PFAS and Other Emerging Contaminants Conference

Hosted by ACEC & GWPNC Raleigh Marriot City Center April 23 & 24, 2019

Continuing Education: Certificate of Completion

~ 12 CEU ~

NCBLG Approval Code: 180083

Professional and Licensed Geologists are able to claim 12 Professional Development Hours for attending both days of the event. These hours not only include instruction with a technical or geological element but also breaks, meals, or functions as detailed in the amended NCBLG policy for Continuing Education.

Tuesday, April 23, 2019 Credit: 6 CEU

<u>Topic</u> <u>Speaker</u>

PFAS Introduction and Chemistry Aaryn Jones, Elizabeth Denly, James McCord

PFAS Occurrence, Fate, and Remediation Lee Ferguson, Stephen Zemba, Christopher Zevitas, Jeffrey McDonough

PFAS Toxicology, Risk Assessment Risk Jamie Dewitt, Jennifer Arblaster, Johnsie Communication Lang

Gen X in North Carolina

Detlef Knappe, Julie Woosley, Mike
Abraczinskas, Geoffrey Gisler

Wednesday, April 24, 2019 Credit: 4.5 CEU

<u>Topic</u> Speaker

1,4-Dioxane Hunter Anderson, Caitlin Bell, Brant Smith

Other Emerging Contaminants and Issues Sandy Mort, Kelly Johnson, Amber Greune

Regulatory Considerations and Legal Mike Borchers, Sean Sullivan, Ethan Insights Ware

Attachments:

Attendance List
NCBLG Continuing Education Approval Letter





Chairman, Bill Miller
Vice Chairman, Steve Stadelman
Secretary-Treasurer, Kenneth Taylor
Members
Rachel Kirkman
Steve Miller
John Stevens



P.O. Box 41225 Raleigh, NC 27629-1225 Telephone (919) 850-9669 Email: barbara.geiger@ncblg.org Website: www.ncblg.org

North Carolina Board for Licensing of Geologists RECEIVED

January 16, 2019

Joshua Hanks Division of Waste Management - Superfund Section 217 West Jones Street Raleigh, NC 27699 JAN 2 4 2018

Superfund Section

Re:

Application for Continuing Education Approval

Activity Title: PFAS and Other Contaminants Conference

Sponsoring Organization: ACEC/NC and GWPNC

Activity Date: April 23-24, 2019

Approval Code: 180083 Hours Approved: 12

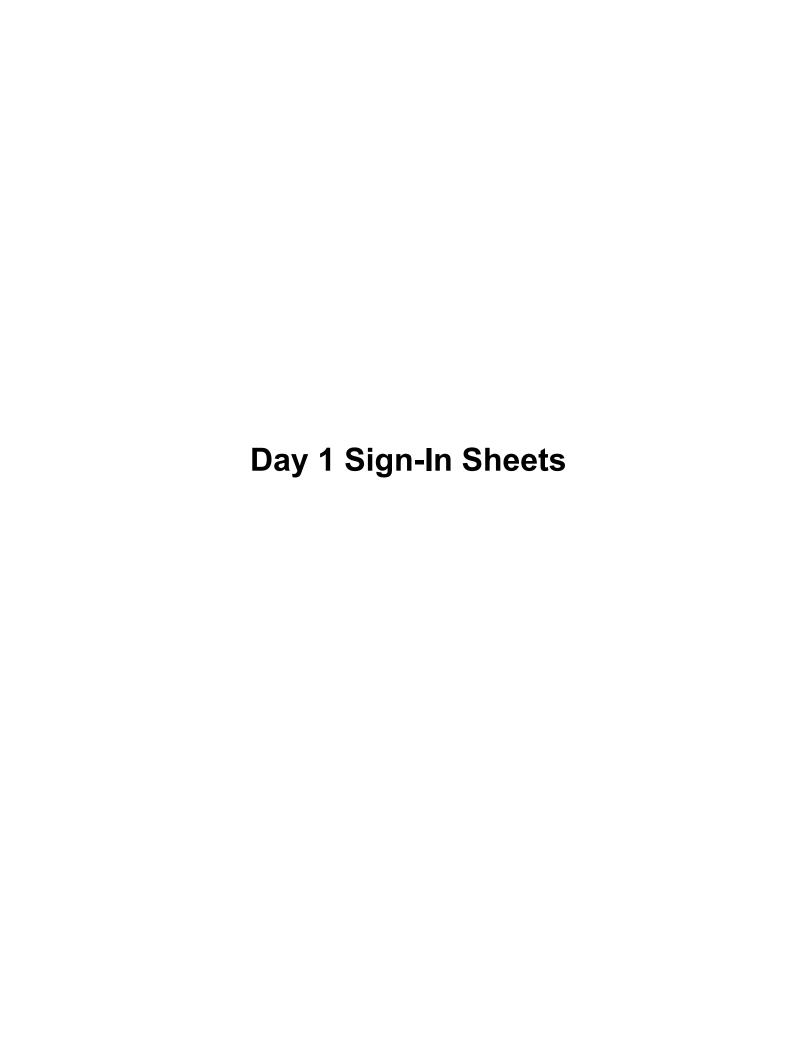
Dear Mr. Hanks:

Your application for continuing education (CE) was reviewed and approved by the Continuing Education Committee and the Board on January 15, 2019. The activity has been approved for 12 Professional Development Hours (PDH).

Please use the approval code above to report your continuing education using the Continuing Education Reporting Form when completing your annual license renewal.

Sincerely,

Barbara U. Geiger Executive Director



Course Sponsor ACEC of NC Course Name PFAS and Other Emerging Contaminants Conference - Day 1 Contact Hours 6.0 Date of Course April 23, 2019 Instructor's Name Various; See Attached Agenda I hereby certify that the persons listed below did in fact attend this course: Sponsor Contact Person Jessica Mills Date Report Submitted 04/23/2019	
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Sponsor Contact Person Jessica Mills	
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0.1/00/100.10	
Date Report Submitted 04/23/2019	
ATTENDEES NAME NORTH CAROLINA LICENSE NUMBER	
George Crouse # 1486	NCK6
William Frazier # 2576 NLPG	
Casey Portela # 2525 No	 PG
Samantha Black	
Genna Olson NC PG	
	

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ATTENDEES NAME		H CAROLINA SE NUMBER
Brian S. Boutin Ohnstie Zawtock FERN PATERSON	PG-126	8
Ohnstie Zawtock	PE 27	122
FERN PATERSON	PE C	34405
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Revised 03/04

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Date Report Submitted 04/23/2019		
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER	
Kirk B. Pollard	LG 1323	
DAVID BREWSTER	LG 1212	
MARK POWERS		
Carol Jones Van Bru	MCBAR 1825a	(if applical
Juson Ricks	16 2505	• •
MILL BABLIN	<u>LG 651</u>	
William Schmithorst	<u>La 1183</u>	
Lisa Nickels	L & 2568	
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Instructor's Name Various; See Attached Agenda I hereby certify that the persons listed below did in fact attend this course: Sponsor Contact Person Dessica Mills Date Report Submitted O4/23/2019 ATTENDEES NAME NORTH CAROLI LICENSE NUMB Margard Mass for 2R in Stewart 2026 To 22 Peter (Seam) Bayles redamas Sem La 1403	<u> </u>
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ATTENDEES NAME Margard Mass (br 22 ms 7c war) Peter (Sean) Buyles rectarnas sem a grant was a grant	
Sponsor Contact Person Date Report Submitted ATTENDEES NAME Margard Mass (br 2RN Stewart) Peter (Sean) Bayles redsprings seem and G 1403	<u>. </u>
Date Report Submitted 04/23/2019 ATTENDEES NAME Norgard Mass (or 221/257ewart) Peter (Sean) Beyles recognings seem as LG 1403	
Retar (Sean) Boyles redsprings seem LG 1403	
Peter (Sean) Bayles redgangs sean LG 1403	· · · · · · · · · · · · · · · · · · ·
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Date Report Submitted 04/23/2019	-	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
BONNIE S. WARE		NC76-2464
Richard C. Concepción		N/A
Autumn Romanski		MA
RyAN Channell		PG-2389
Toe Ghiold		PG-1895
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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Christopher FAY		NEPG 2530
George Matthew James		R- 2310
STEPHEN MARK BROWN		NC 1711
Leura Robertson Elliott		NC 2271
J. DERRICK BELL		46 1621

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Date Report Submitted 04/23/2019	············	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Alexander Culpepper Juson Rucks	_	2402
Juson Ricks		2505
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Revised 03/04

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Sponeor Contact Person Jessica Mills		
Oponisor Contact i erson		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
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Sponsor Contact Person Jess	ica Mills		
Date Report Submitted 04/2	3/2019		
ATTENDEES	<u>NAME</u>		NORTH CAROLINA LICENSE NUMBER
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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
TYMY DAVIS		19714
TYPHY DAVIS Kelly Sohnson		2510
		
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Date Report Submitted 04/23/2019	·	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Vicki Garlington	NCPG license	2563
Vicki Garlington Jeff Tyburski	NCPG License	1363
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ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Brett Engard	PG # 2446
Shane Chasteen	P6#2315
Michael E. Mason	PE # 11299
Jason R. Catlin	PE # 037847
ROUIT WORRIER	Port
Joshua Hanks	PG

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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
JAMES A. BENNETT		GEO - 1002
Thomas J. Mars FERN FATERSON		2032
FERN FATERSON		P.E. (NC)
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ATTENDEES NAME Too Starv		NORTH CAROLINA LICENSE NUMBER		
Bilan Vina Kirsten Hortdahl		PE(NC)		
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Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Derrick Josey	_	NIA_
 		
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	1/23/2019		
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	Oponisor Contact reison		
	Date Report Submitted 04/23/2019	 .	•
	ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
	JAMES FLECHTNER	_	NC PE 20069
	MARK MILLER		NCLG 1715
مريو	WITHOUT OHN PALMET (JPALMET	E@FANDR.CO	
,	SAMUEL WATTS	-	NCLG 1806
	MITTURE WHITE	-	11020 1000
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Date Report Submitted 04/23/2019	
ATTENDEES NAME JIM SERNE STROCK	NORTH CAROLINA LICENSE NUMBER CH 13517
JIM SERNE (ISERNE ETROS Lindsey Walata	Geology 1014
ROHIT SHETTY	PE 026230
BONANI LANGAN	PE
Helen Corley	PG 1485
Chad Northington	PE 034408
	

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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
MILES GALLOWAY (8:30 - 2:00		43162 PE
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ATTENDEES NAME		NORTH CARC	
LINDA F. RAYNOR		1419	NCBLG
EDWARDW. HENKE		1598	NCBLG
Isido M.Perera			
JOHN FEARZINGTON		45299	
Joan A. Snyth		1369	NCBLG
Jaya Doe			
			 :

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MATT EINSMANN	_	025312
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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
CHARLES HOFFMAN		2370
Enc Aufdehson		1526
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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
BRETT MORRIS		PG 2424
Shauna W. Coldnell		PG 1605
Darren Steinhiller		PE 027827

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Date Report Submitted 04/23/2019	<u> </u>	
ATTENDEES NAME	00 AM - 5800 P.	NORTH CAROLINA LICENSE NUMBER
11/11/20	_	PE 041703
MIKE MINETY	_	
Geost Pelledia		
Thichael from 8:0	0-5:00 pm	PG 1168 m
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	nants Conference - Day 1
tact Hours 6.0	A
tructor's Name Various; See Attached Agenda	
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ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Madeline German	2275
Die	
Steven B. Lucas	1402 PG
ETHAN CALDWELL	1931 Pb 36892
	
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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Bridget O Connor		
Dawn Knipe		
Amber Greene		
Ami McElran		041684
Shan Zhu		
Chuhui Zhang		
James McCord		
		-

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ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
JAMES YOUNG	_	NCP6 1707
PRESTON HOWARD	<u>_</u> .	NCPE 10621
Jeffrey McDonous L		
Eli Holland		NCPG2732
Lydia Ross		NCPE 04527
<i>V</i>	<u> </u>	
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ATTENDEES NAME		NORTH CAROLINA
	_	LICENSE NUMBER
James Scott Bullock		1386?
CARIN LEE KROMM		
Qu QI		16 ?
Jan Osbarne	Sha	le Barllo. 17544
Sharm Eday		1877 (?)
David Lilky		
Nancy Dunn Hardi	MY .	State Bar No 31
IN AMAN RANGOLA	~ / \	
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ATTENDEES NAME		NORTH CAROLINA	
JAMES E. SHILLIDAY III	~	LICENSE NUMBER	- ,G
CHARLES A. BERTZ		NC PE 24	412
Hillary Goodell			
Adrline Bock			
Allison Phillips			
			
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ATTENDEES NAME		NORTH CAROLINA
Sean Pepling		LICENSE NUMBER
Peter Pozza		115 & Geolog
MICHAEL J. Brown	<u> </u>	2158 Geolog
Benjamin Whitley		PE 038743
Benjamin Whitley JONATHAN LANGES		11091 broady
		
	·	

KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

Revised 03/04

Reports of courses given are to be forwarded to the No	orth Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminan	ts Conference - Day 1	
Contact Hours 6.0	Date of Course	April 23, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fac	t attend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Parel Warmus	_	± 1357
Chris Schappell	_	# 2332
John Cair		#2075 (6)
Scott Werley		# 2354
Beau Hodge	_	# 1243
Zachary Tidmore	_	# 2611
Michael Jordan	_	# 1930
	_	
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Reports of courses given are to be forwarded to the N	orth Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC	··	
Course Name PFAS and Other Emerging Contamina	nts Conference - Day 1	1
Contact Hours 6.0	Date of Course	April 23, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fa	ct attend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
MATTHEW ZENKER Brett W Cox Cox		027804 PA PG 192
Brett W Cox Cox		PA PG 192
	_	
		
		
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Reports of courses given are to be forwarded to the No	rth Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contaminant	s Conference - Day 1
Contact Hours 6.0	Date of Course April 23, 2019
Instructor's Name Various; See Attached Agenda	· · · · · · · · · · · · · · · · · · ·
I hereby certify that the persons listed below did in fact	attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Benjamin Draper	PG 2313
David Y. Roedy	PG 1963
Benjamin Draper David & Roedy Rachel Kirkman	PG 1811
·	
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Reports of courses given are to be forwarded to the No	orth Carolina Board of	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC	<u>-</u> -	
Course Name PFAS and Other Emerging Contaminan	ts Conference - Day 1	<u> </u>
Contact Hours 6.0	Date of Course	April 23, 2019
instructor's Name Various; See Attached Agenda		
hereby certify that the persons listed below did in fac	t attend this course:	
Sponsor Contact Person Jessica Mills		•
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA
Kim T. Caulk		1559 (Geology)
Kim T. Caulk Jim Grant	- -	GEOLOGY ?
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KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

Reports of courses given are to be forwarded to the Nort	h Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants	Conference - Day 1	
Contact Hours 6.0	Date of Course	April 23, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact a	ttend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Tom NAUMANN, PG (DAY 1)		4505
PETER J. DRESSEL		1244 (PG)
ERK AUFDERHAAN		1526 (PG)
ERK AUFDERHAAN Brandt Kaysen		2483 (PG)

Reports of courses given are to be forwarded to the North	Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		<u></u>
Course Name PFAS and Other Emerging Contaminants C	Conference - Day 1	
Contact Hours 6.0	_ Date of Course	April 23, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact at	tend this course:	
Sponsor Contact Person Jessica Mills Date Report Submitted 04/23/2019		·
ATTENDEES NAME Mick Noland (MARION) Mike Borchers		NORTH CAROLINA LICENSE NUMBER NC 9831 NC 026918

ontact Hours 6.0	Date of Course April 23, 2019
structor's Name Various; See Attached Agenda	
hereby certify that the persons listed below did in fact atten	d this course:
ponsor Contact Person Jessica Milis	
ate Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Leonard Moretz PG 1008 did not	
ign the attendance sheet but has	
peen confirmed to have been present	
for Day 1 John Honla, member the Conference Planning Committee	of
the Conference Planning Committee	e
	0

KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

onsor Contact Person te Report Submitted ATTENDEES NAME ATTENDEES NAME NORTH CAROLINA LICENSE NUMBER Destrict Sign the attendance sheet but The been confirmed to have been	-	ing Contaminants Confere	
ereby certify that the persons listed below did in fact attend this course: onsor Contact Person Jessica Mills 04/23/2019 ATTENDEES NAME NORTH CAROLINALICENSE NUMBER LICENSE NUMBER 125 Sign the attendance sheet but 125 been confirmed to have been			e of Course April 23, 2019
ATTENDEES NAME NORTH CAROLINA LICENSE NUMBER Not sign the attendance sheet but has been confirmed to have been	structor's Name Various; See Attact	ned Agenda	
ATTENDEES NAME NORTH CAROLINA LICENSE NUMBER North CAROLINA LICENSE NUMBER North CAROLINA LICENSE NUMBER North Sign the attendance sheet but has been confirmed to have been	nereby certify that the persons listed	below did in fact attend th	nis course:
ATTENDEES NAME ATTENDEES NAME NORTH CAROLINA LICENSE NUMBER North CAROLINA LICENSE NUMBER North Sign the attendance sheet but has been confirmed to have been	ponsor Contact Person Jessica Mills		
LICENSE NUMBER Justin Ballard, PG 2257 did not sign the attendance sheet but has been confirmed to have been	24/22/22/2		8
LICENSE NUMBER Justin Ballard, PG 2257 did not sign the attendance sheet but has been confirmed to have been		0.500	
Justin Ballard, PG 2257 did	ATTENDEES NAME		NORTH CAROLINA
has been confirmed to have been	Listin Belland PG 225	7 did	LIOLAGE HOMBER
has been confirmed to have been	•		A1
			9
Centerence Planning Committee			ſ. //
Centerence Planning Committee	present for Day 1 y	du Binds member	of the
	Cente	rence Planning Comm.	ittee
		-	
	374		
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Reports of courses given are to be forwarded to the North	Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants C	onference - Day 2	2
Contact Hours 4.5	Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact att	end this course:	
Sponsor Contact Person		
Date Report Submitted 04/23/2019		
ATTENDEES NAME George Crouse Samantha Black		NORTH CAROLINA LICENSE NUMBER 1486 04790U
2		-

Reports of courses given are to be forwarded to the No	rth Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contaminant	
Contact Hours 4.5 6.0 for Geologi	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	
I hereby certify that the persons listed below did in fact	attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
Kirk B. Pollar d	NORTH CAROLINA LICENSE NUMBER LG 1323
William Schmithorst MARK POWERS	LG 1183
MARK POWERS Lisa Nickels	L& 2568
<u> </u>	

Reports of courses given are to be forwarded to the North	Carolina Board of Ex	caminers on a quarterly basis.	
Course Sponsor ACEC of NC	·	·	_
Course Name PFAS and Other Emerging Contaminants C	Conference - Day 2		_
Contact Hours 4.5	_ Date of Course Ap	oril 24, 2019	_
Instructor's Name Various; See Attached Agenda			_
I hereby certify that the persons listed below did in fact at	tend this course:		
Sponsor Contact Person Jessica Mills		· 	
Date Report Submitted 04/23/2019	_	-	•
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER	
Christopher FAY	9	PG 2530	
STEPHEN MARK BROWN	_	LG 1711	-
George Matthew James	_	Ar 2310	-
Laura Robertson & Wist	_	PG 2271	•
Steven R bandy ADDRE		31020 (B	ofh4/23
J. DERRICK BELL		16/62/	44/24
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Reports of courses given are to be forwarded to the Nort	h Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2
Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	
I hereby certify that the persons listed below did in fact a	ttend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA
1	LICENSE NUMBER
MICHAR D. Sharh	1185 Georgy
tonathan brubbs	1691 Geology
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KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

Reports of courses given are to be forwarded to the Nort	h Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		· · · · · · · · · · · · · · · · · · ·
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2	2
Contact Hours 4.5	Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact a	attend this course:	·
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
JAMES FLECHTHER		NCPE 20068
MARK MILLER		NC PG 1715
Bean HODGE		NC PG 1243

KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

Reports of courses given are to be forwarded to the North C	Carolina Board o	f Examiners on a quarterly basis.	
Course Sponsor ACEC of NC			
Course Name PFAS and Other Emerging Contaminants Co	nference - Day 2	2	
Contact Hours 4.5	Date of Course	April 24, 2019	
Instructor's Name Various; See Attached Agenda			
I hereby certify that the persons listed below did in fact atte	end this course:		
Sponsor Contact Person Jessica Mills			
Date Report Submitted 04/23/2019			
ATTENDEES NAME Scott, but		denr. 9 0 V NORTH CAROLINA LICENSE NUMBER	
James Scott Bullock		148	
LIANNE RANDOLPH		WATER RANDOLPHER	VEDENE
CARIN KROMM Carin KROMMA	Dredenr.ai		500
CARIN KROMM Carin. KROMMO	<i>J</i>		
QJ QZ		1633	
Chad Northington enorthington	a regenesis.	com PE	
William Lane PE 3	Ø	20191 (1,5	hrs.)
Nancy Dunn Hardison		NC BAR# 314910	
Jan O Sparave		11 #17544	

Reports of courses given are to be forwarded to the No	th Carolina Board of Exami	ners on a quarterly basis.
Course Sponsor ACEC of NC		· .
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2	
Contact Hours 4.5	Date of Course April 2	4, 2019
Instructor's Name Various; See Attached Agenda	· · · · · · · · · · · · · · · · · · ·	<u></u>
I hereby certify that the persons listed below did in fact	attend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Borrie Ware	F	26 24/04
Richard C. Concession	·	N/A
Autum Romanski	<u></u>	NA
Joe Chiold		PG-1895
RyAn Channell		6-2388
	<u> </u>	

Reports of courses given are to be forwarded to the North	Carolina Board of Examiners on a quarterly bas
ourse Sponsor ACEC of NC	
ourse Name PFAS and Other Emerging Contaminants Co	onference - Day 2
ontact Hours 4.5	Date of Course April 24, 2019
structor's Name Various; See Attached Agenda	<u></u>
nereby certify that the persons listed below did in fact atte	tend this course:
oonsor Contact Person Jessica Mills	
ate Report Submitted 04/23/2019	
no report outsinition	-
ATTENDEES NAME	NORTH CAROLINA
n: 1 0 01 0 1 0 100 100 100 100 100 100 1	LICENSE NUMBER
Nichael J. tor 8:00 - 3 RYAN AMES 10:30 - 3:30	3:30/44 1168
Nichael 9. Josep 8:00 - 3 RYAN AMES 10:30 - 3:30	PE 41702
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Reports of courses given are to be forwarded to the	he North Carolina Board of	Examiners on a quarterly basis
Course Sponsor ACEC of NC	·	
Course Name PFAS and Other Emerging Contam	ninants Conference - Day 1	
Contact Hours 6.0	Date of Course	April 23, 2019
nstructor's Name Various; See Attached Agenda	3	
hereby certify that the persons listed below did i	n fact attend this course:	
Sponsor Contact Person Jessica Mills		•
Date Report Submitted 04/23/2019		
		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
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· · · · · · · · · · · · · · · · · · ·		
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Reports of courses given are to be forwarded to	the North Carolina Board of Examiners on a quarterly basis
ourse Sponsor ACEC of NC	· · · · · · · · · · · · · · · · · · ·
ourse Name PFAS and Other Emerging Conta	aminants Conference - Day 2
ontact Hours 4.5	Date of Course April 24, 2019
structor's Name Various; See Attached Agend	da
nereby certify that the persons listed below did	in fact attend this course:
oonsor Contact Person Jessica Mills	
ate Report Submitted 04/23/2019	
· · · · · · · · · · · · · · · · · · ·	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
PETER J. DRESSEL	1244 (PG)
Tom NAYMANN	4505 (PG)
Brandt Kaysen	2483 (PG)
Allison Phillips	
	
-	
	

Reports of courses given are to be forwarded to the North	Carolina Board of	Examiners on a quarterly basis.
Course Sponsor ACEC of NC	<u></u>	
Course Name PFAS and Other Emerging Contaminants C	Conference - Day 2	
Contact Hours 4.5	_ Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact at	tend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Amic McGlray		041684
Steven B. Eucos		1402
<u> </u>		
 		

Reports of courses given are to be forwarded to the Nor	th Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		<u> </u>
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2	2
Contact Hours 4.5	Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact	attend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	· · · · · · · · · · · · · · · · · · ·
ATTENDEES NAME PRESTON LOWARD Eli Holland TOE Starr Lydia Pass JAMES YOUNG	- - -	NORTH CAROLINA LICENSE NUMBER NCPE 10621 NCPG 2232 NCPE 25854 NCPE 045270 NCPE (707
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Reports of courses given are to be forwarded to the Nortl	h Carolina Board of Examiners on a quarterly basi
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2
Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	
I hereby certify that the persons listed below did in fact a	ittend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Shauha W. Calduell	76 1605
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Reports of courses given	are to be forwarded to the No	orth Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC o	f NC	· .	·
Course Name PFAS and	Other Emerging Contaminan	ts Conference - Day 2	2
Contact Hours 4.5		Date of Course	April 24, 2019
Instructor's Name Variou	s; See Attached Agenda		
I hereby certify that the pe	ersons listed below did in fac	t attend this course:	_
Sponsor Contact Person	Jessica Mills		
,	04/23/2019		
ATTENDI	EES NAME		NORTH CAROLINA LICENSE NUMBER
Amber Gre	une	_	
		_	
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Reports of courses given are to be forwarded to the North	n Carolina Board of	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2	2
Contact Hours 4.5	_ Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact a	ttend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
<u>Crett Engard</u>		PG# 2446
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KEEP THE ORIGINAL OF SIGN-UP SHEETS- SEND COPIES TO BOARD OFFICE.

Reports of courses given are to be forwarded to the	e North Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contami	nants Conference - Day-2
Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	
I hereby certify that the persons listed below did in	fact attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
JAMES A. BENNETT	600-1002
Thomas & Marr	2032
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Reports of courses given are to be forwarded to the North	Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants Co	onference - Day 2	2
Contact Hours 4.5	Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact atte	end this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Bilger Yuncu		PE (NC)
Kirsten Hortdahl		PE-NC
Sarah Walker		PG-NC
		· · · · · · · · · · · · · · · · · · ·
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Reports of courses given are to be forwarded to the Nor	th Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contaminants	Conference - Day 2
Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	
I hereby certify that the persons listed below did in fact	attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Reter S. Bayles	1598 NCBLG 1403 NCBLGI
· · · · · · · · · · · · · · · · · · ·	

Reports of courses given	are to be forwarded to the Nor	th Carolina Board of E	xaminers on a quarterly basis.
Course Sponsor ACEC o	of NC		
Course Name PFAS and	Other Emerging Contaminants	Conference - Day 2	
Contact Hours 4.5		Date of Course _	pril 24, 2019
instructor's Name Variou	us; See Attached Agenda	_	
hereby certify that the po	ersons listed below did in fact	attend this course:	
Sponsor Contact Person	Jessica Mills		
<u>-</u>	04/23/2019		
<u>ATTEND</u>	EES NAME		NORTH CAROLINA LICENSE NUMBER
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Reports of courses given are to be forwarded to the North	Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		· · · · · · · · · · · · · · · · · · ·
Course Name PFAS and Other Emerging Contaminants C	onference - Day 2	2
Contact Hours 4.5	_ Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact att	end this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
JIM SERNE		PE 13517
Lindsey Walata		PG 1014
Lindsey Walata Bonani Langan		PE 034408
ROFUT SHETTY		PE 026230
Helen Corley		PG 1485

Reports of courses given are to be forwarded to the North	Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	· · · · · · · · · · · · · · · · · · ·
Course Name PFAS and Other Emerging Contaminants C	Conference - Day 2
Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	·
I hereby certify that the persons listed below did in fact at	tend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	_
JOEN SMYLL JOHN FERRINGTON	NORTH CAROLINA LICENSE NUMBER PE 19714 RE 1369 PE 45299
	· ·

Reports of courses given are to be forwarded to the North	Carolina Board of	Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants C	Conference - Day 2	
Contact Hours 4.5	_ Date of Course	April 24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact at	tend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
CHARLES A. BERTZ		NC PE 24412
JAMES E. SHILLIDAY		NC LG 158
Adeline Book		

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Reports of courses given are to be forwarded to t	the North Carolina Board of Examiners on a quarterly basis.
Course Sponsor ACEC of NC	
Course Name PFAS and Other Emerging Contan	ninants Conference - Day 2
Contact Hours 4.5	Date of Course April 24, 2019
nstructor's Name Various; See Attached Agend	la
hereby certify that the persons listed below did	in fact attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
William Frazier	NC PG # 2576
Casey Portela	NC PG #2525
200000	
	
	

leports of courses given are to be forwarded to th	e North Carolina Board of Examiners on a quarterly basis
ourse Sponsor ACEC of NC	
ourse Name PFAS and Other Emerging Contami	inants Conference - Day 2
ontact Hours 4.5	Date of Course April 24, 2019
structor's Name Various; See Attached Agenda	
nereby certify that the persons listed below did in	
0.4100.400.40	
ate Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
CHARLES HOFFMAN	2370
<u></u>	
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Reports of courses given are to be forwarded to the North	Carolina Board of Exan	niners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminants Co	onference - Day 2	
Contact Hours 4.5	Date of Course April	24, 2019
Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact att	end this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	•	
ATTENDEES NAME		NORTH CAROLINA
Cal Scharfe	(LICENSE NUMBER 040525
Louistate for Miler	_	
Gallower an Day Z		
- both with waster		
Conpay)		
Cscharte e the wooten a	mpony. am	
	_	

eports of courses given are to be forwarded to the North Car	olina Board of Examiners on a quarterly basis
purse Sponsor ACEC of NC	
ourse Name PFAS and Other Emerging Contaminants Confe	erence - Day 2
ontact Hours 4.5 Do	ate of Course April 24, 2019
structor's Name Various; See Attached Agenda	
ereby certify that the persons listed below did in fact attend	I this course:
ponsor Contact Person Jessica Mills	
ate Report Submitted 04/23/2019	
	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
Evin Stewart ein stewartoaccom.com	2045
Evin Stewart ein stewartoaccom.com MAT ALLED (med-matthew.allen@accom	.com) 2041
	
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Reports of courses given	are to be forwarded to the North	Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of	of NC		,
Course Name PFAS and	Other Emerging Contaminants C	onference - Day 2	2
Contact Hours 4.5		_ Date of Course	April 24, 2019
Instructor's Name Variou	us; See Attached Agenda		
I hereby certify that the pe	ersons listed below did in fact at	end this course:	
Sponsor Contact Person	Jessica Mills		
Date Report Submitted	04/23/2019	_	
ATTEND	EES NAME		NORTH CAROLINA LICENSE NUMBER
Vicki Gar	lington		NC PG License 2563
Jeff Tyb	ourski		NC PG LICENSI 1363
Lisa Zak			(Bar Wo) 5274Z

Reports of courses given are to be forwarded to the No	orth Carolina Board o	f Examiners on a quarterly basis.
Course Sponsor ACEC of NC		
Course Name PFAS and Other Emerging Contaminant	s Conference - Day 2	2
Contact Hours 4.5	Date of Course	April 24, 2019
instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact	t attend this course:	
Sponsor Contact Person Jessica Milis		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Kim T. Caulle Tim GRANT	_	1559 (Geology)
Tim GRANT Bret WC	- ,	? GEOLOGY
	_	110 1829
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Contact Hours 4.5	Date of Course April 24, 2019
Instructor's Name Various; See Attached Agenda	· · · · · · · · · · · · · · · · · · ·
I hereby certify that the persons listed below did in fact a	attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
PETER TOZZO	2158
Sean Pepling (Spepling Cary Ellingworth	ng@pwinc.com)
SAM WATTS	NCLG 1806
	·

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Course Sponsor ACEC of NC	· .	·
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Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
MadelineGerman		2275
MadelineGerman MICK NOLAND (MARION) PE	-	983/
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hereby certify that the persons listed below did in fact attend this course:		
ponsor Contact PersonMills		
ate Report Submitted 04/23/2019		
ATTENDEES NAME	<u>North Carolina</u> License number	
Jason Rides	2505	
FERN PATERSON	34405	
Alex Colpepper	2402	
Shawn Erhard	1897	
Leonard Moretz	/008	
		
		
		

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Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019		
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Shane Chasteen Enc Avfortigar Michael E. Mason Jason R. Catlin		PG # 2315 PG # 1526 PE 11299 PE 037847
	- -	

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Sponsor Contact Person Jessica Mills	
oponsor contact i cison	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA LICENSE NUMBER
	
	
	
	

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Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Benjamin Draper	1	PG 2313
Rately Rachel Kirkman		P61811
Durid Y. Roedy		P61963
DUVID Y. REEDY JUSTIN BALLARD		PG 2257
Christie Zawtocki		PE 27221
	,	
	'	

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Instructor's Name Various; See Attached Agenda		
I hereby certify that the persons listed below did in fact at	tend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	-
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Pan WARMUS		# 1357
Zachary Time		# 26/1 PG
John Lair		#2075 (PG)
Scott Werley		# 2354 PG
Michael Jordan		#1936
Chros Schappell		# 2332

Reports of courses given are to be forwarded to the Norti	h Carolina Board of	Examiners on a quarterly basis.
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I hereby certify that the persons listed below did in fact a	ttend this course:	
Sponsor Contact Person Jessica Mills		
Date Report Submitted 04/23/2019	_	
ATTENDEES NAME		NORTH CAROLINA LICENSE NUMBER
Brian S. Boutin		PG 1268
Bridget O'Connor		
Dawn Knipe		
MATT EINSMANN		025312
Kelly Johnson		2510
Derrick Josey		

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North Carolina Board of Examiners on a quarterly basis
· ·
nts Conference - Day 2
Date of Course April 24, 2019
ct attend this course:
NORTH CAROLINA
<u>LICENSE NUMBER</u>
- NC PG
NC PGI
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I hereby certify that the persons listed below did in fact atte	nd this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME	NORTH CAROLINA
UPT RECISTERED - JPALMER & FANDR	LICENCE MUMBER
JOHN PALMER (FAR)	NC 1994 - LG
Joshua Hanks	
	
	

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I hereby certify that the persons listed below did in fact	attend this course:
Sponsor Contact Person Jessica Mills	
Date Report Submitted 04/23/2019	
ATTENDEES NAME LINDA F. RAYNOR	NORTH CAROLINA LICENSE NUMBER #14/9 NCBL