AbTech INDUSTRIES

Total Solutions and Innovative Technologies to Clean Water

(OTC QB: ABHD)

OSPR/Chevron Oil Spill Response
Technology Workshop

February 26, 2013

Safe Harbor Statement

The statements contained in this presentation that are not purely historical are forward-looking statements within the meaning of applicable securities laws. Forward-looking statements include statements regarding our "expectations," "anticipation," "intentions," "beliefs," or "strategies" regarding the future, whether or not those words are used. Forward-looking statements also include statements regarding revenue, margins, expenses, anticipated levels of future revenues and earnings from operations, projected costs and expenses related to our operations, liquidity, capital resources, and availability of future equity capital on commercially reasonable terms. Forward-looking statements in this presentation are based upon a number of assumptions, some of which may not materialize, and unanticipated events may occur which could affect the actual results achieved by the Company during the periods covered by the forward-looking statements. All forward-looking statements included in this presentation are based on information available to us as of the date of the presentation, and we assume no obligation to update any such forward-looking statements. Our actual results could differ materially from the forward-looking statements.

Abtech Holdings, Inc. (OTC QB:ABHD)
4110 North Scottsdale Road
Scottsdale, AZ 85251
www.abtechindustries.com

Corporate Profile

- **AbTech is an environmental company dedicated to providing innovative solutions to clean water.**
- **AbTech is a manufacturer and developer of the patented Smart Sponge® and Smart Sponge Plus technology to solidify hydrocarbons and reduce coliform bacteria (EPA Registration # 86256-1) contained in stormwater, produced water and industrial waste water.**

STORM WATER

OIL & GAS

INDUSTRIAL WASTEWATER

AbTech

TECHNOLOGIES

Smart Sponge® Core Technology

Polymer-based Filtration Media

Absorbing capabilities makes Smart Sponge® highly effective as a filtration platform to remove hydrocarbons and other pollutants from flowing or pooled water.
Smart Sponge® has the ability to be molded in various shapes and sizes for endless applications.

Chemical and Physical Properties

- Oleophilic--Chemically selective towards hydrocarbons, for example
  - BTEX Compounds (partitioned)
  - Crude Oil
  - Diesel Range Organics
  - Machine Oils
  - Petroleum Fuels
  - Select Food Grade Oils
  - Others based on Treatability Assessment

- Hydrophobic, does not absorb water

- Hydrocarbon absorption ratio of 1:1 or 1:2

- High porosity, the very large surface area can pass 80 gpm/ft^2 with a one-foot media depth

MAKERS OF smart sponge® PRODUCTS

Chemical and Physical Properties

- Hydrocarbon loading predictions are made for each process application based on type, concentration, flow rate and SS media load(s)
- Unaffected by pH (5-10), salinity, dissolved solids or suspended solids
- Hydrocarbons absorbed are permanently bonded within the media structure. Conforms to EPA TCLP requirements as a “secondary non-hazardous waste”. Spent SS site specific testing is generally required prior to disposal in Subtitle D landfills.
- Recyclable as a sustainable energy source. Base polymer has an energy value of 18,000 BTU/lb
- Can be 100% recycled to a refinery through a process of vacuum cracking.

MAKERS OF smart sponge® PRODUCTS

Solutions

Total Solutions and Innovative
Technologies to Clean Water

Absorbent Boom

Line Skimmer

Line Skimmers & Booms

- Removes or reduces sheen
- Will not absorb water
- Transforms pollutant to stable form
- Will not leach or leak
- Improved safety – no dewatering
- Longer life – will not deteriorate
- Lower deployment costs
- Silent sentinel – can remain on site indefinitely in case of potential releases

Smart Drum ™

Hydrocarbon Absorption Canister (HAC)

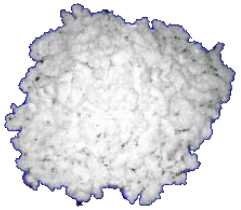
- Absorbs and locks hydrocarbons
- Parallel or series operation
- Easy Setup and Disposal
- Flow rates 5-10 GPM at 10 PSI
- > 90% Hydrocarbon removal;
  - Crude, Diesel Range Organics
  - Petroleum Fuels, Machine Oils
  - Select Food Grade Oils
- Operating temperature to 100 ^{o}F
- 1:1 absorption (approx 100 lbs)

Total Solutions and Innovative
Technologies to Clean Water

Scalable Engineering Solutions

- Smart Sponge Contactor Units
- Skid or Trailer Mounted
- Engineered based on Water Properties & Flow Rate Needs
  - 10 BWPD to 100+ BWPM
  - Source water treatment
  - Frac water pre-treatment
  - Frac flowback treatment
  - Produced water treatment
  - SWD pre-injection treatment
  - Offshore water management
  - Remedial work

Engineering and Process



- Variable flow rates depending on loading and contactor vessel size and arrangement
- Empty Bed Retention Time (EBRT)
  - Guideline is 10 minutes (minimum) depending on vessel size, loading, etc.
- Virtually no pressure drop <5psi at typical operating pressures and flow rates
- Adaptable to pressure or gravity environments; steel pressure vessels, custom engineered systems, multi-bag vessels, gravity vessels, and steel drums
- Rapid deployment, uses standard ASTM rated

Total Solutions and Innovative Technologies to Clean Water

Stage 1

RESIDUAL OIL RECOVERY

Liquid / Liquid Oil - Water Separation

Stage 2

DE-OILING & ENERGY RECOVERY

Smart Sponge® Hydrocarbon Absorptive Contactor

Stage 3

AIR STRIPPING OF VOCS

Air Stripper to Remove Water Soluble Hydrocarbons (GRO & BTEX)

Stage "n"

Optional High-value or End-Phase Treatment Options (e.g. Reverse Osmosis)

Scalable Integrated Solutions

- Small Mobile Kits to Full Plants
- Project Site Work & Management
- Engineered Solutions Designed and Fully Integrated with Third Party Water Treatment

- Designed to Specific Criteria:
  - Application-specific
  - Water formulation-specific
  - Regulatory design-specific
  - Time Scale-specific

Engineering and Process Benefits

- Pretreatment of hydrocarbons upstream from, for example: air stripping, activated carbon, ion exchange, membrane separation
- Post treatment polishing of hydrocarbons downstream from, for example: hydrocyclones, oil/water separators, dissolved air flotation units

Project Management and Engineering Services

- Project management and engineering services from concept through delivery and commissioning
- Project management and engineering services includes:
  - Chemical Engineering
  - Civil Engineering
  - Environmental, Public Health and Regulatory
  - Process Engineering
- Over 70 years staff experience in water and wastewater design, environmental engineering and application
- Collaborate on project management and engineering with companies, contract firms, and project contractors

AbTech Industries contacts:

Jonathan Thatcher
Chief Operating Officer
JThatcher@AbTechIndustries.com

Bjornulf White
Exec Vice President, Business Development
BWhite@AbTechIndustries.com