

Pinal County - Managing For Results

Annual Report

FY 2010-2011

AIR QUALITY

Enforcement Program

Enforcement Activity

KR % of dust violators achieve compliance within 6 months from the original enforcement notice of violation date

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
80.00%	100.00%	80.00%	100.00%	80.00%	100.00%	80.00%	100.00%	100.00%	100.00%	100.00%

As each source comes into compliance by resolving the issues identified in the Notice of Violation and entering into a settlement agreement via an Order of Abatement by Consent data will be entered into this measure to reflect whether or not this has occurred within six months.

During the FY10/11 six dust sources were issued NOV's and five of them came into compliance within 6 months. The remaining source was issued an NOV in June 2011 and is still working to achieve compliance

Monitoring Program

Monitoring Activity

KR % of ozone data captured

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
80.00%	99.43%	85.00%	99.40%	92.00%	99.44%	93.00%	99.35%	99.00%	99.40%	99.00%

Annual data collection of 99.4 percent was well above original annual target (80%). We met the Year End Estimate.

KR % of PM10 and PM2.5 data captured

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
80.00%	98.46%	85.00%	98.61%	91.00%	99.14%	92.00%	99.19%	98.86%	98.86%	98.86%

Annual data collection of 98.9 percent was well above original annual target (80%). During the year loss of PM data was due to normal instrument checks and power loss, and minor operational issues. We anticipate met Year End Estimate.

Planning Program

Information and Education Activity

KR % increase in website visits to Air Quality monitoring/forecasting website

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate
5.00%	-44.59%	0.00%	-29.84%	0.00%	3.11%	0.00%	16.15%	0.00%	-18.05%	0.00%

There was a decrease in the website visits to the air quality monitoring/forecasting website during FY10-11. This could be due to the increased presence on AIRNOW and Twitter. Therefore people can receive the air quality forecast via Twitter thus making it less likely for them to access the forecast via the website.

KR % of Pinal County residents who state they have a better understanding and awareness of air quality issues

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate
75.00%	100.00%	75.00%	100.00%	75.00%	100.00%	75.00%	0.00%	100.00%	100.00%	100.00%

During the FY10/11 only 7 responses were received and all seven stated they had a better understanding of air quality issues.

AIR QUALITY

Planning Program

Planning Activity

KR % Healthy Days for PM10 at Cowtown

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
85.00%	93.10%	88.00%	85.87%	80.00%	90.00%	80.00%	57.14%	81.39%	81.39%	81.39%

The Cowtown PM10 site exceeded the federal health standard on 63 days during the year. The exceedances were the result of local emissions and wind blown dust. The Department will continue to provide daily forecasts and pollution information to sources in the area and the public to maintain awareness of the PM10 compliance issue. Controls implemented in the area had been effective in reducing the number of exceedances over time but recently this has changed. It is unknown what changes have occurred, speculation is that local controls have been reduced, but the probability of meeting the Annual Target in this FY is low.

KR % Healthy days for PM2.5 at Cowtown

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
95.00%	100.00%	95.00%	100.00%	95.00%	100.00%	95.00%	100.00%	100.00%	100.00%	100.00%

1 sample during the year exceeded the Health Standard. The exceedance occurred on May 2, 2010. Controls implemented in the area have reduced the number of exceedances over time.

KR % healthy days per site for Ozone

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate
98.00%	100.00%	98.00%	100.00%	98.00%	100.00%	98.00%	98.90%	99.73%	99.73%	99.73%

During the year 1 day did not meet the health standard for ozone in the county. The exceedance occurred at Apache Junction on June 8, 2011 as part of a region wide ozone event. Ozone concentrations will remain elevated through late August. as temperatures increase and transport is more favorable.

KR % healthy days per site for PM10 (dust) [NOTE: Excluded Cowtown]

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
94.00%	98.91%	95.00%	94.57%	95.00%	96.67%	95.00%	95.60%	96.44%	96.44%	96.44%

During the year PM10 NAAQS was exceeded on 15 days at several sites. 11 exceedances were primarily due to the wind blown dust while 4 were the result of local emissions. Wind blown exceedances were flagged in the EPA database as exceptional events and request submitted to EPA for concurrence. We will continue to provide PM10 forecasts and data reports to the public through the Web site, Enviroflash, and email services.

Travel Alternatives Activity

KR % of surveyed employees at mandatory and voluntary employers in the Travel Reduction Programs participating in alternative method usage

FY11 Target	Q1		Q2		Q3		Q4		FY11 YTD	
	Actual	YE Estimate	Actual	YE Estimate						
40.00%	47.17%	40.00%	63.68%	40.00%	67.21%	40.00%	38.14%	45.32%	45.32%	45.32%

Approximately 45% of surveyed employees in FY10-11 participate in alternative method usage. This is slightly above the annual target of 40%.

AIR QUALITY

Source Assistance Program

Compliance Activity

KR % of dust source site visits show substantial compliance with air quality rules

	Q1		Q2		Q3		Q4		FY11 YTD	
FY11 Target	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate
85.00%	99.45%	85.00%	100.00%	90.00%	100.00%	90.00%	99.48%	99.00%	99.64%	99.00%

During 1683 dust site visits were conducted and 6 dust Notices of Violation were issued. The high number of dust site visits is a result of our inspectors utilizing laptops loaded with a database program that allows them to quickly document site visits in the field. While the current numbers show a very high compliance rate it is possible that the compliance rate will decrease as the PM10 nonattainment process moves forward.

The USEPA has proposed a new PM10 nonattainment area that covers the western portion of Pinal County. A nonattainment designation will require the submittal of a State Implementation Plan that will most likely include more stringent dust control rules. We are currently working with ADEQ on formatting the required State Implementation Plan.

Permitting Activity

KR % of industrial permit applications final actions within the applicants requested time frame

	Q1		Q2		Q3		Q4		FY11 YTD	
FY11 Target	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate	Actual	YE Estimate
90.00%*	0.00%	80.00%	50.00%	90.00%	0.00%	90.00%	100.00%	33.33%	33.33%	33.33%

We have only had a handful of specific timeframe requests this year. We have encouraged sources to submit the form but we have had no success. At this point this measure is not an indicator that anything different needs to be done in our department, since otherwise we've never received other complaints.