

51-102F3 Material Change Report

Item 1 Name and Address of Company

State the full name of your company and the address of its principal office in Canada.

**URANIUM NORTH RESOURCES CORP.
Suite 510, 510 Burrard Street
Vancouver, B.C.
V6C 3A8**

Item 2 Date of Material Change

State the date of the material change.

May 18, 2010

Item 3 News Release

State the date and method(s) of dissemination of the news release issued under section 7.1 of National Instrument 51-102.

NR #10-04 dated May 18, 2010 was disseminated by Stockwatch.

Item 4 Summary of Material Change

Provide a brief but accurate summary of the nature and substance of the material change.

Uranium North Resources Corp (UNR – TSX-V) announces that it has staked and recorded mineral claims over the F13 and Robin prospects adjacent to the Aura Prospecting Permits which were awarded to the Company in February 2010 (see news release dated March 24, 2010).

Item 5 Full Description of Material Change

5.1 Full Description of Material Change

Supplement the summary required under Item 4 with sufficient disclosure to enable a reader to appreciate the significance and impact of the material change without having to refer to other material. Management is in the best position to determine what facts are significant and must disclose those facts in a meaningful manner. See also Item 7.

Some examples of significant facts relating to the material change include: dates, parties, terms and conditions, description of any assets, liabilities or capital affected, purpose, financial or dollar values, reasons for the change, and a general comment on the probable impact on the issuer or its subsidiaries. Specific financial forecasts would not normally be required.

Other additional disclosure may be appropriate depending on the particular situation.

The Robin prospect is a 200 metre wide gossanous boulder and outcrop zone with known gold, copper, and silver mineralization. The zone extends more than 1.6 kilometres. Trenching results reported from the zone in 1964 show assays up to 0.55 oz/ton (18.9 g/T)

Au, 1.56 oz/ton (53.5g/T) Ag, and 9.91% Cu. The only two reported drill holes into the zone intersected minor nickel/copper mineralization. There were no assays for gold from the drill core as exploration was conducted primarily for nickel and copper. No additional work has been reported for this area since the mid 1960s.

“This is a tremendous opportunity for Uranium North to explore this zone from a gold perspective rather than nickel. The use of modern geophysical and geochemical tools will greatly enhance our search capabilities on the property,” says Mark Kolebaba, President and CEO of Uranium North.

At F13 gold, copper and silver mineralization was discovered in 1964 by Inco. Samples collected from trenches located along structures with more than 400 metres strike length assayed up to 4.9 oz/ton (168.0 g/T) Au, 1.59 oz/ton (54.5 g/T) Ag and 21.4 % Cu. Reported assay data is shown in the table below.

Historic assay results for F13 showing

Sample	Gold (oz/ton)	Gold (Grams/tonne)	Silver (oz/ton)	Silver (grams/tonne)	Copper (%)
Trench 1	0.11	3.77	0.03	0.86	2.02
Trench 3	0.06	2.06	0.12	4.11	21.4
Trench 4	0.88	30.17	0.41	14.06	12.12
Trench 6	4.90	168.0	1.59	54.51	17.6
Trench 6	3.64	124.8	1.18	40.46	14.0
Inco 1	1.82	62.40	0.76	26.06	10.98
Inco 2	0.66	22.63	0.26	8.91	5.46
Trench 8	0.25	8.57	0.11	3.77	5.83
QCP	0.5	17.14	0.22	7.54	0.25
CP	0.94	32.23	0.42	14.4	0.16

Original historical data reported in oz/ton and converted to grams/tonne by the Company using conversion factor of 34.2857. Historic sample interval widths not reported for trenches, therefore the Company assumes samples are grab samples.

This is an extensive area with high gold, copper and silver mineralization associated with intensive shearing and iron carbonate altered felsic volcanic rocks. It is a prime target area for gold exploration.

The Company is finalizing work programs for these properties.

Bruce Kienlen, P. Geol, Qualified Person as defined by National Instrument 43-101, has reviewed the historical data in this news release. The data has not been verified by the Company, however, it appears to have been collected under standard best practices consistent with the time and appears to be of reasonable quality.

5.2 Disclosure for Restructuring Transactions

This item applies to a material change report filed in respect of the closing of a restructuring transaction under which securities are to be changed, exchanged, issued or distributed. This item

does not apply if, in respect of the transaction, your company sent an information circular to its security holders or filed a prospectus or a securities exchange takeover bid circular.

Include the disclosure for each entity that resulted from the restructuring transaction, if your company has an interest in that entity, required by section 14.2 of Form 51-102F5. You may satisfy the requirement to include this disclosure by incorporating the information by reference to another document.

INSTRUCTIONS

(i) If your company is engaged in oil and gas activities, the disclosure under Item 5 must also satisfy the requirements of Part 6 of National Instrument 51-101 Standards of Disclosure for Oil and Gas Activities.

(ii) If you incorporate information by reference to another document, clearly identify the referenced document or any excerpt from it. Unless you have already filed the referenced document or excerpt, you must file it with the material change report. You must also disclose that the document is on SEDAR at www.sedar.com.

Item 6 Reliance on subsection 7.1(2) or (3) of National Instrument 51-102

If this Report is being filed on a confidential basis in reliance on subsection 7.1(2) or (3) of National Instrument 51-102, state the reasons for such reliance.

INSTRUCTION

Refer to subsections 7.1 (4), (5), (6) and (7) of National Instrument 51-102 concerning continuing obligations in respect of reports filed under subsection 7.1(2) or (3) of National Instrument 51-102.

Item 7 Omitted Information

State whether any information has been omitted on the basis that it is confidential information.

NO INFORMATION HAS BEEN OMITTED.

In a separate letter to the applicable regulator or securities regulatory authority marked "Confidential" provide the reasons for your company's omission of confidential significant facts in the Report in sufficient detail to permit the applicable regulator or securities regulatory authority to determine whether to exercise its discretion to allow the omission of these significant facts.

INSTRUCTIONS

In certain circumstances where a material change has occurred and a Report has been or is about to be filed but subsection 7.1(2), (3) or (5) of National Instrument 51-102 is not or will no longer be relied upon, your company may nevertheless believe one or more significant facts otherwise required to be disclosed in the Report should remain confidential and not be disclosed or not be disclosed in full detail in the Report.

Item 8 Executive Officer

Give the name and business telephone number of an executive officer of your company who is knowledgeable about the material change and the Report, or the name of an officer through whom such executive officer may be contacted.

MARK KOLEBABA
Tel. (604) 484-2212

Item 9 Date of Report

This report is dated the 18th day of May, 2010.