



## **AMYN S. DAHYA, B.Sc (HONS); P.ENG.**

*Chief Executive Officer  
UtilEco Group of Companies*

### **SUMMARY**

Mr. Dahya is a Chief Executive Officer and Technical Specialist with a strong background in technology development, design, engineering, construction and plant operation in the waste management, environmental protection and mineral processing industries, internationally. Mr. Dahya has developed and commercialized a number of advanced technologies for purification of drinking water, as well as, decontamination of wastewater and polluted soils. He also provides specialist consulting services to global industrial clientele on compliance with environmental regulatory standards.

### **EDUCATION**

Mr. Dahya graduated in 1979, with a First Class Honours Degree (B.Sc.) in Chemical Engineering from Aston University in Birmingham, UK. He is also a fully licensed Professional Engineer with the Association of Professional Engineers, Ontario, Canada. (since 1981).

### **LECTURES**

Mr. Dahya has been a keynote speaker at a number of distinguished conferences including:

- The International Herald Tribune SADEC Conference attended by Presidents of the Southern African nations. Topic: *“Socially Responsible Development”*
- Environmental Technologies UK Congress. Topic: *“Treatment Solutions for Toxic Effluents”*
- Global Water Congress, Dubai. Topic: *“Technological Avenues for a Sustainable Green Initiative”*

He has also served as a guest lecturer at the University of Arizona speaking on the subject of *Cultural Aspects of doing Business in Asia*, at a program organized for leaders of the U.S.A.I.D Program prior to their posting to Asian countries.

Water is our Business - A Clean Earth is our Goal



## PROFESSIONAL CAREER

### *1998 to date* **UtilEco Group of Companies**

Chief Executive Officer & Technical Specialist  
Building Research Establishment (BRE) – UtilEco Ltd.  
Director and Technical Specialist

**Experience:** Research, development and commercialization of advanced technologies for decontamination of sewage and industrial wastewater. Mr. Dahya has led the implementation of projects involving design, engineering, installation and operation of sewage treatment plants, agricultural waste treatment plants, golf course water recycling systems, waste water treatment plants for decomposition of oils and hydrocarbons from ports, oil terminals and refineries; and treatment of landfill leachates from waste disposal sites. In addition, Mr. Dahya has also developed and implemented projects involving clean-up of sewage contaminated rivers and oils spills in water and on land.

### *1993 - 1998* **Waterpure International, USA**

President and Technical Specialist

**Experience:** Development and commercialization of a broad range of water purification technologies for the upgrading of water quality from contaminated rivers and groundwater sources to potable water standards. Mr. Dahya has led the design, engineering, installation and operation of water purification plants in the USA, Vietnam, India, Africa and the Middle East. He has also managed the structuring of joint ventures and procurement of project financing for these water purification projects.

### *1986 - 1993* **Casmyn Research & Engineering, Canada**

Director & Consulting Engineer

**Experience:** Technical consulting services to the international mining industry with special emphasis on decontamination of wastewater containing cyanide and heavy metals. In addition, Mr. Dahya also led the development of specialized mineral processing technologies, followed by the design, engineering and construction of commercial scale mineral processing operations using these technologies.

Mr. Dahya was also responsible for the development of specialized hazardous material storage systems, which led to the installation of numerous units across Canada and the USA, for storage and handling of a broad range of highly toxic chemicals and wastes. He directed the installation of the first PCB storage superstructure in the world, with Ontario Hydro in Canada. Mr. Dahya has also managed environmental impact assessments for industries generating toxic wastes.



1979 - 1986 **Davy McKee International, U.K.**  
Process Engineer and Technical Consultant

**Experience:** Process design, engineering, commissioning and project management of international projects in the field of mineral processing and environmental protection, in the iron and steel, base and precious metals industries.

## **AWARDS**

Mr. Dahya's companies have received distinguished awards including:

- N.A.S.A. Invention of the Year Award, 1994 for water purification using iodinated resin technology as deployed in the space shuttle program; with Umpqua Research.
- Certificate of Congressional Recognition by the United States Congress.
- Exporter of the Year Award by the Governor of Nevada, USA.

## **INVENTIONS**

1. Continuous Grind Leach (CGL) process for gold ore evaluations.
2. Electrowinning Cell for recovery of gold from Zarda Process eluate.
3. S.T.O.X. technology for hazardous material storage and handling.
4. Integrated Water Purification technology for modular water decontamination, including disinfection by iodinated resins from the NASA Space Program.
5. DAKARIN technology for Biocatalytic enhancement of wastewater treatment microorganisms.
6. OLFATEC catalyst formulations for foul odour control in sewage transmission lines and treatment plants.
7. PETROX catalyst formulations for accelerated hydrocarbon decomposition in water and soil.
8. MODUSTATE bioreactors for sewage treatment.
9. Biocatalytically Enhanced MBR reactors (BE-MBR) for sewage treatment.
10. ECONIM Super-catalytic reactors for contaminated lagoon treatment

