

For Immediate Release: April 20, 2006

Montreal, April 20, 2006 – Strateco Resources Inc. (TSX Venture Exchange: RSC; USA: SRSIF; Deutsche Börse (Frankfurt): RF9)

STRATECO CONFIRMS EXTENSION OF THE MATOUSH STRUCTURE AND EXTENDS PROJECT AREA SUBSTANTIALLY

Strateco Resources inc. ('Strateco') is pleased to announce that it has completed two new drill holes on the Matoush uranium project and has substantially increased the project area by acquiring 208 new claims.

In its last press release dated April 11, 2006, Strateco announced that the four holes drilled on the Matoush property had all intersected the uranium structure discovered by Uranerz Exploration and Mining in 1984, when Hole AM-15 returned a 16-metre intersection grading 0.95% U₃O₈ (19 pounds per ton) at a vertical depth of 220 metres.

The fifth hole (**MT-06-5**) also cut the Hole AM-15 uranium structure over a 2-metre thickness from 319 to 321 metres, with radioactivity of up to 13,000 counts per second as well as the new uranium zone previously identified over a 13-metre length (19,000 counts per second) by Hole MT-06-04. Hole MT-06-5 intersected the new zone over 10 metres (301 to 311 metres). The new zone is characterized by the presence of uranophane (secondary uranium mineral) and pitchblende. Radioactivity readings of up to 34,000 counts per second were obtained, the highest to date on the Matoush property.

MT-06-5 Intersection vertical depth: 234 metres – located 24 metres south of AM-15. Core recovery 100%.

Summary of mineralized intersections for the MT-06-5:

Hole #	Collar	Azimuth	Dip	From (m)	To (m)	Core length (m)	Estimated true width (m)	Maximum Counts/sec.
MT-06-5	10+20E/31+55S	267	-48°	301	311	10.0	8.5	34,000
				319	321	2.0	1.5	13,000

The Company was required to carry out work on the Eclat property, immediately south of the Matoush property, to maintain certain claims in the area. Hole EC-06-1 was drilled to confirm the presence of the Matoush structure.

Results were promising, with the fault intersected at a distance of 5.8 kilometres south of Hole AM-15 and 2.6 km south of the northern border of the Eclat property. The structure was intersected at 111 metres downhole, or 76 metres vertical depth.

While not mineralized, the hole encountered typical structural alteration, especially tourmaline, over a 10-metre section. The fault itself is strongly chloritized.

The initial phase of drilling on the Matoush project, which totalled 1,902 metres, ended on April 16 due to the spring break-up. Field work will resume in late May, once weather permits.

Increase in Project Area

Strateco received confirmation from the *Ministère des Ressources Naturelles et de la Faune du Québec* regarding the notice of map staking of 208 new claims adjacent to the Matoush project. These new claims cover a total area of 11,034 hectares (27,265 acres), increasing the total project area from 6,914 to 17,948 hectares (44,349 acres). The new acquisitions include 179 claims immediately to the north of the Matoush property, so that the project now covers a distance of 24 kilometres north-south. The remaining 29 cells lie immediately west of the current Eclat property.

Qualified Person

Jean-Pierre Lachance, geologist, is the qualified person as defined by National Instrument 43-101. He has over 30 years of experience in mining exploration.

Forward-Looking Statements

This press release contains forward-looking statements subject to certain risks and uncertainties. There can be no assurance that these statements will prove to be correct, and actual results and future events could differ materially from those implied by such statements. These risks and uncertainties are discussed in the annual report filed with the securities commissions of Alberta, British Columbia and Quebec, and in the 10-KSB annual report filed with the US Securities and Exchange Commission. The Company does not undertake to publicly revise or update any such statements on the basis of new information, future events or any other event.

- 30 -

For more information, contact:

Guy Hébert, President 450-641-0775
Or email: ghebert@bbhgm.com
Strateco Resources Inc.

Jean-Pierre Lachance, Executive Vice President 450-641-0775
Or email: jplachance@bbhgm.com
Strateco Resources Inc.

Website: www.stratecoinc.com

THE TSX VENTURE EXCHANGE DOES NOT ACCEPT RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THIS RELEASE.