

US EPA ARCHIVE DOCUMENT

# How Our Community Uses Health Study Results



**Teddy Nez**  
**Red Water Pond Road Community Association**

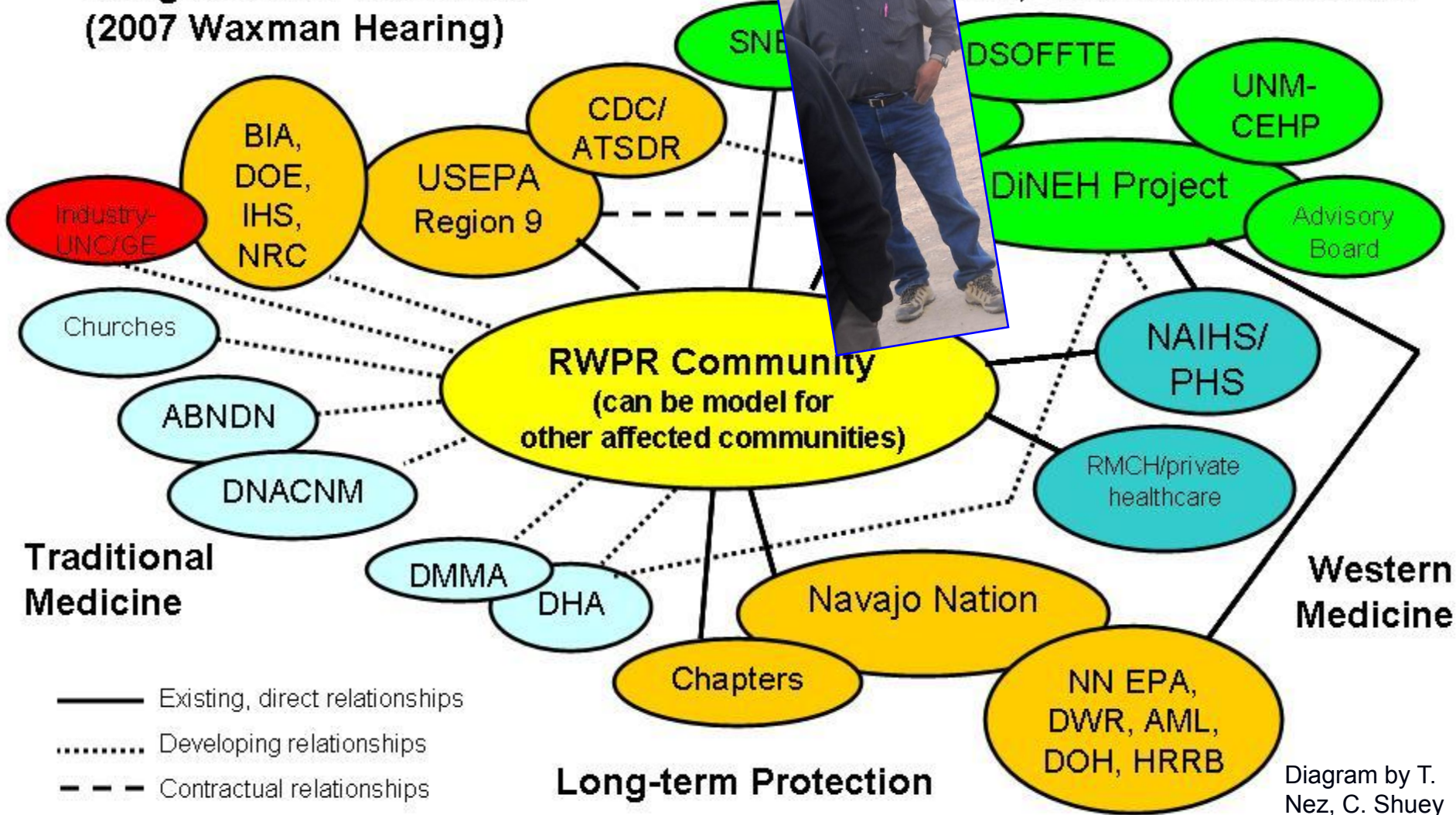
# Model of Responses to Community Concerns About Health and Environmental Effects of Uranium Legacy

Diagnosis, Treatment and Medical Monitoring from Western and Traditional Perspectives

Which hat today?

**Congressional Mandates  
(2007 Waxman Hearing)**

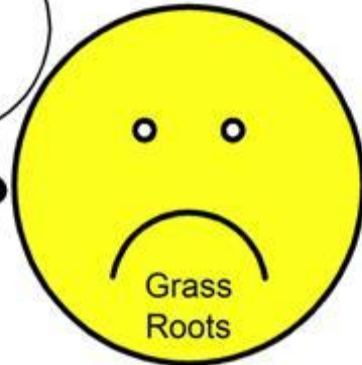
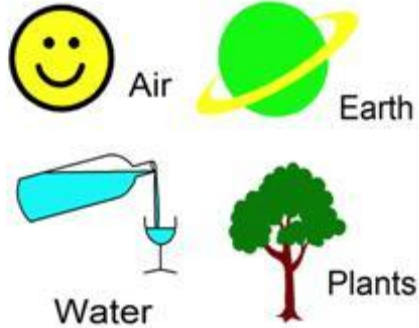
**Research, Technical Assistance**



# Etiology of Uranium Cycle on Navajo

## Long-term Protection

### # 1 - Human Health



1940s Mining Begins

1970s Lung Cancer linked to mining

1970s Shields small study Link between birth abnormality and living near mine

2001 RECA reform compensates downwinders, post '71 miners still excluded

2004 First Large-Scale Community Health Assessment (DiNEH Project) begins

2008 DiNEH Project shows first link to kidney disease from living near uranium mines

1980s RECA

1980s Animals grazing take up uranium in muscle

1980s UMTRA clean-up of mills

1990s AML mine stabilization

2005 Navajo ban on uranium mining and processing

2007 Waxman Government Oversight Hearings

2008 5-year plan for clean-up

2008 -- New Mining ?????

2013 -- Restoration of Navajo Lands???

1942

1940s-60s: Uranium Mining



1950s-1990s: Miners & Millers Studies

Contaminated Structures



1980s-present: UMTRA/AML

Navajo land use & health?

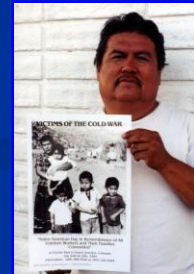
Tailings covers



1979: Church Rock Spill

Community health?

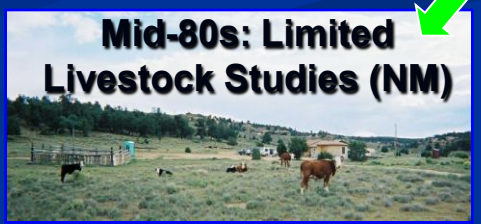
1980s: Birth Defects Study



Uranium mining, or other exposures?

Uranium worker families

1990s-2000s: Community Actions for Environmental Health



Mid-80s: Limited Livestock Studies (NM)

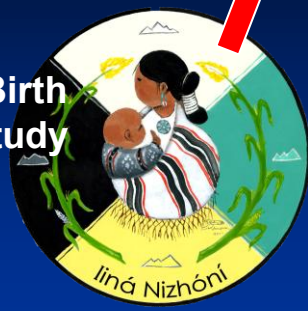
2003-2007: CRUMP



2001: DiNEH Project 1st Integrated Health Study



"Comprehensive" Health Studies?



2012: Navajo Birth Cohort Study

2010-11: DiNEH blood & urine study



2010-12 CUE-JTH: medical monitoring

- Other diseases?
- Biological reasons?
- Critical exposure ages?
- Other contamination?
- Early indicators?



2007: Waxman Hearing



Identification of health risks

Health Research on Navajo Uranium Legacy