SOUTH PACIFIC APPLIED GEOSCIENCE COMMISSION
&
WORLD HEALTH ORGANIZATION

WATER SAFETY PLANS
TONGA SCOPING MISSION

ROUNDTABLE WRAP-UP MEETING
10.30am, 20 March 2006
Tonga Water Board conference room
Agenda:

- WHO/SOPAC Team present findings for discussion
- Agencies re-cap their current activities & potential role in Water Safety Plan
- Possible outputs for Tonga WSP pilot projects
- Suggested next Steps
- Possible structure for Project
- Steering Committee
- Pilot Sites
- Commitment by TWB and MoH
Findings:

- Very good scope for WSP pilots in Tonga (urban and rural) for dissemination / replication in the Pacific
- Strong commitment from MoH to work with TWB
- NGOs – Tonga Trust (and TANGO) – strong experience and interest
- Potential for partnerships / synergies exist (e.g. NZAID project, Institute Pasteur)
- Simple, consistent, standard tools and products are needed for use across projects (rural)
- TWB (operations, reliability, safety) could benefit from WSPs
- Both MoH and TWB capacities need to be assessed further
# Agencies recap potential role:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Current Programmes</th>
<th>Capacity</th>
<th>Interest</th>
<th>Potential Role</th>
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</thead>
<tbody>
<tr>
<td><strong>Tonga Water Board</strong></td>
<td>Institute Pasteur, NZAID Village Water Supply Project, Japanese village water Supply project</td>
<td>Laboratory, Trained Personnel, water treatment</td>
<td>Improve water quality</td>
<td>Lead implementing agency</td>
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<tr>
<td><strong>Ministry of Health</strong></td>
<td>NZAID Village Water Supply Project</td>
<td>Laboratory, Public Health Inspectors</td>
<td>Improve village water supply (rainwater catchment)</td>
<td>Implementing agency</td>
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<td><strong>Department of Environment</strong></td>
<td>Water Resources legislation, IWP</td>
<td>Awareness</td>
<td>Water Conservation &amp; maintain good water quality</td>
<td>Key Partner</td>
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<tr>
<td><strong>Tonga Community Development Trust</strong></td>
<td>NZAID/AUSAID Organics Project, Harvesting the Heavens Project, Village Women Development Project</td>
<td>Community Development</td>
<td>Increase awareness on rainwater tanks</td>
<td>Key Partner</td>
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<tr>
<td><strong>TANGO</strong></td>
<td>Rainwater Catchment</td>
<td></td>
<td>Improve village water supply</td>
<td>Key Partner</td>
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<td><strong>Central Planning Office &amp; AUSAID</strong></td>
<td>Community Development</td>
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<td>Small Grants Scheme</td>
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Possible products and outputs:

**Urban Pilot**
- Risk assessment / management system to ensure water quality
- Laboratory capacity (core functions) improved
- Key staff aware of SOP’s and risk management
- Contingency / emergency procedures and/or plans

**Rural Pilots**
- Water tank standards etc for various projects
- Guidelines for cleaning and maintaining rainwater tanks
- H2S Test production / recycling arrangements
Possible Project Structure:

Tonga Water Board

WHO / SOPAC & Experts

Tonga WSP Steering Committee

TWB - Urban

MoH - Rural

Urban Pilot

A major reticulated system

Tonga Trust, TANGO, Environment, Town Officers, other projects & donors

Rural Pilot(s)

Piped systems & Rainwater catchments
Possible Project Structure:

**Lead Implementing, external support coordinating agency**

**Tonga Water Board**

**Tonga WSP Steering Committee**

**TWB - Urban**
- Department of Environment, other projects & donors

**Implementing agencies**

**WHO / SOPAC & Experts**

**Body for Coordination of National Activities & Decision-making**

**MoH - Rural**
- Tonga Trust, TANGO, Town Officers, other projects & donors

**Partner agencies**
Possible Project Structure:

Tonga Water Board

Lead Implementing, external support coordinating agency

Tonga WSP Steering Committee

Body for Coordination of National Activities & Decision-making

Tonga Trust, TANGO, Town Officers, other projects & donors

Department of Environment

other projects & donors

TWB - Urban

Implementing agency

MoH - Rural

Implementing agency

WHO / SOPAC & Experts

Partner agencies
Possible next steps:

1. Commitment
2. Steering Committee Formation
3. Pilot Site(s) selection
4. Risk Management Training and Planning Workshop

Urban Pilot(s)

Rural Pilot(s)
Major reticulated system(s)

Piped systems & Rainwater catchment
<table>
<thead>
<tr>
<th>Activity</th>
<th>Weeks</th>
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<tbody>
<tr>
<td>Forming a Steering Committee</td>
<td>1</td>
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<tr>
<td>System description and analysis</td>
<td></td>
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<tr>
<td>Development of Tools &amp; activities</td>
<td></td>
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<tr>
<td>System Risk Assessment</td>
<td></td>
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<td>Water Safety Plan</td>
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<tr>
<td>Evaluation &amp; Verification</td>
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From Water Safety Plans Book 1 by Guy Howard and Sam Godfrey
Possible early activities:

- Preparations for workshop on risk assessment / management training and planning (proposed objectives, programme, participants, venue, experts, budget, logistics) by TWB/Steering Committee
- Preliminary urban system assessment and risk analysis by TWB using WSP worksheets
- Translate Sanitary Survey Forms into Tongan by MoH
- Possible H2S Test production / recycling arrangements by TWB/MoH
- Preliminary Laboratory inventory / status information from TWB for planning
Steering Committee:

Possible Composition:
Tonga Water Board,
Ministry of Health,
Department of Environment,
Tonga Trust, TANGO,
WHO CLO,
SOPAC National Rep (Lands and Survey),
AUSAID, NZAID, JICA
Central Planning
Steering Committee:

Possible Terms of Reference:

Role: Guide the implementation of the National Activities, make decisions on national activities

- Elect chairperson and meet as required
- Guide WSP national activities
- Ensure sharing of information among related projects
- Oversight of international and local inputs and resources
Pilot Sites:

**Urban:** a major reticulated system e.g. Nuku’alofa

Nuku’alofa system supplies 30% of the population

**Rural:**
1) village piped systems &
2) rainwater catchment

IWP Pilot project on community waste management at Nukuhetulu could be a good pilot
Commitment:

- Tonga Water Board input (time, effort) and players (who?)
- Nature of project support from WHO/SOPAC programme
- Memorandum of Understanding / Letter of commitment?