

OSISKO ANNOUNCES EXERCISE OF OVERALLOTMENT OPTION

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(Montréal, February 23, 2016) Osisko Gold Royalties Ltd (the "Corporation" or "Osisko") (OR: TSX) is pleased to announce that the underwriters of the Offering (as defined herein), co-led by BMO Capital Markets and RBC Capital Markets, have exercised the over-allotment option in full to purchase an additional 1,491,000 units of the Corporation ("Units"). The over-allotment option was granted to the underwriters in connection with the bought deal public offering announced by Osisko on February 8, 2016 (the "Offering"). After giving effect to the full exercise of the over-allotment option, a total of 11,431,000 Units will be issued pursuant to the Offering for aggregate gross proceeds of C\$172,608,100.

Each Unit entitles the holder to acquire, for no additional consideration, one common share ("Common Share") of Osisko and one-half of one common share purchase warrant (each whole common share purchase warrant a "Warrant") of Osisko. Each full Warrant will entitle the holder thereof to purchase one Common Share of the Corporation at a price of \$19.08 per Common Share, for a period of 36 months following the closing date.

The Corporation plans to use the net proceeds from the Offering for working capital and general corporate purposes, including funding resource royalty and stream acquisitions. The Units to be issued under the Offering have been offered by way of a short form prospectus in all of the provinces of Canada.

The Offering is anticipated to close on or about February 26, 2016 (the "Closing Date") and is subject to certain conditions including, but not limited to, the receipt of all necessary approvals including the approval of the Toronto Stock Exchange and the applicable securities regulatory authorities.

The securities offered have not been registered under the U.S. Securities Act of 1933, as amended, and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements.

About Osisko Gold Royalties Ltd

Osisko is an intermediate mining royalty and exploration company with two world-class gold royalty assets. These two cornerstone assets are a 5% net smelter return ("NSR") royalty on the world-class Canadian Malartic gold mine, located in Malartic, Québec, and a 2.0-3.5% NSR on the Éléonore gold mine, located in James Bay, Québec. Osisko also holds a 1.7-2.55% NSR royalty on certain claims comprising the Island Gold Mine, a 1.7% NSR royalty on the Lamaque South Project, a 3% NSR royalty on the Malartic CHL property as well as a 2% NSR royalty on the Upper Beaver, Kirkland Lake and Hammond Reef gold exploration projects in Northern Ontario. The Company also owns a 9.8% equity interest in Labrador Iron Ore Royalty Corporation.

Osisko's head office is located at 1100 Avenue des Canadiens-de-Montréal, Suite 300, Montréal, Québec, H3B 2S2.

Forward-looking statements

This press release contains certain forward-looking statements with respect to Osisko (the "Corporation"). These forward-looking statements, by their nature, require the Corporation to make certain assumptions and necessarily involve known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these forward-looking statements. Forward-looking statements are not guarantees of performance. These forward-looking statements, including financial outlooks, may involve, but are not limited to, comments with respect to the business or financial objectives of the Corporation, that all conditions will be met to complete the financing, including the strategies or future actions of the Corporation, and its targets and expectations of financial condition. Words such as "may", "will", "would", "could", "expect", "believe", "plan", "anticipate", "intend", "estimate", "continue", or the negative or comparable terminology, as well as terms usually used in the future and the conditional, are intended to identify forward-looking statements. Information contained in forward-looking statements is based upon certain material assumptions that were applied in drawing a conclusion or making a forecast or projection, including management's perceptions of historical trends, current conditions and expected future developments, as well as other considerations that are believed to be appropriate in the circumstances. The Corporation considers its assumptions to be reasonable based on information currently available, but cautions the reader that its assumptions regarding future events, many of which are beyond the control of the Corporation, may ultimately prove to be incorrect since they are subject to risks and uncertainties that affect the Corporation and its business.

These factors are discussed in greater detail in the annual information circular of Osisko Gold Royalties Ltd and which is filed on SEDAR and also provides additional general assumptions in connection with these statements. Osisko cautions that the foregoing list of important factors is not exhaustive. Investors and others who base themselves on the forward looking statements contained herein should carefully consider the above factors as well as the uncertainties they represent and the risk they entail. Osisko believes that the expectations reflected in those forward-looking statements are reasonable, but no assurance can be given that these expectations will prove to be correct and such forward-looking statements included in this press release should not be unduly relied upon. These statements speak only as of the date of this press release. Osisko undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, other than as required by applicable law.

For further information please contact Osisko Gold Royalties Ltd:

John Burzynski Senior Vice President New Business Development Tel. (416) 363-8653 jburzynski@osiskogr.com Joseph de la Plante Vice President Corporate Development Tel. (514) 940-0670 jdelaplante@osiskogr.com