



**PHASE SEPARATION SOLUTIONS INC.**

**Elevating The Thinking In Waste Management**



# The Company

- Federally incorporated
- Provincially registered in Saskatchewan
- Date of incorporation: 2004
- Publicly traded
- Outstanding shares: 34,724,667
- Share Capital:
  - Nairobi Investments: 6,123,110 shares (17.6%)
  - Steve Clarke: 4,245,500 shares (12.2%)
  - Golden Opportunities 11,509,000 shares (33.1%)



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WMT:TSX

# Strategy Statement

To be a leading integrated environmental solutions and decommissioning service provider in Canada and China with significant project management capability, a strategic base of treatment facilities and technologies to eliminate the environmental liability inherent in energy exploration and development areas recovering valuable hydrocarbons for reuse where possible helping our customers reduce their carbon footprint and demonstrate good environmental stewardship.



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# A Nationally Recognized Management Team

- **Paul Antle, B.Sc., M.Eng., CCEP - President & CEO**
  - Bachelor of Science in Chemistry and Master of Engineering in Chemical Engineering
  - A graduate of Harvard Business School (OPM36 - Co-Valedictorian)
  - Award-winning entrepreneur with a proven track record of success
  - 22 years in the environmental industry
  - Created many companies that were grown and eventually sold
  - Founder, President & CEO of SCC Environmental that launched the TPS Technology in 1994
  - Expanded SCC internationally to four continents
  - Management experience in public and private companies
- **Paul Coombs, C.A. - CFO**
  - Chartered Accountant
  - Responsible for company's financial management and reporting
  - Extensive merger and acquisition experience
  - Extensive experience in public and private companies
  - IFRS Experience



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# A Nationally Recognized Management Team

- **Steve Clarke, B.A., CEA, CCEP - VP, Business Development**
  - Senior technical marketing professional for SCC Environmental & MI SWACO
  - Worked with TPS technology domestically and internationally since 1995
  - Operational oversight of MISWACO international TPS Operations and PS2 Treatment Facility
  - Co-developer of the TPS Pryolytic Desorption Depolymerization Patent
- **Mukesh Kapila - Engineering Consultant**
  - Bachelor of Science in Chemical Engineering
  - Professional Engineer in Alberta, Saskatchewan, Manitoba, Nova Scotia and Newfoundland & Labrador
  - Over 20 years global experience in environmental industry and over 10 years in the oilfield service sector
  - Co-Inventor and patent holder of the TPS Technology
  - Holds 12 additional patents for various solids control and oilfield waste technologies



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# Strategic Advantages

- **One of only three approved facilities in Canada for PCB soils/Pharma/Oil Field Sludge**
  - One of the broadest operating permits in Canada
- **Patented Mobile & Modular Technology** - independently verified
- **Lowest Capital and Operating Costs** in Industry
- **Environmentally Benign/Non Incineration** - endorsed by Greenpeace in 2000
  - Only technology of its kind capable of extracting up to 90% oil by volume from industrial waste, paint and pharmaceutical waste for sale
  - Up to 85% landfill volume reduction for certain waste streams
  - Zero harmful air emissions and total liability elimination unlike landfill
- **Exclusive License** for North America and China
- **World-Class Technology** - hundreds of thousands of tonnes treated worldwide
  - Most flexible technology available for differing waste streams
- **High Barriers to Entry**
  - High Start-up Costs
  - Min. 2 - 3 years environmental assessment and regulatory evaluation
  - Difficulty in sourcing and securing a “friendly” location (public perception)



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# Corporate Milestones-At Home and Abroad

- Development of proprietary /patented process for the conversion of pharmaceutical waste to usable oil
- Sale of the pharmaceutical business unit to a North American sector leader
- New Federal PCB Regulations enacted in 2008 mandating clean up and closure of an estimated 150,000 metric tonnes by 2012
- Securing major PCB remediation projects in Western and Central Canada bringing the Wolseley Facility to 80% capacity for 2009
- Extension of its technology license to include China where PS2 is developing partnerships and project opportunities.
  - China represents an environmental services market of \$162 billion annually or 1.5% of GDP



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## PS2 Increases Shareholder Value

- The company developed, commercialized and sold its pharma waste business unit at a profit to focus resources on the soil market which has increased significantly in the last year
  - The Patent resulting from this venture, which remains the property of the company, has significant value and has added to its internationally proven credentials in soil , oilfield waste and sludge
- Major soil contracts valued at ~\$6.9 and \$1.2 million and several smaller contracts valued at ~\$200,000 per have given the company solid cash flow and increased profitability
  - Bids are outstanding on \$6.2 million worth of projects for 2010
- With little debt and a strong balance sheet the company is strategically placed for growth and diversification
- Strategic partnerships in China represents a tremendous opportunity to license and sell TPS technology for soil treatment into the ground floor of a huge market still in its infancy



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