

**PHASE II ENVIRONMENTAL
ASSESSMENT REPORT**

**Burlington International Airport House Removals
AIP 84**

**1165 & 1185 Airport Drive
3 & 4 Patrick Street
2 Delaware Avenue
38 & 39 North Henry Court
2 Ledoux Terrace**

South Burlington, Vermont 05403

March 23, 2012

KAS #509110228

Prepared for
Stantec Consulting, Inc.
55 Green Mountain Drive
South Burlington, Vermont 05403

Prepared by



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1.0 INTRODUCTION..... 2

2.0 SCOPE OF WORK..... 3

2.1 Notifications, Approvals, Project Coordination, HASP..... 3

2.2 Above Ground Storage Tank Decommissioning and Cleaning 4

2.3 Building Materials Waste Characterization..... 5

2.4 Household Hazardous Waste Removal 6

2.5 Additional Phase II Environmental Assessment Activities 7

3.0 CONCLUSIONS AND RECOMMENDATIONS..... 8

Appendix A Properties Locations Map

Appendix B AST Photographs

Appendix C Waste Manifest Copies

Appendix D Building Materials Laboratory Data

Appendix E Pipe Investigation Sketch and UST Closure Report

1.0 INTRODUCTION

KAS, Inc. (KAS), conducted Phase II Environmental Site Assessment (ESA) activities at various locations within Airport Improvement Project 84 (AIP 84) owned by the Burlington International Airport in South Burlington, Vermont. This work took place from November 2011 through March 2012.

KAS performed the work for Stantec Consulting, Inc. (Stantec) according to written notice to proceed provided by Stantec on November 10, 2011 and under the terms of the sub-consultant agreement by and between KAS and Stantec dated December 6, 2011. KAS performed overall management and select aspects of the work and retained three subcontractors in connection with this work, as outlined in Section 2.1.

The Phase II ESA work locations within AIP 84 included:

- 1165 & 1185 Airport Drive
- 3 & 4 Patrick Street
- 2 Delaware Avenue
- 38 & 39 North Henry Court
- 2 Ledoux Terrace

The locations of these properties are shown on the property locations map in Appendix A. This report presents a summary of the work that was approved and performed. The conclusions of the work are that two above-ground fuel oil storage tanks (ASTs) and one underground fuel oil storage tank (UST) were successfully decommissioned, a pipe of unknown purpose was investigated at 3 Patrick Street and was found to be an AST fill pipe, and that none of the building materials samples collected and tested were indicative of hazardous demolition wastes. Household hazardous waste (HHW) was removed from one residence.

KAS' sub-consultant agreement with Stantec also provides for KAS' performance of asbestos inspections at all structures within AIP 84 and preparation of asbestos abatement specifications. This work has been completed and has been reported on separately for contractor bidding purposes.

2.0 SCOPE OF WORK

The following work scope was completed.

- Preparation of submittals, notifications, approvals, project coordination, and health and safety plan preparation;
- Decommissioning of two ASTs and one UST, which included cutting, cleaning and waste containerization, transport and disposal of tank derived wastes by a licensed contractor;
- Characterization (sampling and testing) of building materials for waste disposal purposes via toxicity characteristic leaching procedure (TCLP) and lead testing;
- Investigation of a pipe protruding from the ground at 3 Patrick Street to determine if it was related to a tank; and,
- Preparation of a Phase II ESA report (this report).

2.1 Notifications, Approvals, Project Coordination, HASP

Notifications/Approvals

Several notifications and approvals were necessary to implement the work as planned. These were as follows. No permits were required.

- Notification and access agreement of Burlington International Airport staff for coordination purposes, KAS notified Kurt Miller of pending work so that access could be gained to the individual residences.
- Coordination with the Vermont Department of Environmental Conservation (DEC) was performed by EP&S to obtain EPA Identification Numbers for each of the waste generation locations.
- DEC coordination was also required ahead of the scheduled UST decommissioning, this was performed by KAS.
- Pre-marking of the UST excavation and notification of Dig-safe of the pending excavation was performed. The Dig-safe numbers issued to this project were 20115106883 for the UST excavation at 1185 Airport Drive and 20114903920 for the pipe investigation at 3 Patrick Street.

Project Coordination

KAS was contracted by Stantec to implement all work associated with this Phase II ESA. KAS performed all work except for the contracted tasks noted below. Alan Liptak, CPG of KAS and an Environmental Professional pursuant to EPA / ASTM definition, was the project manager and planned all tasks, prepared necessary documents, conducted and oversaw the field work and

wrote the reports.

KAS contracted with Environmental Products and Services of Vermont, Inc. of Williston, Vermont (EP&S) to cut and clean the ASTs and the UST and to manage the tank derived wastes. KAS contracted with Endyne, Inc. Laboratory Services of Williston, Vermont (Endyne) to perform laboratory characterization testing of building materials samples. KAS contracted with Don Weston Excavating Inc. of Williston, Vermont (Weston) to perform excavation work associated with the UST closure and the piping investigation.

Health and Safety Plan (HASP)

A site-specific HASP was prepared and implemented to govern the safety aspects of the job in accordance with the Vermont Occupational Safety and Health Administration (VOSHA) requirements. All KAS personnel, and all personnel involved in the project working for KAS, were briefed on the health and safety requirements. No adverse health and safety incidents occurred during conduct of the work.

2.2 Above Ground and Underground Storage Tank Decommissioning and Cleaning

KAS coordinated, observed and documented the decommissioning of two ASTs and one UST formerly used for storage of #2 fuel oil for home heating purposes. ASTs were decommissioned at 3 Patrick Street and at 38 North Henry Court. One UST was decommissioned at 1185 Airport Parkway.

Prior to UST decommissioning, KAS premarked the UST excavation and obtained Dig-safe # 20115106883. Don Weston Excavating uncovered one end of the UST, which was mostly buried underneath the residential garage foundation. Due to this configuration, permission was obtained from the DEC for an in-place UST closure. The cleaned UST remains beneath the garage and it will be removed when the house is demolished.

EP&S performed the decommissioning work which included cutting and cleaning the ASTs and the UST, manually draining the oil supply and return lines to the furnace (when possible and not inaccessible beneath basement floors or walls), removing the fill and vent piping, and placing the cleaning wastes (including sludge, oil, water, and personnel protective equipment) into containers for shipping to a licensed disposal facility. EP&S also performed documentation including obtaining the appropriate EPA waste generator identification numbers for each location, completing and mailing

the waste manifest paperwork, and compiling the documentation and providing it to KAS.

The cleaned ASTs and UST and associated piping were left on site as clean scrap metal for ultimate disposal by the building demolition contractor. Table 1 presents a summary of the locations where two ASTs and one UST were decommissioned, the date of decommissioning, and the amount and disposition of wastes generated at each location. Photos of the cleaned ASTs are included in Appendix B. A separate UST closure report including photographs was required to be filed with the State of Vermont Department of Environmental Conservation shortly after the UST decommissioning and a copy of this report is included in Appendix E.

Table 1: Summary of AST and UST Decommissioning, AIP 84		
Location	Date	Amount and Disposition of Wastes
3 Patrick Street	12/21/11	30 gallons shipped under manifest on 12/30/11.
38 North Henry Court	12/21/11	15 gallons shipped under manifest on 12/30/11.
1185 Airport Drive	12/22/11	15 gallons shipped under manifest on 12/30/11.

UST and AST-derived wastes were containerized, transported and disposed of by EP&S. Waste manifest copies are included in Appendix C.

An environmental assessment was conducted by KAS following cleaning of the UST at 1185 Airport Drive. The assessment conclusions were that evidence of a release of fuel oil to the environment was not detected. However, due to the in place closure only a limited number of soil samples could be collected and these were taken through small drill holes in the bottom of the cleaned UST. When the UST is removed from the ground the exposed soils should be checked again to verify the conclusion that no release took place.

2.3 Building Materials Waste Characterization

KAS collected samples of building materials from eight locations within AIP 84. The determination of whether to collect a building materials sample from a specific location was based on the estimated age of the building. Lead paint was effectively banned from United States distribution in 1978 and houses in existence before then are likely to contain lead painted surfaces. Within AIP 84, all eight houses were constructed pre-1978. Characterization

sampling was performed to determine that the resulting building debris was not sufficiently enriched in lead so as to render the building waste stream as hazardous by reason of toxicity characteristic – lead.

Representative samples of building materials were collected by KAS’ inspectors concurrent with the asbestos inspection. A reasonable attempt was made to create a building material sample at each location which reflected the composition of the building at large. Destructive sampling techniques were employed and no attempt was made to repair the damage in light of the building’s pending demolition. The sampled materials were varied and included wood, sheetrock, roofing, flooring and floor coverings, exterior siding, concrete, insulating materials, and others, but not friable asbestos containing materials, petroleum or hazardous substances. The samples were containerized and labeled in the field pursuant to KAS’ protocols, then delivered to Endyne under chain of custody procedure for TCLP Lead analysis.

The results of the testing indicate that none of the waste characterization samples contained sufficient extractable lead to render the combined waste stream hazardous by reason of toxicity. The state and federal threshold for TCLP lead is 5 milligrams per liter (mg/l) for designation as hazardous waste and none of the test results equaled or exceeded this threshold. Detectable lead was reported in some of the samples and the reported test results are summarized in Table 2. Copies of the laboratory reports are contained within Appendix D.

Table 2: Summary of TCLP Lead Testing Results, AIP 84		
Location	TCLP Concentration (mg/l)	State/federal threshold for designation (5 mg/l) exceeded?
1165 Airport Drive	0.76	No
1185 Airport Drive	ND <0.20	No
3 Patrick Street	ND <0.20	No
4 Patrick Street	0.27	No
2 Delaware Avenue	ND <0.20	No
38 North Henry Court	0.79	No
39 North Henry Court	ND <0.20	No
2 Ledoux Terrace	0.37	No

2.4 Household Hazardous Waste Removal

KAS contracted with EP&S to identify and remove household hazardous waste materials at the residential structures within AIP 84. A preliminary

inventory of HHW had been made in KAS' Phase I ESA report.¹ However, several months had passed since the Phase I ESA inspections were done and some of the homes had still been occupied at that time. Thus a follow up inspection was performed by EP&S to make sure that HHW contained in the vacated houses was identified and taken care of properly.

For purposes of this Phase II ESA, the intent was to remove all materials that could become problematic for disposal during demolition efforts therefore HHW included all vessels that contained known or suspected petroleum or hazardous substances, including fuels, aerosols, oils, grease, lubricants, oil based paints, solvents, thinners, stains, pesticides/herbicides and similar materials. This also included loose fluorescent light bulbs not attached to fixtures. Excluded from the Phase II work scope was removal of any object or substance physically connected to a residence (such as smoke detectors, paint, caulk, mercury thermostats and furnace switches, and fluorescent light bulbs in fixtures), as well as non-hazardous substances such as latex paint, and common household materials such as detergents, bleach, window cleaner, ammonia, and similar materials.

During this Phase II ESA the only residence in AIP 84 with observed HHW was 2 Ledoux Terrace which was reported to contain various aerosols, adhesives and cleaners. These were removed under hazardous waste "lab pack" manifest on December 30, 2011. A copy of the manifest is included in Appendix C.

2.5 Additional Phase II Environmental Assessment Activities

Piping Investigation-3 Patrick Street

KAS investigated a pipe in the ground at 3 Patrick Street to determine if it was environmentally significant. KAS conducted a site visit on November 29, 2011 to premark the property for Dig-safe notification. Dig-safe #20114903920 was assigned to the project.

Investigative activities took place at the 3 Patrick Street property on December 2, 2011. The fill pipe noted to be protruding from the ground surface at the corner of the house and garage was located (see Site Sketch in Appendix E). The pipe was consistent with a typical UST or AST fill pipe. The excavator traced the pipe to its end. The pipe was noted to be headed into the house at approximately 1 foot below grade and was determined to be connected to the AST in the basement space. No UST was discovered

¹ KAS, Inc., Phase I Environmental Site Assessment Report, Burlington International Airport AIP 84, October 28, 2011.

and no signs of contamination were observed. At the conclusion of the work, all soils were returned to the subsurface. The excavated areas were restored with native material to surface grade.

3.0 CONCLUSIONS AND RECOMMENDATIONS

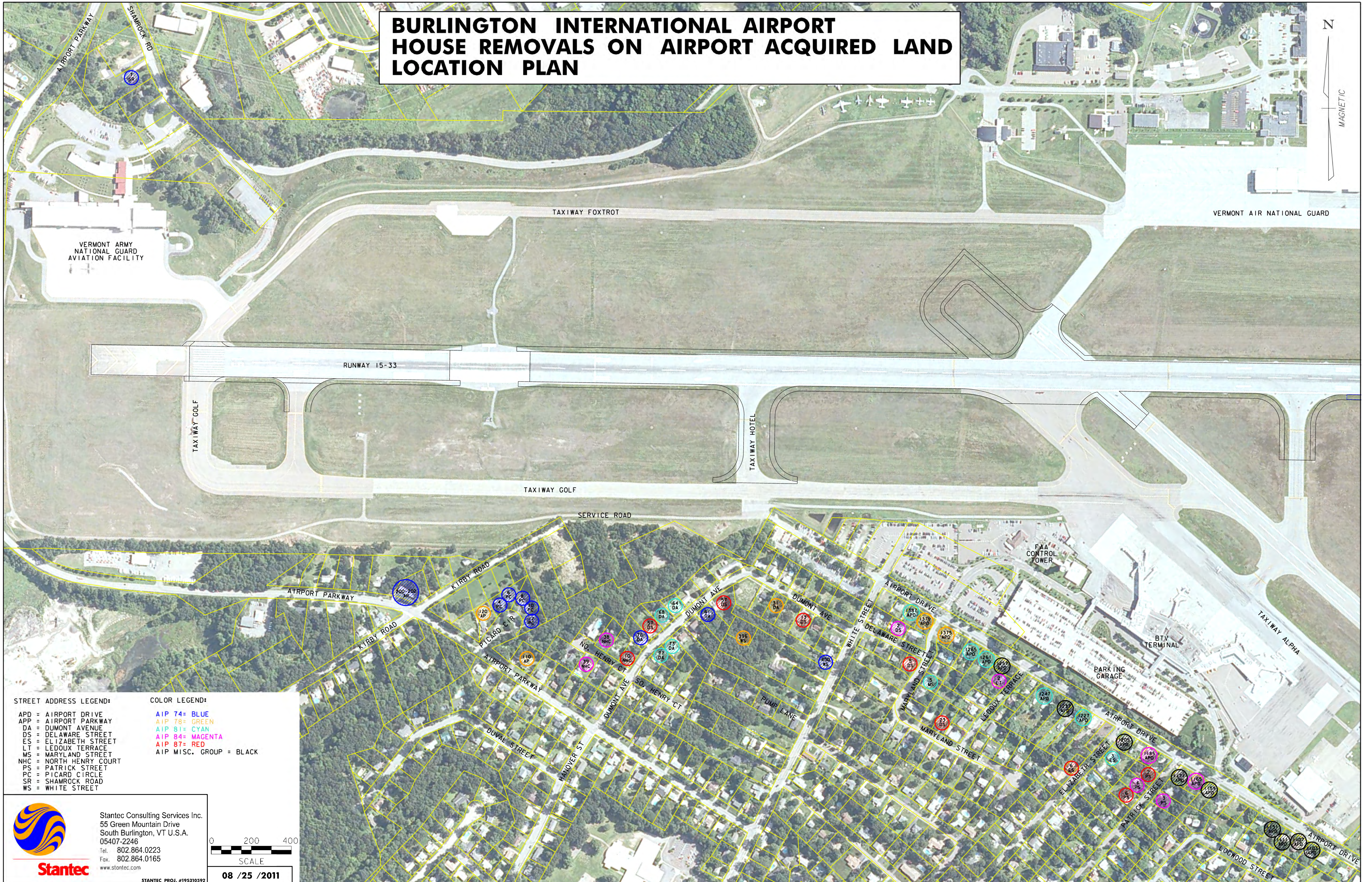
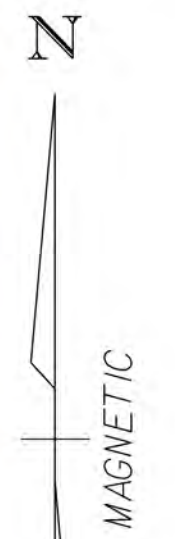
KAS has made the following conclusions in connection with the Phase II ESA work described herein.

- Two former fuel oil ASTs and one former fuel oil UST were successfully decommissioned at 3 Patrick Street, 38 North Henry Court, and 1185 Airport Drive, respectively. Waste materials were properly managed and removed from the properties. The cleaned ASTs were left on site for the demolition contractor. No further Phase II action is required except that the soils below the cleaned UST should be checked when the UST is removed to verify that the UST did not leak.
- Eight houses were sampled and tested for concentrations of lead to determine whether the demolition debris could be hazardous. None of the test results were indicative of hazardous waste due to lead concentrations. The building demolition debris can be disposed of as non-hazardous waste (subject to prior asbestos abatement and compliance with VOSHA regulations).
- HHW was removed under manifest from 2 Ledoux Terrace. No household hazardous wastes were identified or removed from the other seven houses within AIP 84.
- A pipe protruding from the ground at 3 Patrick Street was found to be connected to the removed AST and was not indicative of a UST. No subsurface contamination was found and no further environmental assessment actions are necessary.

Appendix A

Properties Location Map

BURLINGTON INTERNATIONAL AIRPORT HOUSE REMOVALS ON AIRPORT ACQUIRED LAND LOCATION PLAN



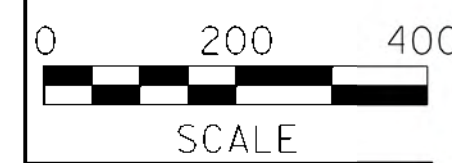
STREET ADDRESS LEGEND:

- APD = AIRPORT DRIVE
- APP = AIRPORT PARKWAY
- DA = DUMONT AVENUE
- DS = DELAWARE STREET
- ES = ELIZABETH STREET
- LT = LEDOUX TERRACE
- MS = MARYLAND STREET
- NHC = NORTH HENRY COURT
- PS = PATRICK STREET
- PC = PICARD CIRCLE
- SR = SHAMROCK ROAD
- WS = WHITE STREET

COLOR LEGEND:

- AIP 74= BLUE
- AIP 79= GREEN
- AIP 81= CYAN
- AIP 84= MAGENTA
- AIP 87= RED
- AIP MISC. GROUP = BLACK


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08 /25 /2011

STANTEC PROJ. #195310592

Appendix B

AST Photographs



Photographic Documentation
AST Closures
Burlington International Airport
South Burlington, VT

Photograph ID: 013

21-Dec-11

Location:

3 Patrick Street

AIP 84

KAS Job Number 509110228



Photograph ID: 014

21-Dec-11

Location:

38 North Henry Court

AIP 84

KAS Job Number 509110228





Appendix C

Waste Manifest Copies

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number V T P 0 0 0 0 1 4 0 6 3	2. Page 1 of 1	3. Emergency Response Phone 300-843-8265	4. Manifest Tracking Number 004156223 FLE		
5. Generator's Name and Mailing Address BURLINGTON INTERNATIONAL AIRPORT 1200 AIRPORT DRIVE, #1 SO BURLINGTON VT 05403 Generator's Phone: 8 0 2 3 6 3 - 2 8 7 4				Generator's Site Address (if different than mailing address): BURLINGTON INTERNATIONAL AIRPORT 3 PATRICK STREET SO. BURLINGTON VT 05403			
6. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC					U.S. EPA ID Number N Y R 0 0 0 1 1 5 7 3 3		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address ENVIRONMENTAL PROD & SVCS OF VT, INC 300 SMITH BLVD. ALBANY NY 12202 Facility's Phone: 5 1 8 4 6 5 - 4 0 0 0					U.S. EPA ID Number N Y D 9 8 6 9 7 1 8 7 7		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	RQ NA1993, Waste Fuel oil (NO. 2) Mixture, 3, PGIII	1	DM	30	G	D001	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information 1) APP #: A1211094-PFT, LX 30 GAL, ERG#128 The material is not considered a RCRA or State Hazardous waste in NYS 2) and is being shipped as an off-specification fuel product to be recycle/reclaimed as a fuel product. 3) 4) JOB#: V2379							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator/Offoror's Printed/Typed Name KURT MILLER					Signature <i>[Signature]</i>		Month Day Year 12 11 11
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name JAMES ROBIDEAU					Signature <i>[Signature]</i>		Month Day Year 12 12 11
Transporter 2 Printed/Typed Name					Signature		Month Day Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)					U.S. EPA ID Number		
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name					Signature		Month Day Year

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number VTP000014064	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156218 FLE	
5. Generator's Name and Mailing Address BURLINGTON INTERNATIONAL AIRPORT 1200 AIRPORT DRIVE, #1 SO BURLINGTON VT 05403			Generator's Site Address (if different than mailing address) BURLINGTON INTERNATIONAL AIRPORT 38 NORTH HENRY CT. SO. BURLINGTON VT 05403			
Generator's Phone: 802 863-2874						
6. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC				U.S. EPA ID Number NYR000115733		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address ENVIRONMENTAL PROD & SVCS OF VT, INC 300 SMITH BLVD. ALBANY NY 12202				U.S. EPA ID Number NYD986971877		
Facility's Phone: 518 465-4000						
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
	1. RQ NA1993, Waste Fuel oil (NO. 2) Mixture, 3, PGIII	1	DF	15	G	D001
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information 1) APP #: A1211095-PFT, L X IS GAL, ERG#128 The material is not considered a RCRA or State Hazardous waste in NYS 2) and is being shipped as an off-specification fuel product to be recycle/reclaimed as a fuel product. 3) 4) JOB#: V2379						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name <i>Walter Miller</i>				Signature <i>[Signature]</i>		Month Day Year 12/30/11
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <i>James Robidoux</i>				Signature <i>[Signature]</i>		Month Day Year 12/30/11
Transporter 2 Printed/Typed Name				Signature		Month Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)				Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name				Signature		Month Day Year



Please print or type

BILL OF LADING

1. Document No. BUR2714
2. Page 1 of 1

3. Generator's Name and Mailing Address
BURLINGTON INTERNATIONAL AIRPORT
1200 AIRPORT DRIVE, #1
SO. BURLINGTON VT 05403

Site Address
2 LEDOUX TERRACE
SO. BURLINGTON VT 05403

4. Generator's Phone (802) 863-2874

5. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC
6. NYR000115733

A. State Transporter's ID 78C50 VI
B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM
10. NYR000115733

E. State Facility's ID
F. Facility's Phone 800 843-8265

11. Shipping Name

12. Containers No. Type 13. Total Quantity 14. Unit Wt./Vol.

a. NON-RCRA, NON-DOT, LIQUIDS, N.O.S. (LAB PACK)

1 1 DF 5 P

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

a. APP #: 1211194-LP, 1 X 5 GAL c.
SEE SLIP #1
b. d.

15. Special Handling Instructions and Additional Information

1) JOB#: V2379

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: Kurt Miller Signature: [Signature] Date: 12/31/11

17. Transporter 1 Acknowledgement of Receipt of Materials Date

Printed/Typed Name: James Robideau Signature: [Signature] Date: 12/31/11

18. Transporter 2 Acknowledgement of Receipt of Materials Date

Printed/Typed Name: Signature: Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name: Signature: Date: Month Day Year

BILL OF LADING

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number V T P 0 0 0 0 1 4 0 6 1	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156207 FLE			
5. Generator's Name and Mailing Address BURLINGTON INTERNATIONAL AIRPORT 1200 AIRPORT DRIVE, #1 SO BURLINGTON VT 05403 Generator's Phone: 8 0 2 8 6 3 - 2 8 7 4				Generator's Site Address (if different than mailing address) BURLINGTON INTERNATIONAL AIRPORT 1257, 1261 & 1265 AIRPORT DRIVE, 2 LEDOUX TERRACE BURLINGTON VT 05403				
6. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC				U.S. EPA ID Number N Y R 0 0 0 1 1 5 7 3 3				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address ENVIRONMENTAL PROD & SVCS OF VT, INC 300 SMITH BLVD. ALBANY NY 12202 Facility's Phone: 5 1 8 4 6 5 - 4 0 0 0				U.S. EPA ID Number N Y D 9 8 6 9 7 1 8 7 7				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. UN1203, GASOLINE MIXTURE, 3, PGII	No.	Type				
		2. RQ NA1993, Waste Fuel oil (NO. 2) Mixture, 3, PGIII						
		3.						
		4.						
14. Special Handling Instructions and Additional Information 1) APP #: A1211105-PFT, 1 X 5GAL IN 30 GAL ERG#128 SHIPPED AS PRODUCT FOR RECYCLE 2) APP #: A1211089-PFT, 1 X 5GAL, ERG#128 The material is not considered a RCRA or State Hazardous waste in NYS 3) and is being shipped as an off-specification fuel product to be recycle/reclaimed as a fuel product. 4) JOB#: V2378								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name <i>Kurt Miller</i>				Signature <i>[Signature]</i>		Month Day Year 12 30 11		
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <i>JAMES ROBIDEAU</i> Signature: <i>[Signature]</i> Month Day Year: 12 2 11 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____							
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____							
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
	Facility's Phone: _____				18c. Signature of Alternate Facility (or Generator)			
					Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month Day Year		
						Month Day Year		

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number V T P 0 0 0 0 1 4 0 6 1	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156208 FLE		
5. Generator's Name and Mailing Address BURLINGTON INTERNATIONAL AIRPORT 1200 AIRPORT DRIVE, #1 SO BURLINGTON VT 05403 Generator's Phone: 8 0 2 8 6 3 - 2 3 7 4			Generator's Site Address (if different than mailing address) BURLINGTON INTERNATIONAL AIRPORT 1257, 1261 & 1265 AIRPORT DRIVE, 2 LEDOUX TERRACE So. BURLINGTON VT 05403				
6. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC			U.S. EPA ID Number N Y R 0 0 0 1 1 5 7 3 3				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address ENPRO SERVICES OF VERMONT, INC. 54 AVENUE D WILLISTON VT 05495 Facility's Phone: 802 923-1950			U.S. EPA ID Number V T R 0 0 0 5 1 7 0 5 2				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	UN1993, WASTE Flammable Liquids, N.O.S. (Petroleum Distillates, Paint), 3, PGIII	1	DF	30	P	D001	
2.	UN1950, WASTE Aerosols, Flammable, 2.1	1	DF	10	P	D001	
3.							
4.							
14. Special Handling Instructions and Additional Information 1) APP #: VT-1211-08649, <u>1</u> X <u>15</u> GAL, SEE SLIP #2, ERG#128 2) APP #: VT-1211-08650, <u>1</u> X <u>5</u> GAL, ERG#126 3) V2339 4) JOB#: V2376, PO#: 41-8467							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name KURT MILLER			Signature <i>Kurt Miller</i>		Month Day Year 12/30/11		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name JAMES ROHIDEAU			Signature <i>James Rohideau</i>		Month Day Year 12/30/11		
Transporter 2 Printed/Typed Name			Signature		Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)			U.S. EPA ID Number				
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)			Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name			Signature		Month Day Year		

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY

Appendix D

Building Materials Laboratory Data



KAS, Inc.
PO Box 787 100306
Williston, VT 05495
Atten: Alan Liptak

PROJECT: 509110228 Burlington Airport
WORK ORDER: **1111-17383**
DATE RECEIVED: November 22, 2011
DATE REPORTED: December 14, 2011
SAMPLER: Jeremy Roberts

Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

DATE REPORTED: 12/14/2011

CLIENT: KAS, Inc.
PROJECT: 509110228 Burlington Airport

WORK ORDER: **1111-17383**
DATE RECEIVED 11/22/2011

001	Site: 39 NH			Date Sampled: 11/17/11	0:00		
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date/Time</u>	<u>Lab/Tech</u>	<u>NELAC</u>	<u>Qual.</u>
TCLP Extract-SVOA/Metals	Completed		EPA 1311	12/5/11	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	12/9/11	W ETK	A	

002	Site: 2 D			Date Sampled: 11/17/11	0:00		
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date/Time</u>	<u>Lab/Tech</u>	<u>NELAC</u>	<u>Qual.</u>
TCLP Extract-SVOA/Metals	Completed		EPA 1311	12/5/11	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	12/9/11	W ETK	A	

003	Site: 38 NH			Date Sampled: 11/17/11	0:00		
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date/Time</u>	<u>Lab/Tech</u>	<u>NELAC</u>	<u>Qual.</u>
TCLP Extract-SVOA/Metals	Completed		EPA 1311	12/5/11	W LJF	A	
Lead, Total TCLP	0.79	mg/L	EPA 6010B	12/9/11	W ETK	A	



KAS, Inc.
PO Box 787 100306
Williston, VT 05495

PROJECT: 509110228 Burlington Airport
WORK ORDER: **1202-02541**
DATE RECEIVED: February 28, 2012
DATE REPORTED: March 14, 2012
SAMPLER: Various

Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
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56 Etna Road, Lebanon, NH 03766
Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

DATE REPORTED: 03/14/2012

CLIENT: KAS, Inc.
PROJECT: 509110228 Burlington Airport

WORK ORDER: **1202-02541**
DATE RECEIVED 02/28/2012

001	Site: 1165 AD			Date Sampled: 1/11/12 Time: 8:45			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/6/12	W LJF	A	
Lead, Total TCLP	0.76	mg/L	EPA 6010B	3/12/12	W MGT	A	

002	Site: 1185 AD			Date Sampled: 1/11/12 Time: 10:20			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/6/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	

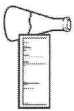
003	Site: 3 PS			Date Sampled: 1/11/12 Time: 14:20			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/6/12	W LJF	A	AN1
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	

004	Site: 4 PS			Date Sampled: 1/19/12 Time: 12:05			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/6/12	W LJF	A	
Lead, Total TCLP	0.27	mg/L	EPA 6010B	3/12/12	W MGT	A	

005	Site: 2 LT			Date Sampled: 2/27/12 Time: 11:40			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/6/12	W LJF	A	
Lead, Total TCLP	0.37	mg/L	EPA 6010B	3/12/12	W MGT	A	

Report Summary of Qualifiers and Notes

AN1: Insufficient sample mass was submitted for a full 100g TCLP extraction. The sample was tumbled as a TCLP screen.



ENDYNE, INC.

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

Special Reporting Instructions/PO#:

KAS PO # 1110543

52131

Project Name: Burlington Airport Houses
 Client/Contact Name: KAS / Alen Lytk
 State of Origin: VT X NY NH Other
 Phone #: 802-383-0486
 Mailing Address: Po Box 787 Williston VT 05495
 Endyne WO # 1202-02541
 Sampler Name: Various
 Phone #: 802-383-0486
 Billing Address: KAS, Inc. Po Box 787 Williston VT 05495

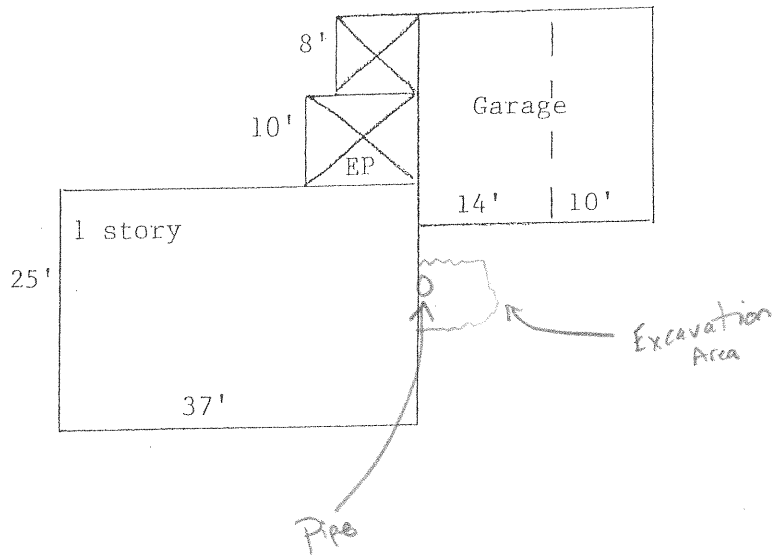
Sample Location	Matrix	G R A B	C O M P	Date/Time Sampled	Sample Containers		Sample Preservation	Analysis Required	Field Results/Remarks	Due Date
					No.	Type/Size				
<u>1165 AD</u>	<u>Bld Mat</u>		<u>X</u>	<u>1/11/12 0845</u>	<u>1</u>	<u>Bgs</u>	<u>None</u>	<u>33</u>		
<u>1185 AD</u>			<u>X</u>	<u>1/11/12 1800</u>	<u>1</u>					
<u>3 PS</u>			<u>X</u>	<u>1/11/12 1420</u>	<u>1</u>					
<u>4 PS</u>			<u>X</u>	<u>1/19/12 1205</u>	<u>1</u>					
<u>ZLT</u>			<u>X</u>	<u>2/27/12 1140</u>	<u>1</u>					

Reinquished by: ADT Date/Time: 2/28/12 1100
 Received by: [Signature] Date/Time: 2/28/12 1047
 Received by: [Signature] Date/Time: 2/28/12 1100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
					pH	TKN	Total Solids	Sulfate	1664 TPH/FOG	8270 PAH Only																				
					Chloride	Total P	TSS	Coliform (Specify)	8015 GRO	8081 Pest																				
					Ammonia N	Total Diss. P	TDS	COD	8015 DRO	8082 PCB																				
					Nitrite N	BOD	Turbidity	VT PCF	8260B	PP13 Metals																				
					Nitrate N	Alkalinity	Conductivity	VOC Halocarbons	8270 B/N or Acid	Total RCRA8																				
					Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn		TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)		33 Other <u>TCLP Pb</u>																					
					Ignitability	Reactivity	Reactivity	Other																						

Appendix E

Pipe Investigation Sketch and UST Closure Report



1"=20'

3 Patrick Street Pipe Investigation Sketch

KAS, Inc. December 2011

PO Box 787
368 Avenue D
Suite 15
Williston, VT 05495
Ph. 802.383.0486
Fax 802.383.0490



December 29, 2011

Ms. Heather Kendrew
Burlington International Airport
1200 Airport Drive
South Burlington, VT 05403

CC Ms. Sue Thayer
Vermont Department of Environmental Conservation
Underground Storage Tank Management
103 South Main Street, West Building
Waterbury, Vermont 05671-0404

RE: Underground Storage Tank Closure Assessment Report
Airport Improvement Project (AIP) 84, 1185 Airport Drive, South
Burlington, VT; Facility #5556198

Dear Ms. Thayer:

On December 22, 2011, KAS, Inc. (KAS) coordinated the closure and conducted the closure assessment of one 275 gallon fuel oil underground storage tank (UST) at the referenced location in the City of South Burlington, Vermont (Attachment 1: Site Location Map). The UST was reportedly installed approximately 60 years ago and was being closed in preparation for demolition. The UST was cleaned but not filled. The cleaned UST will remain in place until the demolition. Prior to being taken out of service the UST had held #2 fuel oil for building heating. No new UST will be installed at the property.

BACKGROUND

The site is part of the Burlington International Airport Improvement Project (AIP), in which properties in the neighborhoods adjacent to the airport have been purchased through FAA grants and will be demolished and the lots will not be used for residency again. Normally a 275 gallon fuel oil UST closure at a single family residence does not require notification of the DEC, however, due to Airport ownership the building is technically a public building.

Attached to this letter are: a Site Location Map (Attachment 1); photographs of the UST and excavation (Attachment 2); and the completed UST Permanent Closure Form including a Site Sketch, and an UST Excavation Sketch (Attachment 3).

SUMMARY PRESENTATION

The residence at 1185 Airport Drive is a cape-style house constructed in the 1950's and a garage and family room addition were added later. A 275 gallon UST on the north side of the house was buried under the garage, but was sitting just flush with the edge of the foundation and was still accessible without having to penetrate the slab foundation. The garage addition was built after the UST was installed. In summary, the UST was successfully closed and no apparent evidence of external leakage was noted. The UST was in fair condition with substantial evidence of external rust, but no pitting or perforations were observed when viewed from the inside. The vent and fill pipes appeared to be in good condition and were cut from the tanks, cleaned, and left onsite. The average soil photoionization device (PID) reading in the area of the UST was 3.9 parts per million (ppm), with the two higher readings having been taken beneath the tank. The two samples which had PID readings above 0.0 ppm were taken beneath the tank and were obtained by drilling through the bottom of the cleaned tank. It is believed that these readings are a result of cross-contaminated from the tank bottom trough which the soil had to be extracted and not from actual leakage of the tank. We anticipate confirming this after the tank is removed and further PID readings will be taken from that location. There was no visual evidence of leakage and no odors from the surrounding soil. Groundwater was not observed in the excavations to a 4 ft depth and no bedrock was observed. No sensitive receptors appear to be at risk. Once the house is demolished, the cleaned tank will be removed from the site.

RESPONSIBILITIES

The UST was owned by the Burlington International Airport. KAS contracted with EPS of Vermont, Inc., Williston, VT, to clean the tank and manage removal of UST-derived waste, which has been removed from the site. Don Weston Excavating of Williston, VT, was contracted for excavation and back-fill. KAS performed the environmental investigation. Removal of the tank is pending upon demolition in the spring, and those contracted by Burlington International Airport for demolition will be responsible for removal and disposal of the cleaned tank.

DETAIL PRESENTATION

KAS arrived on site at 8:46 am on December 22, 2011. The UST had been completely cleaned and the pipes had been removed by 10:51 am. The UST was located under the garage on the north side of the house, and is believed to have been installed in the 1950's. The UST was cylindrical and measured 5 feet in length, 3 feet 8 inches in height, and 2 feet 3 inches in width and was 275 gallon capacity.

The UST was mostly empty of oil at the time of closure. Approximately 6 gallons of oil waste was placed into a 15 gallon drum along with solids associated with cleaning the tank. The drum will be shipped under manifests as hazardous waste (EPA ID # VTP000014070).

The UST had been out of service since the time the house had been sold by the previous owners to Burlington International Airport in November 2010, and previous to that had been a Number 2 Fuel Oil tank for home heating. The single wall steel UST was cleaned in place and no evidence of external leakage was observed. The UST was in fair condition as the outside of it exhibited quite a bit of rust, and the fill and vent lines were in good condition. Neither has visible holes or signs of leaking.

KAS examined the USTs for evidence of corrosion and perforation, monitored soils from the area surrounding the UST, examined for bedrock and groundwater, and indicators of leakage. Soils in the excavation consisted of dry, brown, medium sand. No groundwater or bedrock were encountered. No free product, sheens, or odors were present.

Four soil samples were collected from the UST excavations for field screening of volatile organic vapors. The samples were placed in reclosable bags and screened for the presence of volatile organic compounds (VOCs) using an IonScience Phocheck photoionization device (PID) equipped with a 10.6 eV bulb. The PID was calibrated to an isobutylene standard immediately prior to use. Screening results for the UST closures are presented in Table 1. Corresponding sample locations are depicted on the attached site sketch.

Table 1
Soil Screening Results, 1185 Airport Drive, South Burlington, Vermont
275 Gallon Fuel Oil UST Closure
December 22, 2011

Sample Number	Sample Depth (inches bgs)	PID Reading (ppm)	Location
SS1	10	0.0	Under fill pipe
SS2	30	0.0	Eastern side of tank
SS3	45	7.7	Below UST in place (Eastern side)
SS4	45	7.8	Below UST in place (Western side)
Average PID Reading		3.4	

RECEPTOR SURVEY

During the assessment, KAS conducted a review of potential sensitive receptors in the vicinity of the site. The on site residence is vacant and will be demolished. There is not basement. The nearest adjoining residence is 25 feet north is an occupied. There is only one drilled well within 1/2 mile radius, with the rest being on the municipal water supply. No nearby surface waters were noted. Based on the results of this assessment none of these receptors appear to be at risk from the removed UST.

CONCLUSIONS AND RECOMMENDATIONS

Field observations and soil screening indicate that a release of fuel oil does not appear to have taken place. Low PID readings are believed to be due to cross-contamination from the tank closure process. Further investigations once the tank is removed are needed to confirm our findings.

Please contact me if you have any questions regarding this report.

Sincerely,



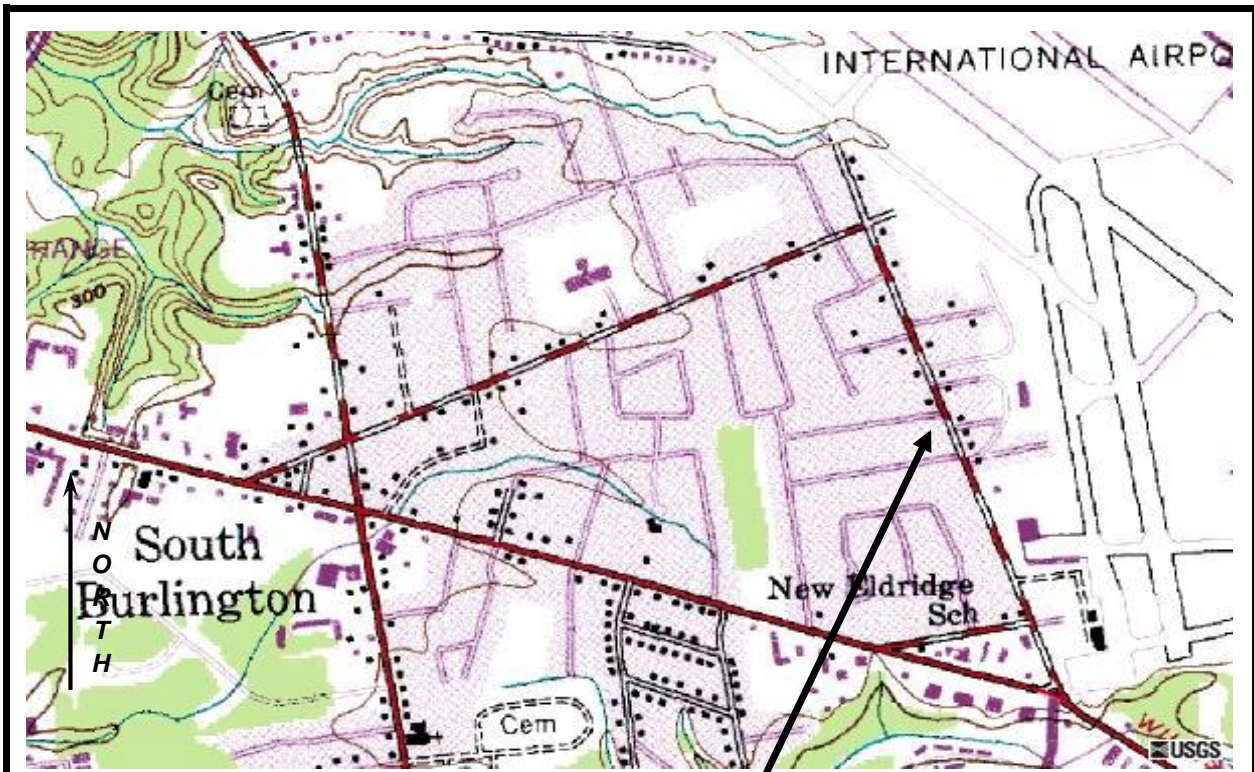
Lauren Morley
Environmental Technician

cc- KAS 509110228



UST Closure Assessment
Burlington International Airport
Former Residence at 1185 Airport Drive

ATTACHMENT 1
Site Location Map



SITE

KAS Job Number 509110228
 Source: <http://msrmaps.com/>



**1185 Airport Drive
 South Burlington, Vermont**

Site Location map
 July 1987 USGS Map

Date: 09/20/11	Drawing No. 0	Scale: 1:24,000	By: ARL
----------------	---------------	-----------------	---------



UST Closure Assessment
Burlington International Airport
Former Residence at 1185 Airport Drive

ATTACHMENT 2

Photographs of UST Removal



PHOTOGRAPHIC DOCUMENTATION
1185 Airport Drive
South Burlington, Vermont
12/22/2011

PLATE 1 Inside cleaned tank



Plate 2 Eastern side of UST exposed



Plate 3 UST cut for cleaning



Plate 4 Hole in UST covered before excavation backfilled





UST Closure Assessment
Burlington International Airport
Former Residence at 1185 Airport Drive

ATTACHMENT 3

**UST Closure Form
Site and Excavation Sketches**

DigSafe # 20115106883

Any release must be reported immediately by calling 802-241-3888. Indicate reporting date:

PID Make: Ionscience

Model Phocheck

Calibration (date/time/gas) 12/22/11 8:00am

Isobutylene

Locate all readings and samples on site diagram

Number of soil samples collected for laboratory analysis: 0

Results due date:

Have any soils been polyencapsulated on site? [X] NO [] YES # cubic yds

PID range > zero: to

Have any soils been transported off site? [X] NO [] YES # cubic yds

Location transported to

Approved by

Amount of soil backfilled (cubic yds) 14

PID range > zero: 0.0 to 7.8

Have limits of contamination been defined? [X] NO [] YES

Other on-site contamination? [X] NO [] YES

Comments: No apparent contamination

Free Phase product encountered? [X] NO [] YES thickness

sheen

Groundwater encountered? [X] NO [] YES depth

Are there existing monitoring wells on-site? [X] NO [] YES How many?

(Locate on site diagram)

Have new monitoring wells been installed? [X] NO [] YES How many?

(Locate on site diagram)

Samples obtained from monitoring wells for lab analysis? [X] NO [] YES

Results due date:

Is there a water supply well on site? [X] NO [] YES

Type: [] shallow [] rock [] spring

Number of public water supply wells located within 0.5-mile radius: 0

Min. distance (ft)

Number of private water supply wells located within 0.5-mile radius: 1

Min. distance (ft) 2,000 ft

Receptors impacted: [] soil [] indoor air [] ambient air [] groundwater [] surface water [] water supply

Section D: Tanks and Piping Remaining or to be Installed. Regardless of size or use, list all USTs currently at facility or to be installed at facility. For "Tank Status," indicate "abandoned," "in use," or "to be installed." Note: Most installations require permits and advance notice to the UST Program.

UST #	Product:	Size (gallons)	Tank age	Tank Status	Piping age	Piping Status

How many total tanks exist or will exist at the facility? (You must include heating oil tanks) None

Section E. Statements of UST closure compliance (Must have both signatures for site assessment to be complete).

As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that all of the information provided on this form is true and correct to the best of my knowledge.

[Handwritten Signature]

1-6-12

Signature of UST owner or owner's authorized representative

Date signed

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

[Handwritten Signature]

12/22/11

Signature of Environmental Consultant

Date signed

Company KAS, Inc.

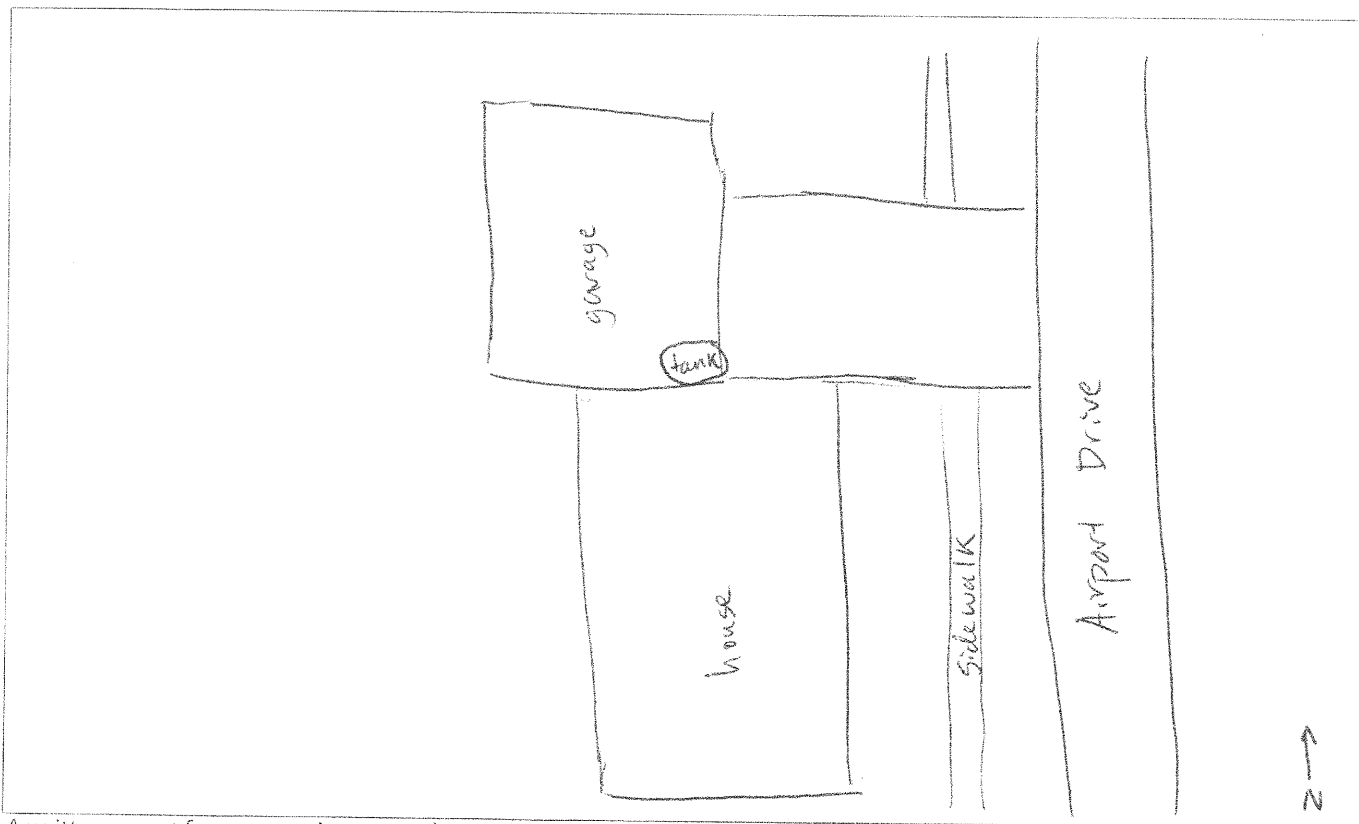
Telephone # 802-383-0486

Date of Closure Dec 22, 2011

Date of Assessment Dec 22, 2011

Return this form along with complete narrative report and photographs to the Department of Environmental Conservation (DEC), Underground Storage Tank Program within 10 days of closure.

Site Diagram:



A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statutes, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.