



AI ID: 10590

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Terracon.com

June 12, 2024

Indiana Department of Environmental Management (IDEM)
Office of Air Quality- Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251

Received
State of Indiana
JUL 05 2024 CM-1
Dept of Environmental Mgmt
Office of Air Quality

Re: Significant Source Modification Application
ITU AbsorbTech, Inc.- South Bend
3900 West William Richardson Drive
South Bend, Indiana 46628

Dear Office of Air Quality- Permits Branch:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Significant Source Modification Application on behalf of ITU AbsorbTech, Inc. (ITU AbsorbTech) located in South Bend, Indiana.

ITU AbsorbTech is planning to remove solvent recovery dryer #6 and replace it with an identical unit at their facility in South Bend. The new solvent recovery dryer will have a capacity of 105-pounds of dry clean textiles per load. The cycle time for each dryer is 30 minutes per load. The PTE for the dryer exceeds the 25 tons of VOCs per year threshold, which requires a BACT analysis. However, ITU AbsorbTech is proposing to limit the throughput for the dryer to remain below the 25 tons of VOCs per year threshold. ITU AbsorbTech is proposing a throughput limit of 395,000 pounds of textiles per year for the dryer. The emissions calculations for the PTE and the limited PTE are included at the end of the included application.

If have any questions, please give me a call at (763) 489-3103.

Sincerely,
Terracon Consultants, Inc.

Nathan Borowick

Nathan Borowick, EIT
Chemical Engineer

Travis W. Knisley

Travis Knisley, P.E. (In MN)
Senior Engineer | Senior Associate – Chemical

Enc: Significant Source Modification Application

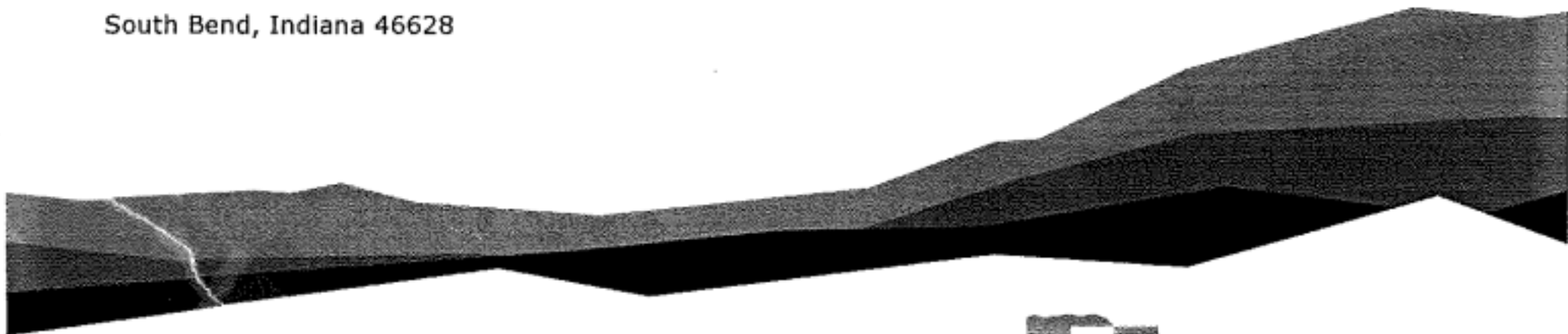
ITU AbsorbTech, Inc.

Significant Source Modification Application

June 12, 2024 | Project Number: MP077502

Prepared for:

ITU AbsorbTech, Inc. – South Bend
3900 West William Richardson Drive
South Bend, Indiana 46628



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AIR PERMIT APPLICATION COVER SHEET
State Form 50639 (R4 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for all air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to **IDEM Air Permits Administration** using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

1. Tax ID Number: _____

FOR OFFICE USE ONLY

PERMIT NUMBER:

141-48050-00116

DATE APPLICATION WAS RECEIVED:

Received
State of Indiana

JUL 05 2024

Dept of Environmental Mgmt
Office of Air Quality

PART A: Purpose of Application

Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.

2. Source / Company Name: ITU AbsorbTech, Inc.

3. Plant ID: 141 – 00116

4. Billing Address: 2700 South 160th Street

City: New Berlin

State: WI

ZIP Code: 53151 –

5. Permit Level: ☐ Exemption ☐ Registration ☐ SSOA ☐ MSOP ☒ FESOP ☐ TVOP ☐ PBR

6. Application Summary: Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.

- | | | |
|---|---|--|
| <input type="checkbox"/> Initial Permit | <input type="checkbox"/> Renewal of Operating Permit | <input type="checkbox"/> Asphalt General Permit |
| <input type="checkbox"/> Review Request | <input type="checkbox"/> Revocation of Operating Permit | <input type="checkbox"/> Alternate Emission Factor Request |
| <input type="checkbox"/> Interim Approval | <input type="checkbox"/> Relocation of Portable Source | <input type="checkbox"/> Acid Deposition (Phase II) |
| <input type="checkbox"/> Site Closure | <input type="checkbox"/> Emission Reduction Credit Registry | |

☐ Transition (between permit levels) From: _____ To: _____

- | | | |
|--|--|---|
| <input type="checkbox"/> Administrative Amendment: | <input type="checkbox"/> Company Name Change | <input type="checkbox"/> Change of Responsible Official |
| | <input type="checkbox"/> Correction to Non-Technical Information | <input type="checkbox"/> Notice Only Change |
| | <input type="checkbox"/> Other (specify): _____ | |

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Modification: | <input checked="" type="checkbox"/> New Emission Unit or Control Device | <input type="checkbox"/> Modified Emission Unit or Control Device | |
| | <input type="checkbox"/> New Applicable Permit Requirement | <input type="checkbox"/> Change to Applicability of a Permit Requirement | |
| | <input type="checkbox"/> Prevention of Significant Deterioration | <input type="checkbox"/> Emission Offset | <input type="checkbox"/> MACT Preconstruction Review |
| | <input type="checkbox"/> Minor Source Modification | <input checked="" type="checkbox"/> Significant Source Modification | |
| | <input type="checkbox"/> Minor Permit Modification | <input checked="" type="checkbox"/> Significant Permit Modification | |
| | <input type="checkbox"/> Other (specify): _____ | | |

7. Is this an application for an initial construction and/or operating permit for a "Greenfield" Source? ☐ Yes ☒ No

8. Is this an application for construction of a new emissions unit at an Existing Source? ☒ Yes ☐ No

PART B: Pre-Application Meeting

Part B specifies whether a meeting was held or is being requested to discuss the permit application.

9. Was a meeting held between the company and IDEM prior to submitting this application to discuss the details of the project?

☒ No ☐ Yes: Date:

10. Would you like to schedule a meeting with IDEM management and your permit writer to discuss the details of this project?

☒ No ☐ Yes: Proposed Date for Meeting:

PART C: Confidential Business Information

Part C identifies permit applications that require special care to ensure that confidential business information is kept separate from the public file.

Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in the Indiana Administrative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, OAQ information regarding submittal of confidential business information. For more information on confidentiality for certain types of business information, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission Data.

11. Is any of the information contained within this application being claimed as **Confidential Business Information**?

☒ No ☐ Yes

PART D: Certification Of Truth, Accuracy, and Completeness

Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

For a Part 70 Operating Permit (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as defined in 326 IAC 2-7-1(34) must certify the air permit application. For all other applicants, this person is an "authorized Individual" as defined in 326 IAC 2-1.1-1(1).

☒ I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

David B. Leef
Name (typed)

Executive Vice President
Title

Signature

Date

6-19-24



OAQ GENERAL SOURCE DATA APPLICATION GSD-01: Basic Source Level Information

State Form 50640 (R5 / 1-10)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
State of Indiana

JUL 05 2024

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

141-48050-00116

PART A: Source / Company Location Information

1. Source / Company Name: ITU AbsorbTech, Inc.		2. Plant ID: 141 – 00116	
3. Location Address: 3900 West William Richardson Drive			
City: South Bend		State: IN	ZIP Code: 46628 –
4. County Name: Saint Joseph		5. Township Name: German	
6. Geographic Coordinates:			
Latitude: N 41 deg 44' 0.2"		Longitude: W 86 deg 18' 16"	
7. Universal Transferral Mercadum Coordinates (if known):			
Zone: N/A	Horizontal: N/A	Vertical: N/A	
8. Adjacent States: Is the source located within 50 miles of an adjacent state?			
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – Indicate Adjacent State(s): <input type="checkbox"/> Illinois (IL) <input checked="" type="checkbox"/> Michigan (MI) <input type="checkbox"/> Ohio (OH) <input type="checkbox"/> Kentucky (KY)			
9. Attainment Area Designation: Is the source located within a non-attainment area for any of the criteria air pollutants?			
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – Indicate Nonattainment Pollutant(s): <input type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> NO _x <input type="checkbox"/> O ₃ <input type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> SO ₂			
10. Portable / Stationary: Is this a portable or stationary source? <input type="checkbox"/> Portable <input checked="" type="checkbox"/> Stationary			

PART B: Source Summary

11. Company Internet Address (optional):	
12. Company Name History: Has this source operated under any other name(s)?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – Provide information regarding past company names in Part I, Company Name History.	
13. Portable Source Location History: Will the location of the portable source be changing in the near future?	
<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> No <input type="checkbox"/> Yes – Complete Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.	
14. Existing Approvals: Have any exemptions, registrations, or permits been issued to this source?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – List these permits and their corresponding emissions units in Part M, Existing Approvals.	
15. Unpermitted Emissions Units: Does this source have any unpermitted emissions units?	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – List all unpermitted emissions units in Part N, Unpermitted Emissions Units.	
16. New Source Review: Is this source proposing to construct or modify any emissions units?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – List all proposed new construction in Part O, New or Modified Emissions Units.	
17. Risk Management Plan: Has this source submitted a Risk Management Plan?	
<input checked="" type="checkbox"/> Not Required <input type="checkbox"/> No <input type="checkbox"/> Yes → Date submitted: EPA Facility Identifier: – –	

PART C: Source Contact Information

IDEM will send the original, signed permit decision to the person identified in this section.
This person **MUST** be an employee of the permitted source.

18. Name of Source Contact Person: Jodi Drew

19. Title (optional): Environmental Engineer

20. Mailing Address: 2700 South 160th Street

City: New Berlin

State: WI

ZIP Code: 53151 –

21. Electronic Mail Address (optional): jdrew@ITUAbsorbTech.com

22. Telephone Number: (262) 782 – 1900

23. Facsimile Number (optional): () –

PART D: Authorized Individual/Responsible Official Information

IDEM will send a copy of the permit decision to the person indicated in this section, if the Authorized Individual or Responsible Official is different from the Source Contact specified in Part C.

24. Name of Authorized Individual or Responsible Official: David B. Leef

25. Title: Executive Vice President

26. Mailing Address: 2700 South 160th Street

City: New Berlin

State: WI

ZIP Code: 53151 –

27. Telephone Number: (262) 782 – 1950

28. Facsimile Number (optional): () –

29. Request to Change the Authorized Individual or Responsible Official: Is the source officially requesting to change the person designated as the Authorized Individual or Responsible Official in the official documents issued by IDEM, OAQ? *The permit may list the title of the Authorized Individual or Responsible Official in lieu of a specific name.*

☒ No ☐ Yes – **Change Responsible Official to:**

PART E: Owner Information

30. Company Name of Owner: Same as Source

31. Name of Owner Contact Person: David B. Leef

32. Mailing Address: 2700 South 160th Street

City: New Berlin

State: WI

ZIP Code: 53151 –

33. Telephone Number: (262) 782 – 1950

34. Facsimile Number (optional): () –

34. Operator: Does the "Owner" company also operate the source to which this application applies?

☒ No – Proceed to Part F below. ☐ Yes – Enter "SAME AS OWNER" on line 35 and proceed to Part G below.

PART F: Operator Information

35. Company Name of Operator: ITU AbsorbTech, Inc.

36. Name of Operator Contact Person: Tanesha Graham

37. Mailing Address: 3900 West William Richardson Drive

City: South Bend

State: IN

ZIP Code: 46628 –

38. Telephone Number: (574) 271 – 1900

39. Facsimile Number (optional): () –

PART G: Agent Information

40. **Company Name of Agent:** Terracon Consultants, Inc.

41. **Type of Agent:** ☒ Environmental Consultant ☐ Attorney ☐ Other (specify):

42. **Name of Agent Contact Person:** Travis Knisley

43. **Mailing Address:** 13400 15th Ave North

City: Minneapolis

State: MN

ZIP Code: 55441 –

44. **Electronic Mail Address (optional):** travis.knisley@terracon.com

45. **Telephone Number:** (763) 489 – 3103

46. **Facsimile Number (optional):** () –

47. **Request for Follow-up:** Does the "Agent" wish to receive a copy of the preliminary findings during the public notice period (if applicable) and a copy of the final determination? ☐ No ☒ Yes

PART H: Local Library Information

48. **Date application packet was filed with the local library:**

49. **Name of Library:** Saint Joseph's County Public Library

50. **Name of Librarian (optional):**

51. **Mailing Address:** 304 South Main Street

City: South Bend

State: IN

ZIP Code: 46601 –

52. **Internet Address (optional):**

53. **Electronic Mail Address (optional):**

54. **Telephone Number:** (219) 282 – 4630

55. **Facsimile Number (optional):** () –

PART I: Company Name History (if applicable)

Complete this section only if the source has previously operated under a legal name that is different from the name listed above in Section A.

56. **Legal Name of Company**

AbsorbTech, LLC

57. **Dates of Use**

1/1996 to 1/1/2014

to

to

to

to

to

to

to

to

to

58. **Company Name Change Request:** Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?

☒ No ☐ Yes – **Change Company Name to:**

Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.

[illegible]

Complete this section to request a change of location for a portable source.

62. Current Location:		
Address:		
City:	State:	ZIP Code: -
County Name:		
63. New Location:		
Address:		
City:	State:	ZIP Code: -
County Name:		

PART L: Source Process Description

Complete this section to summarize the main processes at the source.

64. Process Description	65. Products	66. SIC Code	67. NAICS Code
Industrial Dry Cleaning	Gloves, Absorbents, Textiles	7216	812320

PART M: Existing Approvals (if applicable)

Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.

68. Permit ID	69. Emissions Unit IDs	70. Expiration Date
141-44444-00116	Total Facility	12/6/2026
141-46202-00116	Washer #2 Replacement	12/6/2026

PART N: Unpermitted Emissions Units (if applicable)

Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.

71. Emissions Unit ID	72. Type of Emissions Unit	73. Actual Dates		
		Began Construction	Completed Construction	Began Operation
	N/A			

PART O: New or Modified Emissions Units (if applicable)

Complete this section only if the source is proposing to add new emission units or modify existing emission units.

74. Emissions Unit ID	75. NEW	76. MOD	77. Type of Emissions Unit	78. Estimated Dates		
				Begin Construction	Complete Construction	Begin Operation
PM-6-24	X		Solvent Recovery Dryer			

Table 1: PTE for New Solvent Recovery Dryer PM-6-24

ITU AbsorbTech, Inc.

South Bend, IN

PM-6-24

Dryer Capacity 105 lbs dry clean textiles/load
Load Time 0.5 hours/load

Emission Factor Calculation Based on Solvent Usage

VOC Emission Factor (drying only)* 12.550 lbs VOC/100 lbs dry clean textiles

PM/PM₁₀/PM_{2.5} Emission Factor ** 0.017 lbs PM/lbs dry clean textiles

PM-6-24 Throughput Limit	395,000 lbs dry clean textiles/yr
--------------------------	-----------------------------------

VOC Emissions

PTE	26.36	lbs VOC/hour
PTE	230,871	lbs VOC/yr
PTE	115.44	tons VOC/yr
Limited PTE	49,573	lbs VOC/yr
Limited PTE	24.79	tons VOC/yr

Particulate Emissions		
Lint Filter Efficiency	99%	
PTE	312.73	lbs/yr
PTE	0.16	tons/yr
Limited PTE	67.15	lbs/yr
Limited PTE	0.03	tons/yr

*Assumes 75% of emissions from drying per AP-42 Table 4.1-1, comment e.

**Based on ITU AbsorbTech Mass Balance.

 Cleaner, safer solutions for industry

2700 South 160th Street • New Berlin, WI 53151

Received
State of Indiana

JUL 05 2024

Dept of Environmental Mgmt
Office of Air Quality

CM-1

FIRST-CLASS
AUTO FLAT



FIRST-CLASS MAIL

Indiana Department of Environmental Management
Office of Air Quality - Permits Branch
100 N. Senate Ave. MC 61-53 Room 1003
Indianapolis, IN 46204-46628