

Cherokee Nation Clean Air Program Overview

-Ryan Callison

The Cherokee Nation Clean Air Program

- Largest Tribal Air Monitoring Network in the United States
 - Monitoring for the “Criteria Pollutants” – CO, SO_x, NO_x, O₃, & PM
 - Numerous special studies related to the Clean Air Act
- Primarily consists of 6 Continuous Air Monitoring Shelters
 - Tahlequah
 - Stilwell CastNet Station (Tour Site)
 - Pryor
 - Newkirk
 - Marble City
 - (Tribal Mobile Monitoring Program)
- CNEP Air Program participates in National Monitoring Programs
 - IMPROVE Regional Haze
 - CastNet Rural Ozone Monitoring
 - Mercury Deposition Network
 - National Trends Network
 - NCORE Monitoring Program
 - Community Air Toxics

Current Monitoring Stations:

Tahlequah

Stilwell

Pryor

Newkirk

Marble City

Mobile Monitor



Cherokee Heights Community
Pryor, Oklahoma



Newkirk IMPROVE

Regional Haze
Program



Stilwell CASTNet Station



Marble City Station

Community Complaint
Driven

Fine Particulate Matter PM2.5 sites:

Tahlequah-2

Newkirk-1

Pryor-1

Zia Pueblo (NM)-1

Marble City OK
(Special Study)



Marble City, OK



ITEC Mobile Monitoring Program

Continuous Levels:
PM2.5
PM10

Future Plans Include:

- *ITEC Program grant will remain an EPA §103 (project) grant.*
- *The Cherokee Nation will seek §105 (Program) funds in FY08 to assist with long-term monitoring programs. (TAS dependant)*
- *Application still pending to EPA for program authorization under Treatment as State (TAS) for affected state status for permit review and comment under Title V of the CAA.*
- *Stilwell site designated NCORE.*