



# Director's Report

FEBRUARY 2014

## Division Director's Report

The Air Quality Management Division, in partnership with the University of Nevada, Reno Business Environmental Program, is pleased to announce the 2014 Woodstove Exchange Program. The program will provide qualified residents of Washoe County with financial incentives up to \$1,100 to replace old, dirty-burning woodstoves with new, efficient, cleaner-burning devices. The goal is to replace up to 197 stoves within the areas affected by the **Keep it Clean – Know the Code** winter burning regulations. A list of the eligible zip codes, approved stove retailers, and other qualifying guidelines, including a link to the UNRBEP application packet, can be found at [www.OurCleanAir.com](http://www.OurCleanAir.com). A program flyer is attached to this report for reference.

The Woodstove Exchange Program follows one of the most challenging wintertime burn seasons ever recorded in Washoe County. This exchange program is a perfect way for AQMD to thank the citizens of Washoe County for complying with our burn code advisories. This program will provide people an opportunity to save hundreds of dollars and help to keep our air cleaner at the same time by upgrading their old stoves to new fuel efficient, lower emitting devices.

The funding for this program was made possible by a settlement between the U.S. Environmental Protection Agency and Edge Products, LLC as a result of a 2013 enforcement action. The UNRBEP has experience in similar rebate programs and is currently administering similar programs for Carson City and Douglas County.

Staff is in the process of planning the 2014 Rack Em Up at School Contest. This year, the AQMD will be awarding a total of \$3,000 in prizes to participating elementary, middle, and high schools. Awards will be presented for first, second, and third place prizes in the Fullest Bike Rack and Best Decorated Bike Rack Contests. These contests promote active transportation and chronic disease prevention programs.

### AIR QUALITY COMPARISON FOR FEBRUARY

Air Quality Index Range		# OF DAYS FEBRUARY 2014	# OF DAYS FEBRUARY 2013
<b>GOOD</b>	<b>0 to 50</b>	<b>17</b>	<b>7</b>
<b>MODERATE</b>	<b>51 to 100</b>	<b>11</b>	<b>21</b>
<b>UNHEALTHY FOR SENSITIVE GROUPS</b>	<b>101 to 150</b>	<b>0</b>	<b>0</b>
<b>UNHEALTHY</b>	<b>151 to 200</b>	<b>0</b>	<b>0</b>
<b>VERY UNHEALTHY</b>	<b>201 to 300</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>		<b>28</b>	<b>28</b>

## Air Quality Management Division

Additional Activities:

- February 25<sup>th</sup> – AQM staff participated in the Air & Waste Management Association tour of the Peppermill Resort Geothermal Facilities. The geothermal system has replaced all of the boilers in the heat plant and is providing all of the heat and hot water to the entire Peppermill facility. Their investment in the geothermal system has resulted in significant financial savings and emission reductions which supports the Air Quality Management

Keep It Clean. Know the Code. Summary													
2013-2014													
November 2013							December 2013						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2	1	2	3	4	5	6	7
3	4	5	6	7	8	9	8	9	10	11	12	13	14
10	11	12	13	14	15	16	15	16	17	18	19	20	21
17	18	19	20	21	22	23	22	23	24	25	26	27	28
24	25	26	27	28	29	30	29	30	31				
January 2014							February 2014						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28	

**HIGHEST AQI NUMBER BY POLLUTANT**

Air Quality

POLLUTANT	FEBRUARY 2014	YTD for 2014	FEBRUARY 2013	Highest for 2013
<b>CARBON MONOXIDE (CO)</b>	14	31	19	30
<b>OZONE 8 hour (O3)</b>	42	42	43	93
<b>PARTICULATES (PM<sub>2.5</sub>)</b>	70	111	74	174
<b>PARTICULATES (PM<sub>10</sub>)</b>	48	48	82	97

For the month of February 2014, the highest Air Quality Index (AQI) value reported was seventy (70) for PM<sub>2.5</sub>. There were no exceedances of Carbon Monoxide, Ozone, PM<sub>2.5</sub> or PM<sub>10</sub>. There were seventeen (17) days the air quality was in the good range, and eleven (11) days the air quality was in the moderate range.

**KNOW THE CODE**

The annual residential wood burning color code season ended on February 28. The Air Quality Management Division's *Keep It Clean - Know the Code* Program informs area residents whether or not lighting stoves or fireplaces is allowed, or advisable. Facebook, Twitter, and OurCleanAir.com provided timely air quality and burn code information to the public. The program runs annually from the first day of November through the last day of February. December's cold temperatures and calm winds contributed to elevated fine particulate matter (PM<sub>2.5</sub>) concentrations. The burn code was Yellow or Red for most of the month. During the 2013/2014 season, the AQMD declared 30 Yellow and 15 Red Burn Codes. A color coded burn code season calendar is attached to this report.

(see chart previous page)

**SIP Backlog:**

The Environmental Protection Agency (EPA) establishes National Ambient Air Quality Standards (NAAQS) for six pollutants. State Implementation Plans (SIP) are our commitments to implement, maintain, and enforce these NAAQS. SIPs are adopted by the District Board of Health and then formally submitted to EPA by the Nevada Division of Environmental Protection (NDEP). EPA by the Nevada Division of Environmental Protection (NDEP). EPA typically has 18 months to take formal action on SIP submittals. EPA Region IX has a backlog of approximately 18 SIP submittals from NDEP. Staff is coordinating with the NDEP, Clark County Department of Air Quality, and EPA Region IX to develop a plan to eliminate the current backlog and keep future submittals on schedule.

Planning & Monitoring Activity

*Dan Inouye, Branch Chief  
Planning and Monitoring*

Permitting Activity

TYPE OF PERMIT	2014		2013	
	FEBRUARY	YTD	FEBRUARY	ANNUAL TOTAL
Renewal of Existing Air Permits	103	207	103	1356
New Authorities to Construct	4	10	4	71
Dust Control Permits	7 (64.670 acres)	16 (182.79 acres)	19 (292 acres)	119 (1150 acres)

Wood Stove Certificates	15	32	22	364
WS Dealers Affidavit of Sale	6 (6 replacements)	12 (11 replacements)	17 (10 replacements)	99 (61 replacements)
WS Notice of Exemptions	250 (3 stoves removed)	1473 (15 stoves removed)	590 (7 stoves removed)	8356 (88 stoves removed)

<i>Combined Total for both: Asbestos Assessments and Asbestos Demo and Removal (NESHAP)</i>	78	256	93	1027
Asbestos Assessments	66	207	76	828
Asbestos Demo and Removal (NESHAP)	12	49	17	199

Compliance &  
Inspection Activity

Staff reviewed nineteen (19) sets of plans submitted to the Reno, Sparks or Washoe County Building Departments to assure the activities complied with Air Quality requirements.

Staff conducted sixty-two (62) stationary source renewal inspections in February 2014. Staff also conducted inspections on asbestos removal and construction/dust projects.

**Permitting and Enforcement Report**

In preparation for the upcoming Regional Licensing & Permitting Software Project, the Permitting Staff has started to evaluate current business processes. AQM staff met with the County IT staff to begin developing Swim Lanes for each of the permitting and enforcement activities that will be included in the new Accela Automation System. A separate evaluation of the permit conditions and emission calculations continues to identify opportunities for improved program efficiencies.

The Enforcement Staff has been busy with asbestos inspections including responding to the fires in the professional buildings on Pyramid Way. The remodel of the former Trader Dick's space at the Nugget discovered asbestos containing materials which required the AQM staff to oversee the abatement and clearance of the area.

The Permitting & Enforcement Branch welcomed Kristina Craig to the team as an Air Quality Specialist II. Kristina came to Air Quality through an Interdepartmental Transfer from Environmental Health. She has filled an inspector position that became vacant as a result of the retirement of Wallace Prichard. Kristina is not only a Registered Environmental Health Specialist with years of field experience but is also a Registered Nurse which will be a great asset to the Division.

*Charlene Albee, Branch Chief  
Permitting & Enforcement*

Enforcement Activity

COMPLAINTS	2013*		2012		
	MARCH	YTD	MARCH	YTD	Annual Total
Asbestos	2	4	2	6	18
Burning	1	2	3	3	8
Construction Dust	2	4	0	7	30
Dust Control Permit	3	5	0	4	7
General Dust	5	11	10	11	46
Diesel Idling	0	1	1	1	8
Odor	2	5	0	1	16
Spray Painting	1	1	0	0	5
Permit to Operate	0	3	4	11	55
Woodstove	3	8	0	6	16
<b>TOTAL</b>	<b>19</b>	<b>44</b>	<b>20</b>	<b>50</b>	<b>209</b>
NOV'S	MARCH	YTD	MARCH	YTD	Annual Total
Warnings	1	4	4	14	46
Citations	1	4	2	7	40
<b>TOTAL</b>	<b>2</b>	<b>8</b>	<b>6</b>	<b>21</b>	<b>86</b>