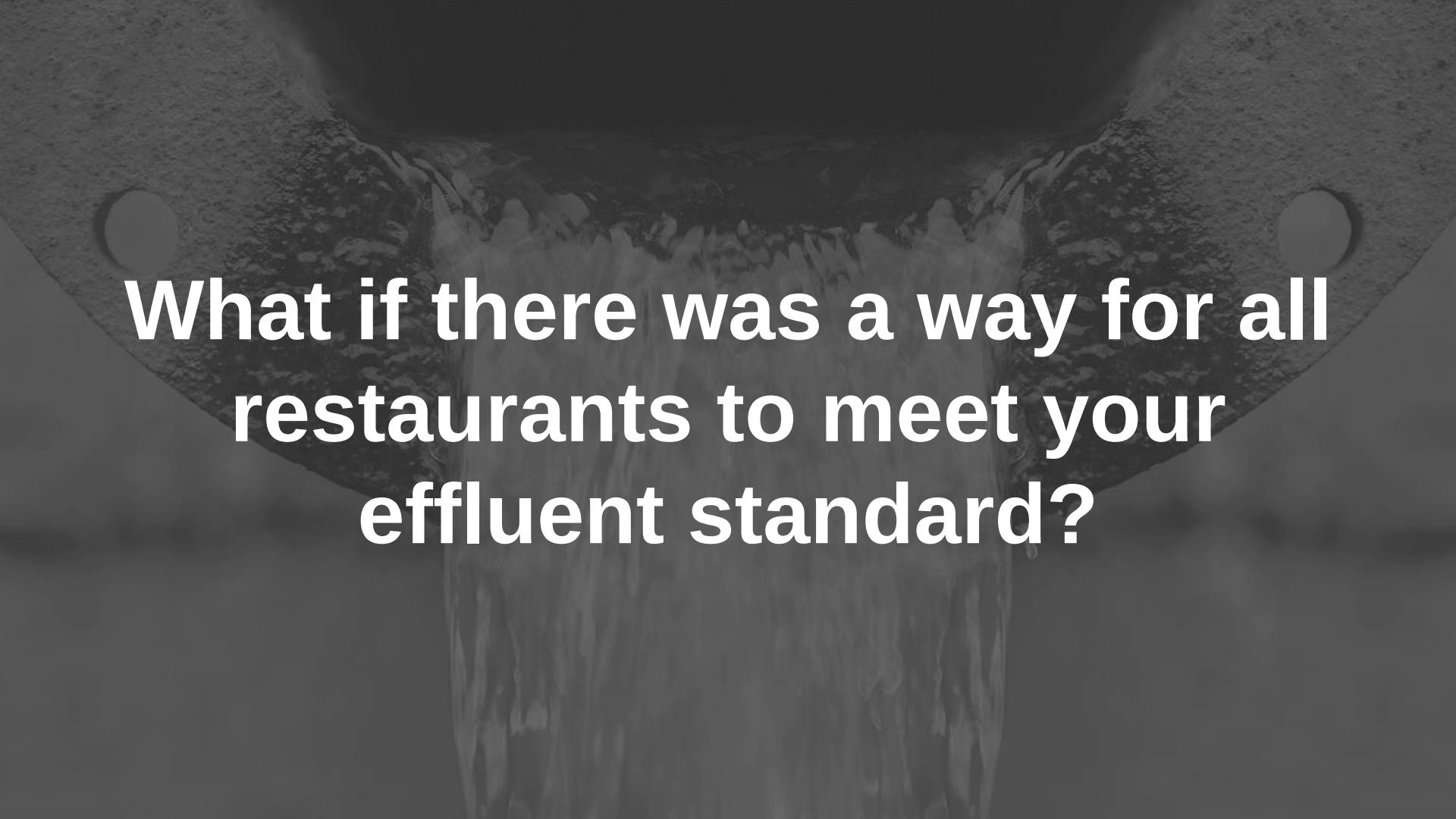
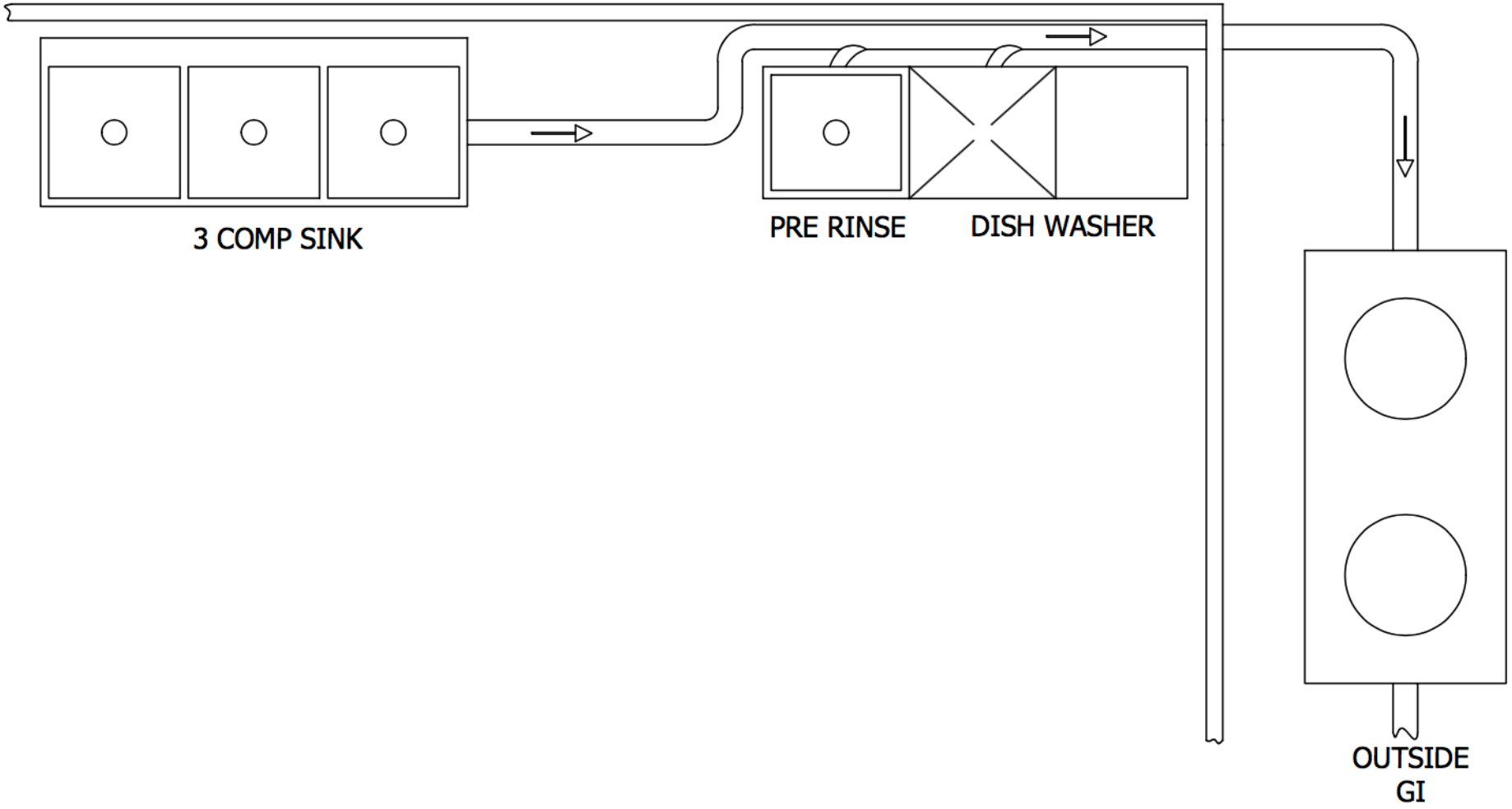
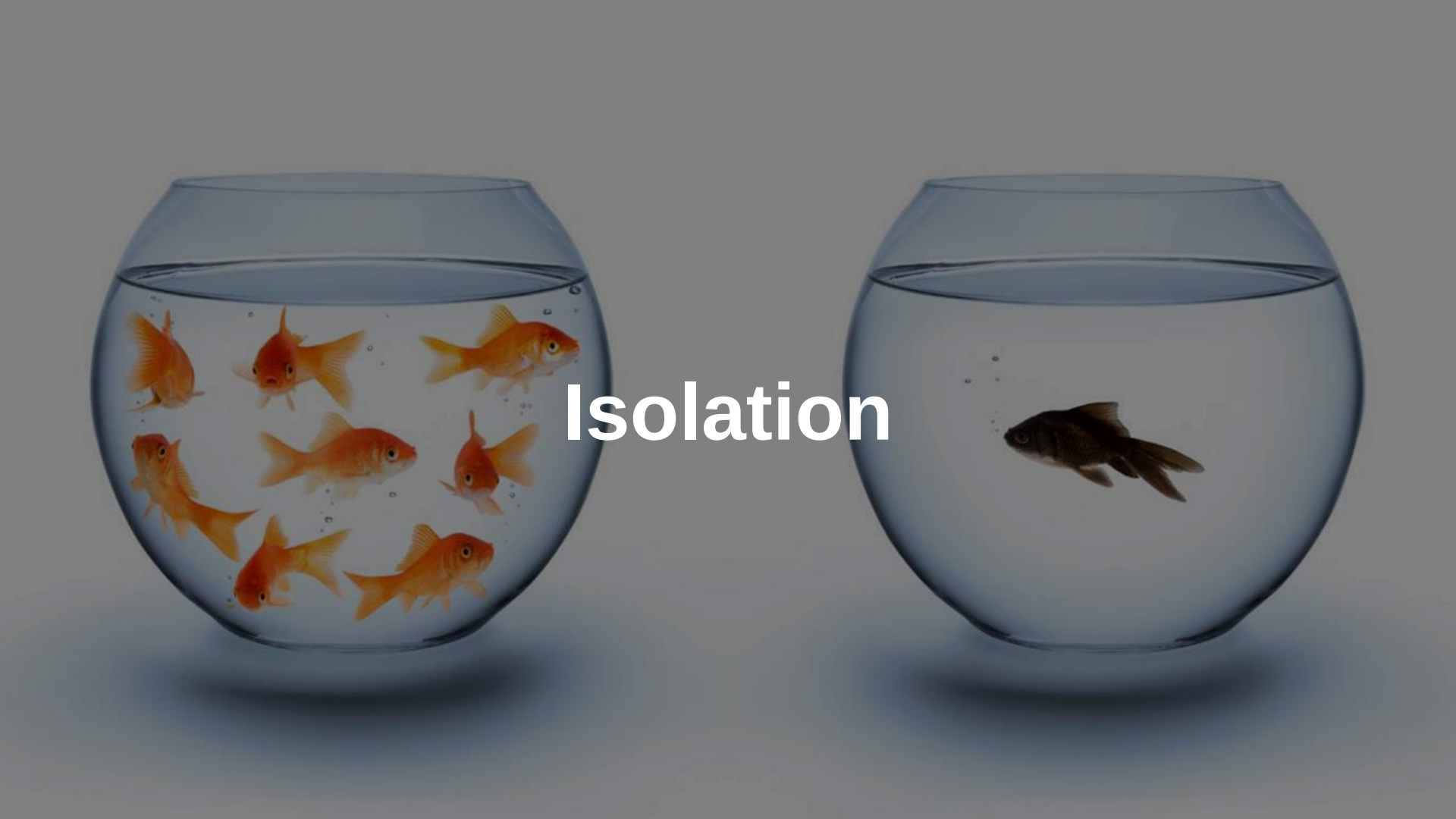
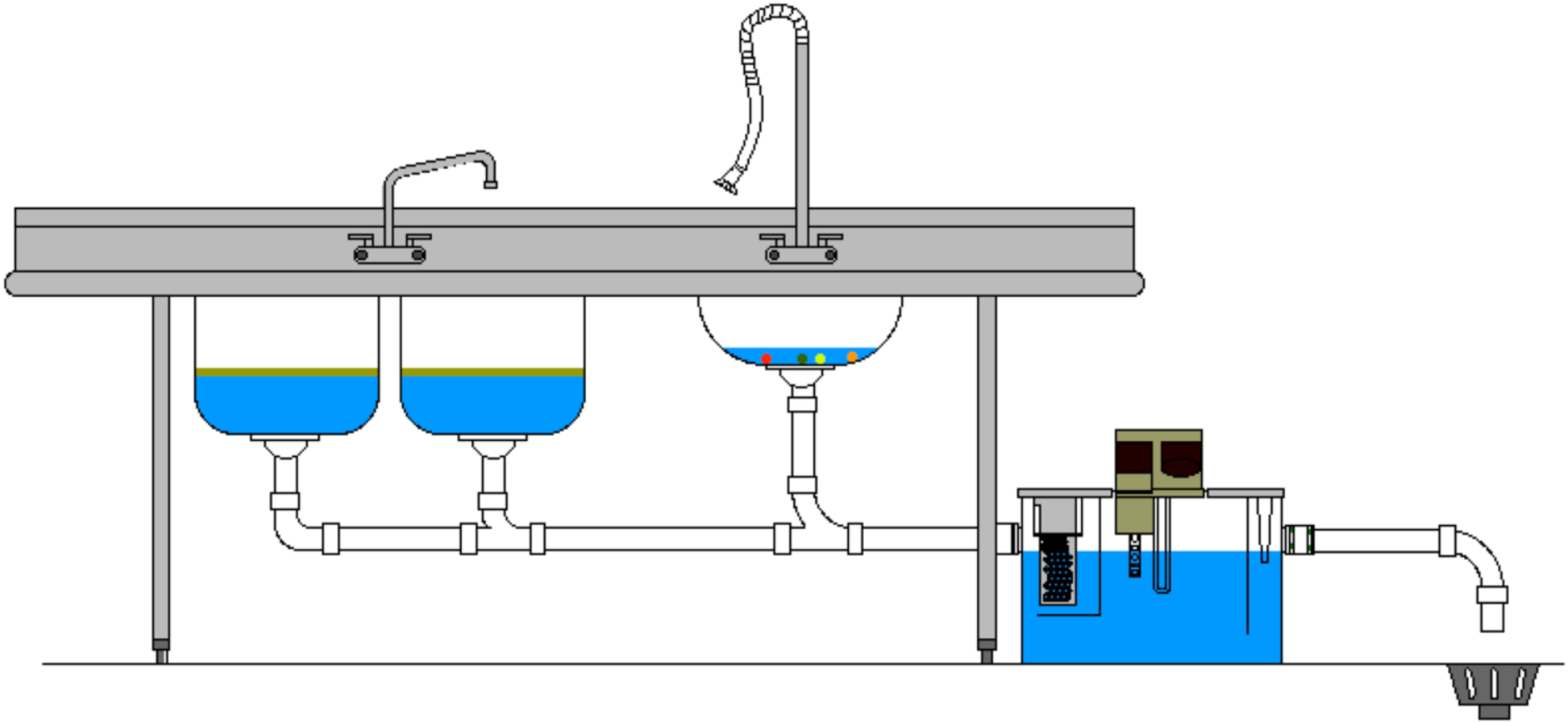

What if there was a way for all restaurants to meet your effluent standard?

Isolation and Containment

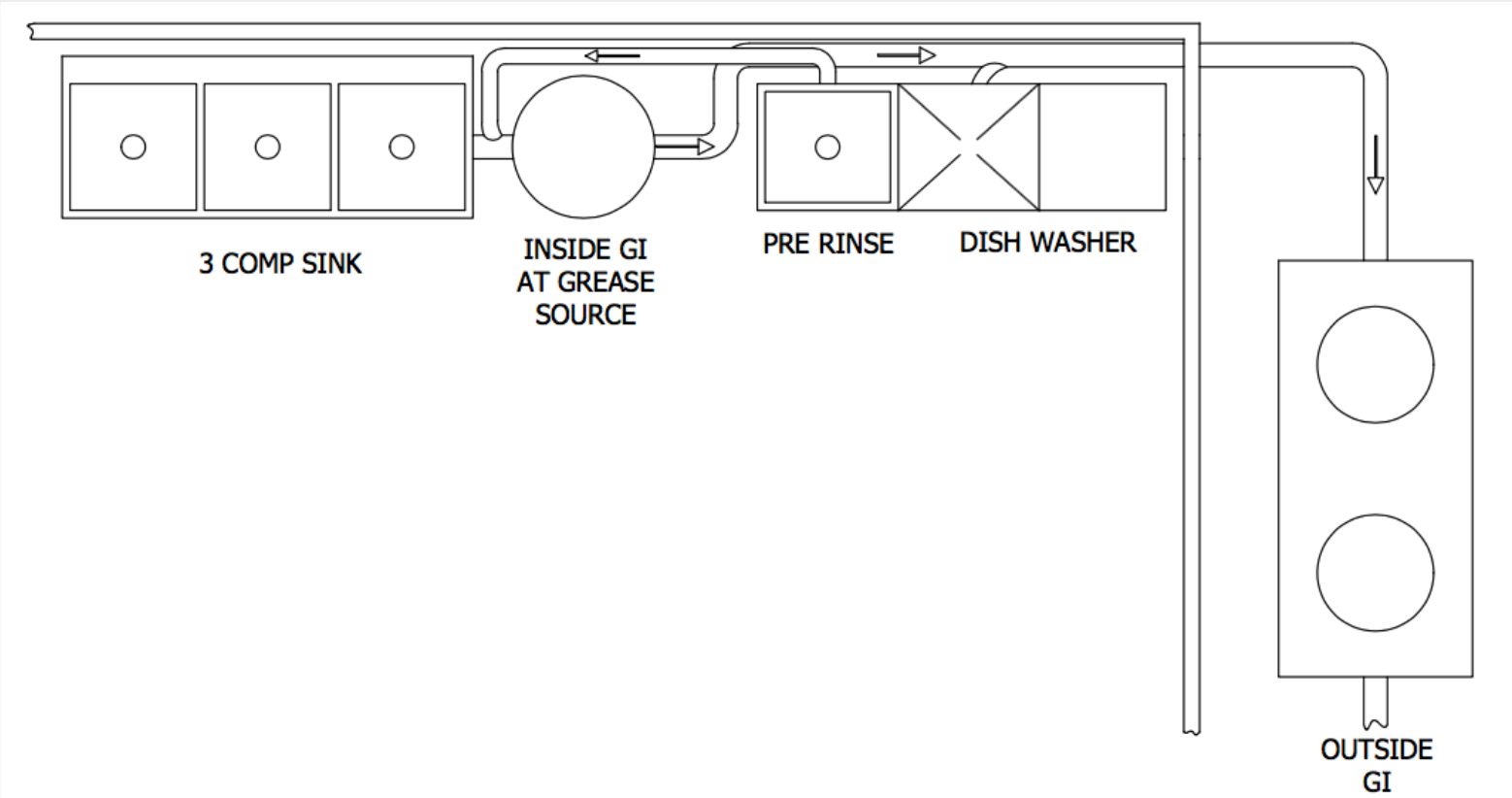
Containment


3 COMP SINK
PRE RINSE
DISH WASHER
OUTSIDE
GI


Isolation

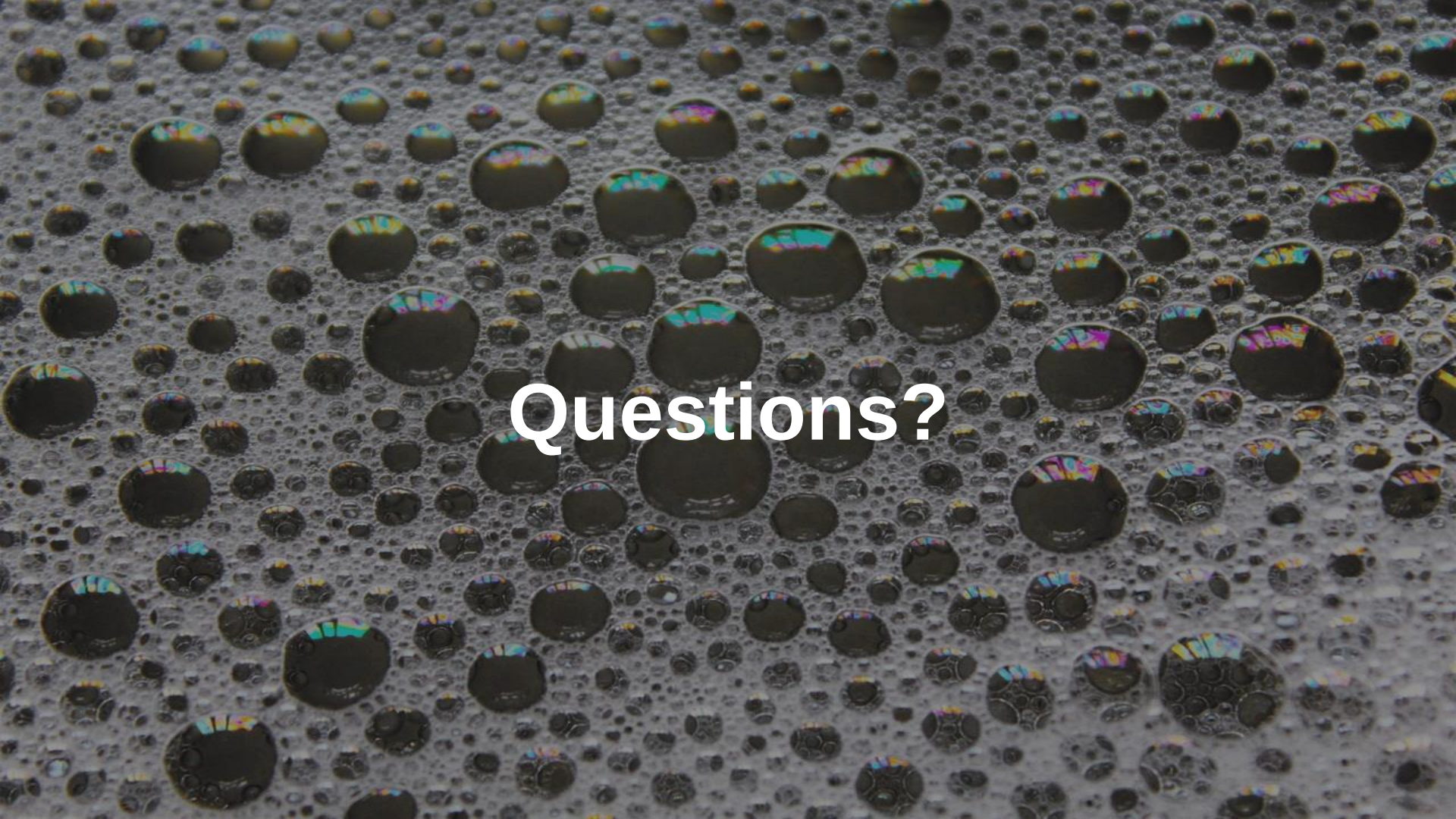


Isolation & Containment



Isolation & Containment

A way for all FSEs to comply


Questions?