



Legend

- Residential Air Monitoring Location
- Basins
- Approximate Property Boundary

1:3,600

Map Source:
 Bing Area Imagery Service
 Feb. 2011 to Mar. 2011



United States
 Environmental Protection Agency
 Region 4

**Residential
 H2S Air Monitoring Results**

TDD Name: Reef Environmental
TDD No.: TTEMI-05-001-0185
City: Talladega **County:** Talladega **State:** Alabama
 Sylacauga

TETRA TECH

Date: 11/16/2012
Analyst: Ray Yeager

**REEF ENVIRONMENTAL SITE
RESIDENTIAL AIR MONITORING RESULTS**

Monitoring Location ID						
RES1	RES2	RES3	RES4	RES5	RES6	RES7
Intersection of Twin Street and Maryland Street	Intersection of Twin Street and Tennessee Avenue	28 Maryland Street	32 Millhaven Avenue	32 Cherokee Street	Seminole Avenue	Seminole Avenue
33.189129° North	33.186431° North	33.188077° North	33.186255° North	33.18576° North	33.185287° North	33.186306° North
86.260317° West	86.259398° West	86.260344° West	86.261474° West	86.262099° West	86.263337° West	86.265825° West
10/16/2012 (6:10 pm)						
(Weather: temperature = 67°F; wind = 0 to 3 mph from the east-northeast; relative humidity = 59%; barometric pressure = 29.89 inches)						
H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor
10/17/2012 (6:15 am)						
(Weather: temperature = 73°F; wind = 0 to 10 mph from the south-southeast; relative humidity = 46%; barometric pressure = 29.79 inches)						
H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor
10/23/2012 (3:30 pm)						
(Weather: temperature = 79°F; wind = calm; relative humidity = 32%; barometric pressure = 30.08 inches)						
H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected
10/24/2012 (6:25 am)						
(Weather: temperature = 54°F; wind = calm; relative humidity = 86%; barometric pressure = 30.16 inches)						
H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor	H ₂ S reading = 0 ppm moderate sulfur odor
10/30/2012 (1:30 pm)						
(Weather: temperature = 58°F; wind = 10 to 20 mph from the west-northwest; relative humidity = 28%; barometric pressure = 29.87 inches)						
H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected
10/31/2012 (6:30 am)						
(Weather: temperature = 38°F; wind = calm; relative humidity = 86%; barometric pressure = 29.96 inches)						
H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor

**REEF ENVIRONMENTAL SITE
RESIDENTIAL AIR MONITORING RESULTS**

Monitoring Location ID						
RES1	RES2	RES3	RES4	RES5	RES6	RES7
Intersection of Twin Street and Maryland Street	Intersection of Twin Street and Tennessee Avenue	28 Maryland Street	32 Millhaven Avenue	32 Cherokee Street	Seminole Avenue	Seminole Avenue
33.189129° North	33.186431° North	33.188077° North	33.186255° North	33.18576° North	33.185287° North	33.186306° North
86.260317° West	86.259398° West	86.260344° West	86.261474° West	86.262099° West	86.263337° West	86.265825° West
11/7/2012 (6:30 am)						
(Weather: temperature = 44°F; wind = 5 to 10 mph from the west-northwest; relative humidity = 89%; barometric pressure = 29.99 inches)						
H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor
11/8/2012 (10:30 am)						
(Weather: temperature = 51°F; wind = 0 to 5 mph from the north-northwest; relative humidity = 68%; barometric pressure = 30.25 inches)						
H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor
11/14/2012 (4:15 pm)						
(Weather: temperature = 53°F; wind = calm; relative humidity = 66%; barometric pressure = 30.27 inches)						
H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor
11/15/2012 (8:15 am)						
(Weather: temperature = 48°F; wind = calm; relative humidity = 88%; barometric pressure = 30.30 inches)						
H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor
11/20/2012 (3:40 pm)						
(Weather: clear; temperature = 70°F; wind = 5 mph from the west; relative humidity = 35%; barometric pressure = 30.09 inches)						
H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected	H ₂ S reading = 0 ppm no odor detected

**REEF ENVIRONMENTAL SITE
RESIDENTIAL AIR MONITORING RESULTS**

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Intersection of Twin Street and Maryland Street	Intersection of Twin Street and Tennessee Avenue	28 Maryland Street	32 Millhaven Avenue	32 Cherokee Street	Seminole Avenue	Seminole Avenue
33.189129° North	33.186431° North	33.188077° North	33.186255° North	33.18576° North	33.185287° North	33.186306° North
86.260317° West	86.259398° West	86.260344° West	86.261474° West	86.262099° West	86.263337° West	86.265825° West
11/21/2012 (6:15 am) (Weather: clear; temperature = 45°F; wind = calm; relative humidity = 87%; barometric pressure = 30.15 inches)						
H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm light sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor	H ₂ S reading = 0 ppm strong sulfur odor

Notes:

- General During residential air monitoring activities, a MultiRAE Plus instrument is used to obtain air monitoring readings for H₂S with accuracy down to 1 ppm
- ° Degrees
 - % Percent
 - F Fahrenheit
 - H₂S Hydrogen sulfide
 - mph Miles per hour
 - ppm Part per million