

# San Bernard Stakeholder Meeting #8

April 28, 2011



# Agenda

- **Welcome and Introductions**
- **TCEQ NPS Program Presentation**
- **Watershed Modeling Updates**
- **Watershed Signage Locations**
- **Technical and Financial Needs for BMPs**
- **Announcements and Next Meeting**

# Watershed Modeling Updates

- Sent CDM their signed contract and they have actively started working on their model selection
- We expect to have a model selection from them by May 13 which will then be sent on to TCEQ for approval
- CDM will attend the June stakeholder meeting to discuss model inputs, and they will also attend the August meeting to share results

# Modeling Schedule

Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	23	24	25	26
	3/4/2011	3/11/2011	3/18/2011	3/25/2011	4/1/2011	4/8/2011	4/15/2011	4/22/2011	4/29/2011	5/6/2011	5/13/2011	5/20/2011	5/27/2011	6/3/2011	6/10/2011	6/17/2011	6/24/2011	7/1/2011	7/8/2011	7/15/2011	8/5/2011	8/12/2011	8/19/2011	8/26/2011
1 Project Management & Start-up	★																							
- Kickoff Meeting	★																							
- Workplan for QAPP																								
- Sign contract																								
2 Model Selection																								
3 Modeling QAPP																								
- QAPP Review & Approval																								
4 Model Development																								
5 Evaluation of Bacteria Conditions																								
6 Stakeholder Support																								
- Contract end																								

QAPP approval assumed May 6, 2011; final payment invoice submitted no later than 4 months after approval of QAPP which will be September 6, 2011

★ Indicates project milestone (meeting with H-GAC and/or deliverable submittal)

# Follow up from BMP Prioritization

BMPs that will improve water quality?	RESIDENTIAL/LAND OWNER BMPs	BMPs that will be implemented in the watershed?
	<b>Education and Involvement for Landowners</b>	
2	Stream Team	10
6	Good housekeeping/yardcare	3
8	Pet waste cleanup	3
1	Brush Management – removal of invasive species to protect soils, control erosion, reduce sediment and improve water quality	3
5	Soil testing – to determine amount of nutrients needed	7
10	Repair and replacement of OSSFs – voluntary repair and replacement of older systems	13
	<i>Animal Control/Restrictions on off-leash</i>	
	<b>Land Acquisition</b>	
7	Conservation Easements	7

# Follow up from BMP Prioritization

BMPs that will improve water quality?	AGRICULTURE BMPs *indicate BMPs in approved Water Quality Management Plans by TSSWCB	BMPs that will be implemented in the watershed?
	<b>Crop Management</b>	
1	Water Quality Management Plans*	3
5	Nutrient Management* – manages the amount, timing, and placement of nutrients	2
2	Crop Residue Management*- leaving a protective layer of previous crop behind to help reduce erosion	0
0	Forage Harvest Management* - removal of field forage as hay, helps control insects, disease, and weeds	0
1	Conservation Crop Rotation* – growing of various crops in rotation to reduce erosion and improve soil	0
1	Terracing – creation of ridges and channels to reduce slope length and reduce erosion and sediment runoff	0
1	Contour buffer strips – channel that is shaped and graded to convey runoff without erosion and to protect water quality	1
12	Filter strips – grassy strip between fields and waterways to reduce sediment, organics and pollution from entering the waterway	12
0	Irrigation systems – improving efficiency of irrigation systems	0
1	Pest Management – management of weeds, insects, and diseases	0
9	Waste Utilization – application of agricultural waste in an environmentally friendly manner	8

# Follow up from BMP Prioritization

BMPs that will improve water quality?	CITY/COUNTY/ORGANIZATIONS BMPs	BMPs that will be implemented in the watershed?
	<b>Trash/Dumping</b>	
2	Watershed Signage	3
10	Enforcement - County/City enforcement of illegal dumping and disposal	14
1	Abandoned boats – identification and removal of abandoned boats	3
8	Trash pickup events	10
	<b>Enforcement</b>	
7	Updating design criteria and placement for new OSSF systems to ensure adequate space, proper placement and soil types	3
2	Work with Authorized Agents for OSSFs– creation of uniform reporting system, use of GPS in placement reporting	6
0	<i>Wastewater Treatment Plants</i>	2
	<b>Model Ordinances</b>	
7	Storm Water Pollution Prevention Plan	6

# Follow up from BMP Prioritization

BMPs that will improve water quality?	DOMESTIC ANIMALS AND WILDLIFE BMPs	BMPs that will be implemented in the watershed?
	<b>Cattle and Livestock Management</b>	
6	Waste management	5
6	Fencing	5
8	Alternate water sources	7
10	Prescribed Grazing	9
	<b>Wildlife Management</b>	
18	Feral hog programs	15

# BMP funding and responsible entities

- Complete worksheets
- Make comments on maps

# Watershed Signage

- CRP is funding watershed signage for the San Bernard Watershed
- Counties will be contacted
- Roads have been circled in red on the maps
- Please comment as to the location of these selected areas

# Funding for Additional Monitoring

- The TSSWCB has preliminarily approved us for further monitoring over the next two years. This includes:
  - Storm Event monitoring
  - Increased ambient monitoring from quarterly to monthly
  - Adding additional ambient sites for quarterly monitoring
  - Adding monthly outfall monitoring

# Other Announcements

- RUAA
  - Looking for sites on Gum Tree Branch – see handout
- Geospatial Data QAPP second draft sent to TCEQ
  - Includes OSSF mapping and land cover information
- Working on draft sections of the plan
  - Will forward to stakeholder group after TCEQ review
- Next meeting is June 16 in Wharton