

Applied Filter Technology

19524 75th Avenue SE
Snohomish, WA 98290

Phone: (425) 334-5505

Fax: (360) 363-1012

BIOGAS QUESTIONNAIRE

Company Name:		Site Name:			Date:	
Mailing Address 1:						
Mailing Address 2:						
City:		State/Province:		Postal Code:		
Telephone:		Fax: ()		Cell Phone: ()		
Person to Contact for Information:			e-mail address:			
How soon do you need a response?		<input type="checkbox"/> Immediate	<input type="checkbox"/> Within 2 weeks	<input type="checkbox"/> 2 weeks+	<input type="checkbox"/> Other:	
Biogas Characteristics						
Source of Biogas: ___ Municipal Digester ___ Landfill, ___ Agricultural Digester, ___ Combined, ___ Other:						
Intended use of treated gas			Is Methane enrichment required? ___ Yes ___ No			
Flow: (Specify ACFM, SCFM, Nm ³ /h, etc.)			Temperature: (Specify °C or °F)			
Pressure: (in psig, psia, kPa, etc.)			Moisture content, if known		Saturated	
Hours of Operation		___ Hours per day	___ Days per Week	___ Weeks per year	Other: _____	
Biogas Composition (enter typical values or attach biogas analysis if available)						
Parameter	Concentration		Objective (% ppmv, mg/m ³)			
	Value	Units				
Methane		%				
Carbon Dioxide		%				
Nitrogen		%				
Oxygen		%				
NMOC, Total						
C6+						
Hydrogen Sulfide		ppmv	< 20 ppmv			
Other						
Overall Removal Objective: (% or ppm level) _____ (Please note: Please complete page 2 for siloxanes)						
Are particulates present? ___ No ___ Yes		Concentration: _____ ppmv				
Are toxic/heavy metals present? ___ No ___ Yes		Species and concentrations (ppbv):				

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Page 2 – Siloxane Contaminant Information (enter typical values or attach analysis)

Contaminant	Concentration (ppmv, mg/m ³)	Objective (ppmv, mg/m ³)
Tetramethylsilane (Si(CH ₃) ₄)		
Tetramethyldisiloxane (Si ₂ (CH ₃) ₄ O)		
Pentamethyldisiloxane (Si ₂ (CH ₃) ₅ O)		
Hexamethyldisiloxane ("MM" Si ₂ (CH ₃) ₆ O)		
Octamethyltrisiloxane ("MDM" Si ₃ (CH ₃) ₈ O ₂)		
Hexamethylcyclotrisiloxane ("D3" Si ₃ (CH ₃) ₆ O ₃)		
Octamethylcyclotetrasiloxane ("D4" Si ₄ (CH ₃) ₈ O ₄)		
Decamethylcyclopentasiloxane ("D5" Si ₅ (CH ₃) ₁₀ O ₅)		
Dodecamethylcyclohexasiloxane ("D6" Si ₆ (CH ₃) ₁₂ O ₆)		
Other		
Other		
Other		
Other		
Other		
Other		

Please note: species identification is necessary to predict media exhaustion rates and properly size equipment.