IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA

IN THE MATTER OF APPLICATION NUMBER 54010
FILED BY Southern Nevada Water Authority
ON October 17 ~~, 20~~ 1989

PROTEST

FILED
MAR 23 2011
STATE ENGINEER'S OFFICE

Comes now Juab County a political subdivision of the State of Utah
Printed or typed name of protestant

whose post office address is 160 North Main Nephi, UT 84648
Street No. or PO Box, City, State and ZIP Code

~~whose occupation is~~ by and through the Juab County Board of Commissioners and protests the granting

of Application Number 54010, filed on October 17 1989 ~~, 20 89~~

by Southern Nevada Water Authority for the

waters of underground in Spring Valley Hydrographic Area #184 situated in White Pine
an underground source or name of stream, lake, spring or other source

County, State of Nevada, for the following reasons and on the following grounds, to wit:

See Attachment

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THEREFORE the Protestant requests that the application be Denied
Denied, issued subject to prior rights, etc., as the case may be

and that an order be entered for such relief as the State Engineer deems just and proper.

Signed Chad P. Winn
Agent or protestant

Chad P. Winn Acting Chairman Board of Commissioners
Printed or typed name, if agent

Address 160 North Main
Street No. or PO Box

Nephi Utah
City, State and ZIP Code

(435) 623-3410
Phone Number

glenng@co.juab.ut.us
E-mail

Subscribed and sworn to before me this 22 day of March, 20 11

ANNETTE J. LOVELL
NOTARY PUBLIC-STATE OF UTAH
COMMISSION# 576185
COMM. EXP. 09/22/2012

Annette J. Lovell
Notary Public

State of Utah
County of Juab

+ $25 FILING FEE MUST ACCOMPANY PROTEST. PROTEST MUST BE FILED IN DUPLICATE.
ALL COPIES MUST CONTAIN ORIGINAL SIGNATURE.

ATTACHMENT OF REASONS AND GROUNDS FOR JUAB COUNTY'S PROTEST AGAINST APPLICATION NO. 54010, FILED OCTOBER 17, 1989 BY SOUTHERN NEVADA WATER AUTHORITY

This attachment lists and briefly describes the reasons and grounds for this protest of Juab County Utah ("Protestant") against Application Number 54010 The Southern Nevada Water Authority ("SNWA" or "Applicant") has filed this Application to appropriate groundwater from Spring Valley as part of its massive proposed network of wells and pipelines stretching across eastern Nevada from Clark County through Lincoln County and into White Pine County (the "Pipeline Project").

In sum, Protestant asserts as reasons and grounds for this Protest that: (1) there is insufficient unappropriated water in the proposed source of supply to support the application or the proposed use; (2) the proposed use would conflict impermissibly with existing water rights and protectable interests in domestic wells; (3) the proposed use would be detrimental to the public interest on environmental grounds and would be environmentally unsound as it relates to the basin from which the water is proposed to be exported; (4) the proposed use would be detrimental to the public interest on economic grounds and would unduly limit future growth and development in the basin from which the water is proposed to be exported; (5) the proposed action is not an appropriate long-term use of water; (6) the Applicant has not justified the need to import water from another basin; (7) the Applicant does not have and is not effectively implementing an adequate or reasonable plan for conservation in the area of proposed use; and (8) the Applicant has not demonstrated the good faith intent or financial ability and reasonable expectation to actually construct the work and apply the water to the intended beneficial use with reasonable diligence. These protest grounds are further explained below.

1. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby deplete and diminish the water resources, specifically groundwater, which is available to Juab County and its businesses and residents.

2. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby have a negative impact on the residents of Juab County, Utah by depletion of the underground water aquifers and natural surface waters. Due to the recurring drought conditions throughout west Juab County, there is reduced recharge to the aquifers in this area and reduced surface water accumulations.

3. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby concentrate the use of water and lower the water table to such an extent that it will substantially reduce groundwater-dependent vegetation, which will destabilize soils and contribute to blowing dust resulting in reduced air quality in Juab County and northward into other Utah counties. Air quality is specifically impacted by the alkali nature of the soils in the area resulting in public health impacts and other social costs. In addition to causing severe respiratory problems, the particulate matter that will be mobilized in dust storms in these areas is likely to contain radioactive fallout that heretofore has been held in place by the groundwater-fed moisture in the soil and vegetation.

4. In addition to the other effects of groundwater table drawdown, granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby eliminate

specific sources and the overall available supply of groundwater in the hydrographic basin to support both existing economic activities and potential future economic growth. Existing economic activities that would be undermined include livestock and other ranching uses, agriculture, domestic uses, mining and prospecting uses, tourism and recreational uses. Future economic growth and development that would be unduly limited include the expansion of all of the above-listed activities, as well as potential future energy development. As a result, the proposed change(s) will have a negative impact on grazing, agriculture, mining, recreation, natural habitat, scenery and general aesthetics.

5. Based on the interconnectivity of the hydrogeologic structures in the Great Basin as identified by the USGS BARCASS report and other such investigations and reports, granting this application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby cause long-term detrimental effects on other ground water resources and flows in other parts of Juab County and other Utah counties, negatively impacting the agricultural industry of Juab County and other Utah Counties.

6. Granting the application and other applications filed contemporaneously therewith, will interfere with interbasin flow from Spring Valley to Snake Valley and thereby lower the static water level in the area of Juab County in the vicinity of the proposed underground pumping. Such changes will adversely affect the quality of the remaining ground water and will further threaten springs, seeps, and phreatophytes which provide water and habitat critical to the use and survival of wildlife species.

7. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby cause economic harm to Juab County including but not limited to depletion of the county tax base in the area and potential damage to the ability of agricultural interests to develop and expand in the area of the proposed underground pumping under the application and the other applications filed contemporaneously therewith.

8. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby conflict impermissibly with and impair existing senior water rights and protectable interests in domestic and agricultural wells in the basin of origin and other hydrologically connected basins within the same interbasin flow system.

9. The State Engineer previously has found that there is too much uncertainty, too little sound data and too great a risk of unsustainable over-appropriation in the interbasin flow system of which this basin is a part, for further appropriations to be permitted until substantial additional data were gathered and evaluated. Sufficient data gathering and evaluation have not been completed concerning interbasin flow from Spring Valley to Snake Valley, and until that happens it would be premature to permit any additional appropriation from hydrologically interconnected basins within the interbasin flow system and associated carbonate rock province, including the basin targeted by this application.

10. Given the lack of growth in the Las Vegas area due to the recent economic downturn there, and due to the fact that the applicant recently announced in the BLM EIS that it intends to use the groundwater available under this and the companion applications as a backup if other resources fail, the application should be denied absent clear proof satisfactory to the State

Engineer that applicant intends in good faith to the carry out the groundwater development project and construct the work necessary to complete the project and put the groundwater to beneficial use with reasonable diligence, as required by NRS 533.370(1)(c)(1).

11. NRS 533.370(1)(c)(2) requires applicant to provide satisfactory proof to the State Engineer of the applicant's financial ability and reasonable expectation actually to construct the groundwater project and apply the water to the intended beneficial use with reasonable diligence. Those requirements are not attainable under the current Las Vegas area economic downturn with its resulting economic difficulties for applicant and its member municipalities and districts, and applicant will have failed this statutory requirement outright if the economic downturn continues much longer, requiring that the application be denied outright.

12. There is no groundwater left in the hydrographic area targeted by the application that can be safely appropriated above and beyond that which is already appropriated without disrupting the interbasin flow from Spring Valley to Snake Valley. Therefore, under NRS 533.370(5) the application should be denied.

13. The use of groundwater proposed and targeted by the application and the interference it will cause to interbasin flow from Spring Valley to Snake Valley conflicts with existing water rights or with protectable interests in existing domestic wells as set forth in NRS 533.024. Therefore, under NRS 533.370(5) the application should be denied.

14. The use of groundwater proposed and targeted by the application and the interference it will cause to the interbasin flow from Spring Valley to Snake Valley threatens to prove detrimental to the public interest. Therefore, under NRS 533.370(5) the application should be denied.

15. Given the severity and duration of the economic downturn in the Las Vegas area and the resulting halt in economic growth, the applicant cannot justify the need to import water from another basin. Therefore the interbasin transfer of water targeted in the application and its resulting interference with interbasin flow from Spring Valley to Snake Valley should be denied as required by NRS 533.370(6)(a).

16. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby deplete the quantity and quality of water flow in various springs and seeps throughout the basin targeted by the application and will thereby diminish and otherwise damage riparian areas and the riparian vegetation, riparian wildlife, migrating birds and livestock that depend upon those riparian areas. Accordingly, under NRS 533.370(6)(c), the interbasin application targeted in the application should be denied as not environmentally sound as it relates to the basin of origin.

17. Granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby unreasonably deplete the water table throughout the basin targeted by the application and will thereby diminish and otherwise damage the phreatophytic vegetative species that depend on the water table as well as the wildlife and livestock that depend on those phreatophytic species. This loss of water will cause significant direct harm to many wildlife species and to wildlife habitat in the basin from which this Application proposes to appropriate and export water and in hydrologically connected downgradient basins within the same interbasin flow system. Among the species that will be harmfully impacted by this

loss of water are a number of federally and state protected species, including federally listed threatened and endangered species, which will be threatened with extinction as a result of the proposed appropriation and export of this water. The list of species likely to be harmfully impacted by the appropriation and export of water proposed in this Application, includes fish, amphibians, other aquatic species, groundwater-dependent mammals and other terrestrial species, bird species that depend on the springs, wetlands, wet meadows, and vegetation supported by groundwater, and a variety of insects, including rare butterfly species. As stated in paragraph 3 above, this phreatophytic plant loss will destabilize soils and contribute to dust and other air quality problems. Accordingly, under NRS 533.370(6)(c), the interbasin application targeted in the application should be denied as not environmentally sound as it relates to the basin of origin.

18. As stated in the previous paragraphs, granting the application will interfere with interbasin flow from Spring Valley to Snake Valley and thereby unduly limit the future growth and development in the basin of origin from which the water will be exported. Accordingly under NRS 533.370(6)(d), the interbasin application targeted in the application should be denied.

19. If the application is not denied outright, then any permitted use under this application should be conditioned upon and preceded by sufficient comprehensive studies of groundwater resources in the area and interbasin flow from Spring Valley to Snake Valley, and the impacts on those resources by limited incremental ground water pumping and withdrawal to intermittent levels. No additional pumping and export of water should be allowed unless the intermittent staged pumping in Spring Valley proves beyond a reasonable doubt not to interfere with the groundwater flow from Spring Valley to Snake Valley that could damage all of the resources of Juab County mentioned above.

Protestant Reserves The Right To Amend This Protest As May Be Warranted By Future Developments:

SNWA's proposed groundwater export project is on a scale never before seen in Nevada, or in the United States. Thus, it is not possible to anticipate all potential adverse impacts without further study. New scientific or other data and changed circumstances may uncover different bases for this protest. Accordingly, the above-named Protestant reserves the right to amend the subject protest to include such issues as they develop.