American Samoa has been the leader in the deployment of the dry litter technology for small-scale piggeries, due to commitments, innovation and resources from key partnerships. The “revolution” is led by the American Samoa Community College (ASCC), American Samoa Environmental Protection Agency, USDA Natural Resources Conservation Service, and the American Samoa Soil and Water Conservation District. In collaboration with these partners, University of Hawai‘i at Manoa with funding support from the National and Regional Water Programs, is organizing a Dry Litter Technology Summit and Educational Workshop planned for February 22 - 25, 2011. The week long event will include visits to the ASCC Land Grant piggery nutrient management demonstrations, field visits to several EQIP-funded dry litter installations, and round table discussions addressing the challenges and opportunities of proper nutrient management systems for deployment in the U.S. Protectorates in the Pacific and Caribbean. The activities will culminate in an educational workshop for piggery operators.

The summit is for technical assistance staff from NRCS, government agencies and the extension service to view, assess and provide input related to alternative nutrient management technologies for the development of a producer guide for appropriate waste management systems for island communities.

The workshop is geared for piggery owners, operators, local government and village leaders.

- Glen K. Fukumoto
Summit Workplan

Purpose: To gather information and enter into discussions with agency partners to develop a guidance document for appropriate nutrient management technologies for small-scale piggery operations in island communities. (U.S. Protectorates and beyond)

February 17, Thursday: Advance team arrival.

February 18, Friday:
- Preliminary workshop & logistics review with B. Rippy, A. Peters, J. Womack, J. Wimberly, J. Deenik and G. Fukumoto, L. Castro
- Visit ASCC demonstration site and EQIP piggery, prepare site factsheets

February 19-20, Saturday & Sunday:

February 21, Monday:
- Meet with B. Rippy and J. Womack at Pago Plaza.
- Assessment of EQIP dry litter piggery, soil and compost sampling, preliminary evaluation of soil test kits (J. Deenik)
- Evening arrival of Summit participants and Workshop speakers.

February 22, Tuesday: (Time & Location: 9:00 am, American Samoa Community College)
- Convene summit participants, introductions, and discuss overview of work plan, purpose and tasks (G. Fukumoto)
- Visit demonstration site at ASCC (A. Peters and B. Rippy)
- Soil sampling and test kit demonstration (J. Deenik)
- Visit EQIP funded (established, new, under construction) dry litter piggery sites (B. Rippy and J. Womack)

February 23, Wednesday: (Time & Location: 9:00 am, Tradewinds Hotel, Lupelele Room)
- Composting roundtable discussion (J. Wimberly)
- Soil properties, diversity and management (J. Deenik)
- Leptospirosis research update (M. Walker)
- Water quality monitoring in American Samoa (P. Wiles)
- *Facilitated discussions (site visits, needs, barriers) (L. Castro)
- Final workshop preparations

February 24, Thursday:
- Workshop and Field Day (see page 4), Registration begins at 8:00 am
- *After workshop, convene summit participants, facilitated discussions.
- NRCS participants departure

February 25, Friday:
- Site Assessment of new facilities, producer and agency follow up.

February 26-27, Saturday & Sunday:

February 28, Monday:
- Wrap up meeting with planning coordinators
- Depart PPG

* All Summit participant request to attend these important discussions.
Summit Participants

Program Coordinators:
- Glen K. Fukumoto, University of Hawaii
- Brian Rippy, American Samoa Environmental Protection Agency
- John Womack, USDA Natural Resources Conservation Service
- Alfred Peters, American Samoa Community College
- Larry Hirata, American Samoa Community College

American Samoa Key Personnel:
- Dr. Phil Wiles, American Samoa Environmental Protection Agency
- Brian Peck, USDA Resource Conservation and Development Program
- Kuka Matavao, American Samoa Environmental Protection Agency
- Sarah Tanuvasa, USDA Natural Resources Conservation Service
- Mili Apisa, USDA Natural Resources Conservation Service
- Christianera Tuitele, American Samoa Environmental Protection Agency
- Faaauuga Laititi, American Samoa Environmental Protection Agency

Special Invited Guests:
- Jim Wimberly, Ag/Energy Enterprises, LLC
- Dr. Jonathan Deenik, University of Hawaii

Southern State and Pacific Islands Regional Water Program:
- Lawerence Duponcheel, Northern Marianas College
- Dr. Mark Walker, University of Nevada-Reno
- Luisa Castro, University of Hawaii

NRCS Pacific Islands Area
- Joseph Tuquero, Guam
- Paul Lake, FSM-Pohnpei
- Susan Kubo, Hawaii-Aiea
- Ted McArthur, Hawaii-State Office
- Adam Reed, Hawaii-State Office

Facilitated Discussion Topics and Presentations:
- Piggery enforcement process and operator education
- Piggery planning process
- Composting challenges and Research opportunities
- Building material availability
- Compost analyses and beneficial utilization
- Soil sampling, analyses and crop production
- Hog production issues, others

Notes:
There maybe an additional cost for meeting room refreshments on February 23 of $7.00 per day (includes coffee, tea, water, and fruit service)
Workshop & Field Day Agenda

Date: February 24, 2011  
Time: Starting at 8:30 am  
Place: ACSS, Land Grant Conference Room

8:00 am  Registration
8:30 am  Welcome and Opening Remarks (Master of Ceremonies: Alfred Peters)

Dr. Dan Aga, Director, Community & Natural Resources Program, ASCC  
Fanuaitele Dr. Toa’fa Valaga’e, Director of AS EPA  
Honorable Governor Togiola Tulafono, Territory of American Samoa

9:00 am  Overview AS EPA Piggery Compliance Program, Christianera Tuitele
9:30 am  Best Management Practices:  
Ihaka System: Kevin Ihaka  
Dry Litter Technology: Glen Fukumoto  
Update on Waste Management - Pigs in Paradise: Jim Wimberly

10:30 am  Break
10:45 am  Overview of EQIP Program (John Womack)
10:00 am  Panel of Dry Litter Operators (Luisa Castro - Moderator)  
Asifoa Sosene, Leo Semaia, Mapasone Lau,  
Sa Iosia, Peter Tinitali

12:00 noon  Lunch, Sponsored by American Samoa Environmental Protection Agency  
Field Day - View ASCC Nutrient Management and Compost Systems

1:00 pm  Water Quality Impacts  
AS stream monitoring program (Dr. Phil Wiles)  
Leptospirosis research update (Dr. Mark Walker)

2:00 pm  Composting 101 (Jim Wimberly)
2:30 pm  Soils and Use of Compost in Cropping System (Dr. Jonathan Deenik)
3:00 pm  Animal Husbandry in Dry Litter Systems (Glen Fukumoto)
3:30 pm  Regional Piggery Waste Management Update: (Lawerence Duponcheel)
4:00 pm  Discussion, Evaluation & Closing Remarks (Brian Rippy, Jim Wimberly)
4:30 pm  Adjourn

Optional: View ASCC Nutrient Management and Compost Systems

50 persons maximum
Planning Logistics

Airlines:
- Passports are required for entry into American Samoa.
- Hawaiian Airlines is the only U.S. carrier that provides service to Pago Pago, American Samoa. There are two flights weekly, departing Honolulu on Thursday and Monday.
  - Honolulu (HNL) to American Samoa (PPG), Monday and Thursday
  - HA #465, depart 5:00 pm, arrive 9:40 pm
  - American Samoa (PPG) to Honolulu (HNL), Monday and Thursday
  - HA #466, departs 11:20 pm, arrive 5:40 am (next day)
  - Travelers from the Western Pacific who fly via Guam, will need to overnight in Hawai'i.
    - Guam (GUM) to Honolulu (HNL)
    - CO #2, depart 6:40 am, arrive 5:50 pm, (day before)
    - Honolulu (HNL) to Guam (HNL)
    - CO #1, depart 3:20 pm, arrive 7:05 pm (next day)

Lodging:
- Tradewinds Hotel, typical American style hotel. Summit Headquarters hotel.
- Tessarrea Vaitogi Inn. Very low key, quiet location, internet in the lobby.
- Pago Airport Inn. Small inn located in quiet residential area near airport.
- Moana O Sina. Small oceanside inn.

Car Rental:
- Avis Car Rental
- Friendly Car Rental
- Tradewinds Hotel

Food:
- There are many restaurants on the island, several modern grocery stores and many mom & pop stores around.
- Fast foods include McDonald’s, KFC, Pizza Hut and Carl’s Jr.
- Recommended local restaurants: Sooks (Sushi), Sadie Thompsons, Sadie’s by the Sea, Koko Bean, and Manuia.

Weather:
- Humid tropics, high 80’s to low 90’s. Expect some rainy days.

Time Zone:
- 1 hour behind Hawaii Standard Time
Summit Registration Form

Dry Litter Technology Summit and Workshop
February 22-25, 2011
Territory of American Samoa

Name: __________________________________________________

Affiliation: ____________________________________________

Address: ______________________________________________

City, State, Zip: _________________________________________

Email address: __________________________________________

Phone: _________________________________________________

There maybe an additional cost for meeting room refreshments on February 23 of $7.00 per day (includes coffee, tea, water, and fruit service)

Please return registration form by January 27, 2011

Mail to: Glen Fukumoto
         UH Cooperative Extension Service
         79-7381 Mamalahoa Hwy
         Kealakekua, HI 96750-7911

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