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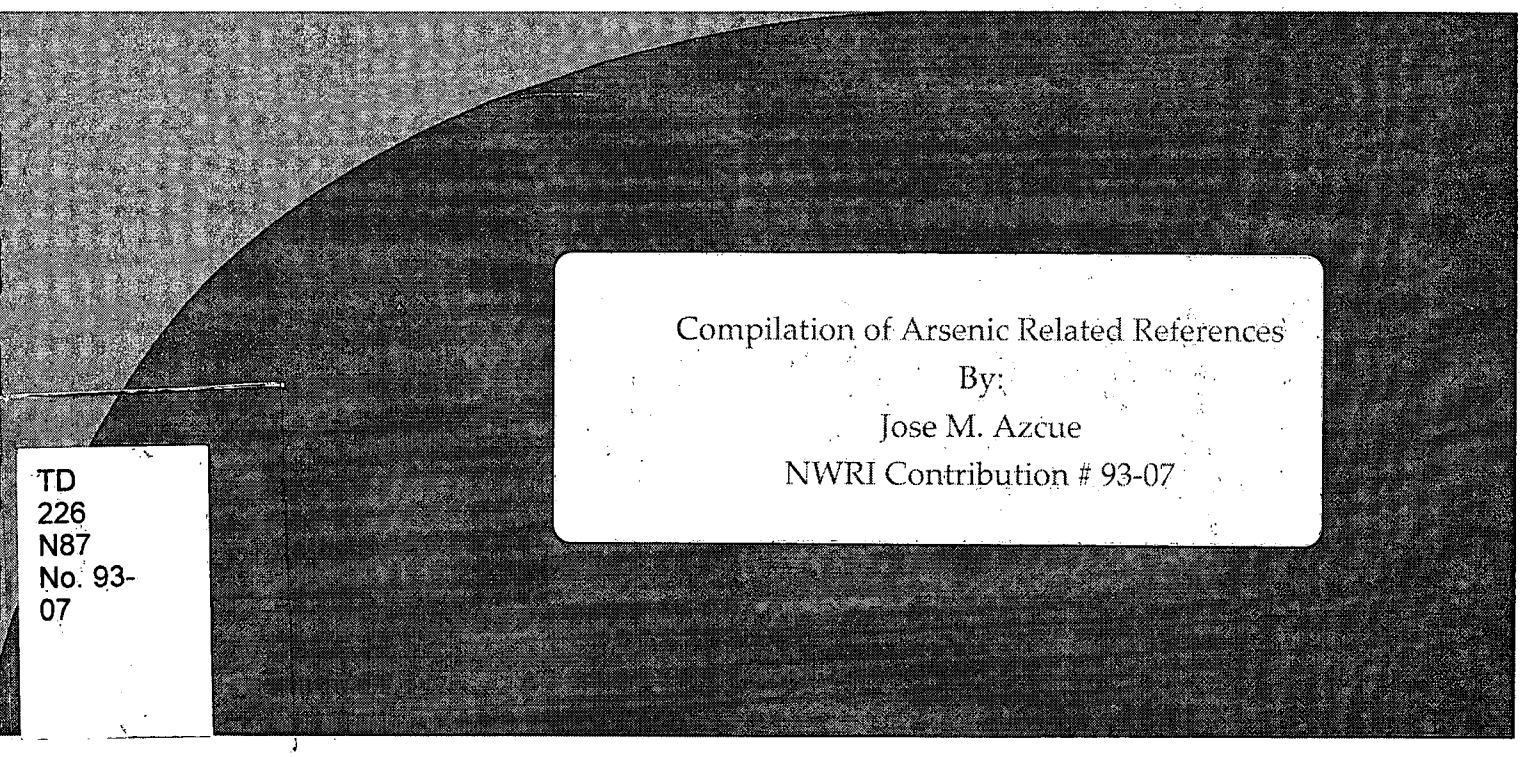

Compilation of Arsenic Related References

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NWRI Contribution # 93-07

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COMPILATION OF ARSENIC RELATED REFERENCES

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PREFACE

Recently, environmental contamination by arsenic originating from mining activities, particularly the gold mine wastes, received special attention in Canada. Many scientific papers and reports have been published on the distribution of arsenic in different environmental compartments. The extensive use of arsenic compounds and their toxic effects have resulted in publications of results of research dealing with arsenic in journals and books of a different scope, such as engenering and medicine. The main goal of this compilation of references is to facilitate the search for literature in different environmental studies involving arsenic. Further, the compiled references will be relevant in the evaluation of environmental effects of mine effluents recently considered a high priority in Canada.

In this document, the most recent arsenic-related references are divided into eight different groups: 1. chemistry of arsenic and treatment of arsenic-containing wastes; 2. analytical methods for the determination of arsenic in different media; 3. arsenic in freshwater (lakes, rivers, groundwater and rain); 4. arsenic in marine environment; 5. arsenic in soils, aquatic sediments, and sediment interstitial water; 6. arsenic concentrations in biota and food; 7. toxicity of arsenic and arsenic compounds; and 8. organo-arsenic compounds.

The grouping of the references is based on the main topic of each study. When the publication covers several of the eight topics, it is included only in one of the groups. Some older references considered relevant are also included in this compilation. For example, the paper by Challenger (1945), because it is the first one that reported biological methylation of arsenic.

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