

**PHASE II ENVIRONMENTAL
ASSESSMENT REPORT**

**Burlington International Airport House Removals
AIP Miscellaneous**

**1103, 1107, 1111, 1131, 1159,
1171, 1205, 1237, and 1257
Airport Drive**

South Burlington, Vermont 05403

March 23, 2012

KAS #509110230

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

Prepared by



368 Avenue D Suite 15 • P.O. Box 787 • Williston, VT 05495
802-383-0486 • Fax 802-383-0490

www.kas-consulting.com



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

3.0 CONCLUSIONS AND RECOMMENDATIONS 7

Appendix A Properties Locations Map

Appendix B Photographs

Appendix C Waste Manifest Copies

Appendix D Building Materials Laboratory Data

1.0 INTRODUCTION

KAS, Inc. (KAS), conducted Phase II Environmental Site Assessment (ESA) activities at various locations within Airport Improvement Project Miscellaneous Property Group (AIP Misc) 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 Misc included:

- 1103, 1107, 1111, 1131, 1159, 1171, 1205, 1237, and 1257 Airport Drive.

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 three above-ground fuel oil storage tanks (ASTs) were successfully decommissioned, household hazardous waste (HHW) was removed from one house, and that none of the building materials samples collected and tested were indicative of hazardous demolition wastes.

KAS' sub-consultant agreement with Stantec also provides for KAS' performance of asbestos inspections at all structures within AIP Misc 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 three ASTs, 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;
- Removal of HHW from one house; 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.

- 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 Environmental Products and Services of Vermont, Inc. of Williston, Vermont (EP&S) to obtain EPA Identification Numbers for each of the waste generation locations.

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 EP&S to cut and clean the ASTs 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.

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 Storage Tank Decommissioning and Cleaning

KAS coordinated, observed and documented the decommissioning of three ASTs formerly used for storage of #2 fuel oil for home heating purposes. EP&S performed the decommissioning work which included cutting and cleaning the ASTs, 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 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 ASTs 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.

Table 1: Summary of AST Decommissioning, AIP Misc

Location	Date	Amount and Disposition of Wastes
1131 Airport Drive	12/22/11	50 gallons removed via manifest on 12/30/11.
1171 Airport Drive	12/22/11	10 gallons removed via manifest on 12/30/11.
1257 Airport Drive	12/22/11	25 gallons removed via manifest on 12/30/11.

AST-derived wastes were containerized, transported and disposed of by

EP&S. Waste manifest copies are included in Appendix C.

2.3 Building Materials Waste Characterization

KAS collected samples of building materials from nine locations within AIP Misc. 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 Misc, all nine 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 Misc

Location	TCLP Concentration (mg/l)	State/federal threshold for designation (5 mg/l) exceeded?
1103 Airport Drive	ND <0.20	No
1107 Airport Drive	4.2	No
1111 Airport Drive	ND <0.20	No
1131 Airport Drive	ND <0.20	No
1159 Airport Drive	ND <0.20	No
1171 Airport Drive	ND <0.20	No
1205 Airport Drive	ND <0.20	No
1237 Airport Drive	ND <0.20	No
1257 Airport Drive	ND <0.20	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 Misc. 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 one house had identified HHW (1103 Airport Drive) where approximately 3 pounds of waste aerosols and 50 pounds of

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

flammable liquids were recovered. Except for 1103 Airport Drive, no household hazardous wastes as defined above were identified in or removed from homes within AIP Misc.

3.0 CONCLUSIONS AND RECOMMENDATIONS

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

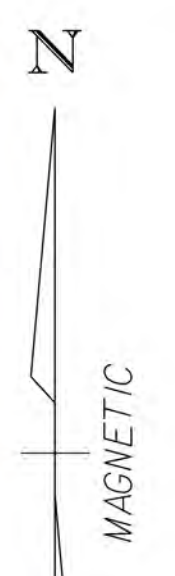
- Three former fuel oil ASTs were successfully decommissioned at 1131, 1171 and 1257 Airport Drive. Waste materials were properly managed and removed from the properties. The cleaned ASTs were left on site for the demolition contractor. No further Phase II action is required.
- All nine houses in AIP Misc 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 observed in one of the nine houses in AIP Misc (1103 Airport Drive) which was removed and properly disposed of.



Appendix A

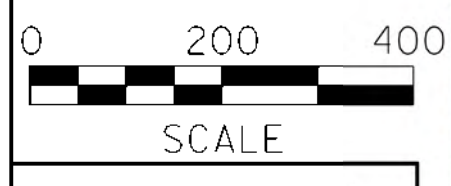
Properties Location Map

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


 Stantec Consulting Services Inc.
 55 Green Mountain Drive
 South Burlington, VT U.S.A.
 05407-2246
 Tel. 802.864.0223
 Fax. 802.864.0165
 www.stantec.com



08 /25 /2011

STANTEC PROJ. #195310592



Appendix B

Photographs



Photographic Documentation
AST Closures
Burlington International Airport
South Burlington, VT

Photograph ID: 019

22-Dec-11

Location:

1131 Airport Drive

AIP Misc.

KAS Job Number 509110230



Photograph ID: 020

22-Dec-11

Location:

1171 Airport Drive

AIP Misc.

KAS Job Number 509110230





Photographic Documentation
AST Closures
Burlington International Airport
South Burlington, VT

Photograph ID: 021

22-Dec-11

Location:
1257 Airport Drive

AIP Misc.

KAS Job Number 509110230





Appendix C

Waste Manifest Copies

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number VTPO00014071	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156230 FLE	
5. Generator's Name and Mailing Address Burlington International Airport 1200 Airport Dr #1 So. Burlington, VT 05403 Generator's Phone: (802) 863-2874			Generator's Site Address (if different than mailing address) 1103 Airport Dr. So. Burlington, VT 05403			
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 ENPRO SVCS OF VT, INC. 54 AVE D Williston, VT 05495 Facility's Phone: (802) 923-1950			U.S. EPA ID Number VTR 000517052			
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.	UN1980, Waste, Aerosols, Flammable, 2.1	1	DF	3	P	D001
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information 1) App #: VT-1211-00649, Lx 2 GAL, ER6#126 2) JOB #: V2381, PO#: 41-8471						
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 KURT MILISE			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 JAMES BOBIDEA			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		VTPO00014071		1. Document No. BUR2716	2. Page 1 of 1
3. Generator's Name and Mailing Address Burlington International Airport 1200 Airport Dr, #1 So Burlington, VT 05403				Site Address 1103 Airport Dr, So. Burlington, VT 05403	
4. Generator's Phone (802) 863-2874					
5. Transporter 1 Company Name Env. Prod & Svcs of VT, Inc.		6. NYR000115733		A. State Transporter's ID 78C50 VT	
7. Transporter 2 Company Name		8.		B. Transporter 1 Phone 800-843-8265	
9. Designated Facility Name and Site Address Environmental Prod & Svcs of VT, Inc 532 State Fair Blvd Syracuse, NY 13204 HM				E. State Facility's ID	
				F. Facility's Phone 800-843-8265	
11. Shipping Name		12. Containers	13. Total	14. Unit	
		No.	Type	Quantity	WL/Vol.
a. Non-RCRA, Non-DOT Liquids, N.O.S. (Lab Pack)		1	DF	50	P
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above a. App #: 121199-LP, 1 X 15 GAL See Slip #1					
15. Special Handling Instructions and Additional Information 1) JOB #: V2381					
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 <i>[Signature]</i>	Date 2 15 11
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James Robideaux	Date 12/30/11
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature	Date
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

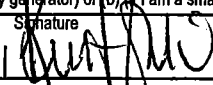
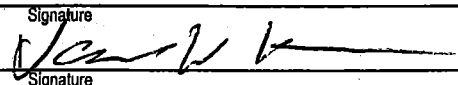
GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number V T P 0 0 0 0 1 4 0 6 8	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156227 FLE		
5. Generator's Name and Mailing Address BURLINGTON INTERNATIONAL AIRPORT 1200 AIRPORT DRIVE, #1 SO BURLINGTON VT 05403 Generator's Phone: 802 863-2874				Generator's Site Address (if different than mailing address) BURLINGTON INTERNATIONAL AIRPORT 1131 AIRPORT DRIVE 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: 518 465-4000					U.S. EPA ID Number 1 NYD986971877		
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, NAKK PGIII	1	DM	50	G	0001	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1) APP #: A1211108-PFT, 1 x 55 GAL, ER6#125. The material is not considered 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. 2) RCRA haz in NYS and is being shipped as an off-spec product for recycle 3) 4) JOB #: V2381							
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/Offereor's Printed/Typed Name <i>Kurt 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: _____ Transporter signature (for exports only): _____ 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 12/30/11
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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number VT P000014069	2. Page 1 of 1	3. Emergency Response Phone 800-843-8265	4. Manifest Tracking Number 004156228 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) 1171 Airport Dr. So. Burlington, VT 05403			
Generator's Phone: (802) 863-2874			U.S. EPA ID Number NYR 000115733			
6. Transporter 1 Company Name Env. Products & Svcs of VT, Inc.			U.S. EPA ID Number			
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	Dr	10	G	D001
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information 1) App #: A1211107-DFI, 1-XLS GAL ERG#128, The material is not considered a RCRA or state Haz waste in NYS and is being shipped as an off-spec product for recycle. 2) state Haz waste in NYS and is being shipped as an off-spec product for recycle. 3) 4) JOB #: VZ81						
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/Offorer's Printed/Typed Name Kurt Miller			Signature 		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: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name James Robice			Signature 		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	

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	5	G	VT99	
		2. RQ NA1993, Waste Fuel oil (NO. 2) Mixture, 3, PGIII	1	DM	25	G	D001	
		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 _____		

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number VT 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	



Appendix D

Building Materials Laboratory Data



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

PROJECT: 509110230 Burlington Airport
WORK ORDER: **1202-02482**
DATE RECEIVED: February 24, 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
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: 03/14/2012

CLIENT: KAS, Inc.
PROJECT: 509110230 Burlington Airport

WORK ORDER: **1202-02482**
DATE RECEIVED 02/24/2012

001	Site: 1103 AD			Date Sampled: 1/31/12 Time: 9:55			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
002	Site: 1107 AD			Date Sampled: 1/31/12 Time: 11:55			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	4.2	mg/L	EPA 6010B	3/12/12	W MGT	A	
003	Site: 1111 AD			Date Sampled: 1/31/12 Time: 12:56			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
004	Site: 1131 AD			Date Sampled: 2/7/12 Time: 11:00			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
005	Site: 1159 AD			Date Sampled: 2/7/12 Time: 13:00			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
006	Site: 1171 AD			Date Sampled: 2/7/12 Time: 14:55			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
007	Site: 1205 AD			Date Sampled: 2/14/12 Time: 8:30			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	
008	Site: 1237 AD			Date Sampled: 2/14/12 Time: 11:30			
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
TCLP Extract-SVOA/Metals	Completed		EPA 1311	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	

Laboratory Report

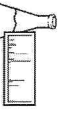
DATE REPORTED: 03/14/2012

CLIENT: KAS, Inc.
PROJECT: 509110230 Burlington Airport

WORK ORDER: **1202-02482**
DATE RECEIVED 02/24/2012

009 Site: 1257 AD Date Sampled: 2/22/12 Time: 12:40

<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	3/5/12	W LJF	A	
Lead, Total TCLP	< 0.20	mg/L	EPA 6010B	3/12/12	W MGT	A	



ENDDYNE, INC.

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

CHAIN-OF-CUSTODY-RECORD

52133

Special Reporting Instructions/PO#: KAS PO# 1110545

Project Name: Burlington Airport Hazard	Client/Contact Name: KAS / Alan Lytkk	Sampler Name: Vernovs
State of Origin: VT X NY NH Other	Phone #: 802-383-0486	Phone #: 802-383-0486
Endyne WO # 1202-02482	Mailing Address: Po Box 787 Williston VT 05495	Billing Address: KAS Po Box 787 Williston VT 05495

Sample Location	Matrix	GRA B	COM P	Date/Time Sampled	Sample Containers No. Type/Size	Sample Preservation	Analysis Required	Field Results/Remarks	Due Date
1103 AD	By Net		X	1/31/12 0955	1 Bag	None	33		
1107 AD			X	1/31/12 1155					
1111 AD			X	1/31/12 1256					
1121 AD			X	2/7/12 1100					
1159 AD			X	2/7/12 1300					
1171 AD			X	2/7/12 1455					
1205 AD			X	2/14/12 0830					
1237 AD			X	2/14/12 1130					
1257 AD			X	2/22/12 1240					

Relinquished by: **ASD** Date/Time: **2/24/12** Received by: **Jane Fardela** Date/Time: **2/24/12 11:10**

	6	11	16	21	26	30	33	37
1 pH	TKN	Total Solids	Sulfate	1664 TPH/FOG	26	8250 PAH Only		
2 Chloride	Total P	TSS	Coliform (Specify)	8015 GRO	27	8081 Pest		
3 Ammonia N	Total Diss. P	TDS	COD	8015 DRO	28	8082 PCB		
4 Nitrite N	BOD	Turbidity	VT PCF	8260B	29	PP13 Metals		
5 Nitrate N	Alkalinity	Conductivity	VOC Halocarbons	8270 B/N or Acid	30	Total RCRA8		
31 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								
32 TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)							33 Other TELP Lead	
34 Corrosivity	Ignitability	Reactivity						
38 Other								

LAB USE ONLY
Delivery: **client**
Temp: **2.2°C**
Comment: