

FIREFIGHTERS ASSOCIATION
of NEVADA CITY

Nevada City Fire Department – 150th Anniversary

When: Saturday, June 19, 2010 from 9:00am – 4:00pm

Where: Pioneer Park – Lower Fields and Band shell

The Plan:

The Nevada City Fire Department is announcing its 150th anniversary of service in 2010. In conjunction with the Firefighters Association of Nevada City we are inviting the community to participate in a large celebration and educational event at Pioneer Park.

Opening ceremonies will be held at noon and will begin with a flag ceremony by the Nevada County Consolidated honor guard. We will honor the following people: Nevada City Fire Department past chiefs and current firefighters

All dignitaries – state and local

Moment of silence for those members of the department no longer with us

Food:

Hamburger or Hot dog, plus chips and a drink - \$5.00 prepared by the firefighters
Lazy Dog Confections

Commemorative Items:

New t-shirt design commemorating 150 years of service
Collector's coffee mugs

Static Displays:

Fire Engines / Trucks / Rescue's: All surrounding agencies from Nevada, Placer and Yuba counties will be invited to attend and are encouraged to bring either vintage or modern apparatus.

A piece of history: NCFD Hose Wagon and Cart

Demonstrations:

NCCFD Fire Prevention Trailer
Fire Facts
CalFire – Grass Valley Air Attack Group
Fire extinguishers

Activities:

Muster Drills for kids
(Knock a cone down with water, hose rolling & unrolling, ladder, PPE gear drills)

Entertainment:

DJ providing live music

P.O. Box 1943 • Nevada City, California 95959

CITY OF NEVADA CITY

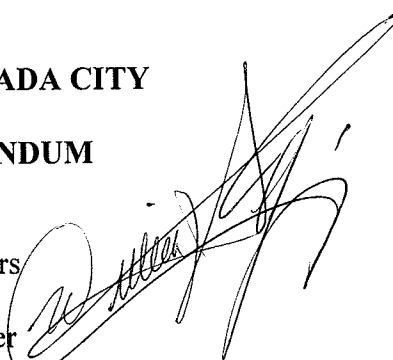
MEMORANDUM

TO: Honorable City Council Members

FROM: William J. Falconi, City Engineer
Verne Taylor, Director of Public Works

DATE: April 7, 2010

SUBJECT: New Sewer System Management Plan



RECOMMENDED ACTION:

Review plan with recommendations if any. Motion to adopt Resolution 2010-XX

BACKGROUND & DISCUSSION:

Enclosed, please find the proposed new City of Nevada City "Sewer System Management Plan." A copy is included for your reading pleasures. A summary is as follows; Organization, collection system, spare parts list, inspection, testing, emergency response, collection evaluation monitoring and tracking. The City already has most of this data in place; however, now the State wants all of the data to be documented and recorded. The City staff will follow through with our consultant to meet the State deadlines.

RESOLUTION 2010-XX

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEVADA CITY
ADOPTING THE SANITARY SEWER MANAGEMENT PLAN**

WHEREAS, State law requires all cities to update their Sanitary Sewer Management Plan periodically and such effort must be completed by June 1, 2010; and

WHEREAS, the Sanitary Sewer Management Plan is one of the state mandated elements required.

PASSED AND ADOPTED at a regularly scheduled meeting of the City Council of the City of Nevada City held this 14th day of April, 2010 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Reinette Senum, Mayor

ATTEST:

Niel Locke, City Clerk

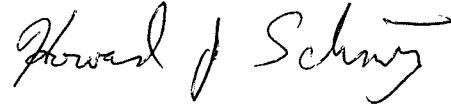
CITY OF NEVADA CITY
Memorandum

To: Honorable City Council

From: Howard Schmitz Chief Plant Operator WWTP

Date: April 6, 2010

Subject: Meeting our 2012 Effluent limitations



Recommended Action:

The new National Pollutant Discharge Elimination System (NPDES) permit requires the city to take actions and meet Time Schedule Orders in order to comply with the new effluent limitations set in the permit. It is my recommendation that the city authorize Ecologic Engineering to continue to work with the wastewater staff on the development and implementation of strategies for long term compliance with our NPDES. This work is a continuation of the process that started with the permit modifications nearly 2 years ago, and Ecologic is intimately familiar with all the details and data and is best situated to provide direction that will be in the City's best interest.

Background/Discussion:

On January 23, 2009 the new NPDES permit was implemented for the continued operation of the Nevada City WWTP with effluent discharge into Deer Creek. Along with the effluent water quality limitations that were placed in the permit for immediate implementation there were 4 constituents added that the state deemed as posing "reasonable potential of violation" to the Clean Water Act.

These constituents along with their interim and final effluent limitations are as follows:

Parameter	Units	Effluent Limits 6/1/2012	Interim Limit
Copper	ug/L	1.57	12.75
Zinc	ug/L	15.66	127.5
Carbon Tetrachloride	ug/L	0.25	4.7
Dichlorobromomethane	ug/L	0.56	26

The interim limitations have not been a problem to meet, but we are unable to meet the final limits as they are written in the permit with our existing facility. Consequently the state has placed requirements in the permit with the objective of achieving these final limitations by June 1, 2012.

The effluent limitations for Carbon Tetrachloride and Dichlorobromomethane (DCBM) are based on water quality objectives for the protection of human health and because no stream profile has ever been done on Deer Creek at the discharge of the Wastewater treatment plant the State set our effluent limitations as if we were the sole source of water for Deer Creek. Preliminary testing of our effluent indicates that Carbon Tetrachloride may no longer be present in our effluent at levels considered "reasonable potential" and will not be a problem in meeting our new limitations. We believe that with the proper data we should be able to demonstrate that Deer Creek has the assimilative capacity for DCBM, and should require no modification to the wastewater facility. If the data does not support this or the state is unwilling to consider it we will have to consider the options of UV or Ozone disinfection.

The effluent limitations for Copper and Zinc are based on water quality objectives for the protection of aquatic life. These limitations are water hardness dependent and were set by the state using hardness results that were obtained from reports that were 5 years old. New operating procedures that have been in place for 5 years now have stabilized and increased our effluent hardness, and we believe that using the more current and accurate data will raise our effluent limits effluent limitations to values that we can meet. Copper and Zinc are typically introduced in the wastewater stream by the corrosion of pipes in the potable water distribution system. We are currently working with the Nevada City Water Treatment Plant to minimize this corrosion through pH control.

Initially data will be gathered and the computations made to determine whether these constituents may be removed from the "reasonable potential" category or the limits raised to values that reflect the current operating conditions and receiving water potential. If this is the case, we will request that our permit be re-opened and amended to reflect this. This would be a best case scenario. As there is limited data available for the flow past the Nevada City WWTP, the state may require more studies such as Water Effect Ratio, mixing zone studies, and metals translator studies to deal with the Copper and Zinc issues.

Fiscal Impact:

The initial contract is not to exceed \$14,600 this will include analysis of the data we provide, estimation of dilution credits available in Deer Creek, analysis and estimation of the appropriate Copper and Zinc limitations using current data and recent Regional Water Board policies. It will also include alternative compliance options and their costs should our data show the need, or the states require them. A rough estimate of costs to come into full compliance by June 2012 range from roughly \$100,000 dollars if data supports our claims, and the state accepts these results to \$3,000,000 or more if alternate disinfection, diffusers, and all the metal studies need to be completed.

cc: Gene Albaugh, City Manager
Verne Taylor, Public Works Director
William Falconi, City Engineer

RESOLUTION NO. 2010-XX

**A RESOLUTION OF THE CITY COUNCIL OF NEVADA CITY
APPROVING A NOT-TO-EXCEED CONTRACT IN THE AMOUNT OF \$14,600 WITH
ECO-LOGIC IN ORDER TO COMPLY WITH NEW EFFLUENT LIMITATIONS SET IN
THE PERMIT FOR THE WASTEWATER TREATMENT PLANT**

WHEREAS, the National Pollutant Discharge Elimination System (NPDES) requires the City to meet Time Schedule Orders in order to comply with the new effluent limitations set in the permit; and

WHEREAS, this study is a continuation of the process started with permit modifications in 2008; and

WHEREAS, there will be considerable financial impact to the City for failing to meet these new effluent limitations.

NOW, THEREFORE, BE IT RESOLVED, the City Council of the City of Nevada City hereby approves the contract with Eco-Logic in an amount not to exceed \$14,600 to perform this study for the City and authorizes the Mayor to sign the contract on behalf of the City.

PASSED AND ADOPTED at the regular meeting of the City Council of the City of Nevada City on the 14th day of April, 2010 by the following vote:

AYES:

NOES:

ABSENT/ABSTAIN:

Reinette Senum, Mayor

ATTEST:

Niel Locke, City Clerk