

# APPENDIX 3

## ASSESSOR QUALIFICATIONS



## **Brent Ferguson, P.Geo.**

### *Environmental Geologist/Hydrogeologist*

Mr. Brent Ferguson, P.Geo. has worked as an environmental geologist and hydrogeologist with Jacques Whitford since May 2000. Mr. Ferguson has conducted over 100 Phase I Environmental Site Assessments (ESAs) in both Canada (Nova Scotia and Prince Edward Island) and the United States (Georgia and Texas) and has been involved with or managed over 40 Phase II ESAs or Remediations. These assessments involved the investigation and/or removal of heavy metals, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). In addition, Mr. Ferguson has undertaken large-scale hydrogeological assessments for Class One Environmental Assessments (EAs) in Nova Scotia, as well as numerous contaminant hydrogeological projects. Prior to working for JWEL, Mr. Ferguson worked offshore Nova Scotia in the oil industry as a geologist and was involved in land-based oil and gas drilling projects in Alberta.

## **Erika Ryter, B.Sc.(Eng.), EIT**

### *Environmental Engineer-in-Training*

Ms. Erika Ryter, B.Sc.(Eng.), EIT has worked in the environmental engineering division with Jacques Whitford since January 2003. Ms. Ryter has conducted various Phase I Environmental Site Assessments (ESAs) in Nova Scotia for many commercial and residential sites and has been involved with or managed several Phase II ESAs and Remediation projects. In addition, Ms. Ryter has been involved with mold assessments involving air sampling, assessments, and has overseen remediation activities and been involved with the development of detailed remediation strategies for commercial, institutional and residential facilities.

## **Marc Dunning, P.Eng.**

### *Environmental Engineer*

Mr. Marc Dunning, P.Eng. is an Intermediate Engineer and has been with Jacques Whitford for over 6 years. He has extensive experience with hazardous materials work and phased environmental site assessments. Mr. Dunning has conducted over 100 Hazardous Materials Surveys focusing on the identification and quantification of asbestos-containing materials, lead-based paint, lead dust, PCB-containing equipment, mercury-containing equipment, ozone-depleting substances, etc. He has developed tender specifications for hazardous materials abatement and acted as project manager for numerous abatement projects. He has also acted as project manager for over 250 Phase I, II and III assessments, several of which have subsequently involved remediation and/or risk assessment, and has provided senior review of over 300 Phase I and II assessments completed in JW's Dartmouth office in the past three years.

## **APPENDIX 4**

# **REGULATIONS AND GUIDELINES**

## Federal

<u>Legislation</u>	<u>Policies, Guidelines, and Codes</u>
Canadian Environmental Protection Act <ul style="list-style-type: none"><li>• Storage of PCB Material Regulations (SOR/92-507)</li><li>• Federal Aboveground Storage Tank Technical Guidelines</li><li>• Federal Underground Storage Tank Technical Guidelines</li><li>• Chlorobiphenyls Regulation (SOR/91-152)</li><li>• Registration of Storage Tank Systems for Petroleum Products and Allied Petroleum Products on Federal Lands Regulations</li><li>• Halocarbon regulations</li><li>• Hazardous Products Act</li></ul>	Canadian Council of Ministers of the Environment (CCME) <ul style="list-style-type: none"><li>• Environmental Code of Practice for Underground Storage Tanks Containing Petroleum Products and Allied Petroleum Products, March 1993</li><li>• Environmental Code of Practice for Aboveground Storage Tanks Containing Petroleum Products, 1993</li><li>• Canadian Environmental Quality Guidelines</li></ul>
Canada Water Act <ul style="list-style-type: none"><li>• Guidelines for Canadian Drinking Water Quality</li><li>• Guidelines for Effluent Quality and Wastewater Treatment at Federal Establishments</li></ul>	Government of Canada Asbestos Abatement Guidelines, 1991-01-04  Code of Good Practice for Handling Solid Wastes at Federal Establishments (Environment Canada)  Guidelines for Effluent Quality and Wastewater Treatment at Federal Establishments (EPS-1-EC-76-1)
Fisheries Act	
Transportation of Dangerous Goods Act/Regulations	

## Provincial

<u>Legislation</u>	<u>Policies, Guidelines, and Codes (NSDEL unless stated otherwise)</u>
Nova Scotia Environmental Act (1995) <ul style="list-style-type: none"><li>• Pesticide Regulations (95-300)</li><li>• Petroleum Storage Regulations (95-301)</li><li>• Pit and Quarry Regulations</li><li>• Air Quality Regulations (95-294)</li><li>• Ozone Layer Protection Regulations (95-293)</li><li>• Dangerous Goods Management Regulations (95-295)</li><li>• Sulphide Bearing Material Regulations (95-296)</li><li>• Well Construction Regulations (95-297)</li><li>• Emergency Spill Regulations (95-298)</li><li>• Used Oil Regulations (95-290)</li><li>• Asbestos Waste Management Regulations (95-292)</li><li>• PCB Management Regulations (95-291)</li></ul>	<ul style="list-style-type: none"><li>• Code of Practice for Working With Asbestos</li><li>• Guidelines for the Maintenance Operations involving Asbestos</li><li>• Code of Practice for the Removal of Friable Asbestos-Containing Materials</li><li>• Code of Practice for Managing Asbestos in Buildings</li><li>• Code of Practice for Working with Inorganic Lead</li><li>• Guidelines for Disposal of Contaminated Solids in Landfills</li><li>• Operations Bulletin- Operations Procedures for the Management of Construction and Demolition Waste Containing Leaded Paint</li><li>• Guidelines for Disposal of Contaminated Solids in Landfills</li><li>• Atlantic PIRI Reference Documentation for Petroleum Impacted Sites</li><li>• Guidelines for the Management of Contaminated Sites</li></ul>
Nova Scotia Ozone Depleting Substance Regulations	
Dangerous Good Transportation Act (1986)	

## Other Documents

New York City Department of Health and Mental Hygiene Guidelines on Assessment and Remediation of Fungi in Indoor Environments	Guidelines for the Investigation, Assessment and Remediation of Mould in Workplaces (Workplace Safety and Health Division, Manitoba Department of Labour and Immigration)
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**APPENDIX 5**

**SUPPORTING INFORMATION**



Information Access  
and Privacy

PO Box 697  
5151 Terminal Rd., 5<sup>th</sup> floor  
Halifax, Nova Scotia  
B3J 2T8

ph: (902) 424-8472  
fax: (902) 424-6925

June 11, 2004

Our File # RD-04-1325-1328

Fax: 468-9009

Erika Ryter  
Jacques Whitford and Associates Limited  
3 Spectacle Drive  
Dartmouth, NS  
B3B 1W8

Dear Ms. Ryter:

Re: **533 Rocky Lake Drive**  
**585 Rocky Lake Drive**  
**548 Rocky Lake Drive, Lot M \***  
**West of 548 Rocky Lake Drive**

I refer to your enquiry of the Environmental Registry received June 8, 2004. We acknowledge receipt of payment for four properties. Enclosed is the information that was located in the Environmental Registry with regard to the 548 Rocky Lake Drive property. No information was located for the three properties located at 533, 585, and west of 548 Rocky Lake Drive.

The Nova Scotia Department of the Environment makes no representations or warranties on the accuracy or completeness of the information provided.

Yours truly,

Carla Heggie,  
Manager, Information Access & Privacy

**FAXED**  
June 15/04

June 10, 1999PETROLEUM STORAGE TANK REGISTRATIONREGISTRATION # **C0183**

## OWNER OF TANKS

## LOCATION OF TANKS

MOBILE READY MIX  
548 ROCKY LAKE ROAD  
BEDFORD, NS  
B4A 2T3

SAME

TYPE OF INSTALLATION: Commercial

	TANK NO. 1	TANK NO. 2	TANK NO. 3
INSTALLATION YEAR	Unknown	Unknown	Unknown
STATUS OF TANK	Removed	Removed	Removed
TYPE OF TANK	Underground	Underground	Underground
DYKE NUMBER			
EST. CAPACITY (L)	2270	9080	4540
CONST MATERIAL	Steel	Steel	Steel
EXTERNAL PROTECTION	None	None	None
INTERNAL PROTECTION	None	None	None
PIPING	Unknown	Unknown	Unknown
SECONDARY CONTAINMENT			
SUBSTANCE STORED	Gasoline	Gasoline	Gasoline
EST. DATE LAST USED			
EST. QUANTITY REMAINING			
FILLED WITH INERT MAT			
DATE OF REMOVAL	03/17/99	03/17/99	03/17/99
ANY CONTAMINATION	Yes		
HOW MUCH	178.750		
DISPOSAL SITE	Envirosoil		
TANK INSTALLER	Unknown		

DYKE NUMBER	LENGTH (M)	WIDTH (M)	HEIGHT (M)	CAPACITY (M)	NUMBER DYKED
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75 MacDonald Avenue, Unit 8, Dartmouth, NS B3B 1T8

Phone: (902) 481 - 2532

Fax: (902) 468 - 8540

Email:

# Fax

To:	Brent Ferguson	From:	Rod Simpson
Company:	Jacques Whitford	Pages:	3 - including cover
Fax:	468-9009	Date:	June 11, 2004
Re:		CC:	

Urgent     For Review     Please Comment     Please Reply     Please Recycle

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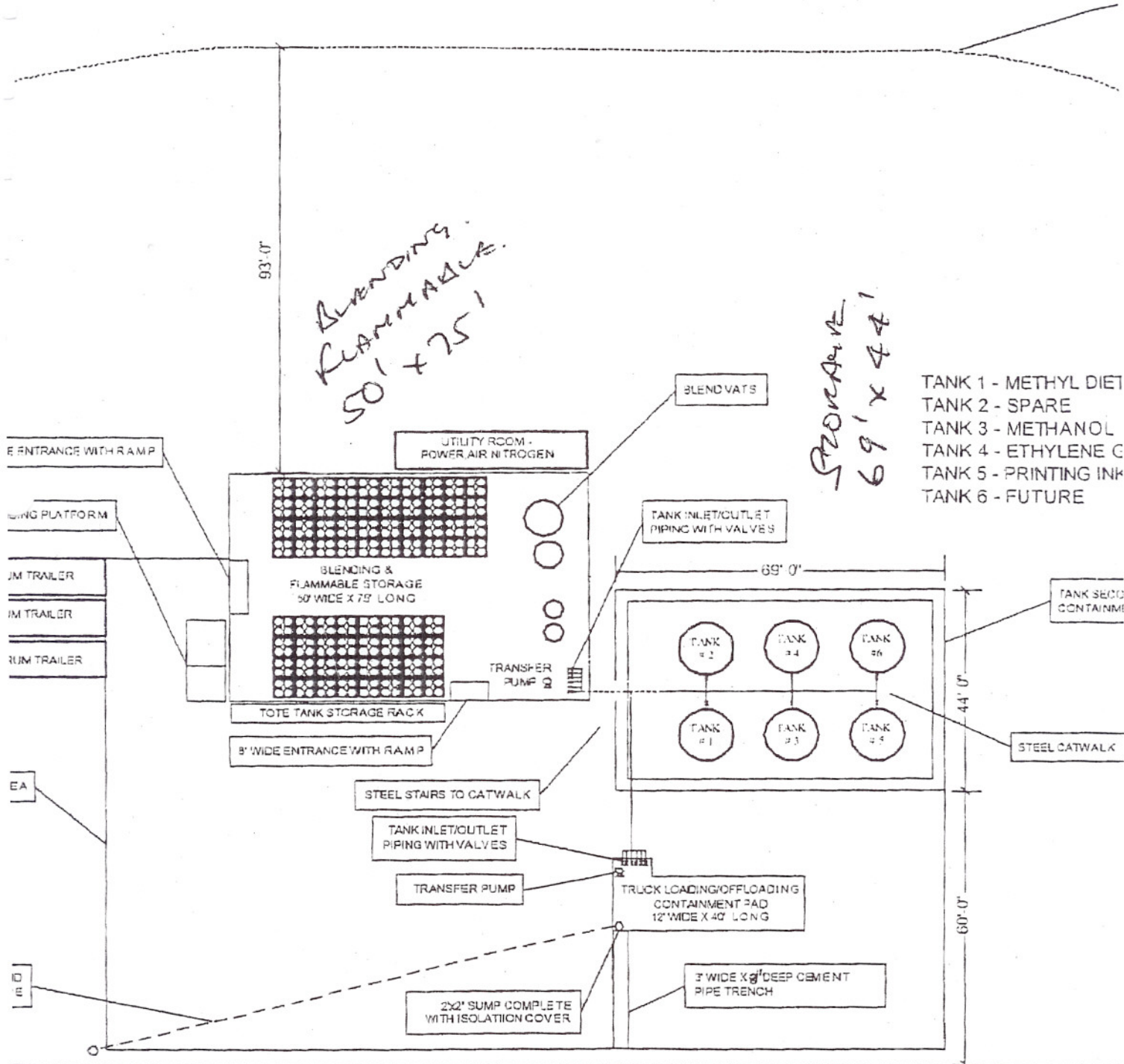
Hi Brent,

Please see the attached diagrams of Alpha Chemical's new location.

Thanks.



ADJACENT LAND OWNED BY MUNICIPAL

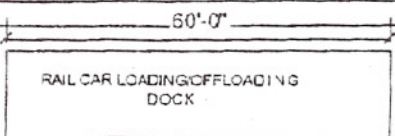


*Blending  
FLAMMABLE  
50' x 75'*

*SPORANE  
69' x 44'*

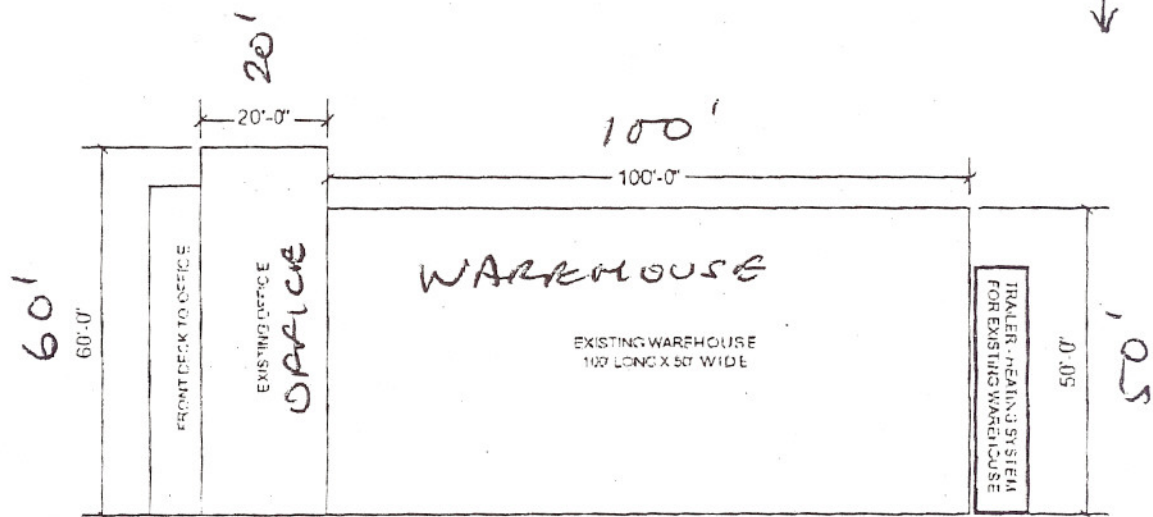
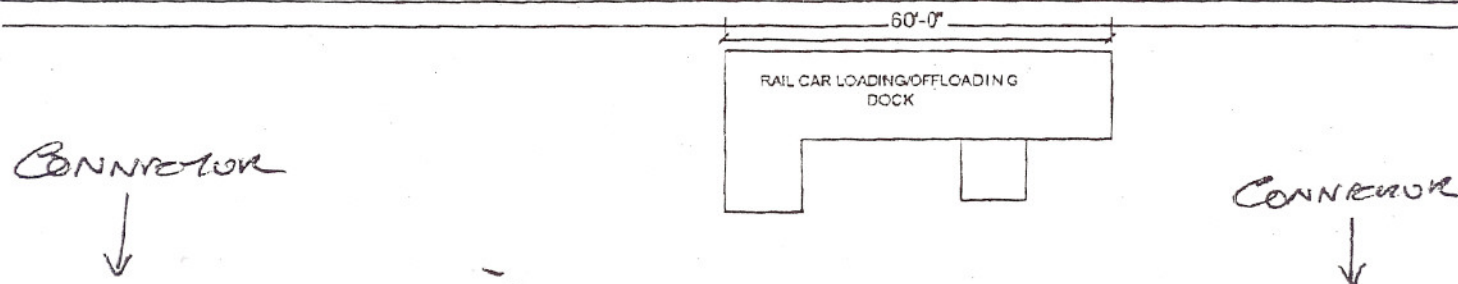
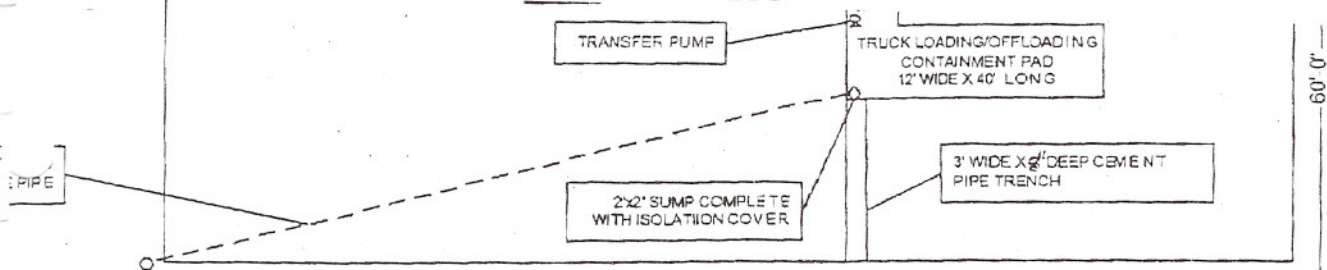
- TANK 1 - METHYL DIET
- TANK 2 - SPARE
- TANK 3 - METHANOL
- TANK 4 - ETHYLENE C
- TANK 5 - PRINTING INK
- TANK 6 - FUTURE

INTERIOR



EXTERIOR





NORTH

OFFICE PARKING AREA

PROPERTY FENCE

ENTRANCE & EXIT WITH GATE

ROAD

ROCKY LAKE DRIVE

NORTH



ALC 'A' CHEMICAL - 505 ROCKY LANE DRIVE



3 5 2004



ALPK. CHEMICAL-533ROCKY LAKE DRIVE

