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**Form 52-109FV1-Certification of Annual Filings
Venture Issuer Basic Certificate**

I, Robert J. Kasner, Chief Executive Officer of GLR Resources Inc., certify the following:

1. **Review:** I have reviewed the annual financial statements and annual MD&A (together the "Annual Filings") of GLR Resources Inc. (the "Issuer") for the financial year ended December 31, 2010.
2. **No misrepresentations:** Based on my knowledge, having exercised reasonable diligence, the annual filings do not contain any untrue statement of a material fact or omit to state a material fact required to be stated or that is necessary to make a statement not misleading in light of the circumstances under which it was made, for the period covered by the annual filings.
3. **Fair presentation:** Based on my knowledge, having exercised reasonable diligence, the annual financial statements together with the other financial information included in the other financial filings fairly present in all material respects the financial condition, results of operations and cash flows of the issuer, as of the date at and for the periods presented in the annual filings.

April 26, 2011
Date

"Robert J. Kasner"
Robert J. Kasner, CEO

NOTE TO READER

In contrast to the certificate required for non-venture issuers under National Instrument 52-109 *Certification of Disclosure in Issuers' Annual and Interim Filings* (NI 52-109), this Venture Issuer Basic Certificate does not include representations relating to the establishment and maintenance of disclosure controls and procedures (DC&P) and internal control over financial reporting (ICFR), as defined in NI 52-109. In particular, the certifying officers filing this certificate are not making any representations relating to the establishment and maintenance of:

- i) Controls and other procedures designed to provide reasonable assurance that information required to be disclosed by the issuer in its annual filings, interim filings or other reports filed or submitted under securities legislation is recorded, processed, summarized and reported within the time periods specified in the securities legislation; and
- ii) A process to provide reasonable assurance regarding reliability of financial reporting and the preparation of financial statements for external purposes in accordance with the Issuer's generally accepted accounting principles.

The Issuer's certifying officers are responsible for ensuring that processes are in place to provide them with sufficient knowledge to support the representations they are making in this certificate. Investors should be aware that inherent limitations on the ability of certifying officers of a venture issuer to design and implement on a cost effective basis DC&P and ICFR as defined in NI 52-109 may result in additional risks to the quality, reliability, transparency and timeliness of interim and annual filings and other reports provided under securities legislation.