

# Agricultural Conservation Technical Training

## *Level II Training*

April 29 – May 3, 2019

**DRAFT Agenda (updated 1-8-2019)**

<b>Monday</b> (Facilitator – Pete Vanderstappen) Evaluation reminder statement			
<b>Location – Keystone Conference Center, FITG</b>			
9:00–10:00 a.m.	Registration @ Keystone Conference Center	Shannon Wehinger, PACD	
10:00 a.m.	Open and Introductions	Pete Vanderstappen, NRCS State Conservation Engineer	
	Welcome, Conservation Concerns, and Safety	Denise Coleman, NRCS State Conservationist	
10:30 a.m.	Welcome and Remarks	Karl Brown, Executive Secretary, State Conservation Commission, Russell Redding, PA Secretary of Agriculture,	
	Comments from the Secretary		
11:30 p.m.	Lunch (at Keystone Conference Center)		
12:00 p.m.	Photo	<b>Group Photo and Pretest</b>	
<b><u>Agronomy</u></b> (Facilitator – Mark Goodson)			
12:30 p.m.	Soil Health Introduction & Soil Biology 101 / soil quality demonstrations	Mark Goodson, Tyson Myers	<b>Tab 1</b>
2:00 p.m.	Travel to Kaylor Farm		
2:30 p.m.	Farm Visit (Leave field by 3:45)	Tyson Myers, Mark Goodson	
4:30 p.m.	Arrive back at Keystone Conference Center. Leave lot by 4:45		
4:45 -6:45 (optional)	Forestry at FITG	Peter Hoagland and Tim Haydt	
<b><u>Engineering</u></b> (Facilitator – Yuri Plowden)			
12:30 p.m.	Engineering - Engineering Use/ID of Soils (Properties and Texturing)	Yuri Plowden, Tim Peters, Hosea Latshaw,	<b>Tab 1</b>
3:15 p.m.	Travel to Heagy Farm with Afternoon Break (boxed)	Yuri Plowden, Tim Peters, Hosea Latshaw	
4:30 p.m.	Arrive back at Keystone Conference Center. Leave lot by 4:45		
4:45 - ? (optional)	Forestry at FITG	Peter Hoagland and Tim Haydt	

<b>Tuesday</b>						
<b>Location – Keystone Conference Center, FITG</b>						
<b><u>Agronomy</u></b> (Facilitator – Yuri Plowden) Evaluation reminder statement - <b>Bring Laptops</b>						
7:30 a.m.	P Soil Geomorphology – Preview of Soils Pit	Yuri Plowden	<b>Tab 2</b>			
8	Depart for Training Farm (Heagy Farm)		<b>Tab 2</b>			
8:30	Biosecurity, count-off, head to stations	Yuri Plowden				
9:00-12:00 pm	Rotations (Soils, Agronomy)					
9:00-9:50 Switch (10 min) 10:00 – 10:50 Switch (10 min) 11-11:50	<table border="1"> <tr><td>Soils</td></tr> <tr><td>Agronomy 1</td></tr> <tr><td>Agronomy 2</td></tr> </table>	Soils	Agronomy 1	Agronomy 2	Yuri Plowden, Mark Goodson, Kris Ribble, Mark Myers	
Soils						
Agronomy 1						
Agronomy 2						
12:00-12:45	Box Lunch / biosecurity					
12:00-1:15	Travel back to KEYSTONE CONFERENCE CENTER and settle down					
1:30-2:00	Wrap up from the field	Mark Goodson				
2:00-4:00	RUSLE2 Intro / example / hands-on plug-and-chug	Mark Goodson / Yuri Plowden				
4:00-4:30	Q&A / Wrap-up/Leave lot by 4:45					
4:45 - ? (optional)	Stream Ecology (Bring Rubber Boots) Location: Stream located at end of conference center driveway @ road	Joseph Hovis and Jim Gillis				
<b><u>Engineering</u></b> (Facilitator – Don Murray) <b>Bring Laptops</b> Evaluation reminder statement						
7:30 a.m.	Hydraulics	Don Murray/Tim Peters	<b>Tab 2 Bring Laptops</b>			
9:30 a.m.	Morning break (at KEYSTONE CONFERENCE CENTER)					
9:45 a.m.	Hydraulics continued, Design of Practices	Don Murray/ Tim Peters				
11:45 a.m.	Lunch (at KEYSTONE CONFERENCE CENTER)					
12:30 p.m.	Travel to Geesaman Farm	Don Murray/ Tim Peters				
2:15 p.m.	Afternoon Break (at Geesaman Farm) Depart farm at 2:30 p.m.					
2:45-4:30 p.m.	Class Example Problem (at KEYSTONE CONFERENCE CENTER) Pack up and leave lot before 4:45	Don Murray/ Tim Peters				
4:45 - ? (optional)	Stream Ecology (Bring Rubber Boots) Location: Stream located at end of conference center driveway @ road	Joseph Hovis and Jim Gillis				

<b>Wednesday</b>			
<b>Location – Keystone Conference Center, FITG</b>			
<b><u>Agronomy</u></b> (Facilitator – Dan Ludwig) Evaluation reminder statement			
7:30 a.m.	Pasture Planning, Forages & Rotational Grazing	Dan Ludwig	<b>Tab 3</b>
10:00 a.m.	Morning Break (at KEYSTONE CONFERENCE CENTER)		
12:15 p.m.	Lunch (at KEYSTONE CONFERENCE CENTER)		
12:45 p.m.	Board vehicles for Bomgardner Farm		
1:00 p.m.	Pasture Walk: Grazing System Practices	Dan Ludwig and Matt Bomgardner (op.)	
2:30 p.m.	Break (boxed)		
2:45 p.m.	Forage ID, DM Estimation, Pasture Condition Scoring, Soil Health	Dan Ludwig and Matt Bomgardner (op.)	
4:00 -4:30 p.m.	Board vehicles for return to Keystone Conference Center. Leave lot before 4:45		
<b><u>Engineering</u></b> (Facilitator – Jerry Whiteside) Evaluation reminder statement			
7:30 –11:45 a.m.	Board vehicles, visit to farms and travel to quarry-Construction Materials & Quality Assurance/Human Side of Quality Assurance	Jerry Whiteside/Craig Krotzer	<b>Tab 3</b>
11:45am – 2:15pm	Quarry site visit and Lunch (boxed) (potty)	Jerry Whiteside/ Craig Krotzer	
2: 15– 2:30 p.m.	Travel to concrete plant		
2:30 – 3:30 p.m.	Concrete plant site visit (potty)		
3:30 – 4:30 p.m.	Farm Visit and head back		
4:30 p.m.	Arrive at Keystone Conference Center and leave lot before 4:45		

<b>Thursday</b> (Facilitator – Pete Vanderstappen) <i>Agronomy and Engineering – Together!</i> Evaluation reminder statement			
<b>Location – Keystone Conference Center, FITG</b>			
7:30a.m.	Integrating Social and Physical Factors in Conservation Planning	Gwendolyn Crews	<b>Tab 7</b>
8:15 a.m.	Ag Waste Planning	Pete Vanderstappen	<b>Tab 6</b>
9:00 a.m.	Forestry Overview	Peter Hoagland	<b>Tab 4</b>
9:30 a.m.	Conservation Planning – Inventory and Evaluation ( <i>Scenario Groups</i> )	Gwendolyn Crews	<b>Tab 5</b>
10:00 a.m.	Morning Break (at KEYSTONE CONFERENCE CENTER – <i>Clean up, break down tables, pack up supplies</i> )		
10:15 a.m.	Board vehicles for Hostetter Farm site visit then travel to Struphar Farm	Pete Vanderstappen	
12:00 p.m.	Lunch (boxed)		

12:45 p.m.  <i>12:45 – 1:15 p.m.</i> <i>Switch (10 min)</i> <i>1:25 – 1:55 p.m.</i>	Field Exercises at Struphar Farm – 4 Rotations; Pasture, Farmstead, Crop & Forest	Grazing – Dan Ludwig Farmstead – Pete V. Cropland – Mark Goodson Forestry – Peter Hoagland		
	Crop – Group A			Crop – Group B
	Forest – B			Forest – A
	Pasture – Group C			Pasture – Group D
	Headquarters – D	Headquarters – C		
1:55 p.m.	Afternoon Break (boxed)			
2:10 p.m.  <i>2:10 – 2:40 p.m.</i> <i>Switch (10 min)</i> <i>2:50 – 3:20 p.m.</i>	Field Exercises at Struphar Farm – 4 Rotations; Pasture, Farmstead, Crop & Forest	Grazing – Dan Ludwig Farmstead – Pete V. Cropland – Mark Goodson Forestry – Peter Hoagland		
	Crop – Group C			Crop – Group D
	Forestry – D			Forestry – C
	Pasture – Group A			Pasture – Group B
	Headquarters – B	Headquarters – A		
3:20 p.m.	Wildlife Field Exercise	Jim Gillis		
4:00 – 4:30 p.m.	Board vehicles for return to Keystone Conference Center. Leave lot before 4:45			

<b>Friday</b> (Facilitator – Jim Gillis)			
<i>Agromony and Engineering Together!</i> Evaluation reminder statement			
<b>Location – Holiday Inn, Grantville</b>			
7:30 a.m.	Review of Resource Concerns (together)	Mark Goodson / Pete V. / Dan Ludwig / Jim Gillis / Peter Hoagland	
	Conservation Planning: Developing Alternatives - Presentations (in scenario groups)	Mark Goodson / Pete V. / Dan Ludwig / Jim Gillis / Peter Hoagland	
9:30 a.m.	Morning Break (at KEYSTONE CONFERENCE CENTER)		
11:00 a.m.	Wrap-up – Tying it all together	Mark Goodson / Pete V. / Dan Ludwig / Jim Gillis / Peter Hoagland	
11:15 a.m.	Closing Thoughts & Certificates	Conservation Partnership	
11:30 p.m.	Boxed Lunch – Have a safe trip home!		