

February 17, 2011

TSXV: AVC

American Vanadium Announces Exploration Plan for 2011

Program Targeted to Expand Vanadium Resource in Nevada

American Vanadium Corp. is pleased to announce its plan to expand the vanadium resource on its existing landholdings in Nevada through an aggressive 2011 exploration program.

“Now that the Gibellini is solidly tracking towards delivery of a feasibility study mid 2011 and production at the end of 2012, we are now focusing on adding a substantial resource on the five other vanadium occurrences on our 6,600 acres,” said Bill Radvak, President and CEO of American Vanadium.

Alan Branham, Director of American Vanadium and exploration geologist, stated, “The first objective is to build on the Louie Hill deposit, which is adjacent to the current resource. Sixty recently acquired historic holes indicate economic grades are at the surface and may be expanded at depth and along strike. Louie Hill offers an attractive open pit target along the top of a hill. Secondly, at the nearby Del Rio project, large surface vanadium anomalies were discovered this last fall with values over 1% vanadium pentoxide that have not yet been closed off. Additional surface sampling is planned this spring. Once a permit and drill contracts are secured in the spring, we plan to drill test the Del Rio to determine thickness, grade and metallurgy of the target. The Del Rio targets are larger at the surface than found on the current resource at Gibellini.”

“We are fortunate that we can make significant exploration progress both quickly and relatively inexpensively as the targets are all near surface,” Mr. Branham added. “Given the work already conducted, and the knowledge we have gained, our goal is to significantly expand our NI43-101 resource base by the end of this year.”

American Vanadium has also recently acquired through staking 360 acres of unpatented claims, the Hot Creek vanadium prospect, in Nye County Nevada. Values up to 0.5% vanadium pentoxide have been found along a one kilometer long zone of favorable oxidized shale exposed along a ridge. The prospect appears to be located in a large thrust fault along trend of the Gibellini Vanadium Project. Additional testing is planned in the spring.

About American Vanadium Corp.

American Vanadium is currently developing the Gibellini Vanadium Project, a vanadium resource in the state of Nevada, USA. Vanadium is growing in importance as an alloying metal used to strengthen steel as well as the emerging uses in the mass storage of green energy for grid level applications and high performance lithium vanadium batteries for the automotive and mobile power sectors. American Vanadium's Gibellini Project is unique in its ability to have economic production of vanadium pentoxide for the steel industry as well as vanadium electrolyte for the mass storage of energy.

ON BEHALF OF THE BOARD

"Bill Radvak"

Bill Radvak, President and CEO

For further information, please contact: Bill Radvak, President & CEO
Tel: 604 488-5417
Email: bradvak@americanvanadium.com

NEITHER TSX VENTURE EXCHANGE NOR ITS REGULATION SERVICES PROVIDER
(AS THAT TERM IS DEFINED IN POLICIES OF THE TSX VENTURE EXCHANGE)
ACCEPTS RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THIS RELEASE.

Forward-Looking Statements

This press release contains "forward-looking information" within the meaning of applicable Canadian securities laws, including statements regarding the expected timeline for completion of the Feasibility Study, the design of the Gibellini Mine and the production of vanadium electrolyte. Such forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements of Rocky Mountain to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Factors that may cause actual results to vary include, but are not limited to, actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of vanadium; possible variations in reserves, grade or recovery rates; delays in obtaining governmental approvals or financing or in the completion of development or construction activities. Although Rocky Mountain has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. Rocky Mountain does not undertake to update any forward-looking statements, except in accordance with applicable securities laws.