



**SOUTH PACIFIC APPLIED GEOSCIENCE COMMISSION**

**&**

**WORLD HEALTH ORGANIZATION**

# **WATER SAFETY PLANS**

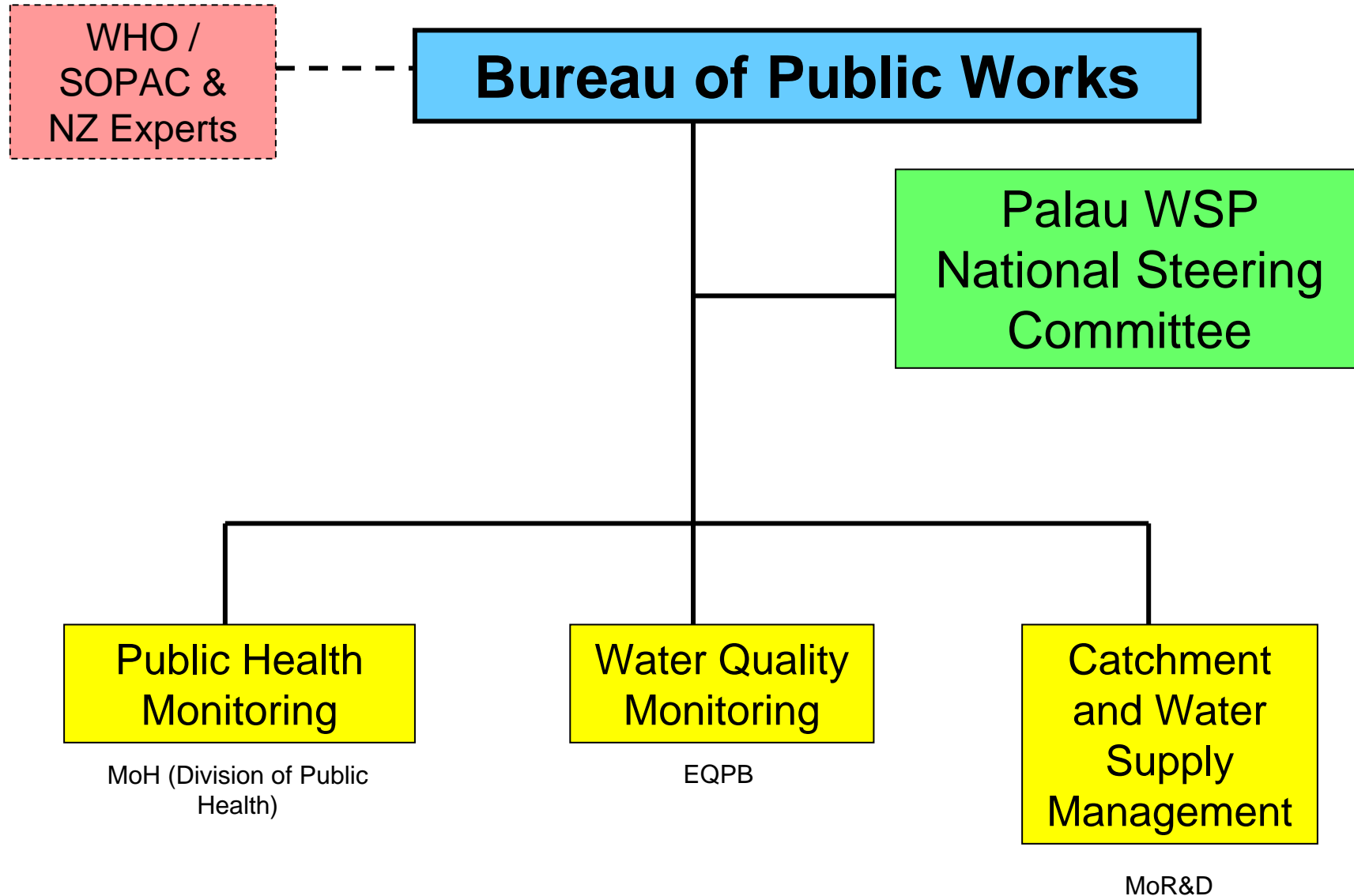
**PALAU SCOPING MISSION**

**WRAP-UP MEETING**

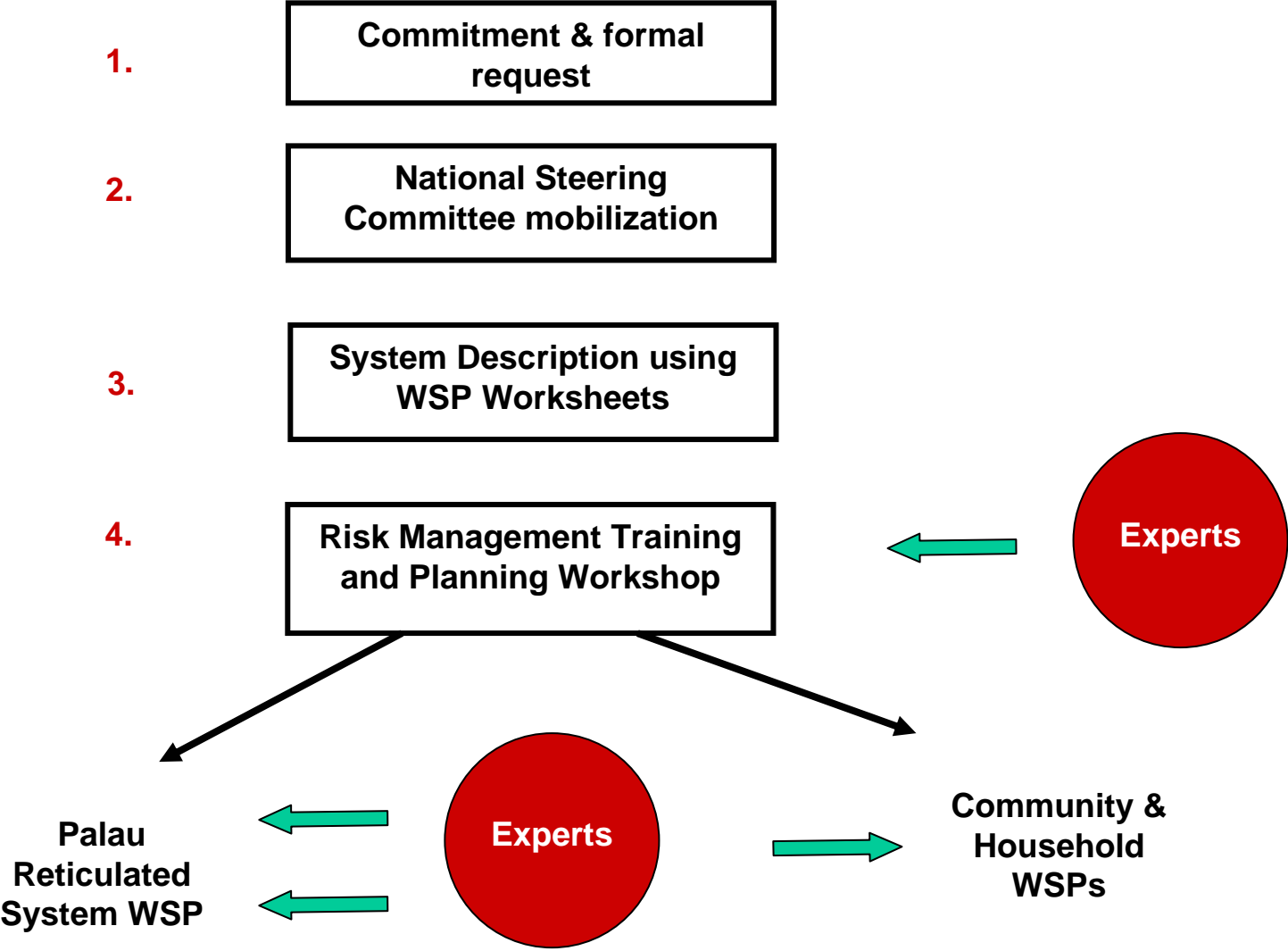
**Friday 9 June 2006**

**Bureau of Public Works**

# Possible WSP Project Structure



# Possible next steps:

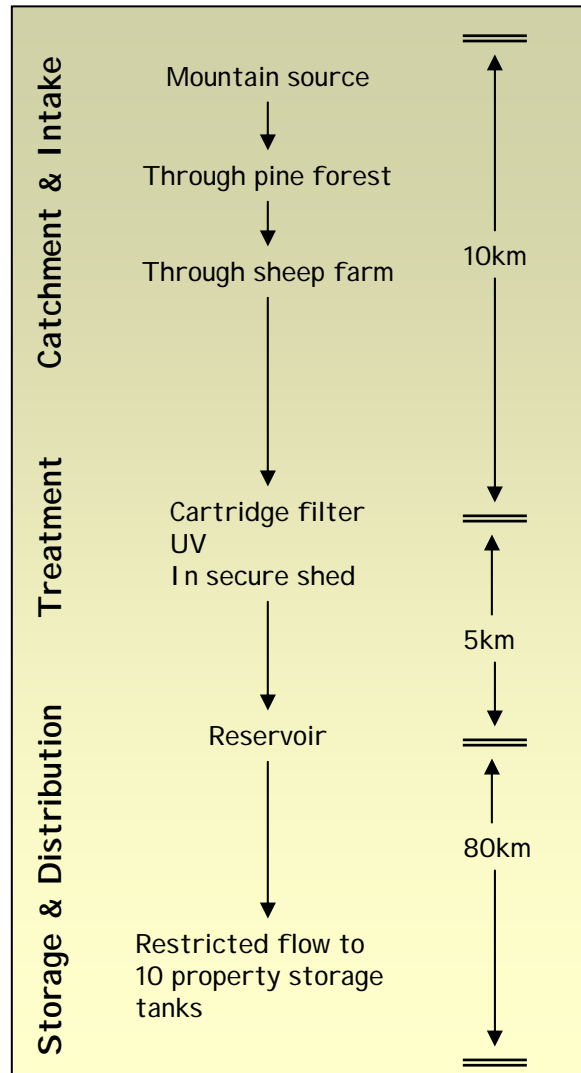


# Water Safety Plan steps & timetable:

Activity	2006										2007									
	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	
Forming a Steering Committee			■																	
System description and analysis			■	■																
Training/Planning workshop					■															
Development of Tools & Activities						■	■	■	■	■										
System Risk Assessment											■	■	■	■	■	■	■			
Water Safety Plan																	■	■	■	■
Evaluation & Verification																		■	■	■

# Template for a Water Safety Plan for a small water supply

Draw a schematic of your supply



Complete the 3 worksheets

**WORKSHEET: Storage & Distribution**

Have you considered:

- ✓ Vermin
- ✓ Rupture of tank or pipes
- ✓ Backflow
- ✓ Corrosion

Add your own reminders:

List what could happen that may cause drinking water to become unsafe (deterioration in water quality).

Is this under control, and how?

If not, judge whether it is a big deal. A big deal is one that happens a lot and/or could cause significant illness.

Sediment accumulating in storage tank causing deteriorating water quality	No	✓
Birds entering storage tank, defecating and dying	Yes, mesh over vents	

Complete the plan to manage the "big deals"

**PLAN TO MANAGE THE "BIG DEALS"**

Record the BIG DEALS from the three Worksheets. Expect no more than 3-5 in each Worksheet.

How can you remove or reduce or remedy this, and by when.

IMPROVEMENT SCHEDULE

Until remedied, how will you know when this is actually causing deterioration towards unsafe drinking-water?

What contingency is in place until this is removed or reduced or remedied? Who needs to know & how quickly? Who can help?

Catchment & Intake			
Treatment			
Storage & Distribution			

# Risk Assessment & Management Workshop and Planning



Workshop Schedule: Prep. day, 3 days training, 1 day planning, wrap-up day

Dates: August, September or October??

Training 3 Days

Participants:

Venue:

Programme:

Budget: to be submitted by Public Works

Planning 1 Day

Venue:

Programme:

Wrap-up 1 Day

# Draft Project Design



## Reticulated Supply

Follow 6-step process (approx. 6 months)

Inputs: Staff Training ('Train the Trainers' – for replicability in-country)

Experts

Objectives: Train BPW staff as WSP trainers

Replicability of WSPs in-country (both reticulated & household) and in other Northern Pacific countries

Improve drinking water quality & reliability

Stimulate donor response to capital improvements needed for drinkable water

# Draft Project Design



## Reticulated Supply

Outputs: Train the Trainers Workshop on Risk Assessment & Management

In-house Capacity to train **outer island staff** on WSPs

Improve Quality of Drinking Water (Long-term target)

Documentary / Instruction Video

Needed Capital Works identified and justified through WSPs

Inventory of Studies Reports, Plans etc

Area: intakes & catchments + distribution network

# Draft Project Design

## Household/small systems WSPs

Inputs: Staff Training ('Train the Trainers' – for replicability in-country)

Experts

Objectives: Increased awareness on household treatment options & Mngt.

Area: Whole of Palau (Koror / Babeldaob initially & outer islands long-term)

Development and testing of materials in selected communities

# Draft Project Design

## Household/small systems WSPs

- Outputs: Packages (toolkit) of IEC materials for community & households on
- Toolkit: H/H Rainwater Catchment Mngt. Kit – adapted as appropriate
  - Draft minimum standards for Rainwater Catchment (incl. in building permits/donors etc)
  - Documentary / Instruction Video (Target-Household; should have community examples)
  - Trained Trainers (BPW Officers, NGOs, MoH)

# Project Design

