

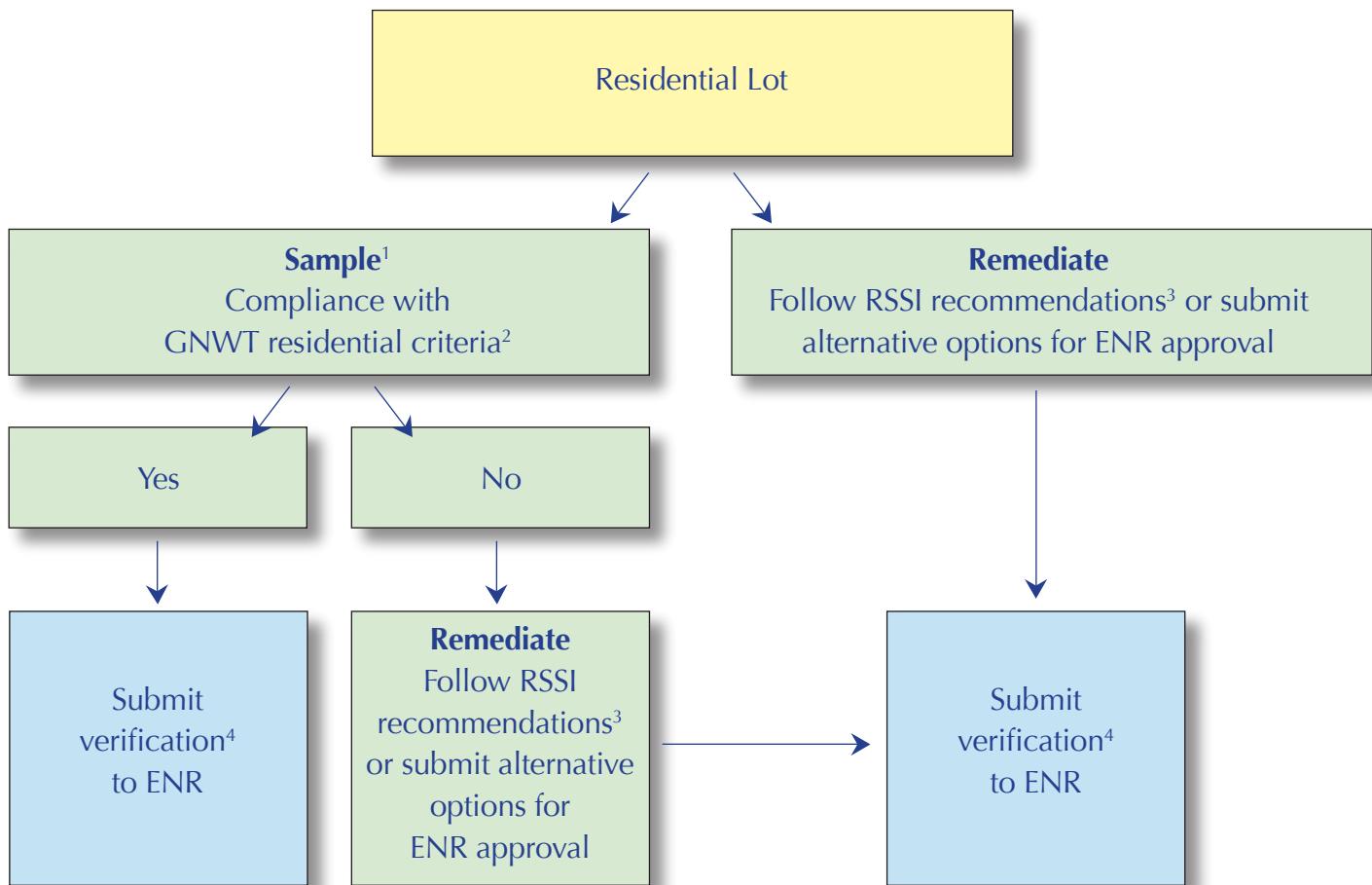
# Guide for Remediation of Arsenic Soils on Yellowknife Residential Property

This information is intended to inform City residents of their options for remediating any arsenic contaminated soils on their property. It presents two options for proceeding with remediation:

1. Sampling to determine if any clean up is required; or

2. Going directly to the remediation option.

Remediation can include removal or isolation of contaminants. It is important to note that sampling does not necessarily mean remediation will not be required. Sampling may in fact show that remediation is still necessary.



- Sampling or remediation not required under permanent structures that prevent or limit access, i.e. concrete floors, solid or plywood flooring, including sheds and greenhouses with floors; buildings or decks with solid skirting.
- Un-sampled/un-remediated crawl spaces should not be used for storage. People entering these areas must be advised of possible contamination, i.e. utility servicing
- Trees, shrubs, fences, can remain in place providing remedial measure covers all exposed soil. Remedial measures may affect viability of trees and shrubs.
- All soils or fill materials, including those beneath gardens must meet criteria. Alternatively, a 300 mm protective barrier,

or equivalent, can be installed as per RSSI recommendations.

- Existing landscaping may provide equivalent level of safety – determined case-by-case.
- Any remediation must conform to local civil grading and drainage plans.

<sup>1</sup> Top 30 cm composite – nodal on 3 m grid for total arsenic

<sup>2</sup> Including 160 parts per million (ppm) arsenic – GNWT Environmental Guideline for Contaminated Site Remediation, 2003

<sup>3</sup> Risklogic Scientific Services Inc. Arsenic Remediation and Risk Management Strategies for the Con and Rycon Trailer Courts, Yellowknife, Northwest Territories.

<sup>4</sup> Report from qualified person such as an environmental engineer, scientist or remediation specialist.

*This is a guide for arsenic-contaminated soils and does not deal with other possible residential contaminants such as heating oil.*

For more information regarding the above go to [www.enr.gov.nt.ca/eps/leg.htm](http://www.enr.gov.nt.ca/eps/leg.htm) or call the Environmental Protection Division at 867-873-7654.

*This guide is not a substitute for qualified remediation services.*