

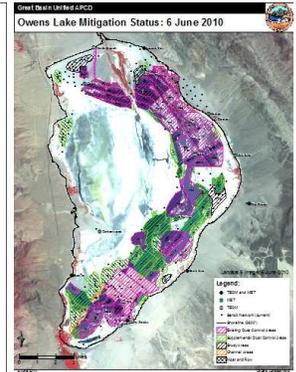


E-Sha News

Owens Lakebed Planning Committee

The goal of the Owens Lakebed Planning Committee is to develop a “master” plan for the Owens Lakebed. The Planning Committee will recommend the plan for adoption by agencies and organizations responsible for implementation. The plan will be a document that identifies a vision, broadly-supported goals, objectives, actions and projects to enhance the Owens Lakebed, including dust mitigation, habitat and wildlife, water efficiency, renewable energy resources, and economic interests. The plan will build upon concepts and technical information developed during the Conservation Action Plan process and provided within the Owens Lake Habitat Management Plan (OLHMP), as well as any other relevant plans and efforts. The Planning Committee consists of members that represent the following interest groups: Agriculture/Ranchers, Air Quality, Community, Economic/Local Business, Energy/Solar, Environmental (Bird and Native Plants), Governmental (County, State & Tribal), Open Space, Landowners, Public Access, Public Trust, Recreation and Water. Members live throughout the Owens Valley or work in agencies that have jurisdiction in or around the Owens Lakebed. The goals of the Planning Committee are to: Work collaboratively in an open process with other members who represent interests in the Owens Lakebed. Develop common understanding on present and future conditions of the Owens Lakebed. Negotiate in good faith to achieve consensus on how the Owens Lakebed will be managed into the future.

The Owens Lakebed Planning Committee last met on June 9, 2010, in Keeler. Meeting topics included environmental planning, water efficient dust control ideas, conditions necessary for solar and the Committee’s communication plan. The master plan’s environmental review process will run concurrently with plan development. The Committee will determine, in consultation with environmental specialists, when to commence the formal environmental review process and hold the initial scoping meeting. The Planning Committee reviewed the approval process for dust control measures and brainstormed new measures or hybrids of existing approved measures. Examples included adding islands into shallow flood, transitioning shallow flood to vegetation, applying brine to areas, developing solar facilities and integrating the Delta with shallow flood. LA DWP presented an overview of its water supply and conservation measures, describing Owens Valley aqueduct water supply and water application on the lakebed. The Planning Committee refined a draft communication plan. The goal of the communication plan is to inform and solicit input from a range of interested parties throughout plan development. The communication plan identifies tools to communicate with the stakeholder forum and broader community, including expanding an email list, developing a web site and creating fact sheets. According to the timeline set, it is anticipated that a draft Owens Lakebed Master Plan will be out in September, with the final plan scheduled to be completed in December. The next Planning Committee meeting is scheduled for June 30, 2010 in Bishop.



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Environmental Department News

Mel O. Joseph, Environmental Director - Alex Henson, Water Program Coordinator - Janice McRoberts, GAP Coordinator

RADON TESTING UPDATE

In April, the Environmental and Air Quality Department received results for its last deployment of short term radon test kits for the 2009/2010 winter testing season. Radon test kits have been deployed in Tribal buildings and homes in sets of ten. The test kits are left in the home or building for 7 days. After the 7 day test, the kits are collected and sent to the EPA's Radiation and Indoor Environments National Laboratory in Las Vegas for analysis. Testing results are received from the lab on a monthly basis. During the 2009/2010 short term testing season the Environmental and Air Quality Department tested fifty buildings and homes on the reservation for Radon. Of the 50 buildings and homes tested, approximately 32% tested in the high category, or above 4 pico curries per liter. EPA suggests mitigating buildings with readings above 4 pico curries per liter. The Environmental and Air Quality Department has received 150 long term radon test kits from the California State Radon Office. The long term tests will be placed in buildings and homes that tested above 4 pico curries per liter during the short term test. The long term tests will be deployed in the summer months and will remain in the building or home for three months. Unlike the short term tests, long term tests allow operation of cooling systems and fans and for windows and doors to be open. If long term testing of these buildings and homes results in sustained radon levels above 4 pico curries per liter it is highly recommended that the building/home be mitigated for radon. The Environmental and Air Quality Department has done some preliminary investigation into radon mitigation procedures and techniques. It seems that the most cost effective way of conducting radon mitigation is to have a Tribal employee, probably from the Utilities Department, trained and certified in radon mitigation. Materials can then be purchased and building/home mitigation can be done in house at a saving of approximately 75% over use of a contractor. On May 11th and 19th, the Air Quality Coordinator and GAP Coordinator deployed 20 long term radon test kits in homes and buildings on the reservation. The test kits will stay in homes until August. Stay tuned.



On May 8th, the Environmental Director, GAP Coordinator, Air Quality Coordinator and TANF Student Intern participated in the Annual Fiesta de Lone Pine Family Celebration held at the Russell Spainhower Park in Lone Pine. For the second year the department set-up an information booth that focused on both Climate Change and Fire Prevention education. Approximately 82 people signed in. As part of the Climate Change aspect, visitors stopping by the booth participated in a bioremediation project where participants were given a giant organically grown sunflower to plant in their yard. Visitors were educated that by planting plants in their yard they are helping to naturally eliminate toxins from the soil, air and water. In addition, prizes were given out to visitors that correctly answered questions relating to Global Climate Change. The next event that the department will participate in is the Annual Fourth of July Celebration held in Independence, CA

Meet the new Water Program Coordinator



Hello everyone! My name is Alex Henson, and I want to introduce myself to the Lone Pine Paiute Shoshone Reservation (LPPSR). I am the new Water Program Coordinator for the Environmental and Air Quality Department (EAQD) here with the Tribe. I am very excited to begin work with the Tribe and am looking forward to meeting everyone!

There are many experiences which have led me here to Lone Pine, but the driving forces behind my move to the Eastern Sierra are my interest in helping in the restoration of the areas watersheds and my desire to play in the mountains here. My education delivered me a Bachelor's of Science degree in Civil Engineering with emphases in water resources and environmental engineering from San Jose State University. I then went to work for the Bishop Paiute Tribe of the Owens Valley, where I learned many specific skills for water quality monitoring. I am excited to employ my skills and knowledge to help further LPPSR's vision for the Environmental and Air Quality Department.

The short-term goals that I have been outlining for myself include but are not limited to:

- Gain a clear understanding of the Clean Water Acts §319 and §106
- Establish relationships with all stakeholders of the Lone Pine Creek Watershed
- Begin taking water quality data to establish a basis of information from which to help understand the reservation's water system
- Help create community awareness about and involvement with the water quality here on the reservation

The longer-term goals of the EAQD that I plan to take on as I become familiar with the program are:

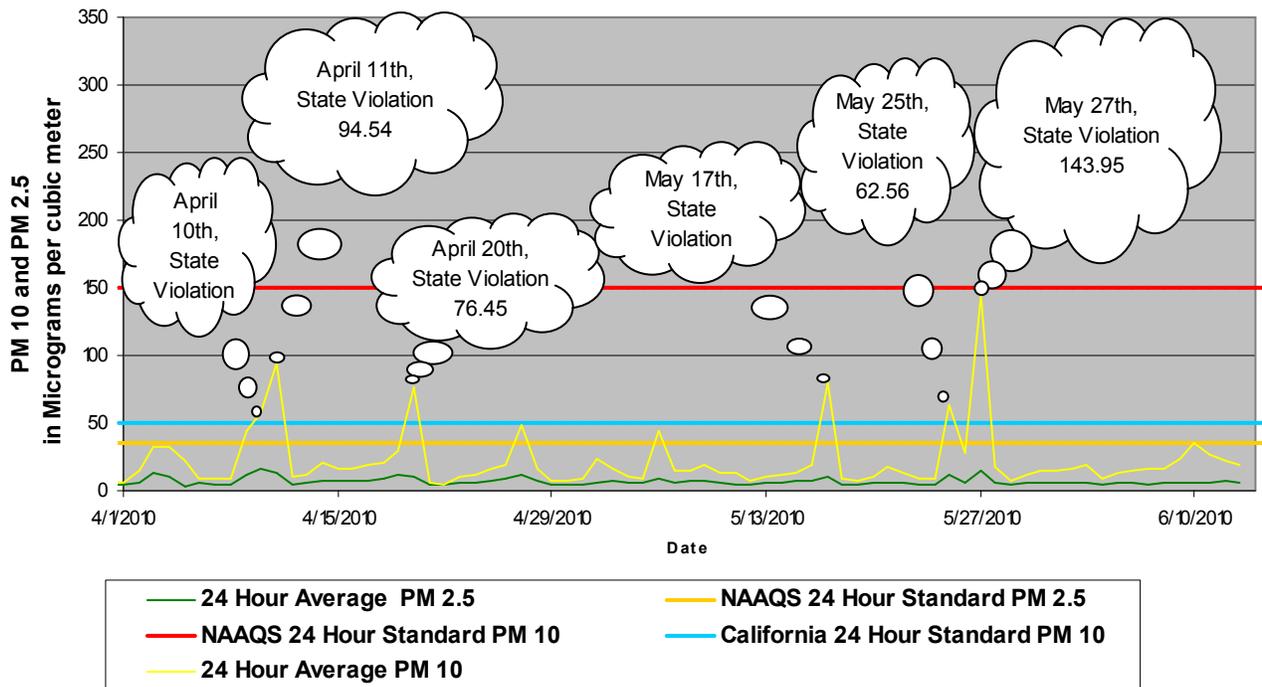
- Fulfill the Treatment in the Same Manner as a State requirements
- Create a set of Water Quality Standards for the Tribe to enable comprehensive watershed assessment and monitoring
- Strive towards the restoration of Lone Pine Creek

I hope that during my time here I am able to become a part of the community, and that I am able to aid in the establishment of a comprehensive watershed management plan. I look forward to meeting everyone here at LPPSR!

Air Quality Department News

Mel O. Joseph, Environmental Director — Justin Raglin, Air Quality Coordinator

Lone Pine Paiute-Shoshone Reservation Air Quality Data April, May, June 2010



During the month of April, the PM10 TEOM (air monitor) measured three exceedences of the 24 hour California Ambient Air Quality Standards (CAAQS) for PM10. The 24-hour state standard for PM 10 is 50 micrograms per cubic meter. The LPPSR state exceedences include violations on April 10th, when the 24-hour average PM10 concentration measured 57.32 micrograms per cubic meter, with a maximum hourly average of 211.91, April 11th which had a 24-hour average of 94.54 micrograms per cubic meter and a maximum hourly average of 889.43 and on April 20th with a 24-hour average of 76.45 micrograms per cubic meter with a highest hourly average of 467.75. The Great Basin Unified Air Pollution Control District issued Stage 1 Health Advisories for air pollution on April 20th and 27th. During the month of May, the PM10 TEOM (air monitor) measured three exceedences of the 24 hour California Ambient Air Quality Standards (CAAQS) for PM10. The 24-hour state standard for PM 10 is 50 micrograms per cubic meter. The LPPSR state exceedences include violations on May 17th, when the 24-hour average PM10 concentration measured 79.08 micrograms per cubic meter, with a maximum hourly average of 315.21, May 25th which had a 24-hour average of 62.56 micrograms per cubic meter and a maximum hourly average of 268.57, and May 27th with a 24-hour average of 143.95 micrograms per cubic meter with a maximum hourly average of 612.69. Based on hourly data from the LPPSR Air Quality Department's PM-10 TEOM, the Great Basin Unified Air Pollution Control District issued a Stage 1 Health Advisory for air pollution on May 27th, for the community of Lone Pine.

Stage 1 Health Advisories are issued when hourly particulate pollution levels exceed 400 micrograms per cubic meter. A stage 1 Health Advisory recommends that Children, the elderly and people with heart or lung problems refrain from strenuous outdoor activities in the impacted area.

Owens Lake Dust Mitigation Update

On April 1, 2010, the LA DWP was required to have 9.7 additional square miles (6,208 acres) of dust control operational on the lake bed-9.2 square miles (5,888 acres) of Shallow Flooding and 0.5 square miles (320 acres) of special "Channel Area" controls. Barnard Construction completed the shallow flood work on schedule and water was turned on in those areas in February and March.

On April 6, 2010, the LA DWP went before the State Lands Commission with a request that the state issue the LA DWP a lease for construction of the Moat & Row project. The State Lands Commission staff recommended the lease application be denied because they felt the Moat & Row control measure did not meet the state's public trust value preservation and enhancement responsibilities. The Commission agreed with their staff and unanimously denied the LA DWP's lease request. With the State Lands Commission's denial of Moat & Row, it is now impossible for the LA DWP to meet their SIP obligations. The 2008 SIP requires 3.5 square miles to be controlled with either Moat & Row or one of the approved Best Available Control Measures (BACMs). At this point, none of the approved controls can be constructed and operational by the October 1, 2010 deadline. Failure to meet the October 1 deadline will result in the Air Pollution Control Officer issuing Notices of Violation and fines up to \$10,000 per day of delay. Great Basin Unified Air Pollution Control District (GBUAPCD) staff is also concerned about the apparent lack of progress on the required 2 square-mile Phase 8 project. To date, GBUAPCD staff is not aware if the LA DWP has identified a dust control strategy for the Phase 8 area or started the required environmental documents.

**Lone Pine Paiute-Shoshone
Reservation Environmental
and Air Quality Department**

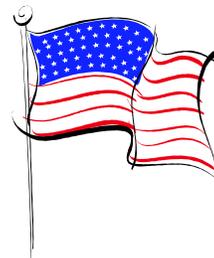
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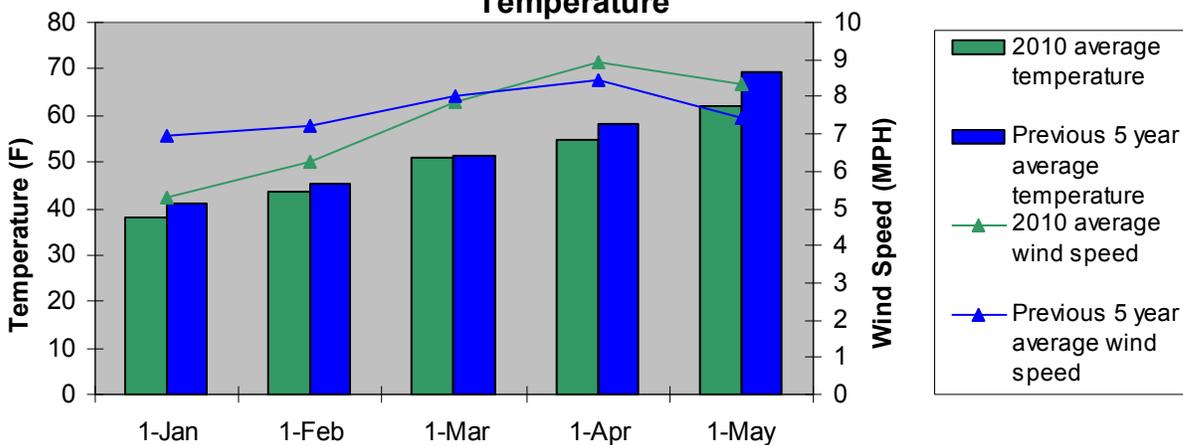
*"The Earth is a
spiritual presence that
must be honored, not
mastered"*

-Native American belief



Meteorological Analysis

**2010 Average Wind Speed and Average Temperature VS.
Previous Five Year Average Wind Speed and Average
Temperature**



The LPPSR Air Quality Department recently conducted some analysis on its meteorological data. The Department's 2010 meteorological data was analyzed against the Department's historical meteorological data. The two parameters analyzed were average wind speed and average temperature. 2010 average wind speed and average temperature data was plotted against the previous five year (2005-2009) monthly average wind speed and monthly average temperature data. This analysis resulted in some interesting findings. While late winter winds in 2010 were weaker than the previous five year monthly average, wind speeds in the spring months of April and May were stronger than the previous five year monthly average. High winds persisted long into the spring this year with abnormally high winds occurring in May 2010. Each of the first five months of 2010 had average temperatures below the previous five year monthly average. Respectively speaking, January, February, April, and May of 2010 were each the coolest in the last six years. In fact, April 2010 was 3.88° Fahrenheit cooler than the previous five year monthly average and May 2010 was 7.30° Fahrenheit cooler than the previous five year monthly average.