
WATER QUALITY TESTING

FOR

EAST DUBUQUE SCHOOL DISTRICT 119

ADMINISTRATION BUILDING

EAST DUBUQUE, ILLINOIS

NOVEMBER 10, 2017

PROJECT NUMBER: 17-18351



A DIVISION OF GALLAGHER BASSETT SERVICES, INC.

1550 Hubbard Ave., Batavia, IL 60510, 630-879-3006

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INTRODUCTION

East Dubuque School District 119 implemented a proactive program of water testing at the Administration Building. Water sampling was conducted by Mr. Dan Petras of Aires Consulting on November 10, 2017. Mr. Geoffrey J. Bacci II, P.E. designed the study and developed this report.

All sampling methodology followed protocol required by The Lead in Drinking Water Testing Bill (LDWTB) and guidelines published by the Illinois Department of Public Health (IDPH). Detailed background information on testing requirements, methodology and lead health effects are included in the main report to the District that summarizes results and offers recommendations.

RESULTS

Field sheets identifying sample numbers and sample locations maps are included in Appendix I. Laboratory results are included in Appendix II.

All results were non-detectable (< 2 ppb) for lead.

Results should at minimum be posted on the District's website within 7 days. The sample results should be e-mailed to IDPH within 7 days.

PROFESSIONAL CERTIFICATION

Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of East Dubuque School District 119 to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated.* If you have any questions concerning this study please let us know.

Respectfully Submitted,



Geoffrey J. Bacci, II, PE
Director Operations

Aires Consulting - Gallagher Bassett
Project Number: 17-_____

ISBE ID:

Building ID:

Building Description:

Sample Collection Date: _____

Collected by:

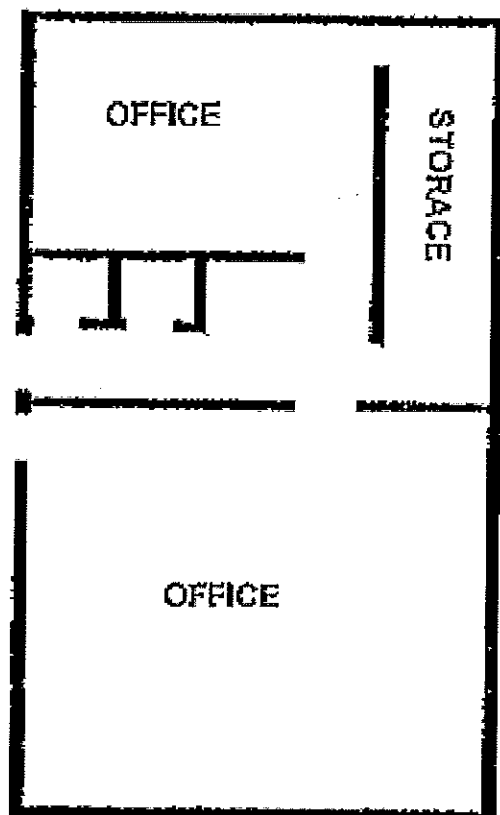
[illegible]



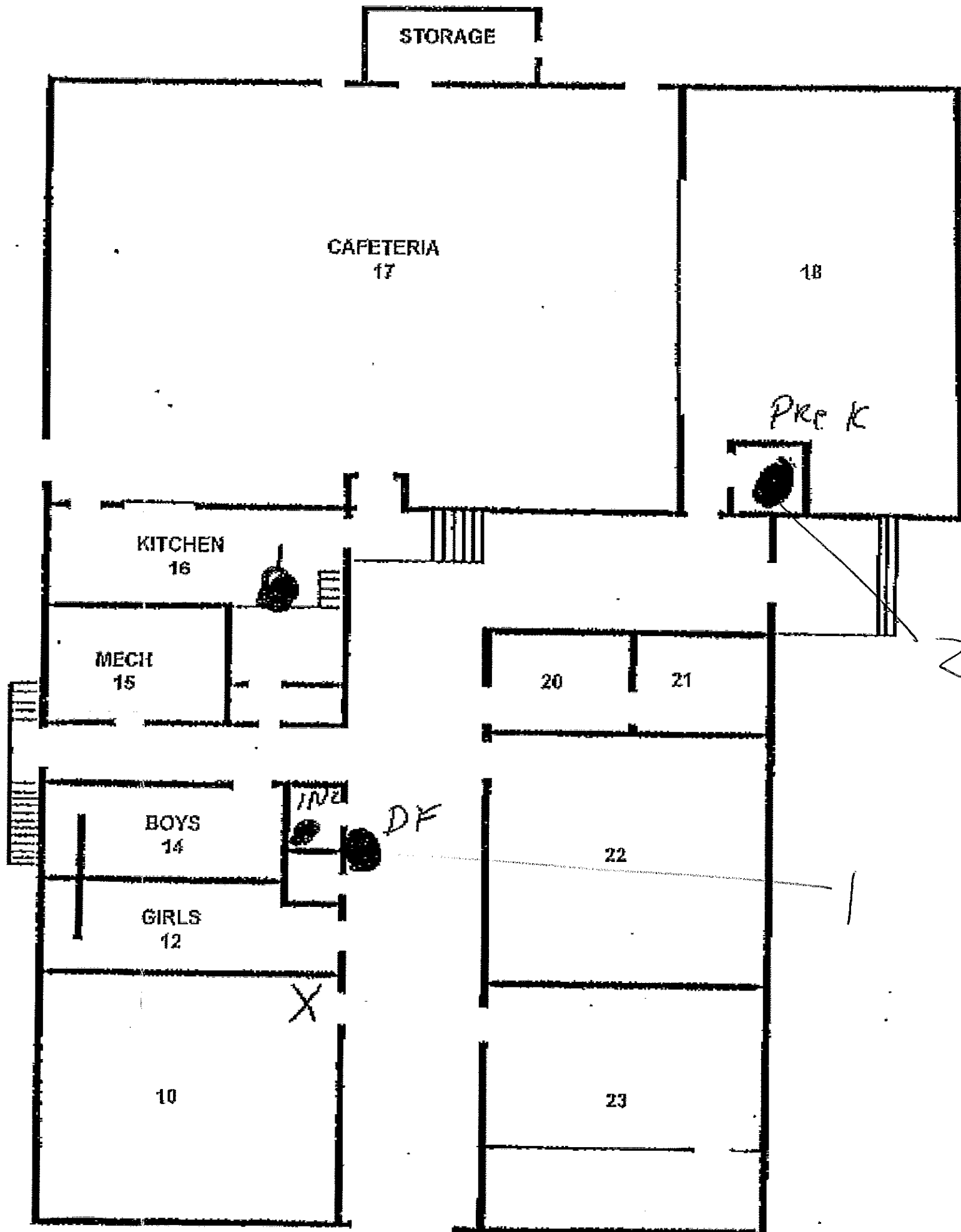
ELEMENTARY SCHOOL
SQUARE UNIT
EAST DUBUQUE, ILLINOIS

Office
& Lower Level

DF = 1
CLASS ROOM = 1
KITCHEN = 1
Incoming = 1



LOWER LEVEL



UPPER LEVEL



Wednesday, December 6, 2017

Geoff Bacci II
 Aires Consulting Group
 1550 Hubbard Ave.
 Batavia, IL 60510
 TEL: (630) 879-3006
 FAX: (630) 879-3014

RE: East Dubuque Admin Office

PAS WO: 17K0373

Prairie Analytical Systems, Inc. received 7 sample(s) on 11/14/2017 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina E. Pierce".

Christina E. Pierce
 Project Manager

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: East Dubuque Admin Office
 Client Sample ID: EDAWF-1A
 Collection Date: 11/10/17 11:05

Lab Order: 17K0373
 Lab ID: 17K0373-01
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 9:57	11/28/17 22:06	EPA200.8 R5.	JTC

Client Sample ID: EDAWF-1B
 Collection Date: 11/10/17 11:05

Lab ID: 17K0373-02
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 9:57	11/28/17 22:09	EPA200.8 R5.	JTC

Client Sample ID: EDAS-2A
 Collection Date: 11/10/17 11:09

Lab ID: 17K0373-03
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 9:57	11/28/17 22:12	EPA200.8 R5.	JTC

Client Sample ID: EDAS-2B
 Collection Date: 11/10/17 11:09

Lab ID: 17K0373-04
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 9:57	11/28/17 22:15	EPA200.8 R5.	JTC

Client Sample ID: EDAKS-3A
 Collection Date: 11/10/17 11:12

Lab ID: 17K0373-05
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 10:01	11/28/17 22:24	EPA200.8 R5.	JTC

Client Sample ID: EDAKS-3B
 Collection Date: 11/10/17 11:12

Lab ID: 17K0373-06
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 10:01	11/28/17 22:44	EPA200.8 R5.	JTC

Client Sample ID: EDAIF-4
 Collection Date: 11/10/17 11:20

Lab ID: 17K0373-07
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/28/17 10:01	11/28/17 22:47	EPA200.8 R5.	JTC

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group
Project: East Dubuque Admin Office
Client Sample ID: EDAIF-4
Collection Date: 11/10/17 11:20

Lab Order: 17K0373
Lab ID: 17K0373-07
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
pH	7.36	0.0100		pH Units	1	11/10/17 11:20	11/10/17 11:20	EPA150.1	

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: East Dubuque Admin Office

Lab Order: 17K0373

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007670 - EPA 200.8 Metals

Blank (A007670-BLK1)

Prepared & Analyzed: 11/28/201

Lead	U	2.00	µg/L
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LCS (A007670-BS1)

Prepared & Analyzed: 11/28/201

Lead	494	2.00	µg/L	500.00	99	85-115
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Matrix Spike (A007670-MS1)

Source: 17K0042-43

Prepared & Analyzed: 11/28/201

Lead	480	2.00	µg/L	500.00	7.00	95	75-125
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Matrix Spike (A007670-MS2)

Source: 17K0075-07

Prepared & Analyzed: 11/28/201

Lead	467	2.00	µg/L	500.00	0.331	93	75-125
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Matrix Spike Dup (A007670-MSD1)

Source: 17K0042-43

Prepared & Analyzed: 11/28/201

Lead	485	2.00	µg/L	500.00	7.00	96	75-125	1	20
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Matrix Spike Dup (A007670-MSD2)

Source: 17K0075-07

Prepared & Analyzed: 11/28/201

Lead	464	2.00	µg/L	500.00	0.331	93	75-125	0.6	20
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Batch A007671 - EPA 200.8 Metals

Blank (A007671-BLK1)

Prepared & Analyzed: 11/28/201

Lead	U	2.00	µg/L
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LCS (A007671-BS1)

Prepared & Analyzed: 11/28/201

Lead	489	2.00	µg/L	500.00	98	85-115
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Matrix Spike (A007671-MS1)

Source: 17K0373-05

Prepared & Analyzed: 11/28/201

Lead	446	2.00	µg/L	500.00	1.26	89	75-125
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Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Admin Office

Lab Order: 17K0373

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007671 - EPA 200.8 Metals

Matrix Spike (A007671-MS2)

Source: 17K0374-08

Prepared & Analyzed: 11/28/201

Lead	459	2.00	µg/L	500.00	0.111	92	75-125			
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Matrix Spike Dup (A007671-MSD1)

Source: 17K0373-05

Prepared & Analyzed: 11/28/201

Lead	433	2.00	µg/L	500.00	1.26	86	75-125	3	20	
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Matrix Spike Dup (A007671-MSD2)

Source: 17K0374-08

Prepared & Analyzed: 11/28/201

Lead	526	2.00	µg/L	500.00	0.111	105	75-125	14	20	
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Prairie Analytical Systems, Inc.**Date:** 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group**Project:** East Dubuque Admin Office**Lab Order:** 17K0373

Notes and Definitions

* NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client		Aires Consulting - Gallagher Bassett				Analysis and/or Method Requested				Reporting	
Address		1550 Hubbard Ave				Lead in Drinking Water - IL				TACO	
City, State, Zip Code		Batavia, IL 60510								Residential	
Phone / Facsimile		630.879.3006								Industrial / Commercial	
Project Name / Number		East Dubuque School District								A <input type="checkbox"/> D <input type="checkbox"/>	
Project Location		East Dubuque Admin office								B <input type="checkbox"/> E <input type="checkbox"/>	
P.O. # or Invoice To		17-18351								C <input type="checkbox"/> F <input type="checkbox"/>	
Contact Person		Geoff Bacchi II								Residential	
Sample Description		Sampling Date		Matrix Code		Preserv Code		No. of Containers		RISC	
		Time								Industrial	
										Sampler Comments	
See attached Addendum (1 pages) for sample information (7 samples)											
<p>Unless otherwise noted:</p> <p>Matrix Code: DW</p> <p>Preservative Code: 0</p> <p>No. of containers per sample: 1</p> <p>Sample Type: Grab</p> <p>Analysis requested: Lead in Drinking Water</p>											
Matrix Code		A - Aqueous		DW - Drinking Water		GW - Ground Water		NA - Non-Aqueous Liquid		S - Solid	
Preservative Code		0 - None		1 - HCl		2 - H2SO4		3 - HNO3		4 - NaOH	
Requisitioned By		Date		Time		Received By		Date		Time	
[Signature]		11/13/17		2:00		[Signature]		11/14/17		7 AM	
[Signature]		11/14/17		1:30 PM		[Signature]		11/14/17		1330	
[Signature]		11/15/17		1:50 PM		[Signature]		11/15/17		1500	
Instructions:										Temperature (°C)	
										9.7	
										On wet ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
										QC Level <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
										Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
										Date Required:	

Appendix II

[illegible]