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Statement of Qualifications

Company Background

For over twenty-five years, Environmental Fabrics, Inc. (EFI) has been fabricating, supplying, and installing solutions to reduce environmental impact, improve operational efficiency, and increase profitability for customers. Our team has over 50 years of combined experience and has completed projects worldwide. Although EFI is based in the Midlands of South Carolina, EFI is a licensed contractor in more than a dozen states and operates coast to coast.

EFI's capabilities and expertise include geosynthetic liner and cover systems, primary and secondary tank and impoundment lining, soil stabilization and erosion control solutions, custom 'in-house' fabrication, geosynthetic repairs and rehabilitation, material and equipment supply, as well as consulting and advisement.

For solid, liquid, or gas containment to erosion prevention and soil stabilization and many solutions in between, visit www.efiusa.com and discover an EFI solution to suit your needs!

Priority: Health, Safety, Environment (HSE)

In partnership with employees, the communities in which we work, and those we do business with, EFI's HSE team is dedicated to eliminating injuries, accidents, and environmental damages, while ensuring compliance and encouraging well-being and stewardship.

HSE personnel are trained by the American Red Cross, regional safety councils, and other applicable entities. As of February 2018, EFI boasts a 0.77 EMR.

EFI is a member of the SC Midlands Green Business Program, and a supporter of Keep America Beautiful, the Environmental Education Association of South Carolina, and other environmental awareness endeavors.

Competency, Capability and Focus on Quality

EFI uses field proven equipment while adhering to the highest levels of quality control standards. EFI is a proud member of the International Association of Geosynthetic Installers (IAGI). Our work is performed based on the IAGI guidelines as well as material manufacturer and project installation specifications.

EFI maintains crews of qualified supervisory, quality control and safety, technical and labor personnel. Supervisors are trained through field experience and EFI's supervisor training system. Quality Control personnel are trained in IAGI, the Geosynthetic Research Institute (GRI), material manufacturers and other applicable authorities' programs.





Statement of Qualifications

Key Personnel

John Paul Smith

President

jp@efiusa.com

John Paul grew up farming and has always been interested in finding better ways to improve the land and livelihood of those that depend on it. With an Environmental Engineering degree and an extensive background running his own construction firm, he is a valuable part of the EFI team.

Jason Taylor

Vice President- Operations

jason@efiusa.com

Jason started working with EFI in 1994, only a year after the company's inception. Demonstrating hard work, determination, and attention to detail, he has worked his way up the chain of command. His longtime service makes him the second longest standing member of the EFI team and knowledgeable on all aspects of EFI operations, thus he now serves as Director of Operations.

J. Ryan LoGuzzo

Secretary / Treasurer

ryan@efiusa.com

Ryan learned critical business lessons through schooling, years of management positions with leading retailers, and time spent as a marketing professional. But the time spent as an EFI field laborer and Quality Control Inspector is what gives him the basis for his understanding of employee needs and dedication to quality products. Ryan utilizes his wide range of competencies to ensure EFI is always working to improve both business and natural environments.

Dennis Shanklin

Senior Project Manager

dennis@efiusa.com

Dennis co-founded Environmental Fabrics, Inc in 1993 with a focus on environmental solutions and quality innovation. He has earned 3 cover patents as an inventor, co-founded a post-industrial waste recycling company, and worked with engineers, farms, municipalities, and government agencies and programs, including the EPA/USDA AgSTAR program and USAID's Global Methane Initiative to promote Anaerobic Digestion Lagoon Systems in the U.S. and around the world.





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Digester Background: California

There were 20 anaerobic digester systems in operation on dairy farms in California at the end of 2017. EFI had installed, serviced, or repaired all but three. Since, there has been a boom in the development of projects in the state and EFI is proud that our previous projects prove manure digesters' effectiveness and support this growth.

Notable California Dairy Digester Projects

<u>Project:</u>	Hillarides Dairy Digester	<u>Project #:</u>	7806
<u>Location:</u>	Lindsay, CA	<u>Completed:</u>	June 2008
<u>Application:</u>	Anaerobic Digester Cover System	<u>Material:</u>	60mil HDPE
<u>Owner:</u>	Hillarides Dairy 24163 Road 188 Lindsay, CA 93247		

Additional Project Information

260x2,330' Manure Digester Cover

[*Biogas Digester Video*](#)

<u>Project:</u>	Old River Dairy Digester	<u>Project #:</u>	10766
<u>Location:</u>	Bakersfield, CA	<u>Completed:</u>	November 2013
<u>Application:</u>	2x- Tier 1- Lagoon Liner & Cover Systems	<u>Material:</u>	60 & 80mil HDPE
	<u>Engineer:</u>	4Creeks, Inc. 324 South Santa Fe, Suite A Visalia, CA 93292	

Additional Project Information

Tier 1 Double Lagoon Liner & Cover System in West & East Cells- 319x818' & 242x895'

[*EFI Case Study- Old River Dairy*](#)

<u>Project:</u>	Verwey Hanford / Madera Dairies Digesters	<u>Project #:</u>	15705 / 15707
<u>Location:</u>	Hanford, CA / Madera, CA	<u>Completed:</u>	July 2016 / March 2017
<u>Application:</u>	Anaerobic Digester Cover Systems	<u>Material:</u>	80mil HDPE
<u>Owner:</u>	Verwey Dairy 19765 13 th Ave. Hanford, CA 93230		

Additional Project Information

228x2,291' Digester Cover System / 214x610' Digester Cover System

[*CA Climate Investments Project Profile*](#)





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Digester Background: New York

Since 2007, EFI has installed 22 Dairy Manure Storage Lagoon covers in New York, creating anaerobic environments for the digestion of dairy manure. Some of these operations have been able to expand and accept offsite waste, produce compost, and provide electricity and gas providing farmers another revenue stream.

Notable NY Dairy Digester Projects

<u>Project:</u>	Patterson Dairy	<u>Project #:</u>	4769
<u>Location:</u>	Preble NY	<u>Completed:</u>	Dec. 2005
<u>Application:</u>	Manure Storage Lagoon Insulated Cover	<u>Material:</u>	60mil HDPE
<u>Owner:</u>	Patterson Farm 1131 Town Line Rd Auburn, NY 13021		

Additional Project Information

100x111' Insulated Digester Cover System

[Farm Progress 2012 Agricultural Environmental Management Award Winner](#)

<u>Project:</u>	Spruce Haven Farm	<u>Project #:</u>	12715
<u>Location:</u>	Union Springs, NY	<u>Completed:</u>	March 2014
<u>Application:</u>	Manure Digester Liner & Cover System	<u>Material:</u>	
<u>Owner:</u>	Spruce Haven Farms, LLC 5004 White Rd Union Springs, NY 13160	<u>Engineer:</u>	

Additional Project Information

100x340' Digester Liner and Cover System

[Cornell University Manure Management Case Study](#)

<u>Project:</u>	Table Rock Farms	<u>Project #:</u>	16398
<u>Location:</u>	Castile, NY	<u>Completed:</u>	July 2017
<u>Application:</u>	Manure Storage Lagoon Cover	<u>Material:</u>	60mil HDPE
		<u>Engineer:</u>	JESS Engineering 2121 County Route 10 Alpine, NY 14805

Additional Project Information

265x415' Manure Lagoon Digester Cover

[American Dairy Association 2017 Dairying For Tomorrow Award Winner](#)





Statement of Qualifications

Digester Background: North Carolina

From permeable covers, studied by NC State and used across Northern Missouri, to impermeable covers to prevent hurricane rain caused overflows and contain odors, EFI has long been helping create and install solutions for hog farm manure management. EFI is excited to continue improving the practices in NC.

Notable NC Swine Digester Projects

<u>Project:</u>	White Oaks Digester / Legacy BioGas	<u>Project #:</u>	12719 / 18360
<u>Location:</u>	Fremont, NC	<u>Completed:</u>	06/2013 / 10/2018
<u>Application:</u>	Digester Cover System / Piping Modifications	<u>Material:</u>	60mil HDPE
	<u>Engineer:</u>	Hoffland Environmental, Inc. 303 Silver Spring Road Conroe, TX 77303	

Additional Project Information

300x590' Manure Digester Cover System / Cover Ports & Biogas Modifications

[*Pig Progress Project Review*](#)

<u>Project:</u>	Butler Lagoon Covers / Manure Digester	<u>Project #:</u>	7550 / 11709
<u>Location:</u>	Lillington, NC	<u>Completed:</u>	03/2008 / 11/2011
<u>Application:</u>	Storage Lagoon Covers / Manure Digester System	<u>Material:</u>	60mil VFPE
<u>Owner:</u>	Butler Farms 4037 Darroch Road Lillington, NC 27546		

Additional Project Information

313x329' & 216x389' Manure Storage Lagoon Covers / 190x85' Digester System

[*US EPA AgSTAR Case Study*](#)

<u>Project:</u>	Barham Farm	<u>Project #:</u>	1032 / 14416
<u>Location:</u>	Zebulon, NC	<u>Completed:</u>	06/1999 / 12/2016
<u>Application:</u>	Manure Storage Lagoon Cover	<u>Material:</u>	60mil HDPE
<u>Owner:</u>	Barham Farms 10440 Covered Bridge Rd. Zebulon, NC 27597		

Additional Project Information

Manure Digester Cover Installation & Replacement

[*NC State University- Waste Management Programs Write Up*](#)





Statement of Qualifications

Digester Background: Industrial Waste Water

EFI's proven expertise is recognized and relied on by many clients for various applications, in the US and abroad. Containment systems for Industrial Waste Water digestion has been a valued offering of EFI's since 1993 and continue to be trusted and depended on today.

Notable Industrial Digester Projects

<u>Project:</u>	Smithfield Tarheel Cover Removal & Replacement	<u>Project #:</u>	7674
<u>Location:</u>	Tarheel, NC USA	<u>Completed:</u>	January 2013
<u>Application:</u>	Waste Water Digester Cover System	<u>Material:</u>	100mil HDPE
<u>Owner:</u>	Smithfield Packing Co.		

Additional Project Information

Removal & Replacement of 2- 294x429' Waste Water Digester Covers

[*North American Meat Institute Analysis of Tar Heel Digester*](#)

<u>Project:</u>	Teys Australia Waste Water Digesters	<u>Project #:</u>	98159 / 98109 13701 / 13702
<u>Location:</u>	Tamworth, NWS / Wagga Wagga, NSW / Rockhampton, QLD / Beenleigh, QLD Australia	<u>Completed:</u>	May 2011 / Feb. 2012 March 2014 / Aug. 2014
<u>Application:</u>	Anaerobic Digester Cover & Liner Systems, Aerobic Digester Liner Systems, Project Supply & Support	<u>Material:</u>	60 & 100mil HDPE
<u>Owner:</u>	Teys Australia		

Additional Project Information

3 Aerobic Digester Liner Systems, 4 Anaerobic Digester Liner & Cover Systems

[*Teys Australia Environmental Efforts*](#)

<u>Project:</u>	Honduran Green Power BioEnergy Project	<u>Project #:</u>	Multiple
<u>Location:</u>	Choloma, Cortes, Honduras	<u>Completed:</u>	June 2016
<u>Application:</u>	Anaerobic Digesters for King Grass	<u>Material:</u>	HDPE
<u>Owner:</u>	Honduran Green Power Corp.		

Additional Project Information

Multiple Liner and Cover Systems for Anaerobic Digestion of harvested King Grass

[*BioEnergy News Release*](#)

[*Renewables Now Release*](#)

